DNV·GL

NATION RISE WIND FARM

Consultation Report - Appendix E

Agency and Other Stakeholder Consultation Records



South Nation Conservation Authority

Constantin, Gabriel

From: Christy Humphrey <chumphrey@nrsi.on.ca>
Sent: September-07-16 3:17 PM
To: info@nation.on.ca
Subject: Records Review - Township of North Stormont (Nation Rise Wind Project)
Attachments: NRSI_1756_StudyArea_75k_2016_05_06_JAS.pdf

Good Afternoon,

I would greatly appreciate if you would be able to forward this email to the appropriate South Nation CA staff.

NRSI has been retained to conduct a Natural Heritage Assessment (NHA) and Water Body Assessment and Report for the Nation Rise Wind Project. This project, proposed by EDP Renewables, is proposed to consist of up to 50 wind turbines situated in the Township of North Stormont, United Counties of Stormont, Dundas and Glengarry. Attached is a map showing the general study area boundary. In order to prepare the Records Review for the NHA and Water Body Assessment, we would greatly appreciate receiving any of the following information you may have available within the project area:

Terrestrial Data
- Significant Natural Areas (ANSI's, PSW's, ESA's, etc.)
- Significant or Sensitive Species Records
- Hazard Lands
- Groundwater Seepage/Spring Information

Aquatic Data
- Fish/Mussel/Benthic Collection Records/Locations
- Species at Risk and species of Special Concern records
- Other Fisheries Related Information (e.g. known spawning habitat)
- Watercourse Thermal Regimes, Drain Classifications
- Watercourse Flow Regimes

We have also contacted the Ministry of Natural Resources and Forestry (MNRF) Kemptville District, and DFO directly, as well as reviewed several online resources (e.g. NHIC, LIO) for available information.

Please let me know if any further details are required.

Thanks,

Christy Humphrey
--

Christy Humphrey B.E.S.
Terrestrial and Wetland Biologist
Natural Resource Solutions Inc.
1-225 Labrador Drive
Waterloo, ON N2K 4M8
(p) 519-725-2227 (f) 519-725-2575
(m) 519-807-2077
(w) www.nrsi.on.ca (e) chumphrey@nrsi.on.ca

Constantin, Gabriel

From: James C. Holland <jholland@nation.on.ca>
Sent: September-12-16 4:13 PM
To: chumphrey@nrsi.on.ca
Subject: RE: Records Review - Township of North Stormont (Nation Rise Wind Project)

Hi Christy,

Here is my contact information – please feel free to follow up with me directly if there are any questions.

We can provide information on the floodplain hazard and municipal drains with a drain description (thermal regime, flow classification, habitat). I took a quick look, and we don't have OSAP surveys in study site using a study boundary provided by EDP Renewables (Ken Little) , but you may want to confirm the study site for your work.

As mentioned, we do follow a fee schedule and NRSI will need to sign a data license agreement in order to use the data. There would also be a cost for the staff time to conduct the search and prepare the datasets.

You may also want to touch base with EDP Renewables because we're in the process of providing the municipal drain info to them as well.

Cheers,
James

James Holland, MSc, RPP
South Nation Conservation
P. O. Box 29
38 Victoria Street
Finch, ON - K0C 1K0
Tel: 613-984-2948 ext. 227
Fax: 613-984-2872
Toll Free: 1-877-984-2948
jholland@nation.on.ca
www.nation.on.ca

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From: Christy Humphrey [mailto:chumphrey@nrsi.on.ca]
Sent: September-07-16 3:17 PM
To: Info Mailbox
Subject: Records Review - Township of North Stormont (Nation Rise Wind Project)

Good Afternoon,

I would greatly appreciate if you would be able to forward this email to the appropriate South Nation CA staff.

NRSI has been retained to conduct a Natural Heritage Assessment (NHA) and Water Body Assessment and Report for the Nation Rise Wind Project. This project, proposed by EDP Renewables, is proposed to consist of up to 50 wind turbines situated in the Township of North Stormont, United Counties of Stormont, Dundas and Glengarry. Attached is a map showing the general study area boundary. In order to prepare the Records Review for the NHA and Water Body Assessment, we would greatly appreciate receiving any of the following information you may have available within the project area:

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- Watercourse Flow Regimes

We have also contacted the Ministry of Natural Resources and Forestry (MNRF) Kemptville District, and DFO directly, as well as reviewed several online resources (e.g. NHIC, LIO) for available information.

Please let me know if any further details are required.

Thanks,

Christy Humphrey
--

Christy Humphrey B.E.S.
Terrestrial and Wetland Biologist
Natural Resource Solutions Inc.
1-225 Labrador Drive
Waterloo, ON N2K 4M8
(p) 519-725-2227 (f) 519-725-2575
(m) 519-807-2077
(w) www.nrsi.on.ca (e) chumphrey@nrsi.on.ca

Little, Ken

From: Geoff Owens <GOwens@nation.on.ca>
Sent: Tuesday, April 12, 2016 10:51 AM
To: Little, Ken
Cc: Mathieu Leblanc; James C. Holland
Subject: RE: EDP Renewables Meeting: Nation Rise Wind Farm

Hello Ken,

James and I are available to meet on April 19th @ 2:00 p.m. here at the office in Finch. If this works for you please send a meeting request.

Regards,

Geoff

Geoff Owens | Regulations Officer
38 Victoria Street, P. O. Box 29, Finch, ON K0C 1K0
Tel: 613-984-2948 or 1-877-984-2948 ext. 240 | Fax: 613-984-2872
www.nation.on.ca
South Nation Conservation / Conservation de la Nation Sud
Book a Meeting Room | Réservez une salle de réunion

From: Little, Ken [mailto:Ken.Little@edpr.com]
Sent: Tuesday, April 12, 2016 9:58 AM
To: Mathieu Leblanc; James C. Holland; Geoff Owens
Subject: EDP Renewables Meeting: Nation Rise Wind Farm

Mathieu, Geoff and James,

I will be in the area next Tuesday, April 19th, and I was hoping to see if you might have availability for a meeting to discuss our recently contracted wind farm in North Stormont, Nation Rise. It is still very early in the siting and permitting stages of the project, and I want to make sure the SNC is kept up to speed with the developments of the project and actively engaged throughout the MOECC permitting process. Just for reference, the planned construction timeline for this project will be 2019.

I am available most any day over the next week or two for a conference call; however, if you are available next Tuesday I am available most anytime for an in-person meeting. I can provide project area maps and our current constraints; however, we are yet to have developed a full project layout. We do know a few of the major water crossings planned for the project, so we can discuss those areas with a bit more certainty.

Thank you,

Ken Little

Kenneth Little
EDP Renewables Canada Ltd.
Development
110 Spadina Ave, Suite 609
Toronto, ON M5V 2K4
Work 416.502.9463 Cell 416.728.0213 Fax 416.502.1706
www.edpr.com
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Little, Ken

Subject: EDP Renewables Meeting: Nation Rise Wind Farm
Location: SNC Finch Office - Dial-in: [redacted]

Start: Tue 4/19/2016 2:00 PM
End: Tue 4/19/2016 2:30 PM

Recurrence: (none)

Meeting Status: Meeting organizer

Organizer: Little, Ken
Required Attendees: Geoff Owens; Nathan Roscoe - EDP Renewables Canada Ltd. (nathan.roscoe@edpr.com); Loturco, Tom
Optional Attendees: Mathieu Leblanc; James C. Holland

All,

Please hold this time for a meeting to discuss the Nation Rise project area and schedule. Further documentation will be provided prior to the meeting next week.

[redacted]

Kenneth Little
EDP Renewables Canada Ltd.
Development
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Toronto, ON M5V 2K4
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Ministry of the Environment and Climate Change

Constantin, Gabriel

From: Constantin, Gabriel
Sent: August-09-16 11:42 AM
To: 'sarah.paul@ontario.ca'; De Grandis, Giselle (MOECC) <Giselle.DeGrandis@ontario.ca> (Giselle.DeGrandis@ontario.ca)
Cc: Roberge, Michaël; Little, Ken; Roscoe, Nathan (Nathan.Roscoe@edpr.com); Pinger, Andrew (Andrew.Pinger@edpr.com)
Subject: Nation Rise Draft PDR
Attachments: 10021027-CAMO-R-01-A Nation Rise Draft PDR 09082016.pdf

Good morning Giselle and Sarah,

Please find attached a copy of the Draft Project Description Report prepared for the Nation Rise Wind Farm located in the Township of North Stormont, Ontario. The attached has been prepared and submitted so that the Ministry can identify the Aboriginal communities that must be consulted for the Project.

Please do not hesitate to contact myself or Ken Little with any questions or points of clarification.

We look forward hearing from you.

Best regards,

Gab

for GL Garrad Hassan Canada Inc.

Gabriel Constantin, M. Sc.
Team Leader, Environmental and Permitting Services
DNV GL - Energy

E-mail gabriel.constantin@dnvgl.com
Mobile +1 416 320-4636
www.dnvgl.com | LinkedIn



DNV and GL have merged to form DNV GL - Read more here: www.dnvgl.com/merger

Little, Ken

Subject: Nation Rise Wind Farm pre-submission meeting
Location: 4th floor board room, 135 St. Clair Ave. W., Toronto

Start: Wed 9/14/2016 2:00 PM
End: Wed 9/14/2016 3:00 PM

Recurrence: (none)

Meeting Status: Accepted

Organizer: De Grandis, Giselle (MOECC)

Pre-submission meeting request form for the Nation Rise Wind Farm:

Hi Gab,

As discussed, we're scheduling the Nation Rise Wind Farm pre-submission meeting for Wednesday, September 14, 2-3pm.

If you are attending person, please check-in with the security desk on the ground floor, and we will come escort you to the boardroom on the 4th floor.
135 St. Clair Ave. West, Toronto, ON

If you are calling in, the number is as follows:
Toll-free dial-in number: 1 866-602-5461
Local dial-in number: 416-212-8011
Conference ID: 8761064

Draft Agenda:

- Introductions
- Project overview
- Nation Rise Wind Farm, 100 MW, located in the Municipality of North Stormont
- Current progress and estimated project schedule
- MOECC overview of REA process and roles
- Noise-related questions

Thanks,
Giselle

Giselle De Grandis | Senior Program Support Coordinator
Environmental Approvals Access and Service Integration Branch | Ministry of the Environment and Climate Change
135 St. Clair Ave W, 1st Floor, Toronto, ON M4V 1P5 | Email: giselle.degrandis@ontario.ca | Tel: 416-314-8442

Little, Ken

Subject: Meeting with EDP Renewables
Location: 4th floor board room, 135 St. Clair Ave. W., Toronto

Start: Thu 10/13/2016 3:00 PM
End: Thu 10/13/2016 4:00 PM

Recurrence: (none)

Meeting Status: Accepted

Organizer: De Grandis, Giselle (MOECC)

Hi Ken,

As discussed, we're scheduling a meeting for Thursday, October 13, 3-4 p.m.

If you are attending person, please check-in with the security desk on the ground floor, and we will come escort you to the boardroom on the 4th floor.

135 St. Clair Ave. West, Toronto, ON

If you are calling in, the number is as follows:
Toll-free dial-in number: 1 866-602-5461
Local dial-in number: 416-212-8011
Conference ID: 8761064

Draft Agenda:

- Introductions
- EDP Renewables and permitting team
- MOECC's REA application review process for wind projects

Thanks,
Giselle

Giselle De Grandis | Senior Program Support Coordinator – Service Integration
EAASIB, MOECC | Email: giselle.degrandis@ontario.ca | Tel: 416-314-8442

Little, Ken

Subject: MOECC-EDP meeting to discuss equipment specification proposal
Location: 7th floor boardroom, 135 St. Clair Ave. West, Toronto

Start: Fri 11/18/2016 1:00 PM
End: Fri 11/18/2016 2:00 PM

Recurrence: (none)

Meeting Status: Accepted

Organizer: De Grandis, Giselle (MOECC)

Hi Tom,
We're scheduling a meeting for Friday, November 18, 1-2 p.m. to discuss EDP's proposal (below) for the Nation Rise Wind Farm, as it relates to proposed changes to the Technical Guide to REA (9.3.1 Equipment Specification in Noise Studies for Wind Facilities).
If you are attending in person, please check-in with the security desk on the ground floor, and we will come escort you to the boardroom on the 7th floor.
135 St. Clair Ave. West, Toronto, ON
If you are calling in, the number is as follows:
Toll-free dial-in number: 1 866-602-5461
Local dial-in number: 416-212-8011
Conference ID: 8761064
Thanks,
Giselle
Giselle De Grandis | Senior Program Support Coordinator – Service Integration

EAASIB, MOECC | Email: giselle.degrandis@ontario.ca | Tel: 416-314-8442

Little, Ken

Subject:	Tom L. / Ken L. / Nathan R. (EDP Renewables Canada Ltd.) / Mansoor / Mohsen / Narren for Gemma / Mahdi (MOECC) re: Nation Rise Project in Eastern Ontario
Location:	135 St. Clair Avenue West, 4th Floor Boardroom / Teleconference #: 416-212-8013 (local), 1-866-633-1033 (long distance), 7583273 (pass code), 3696 (moderator – MANSOOR)
Start:	Thu 4/13/2017 10:00 AM
End:	Thu 4/13/2017 10:30 AM
Recurrence:	(none)
Meeting Status:	Accepted
Organizer:	Mahmood, Mansoor (MOECC)

Updated with Agenda/Materials:

135 St. Clair Avenue West, 4th Floor Boardroom / Teleconference #: 416-212-8013 (local), 1-866-633-1033 (long distance), 7583273 (pass code), 3696 (moderator – MANSOOR)

Attendees:
Tom LoTurco, Director of Development
Ken Little, Sr. Project Mgr.
Nathan Roscoe, Project Mgr.

Mansoor Mahmood, Acting Director, Environmental Approvals Branch (EAB), MOECC
Mohsen Keyvani, Supervisor, EAB. MOECC
Mahdi Zangeneh, Senior Noise Engineer, EAB, MOECC
Narren Santos, Senior Program Coordinator, Environmental Approvals Access and Service Integration Branch (EAASIB), Service Integration, MOECC

Note to attendees, please sign in with front desk security before proceeding to the 4th Floor Boardroom

Little, Ken

From: Loturco, Tom <Tom.LoTurco@edpr.com>
Sent: Wednesday, April 12, 2017 9:32 AM
To: Van, Kieu (MOECC)
Cc: Little, Ken; Roscoe, Nathan
Subject: RE: Meeting today
Attachments: Nation Rise_MOECC_Intro_041017.pdf

Kieu,

Please see the attached short presentation that we will go through tomorrow.

For a proposed agenda I suggest the following:

1. Introductions
2. EDPR Presentation on Nation Rise
3. Discussions on submission and review timescales
4. Brief discussion on Nation Rise acoustical equivalency strategy

Will there be a phone line available in the room? We will have two team members calling in – we can circulate a dial-in if you like.

Thanks,
Tom

From: Van, Kieu (MOECC) [mailto:Kieu.Van@ontario.ca]
Sent: Wednesday, April 12, 2017 9:19 AM
To: Loturco, Tom <Tom.LoTurco@edpr.com>
Cc: Little, Ken <Ken.Little@edpr.com>; Roscoe, Nathan <Nathan.Roscoe@edpr.com>
Subject: RE: Meeting today

Morning Tom

Do you have your agenda / materials?

Thank you,

Kieu Van | **Director's Office** | **Environmental Approvals Branch** | **Ministry of the Environment and Climate Change** | **135 St. Clair Avenue West, 1st Floor, Toronto, ON M4V 1P5** | ☎: **416-314-7040** | ✉: **kieu.van@ontario.ca**

From: Loturco, Tom [mailto:Tom.LoTurco@edpr.com]
Sent: April 10, 2017 12:49 PM
To: Van, Kieu (MOECC)
Cc: Little, Ken; Roscoe, Nathan
Subject: Re: Meeting today

Kieu,

Thank you for the quick reply. We can join at your office at 10 am on the 13th of April.

It will be:
•Tom LoTurco, Director of Development
•Ken Little, Sr. Project Mgr.
•Nathan Roscoe, Project Mgr.

We will send a short introductory presentation and agenda to you tomorrow.

Thanks!

Tom

Tom LoTurco
EDP Renewables Canada
110 Spadina Avenue Suite 609
Toronto, ON M5V 2K4
M: (416) 804-6407
O: (416) 502-9463

On Apr 10, 2017, at 12:29 PM, Van, Kieu (MOECC) <Kieu.Van@ontario.ca> wrote:

> Good afternoon Tom
>
> Will this be by phone or in person? Please advise who will be joining you and please send me an agenda/materials if any. I was thinking of this Thursday, April 13 at 10:00 am to 10:30 am.
>
> Thank you,
>
> **Kieu Van** | **Director's Office** | **Environmental Approvals Branch** | **Ministry of the Environment and Climate Change** | **135 St. Clair Avenue West, 1st Floor, Toronto, ON M4V 1P5** | ☎: **416-314-7040** | ✉: **kieu.van@ontario.ca**
>
> ---
>
> **From:** Keyvani, Mohsen (MOECC)
> **Sent:** April 10, 2017 12:27 PM
> **To:** Loturco, Tom
> **Cc:** Little, Ken; Roscoe, Nathan; Mahmood, Mansoor (MOECC); Van, Kieu (MOECC)
> **Subject:** RE: Meeting today
>
> Hi Tom,
>
> Pleasure meeting with you today.
>
> Ms. Kieu Van of Mansoor's office will reach you to set up the meeting.
>
> Regards…Mohsen
>
> Mohsen Keyvani.│Supervisor – Team 5 (Renewable Energy) │Environmental Approvals Branch│Ministry of the Environment and Climate Change
> 135 St. Clair Avenue West, 1st Floor, Toronto, ON M4V 1P5│Tel: 416-326-6095│Fax: 416-314-8452│Toll Free: 1 800 461-6290│Email: mohsen.keyvani@ontario.ca

From: Loturco, Tom [mailto:Tom.LoTurco@edpr.com]
Sent: April-10-17 11:33 AM
To: Mahmood, Mansoor (MOECC); Keyvani, Mohsen (MOECC)
Cc: Little, Ken; Roscoe, Nathan
Subject: Meeting today

Mansoor and Mohsen,

It was very helpful to meet you today. Thanks for taking the time with the CanWEA delegation. As a follow-up, I wanted to give you a bit of information about our Nation Rise project in eastern Ontario and to see if we could schedule a quick introductory session with you in order to share more details about the project and the timing of the REA process.

Our engagement with MOECC to date has been excellent. For example, we have had multiple conversations with your staff on noise modelling, which have shaped our strategy.

Would you have any time to spend 30 minutes over the next week to discuss the project and our timescales to submission? We are generally open for the rest of this week and Monday of next week.

Many thanks,
Tom

Tom LoTurco
EDP Renewables Canada Ltd.
Director of Development
110 Spadina Avenue, Suite 609, Toronto, ON M5V 2K4
Direct 416.502.9463 Cell 416.804.6407 Fax 416.502.1706
www.edpr.com

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Little, Ken

Subject: Nation Rise Wind Farm - REA Pre-submission meeting
Location: 135 St. Clair Avenue West, Toronto - 4th floor boardroom

Start: Fri 6/23/2017 11:00 AM
End: Fri 6/23/2017 12:00 PM

Recurrence: (none)

Meeting Status: Accepted

Organizer: Santos, Narren (MOECC)

Good morning: Please advise on your availability to meet on Friday June 23rd at 11 am to discuss the Nation Rise Wind Farm. The agenda will follow leading up to the meeting. If you have any questions, please let me know.

Thanks,
Narren

Narren Santos | Senior Program Support Coordinator - Service Integration| EAASIB | Ministry of the Environment and Climate Change|135 St. Clair Avenue West, 1st Floor| Toronto ON | T:416-314-8442

Ministry of Natural Resources and Forestry

Ministry of
Natural Resources
Regional Resources Section
Southern Region
300 Water Street
4th Floor, South Tower
Peterborough, ON K9J 8M5

Ministère des
Richesses naturelles

Ontario

July 11, 2017

Nation Rise Wind Farm Limited Partnership
110 Spadina Ave, Suite 609
Toronto, ON
M5V 2K4

RE: NHA Confirmation for Nation Rise Wind Farm

Dear Kenneth Little:

In accordance with the Ministry of the Environment and Climate Change's (MOECC's) Renewable Energy Approvals (REA) Regulation (O.Reg.359/09), the Ministry of Natural Resources and Forestry (MNRF) has reviewed the natural heritage assessment (NHA) and environmental impact study (EIS) for the Nation Rise Wind Farm located in the Township of North Stormont and the United Counties of Stormont, Dundas and Glengarry, the final version of which was submitted by Nation Rise Wind Farm Limited Partnership on July 11, 2017.

In accordance with Section 28(2) and 38(2)(b) of the REA regulation, MNRF provides the following confirmations following review of the NHA and EIS:

1. The MNRF confirms that the determination of the existence of natural features and the boundaries of natural features was made using applicable evaluation criteria or procedures established or accepted by MNRF.
2. The MNRF confirms that the site investigation and records review were conducted using applicable evaluation criteria, or procedures established or accepted by MNRF if no natural features were identified.
3. The MNRF confirms that the evaluation of the significance or provincial significance of the natural features was conducted using applicable evaluation criteria or procedures established or accepted by MNRF.
4. The MNRF confirms that the project location is not in a provincial park or conservation reserve.
5. The MNRF confirms that the environmental impact assessment report has been prepared in accordance with procedures established by the MNRF.

In accordance with Section 28(3)(c) and 38(2)(c), MNRF also offers the following comments in respect of the project:

Pre-construction Monitoring

In accordance with Appendix D of the Natural Heritage Assessment Guide, a commitment has been made to complete pre-construction assessments of habitat use for the following candidate significant wildlife habitats:

- Bat Maternity Colony (features BMA-001, 003)
- Turtle Wintering Area (features TWA-001)
- Alvar Habitat (features ALV-001, 002)
- Savannah Habitat (feature SAV-001)
- Tallgrass Prairie Habitat (features TGP-001, 002)
- Amphibian Woodland Breeding Habitat (features AWO-001, 004, 006, 007, 008, 010, 011, 012, 013, 014, 015, 016, 017, 019, 020, 022, 023, 024)
- Open Country Bird Breeding Habitat (feature OCB-001)
- Common Nighthawk Habitat (features CONI-001, 002, 003, 004, 005, 006, 007, 008, 009)
- Eastern Wood Peewee Habitat (features EAWP-001, 002, 003, 004, 005, 006, 007, 008, 009, 010, 011, 013, 014, 015, 016, 017, 018)
- Wood Thrush Habitat (features WOTH-001, 002, 004, 005)
- Mühlenberg's Weissia Habitat (features MUWE-001, 002, 003, 004, 005, 007, 009, 010)
- Monarch Butterfly Habitat (features MONA-001,002, 003, 004, 005, 006)

MNRF has reviewed and confirmed the assessment methods and the range of mitigation options. Pending completion of the assessments and determination of significance, the appropriate mitigation is expected to be implemented, as committed to in the EIS.

Post-construction Monitoring

A commitment has been made in the NHA and EIS to conduct post-construction monitoring, and if determined necessary, implement mitigation measures. For the Nation Rise Wind Farm this includes the following features if they are deemed significant following results of pre-construction monitoring requirements listed above:

- Bat Maternity Colony (features BMA-001, 003)
- Turtle Wintering Area (features TWA-001)
- Alvar Habitat (features ALV-001, 002)
- Savannah Habitat (feature SAV-001)
- Tallgrass Prairie Habitat (features TGP-001, 002)
- Amphibian Woodland Breeding Habitat (features AWO-001, 004, 006, 007, 008, 010, 011, 012, 013, 014, 015, 016, 017, 019, 020, 022, 023, 024)
- Open Country Bird Breeding Habitat (feature OCB-001)
- Common Nighthawk Habitat (features CONI-001, 002, 003, 004, 005, 006, 007, 008, 009)
- Eastern Wood Peewee Habitat (features EAWP-001, 002, 003, 004, 005, 006, 007, 008, 009, 010, 011, 013, 014, 015, 016, 017, 018)
- Wood Thrush Habitat (features WOTH-001, 002, 004, 005)
- Mühlenberg's Weissia Habitat (features MUWE-001, 002, 003, 004, 005, 007, 009, 010)
- Monarch Butterfly Habitat (features MONA-001,002, 003, 004, 005, 006)

In addition, the following confirmed significant wildlife habitats will receive post-construction monitoring, and mitigation outlined in the NHA and EIS will be applied:

- Waterfowl Stopover and Staging Area – Aquatic Habitat (feature WSA-001)
- Amphibian Woodland Breeding Habitat (feature AWO-018)

In addition to the NHA, an Environmental Effects Monitoring Plans (EEMP) that address post-construction monitoring and mitigation for birds and bats must be prepared and implemented. EEMPs for birds and bats must be prepared in accordance with MNRF Guidelines and should be reviewed by MNRF in advance of submitting a REA application to MOECC to minimize potential delays in determining if the application is complete. Comments provided by MNRF with respect to the EEMP must be submitted as part of the application for a REA.

This confirmation letter is valid for the project as proposed in the NHA and EIS. Should any changes be made to the proposed project that would alter the NHA or EIS, MNRF may need to undertake additional review of the NHA and EIS.

Where specific commitments have been made by the applicant in the NHA and EIS with respect to project design, construction, rehabilitation, operation, mitigation, or monitoring, MNRF expects that these commitments will be considered in MOECC's Renewable Energy Approval decision and, if approved, be implemented by the applicant.

In accordance with S.12 (1) of the Renewable Energy Approvals Regulation, this letter must be included as part of your application submitted to the MOECC for a Renewable Energy Approval.

Please be aware that your project may be subject to additional legislative approvals as outlined in the Ministry of Natural Resources' *Approvals and Permitting Requirements Document*. These approvals are required prior to the construction of your renewable energy facility.

If you wish to discuss any part of this confirmation or additional comments provided, please contact Mike Poskin, A/Renewable Energy Coordinator, at 705-755-1362.

Sincerely,

Erin Cotnam
Land Use Planning Supervisor
Regional Operations Division
Ministry of Natural Resources and Forestry

cc. Dan Thompson, District Manager, MNR Kemptville District
cc. Mike Poskin, A/Renewable Energy Coordinator, MNRF
cc. Amy Cameron, Regional Planning Ecologist, MNRF
cc. Korey Walker, Regional Planner, MNRF
cc. Mohsen Keyvani, MOECC
cc. Nick Colella, MOECC
cc. Zeljko Romic, MOECC

Ministry of
Natural Resources
Regional Resources Section
Southern Region
300 Water Street
4th Floor, South Tower
Peterborough, ON K9J 8M5

Ministère des
Richesses naturelles

Ontario

July 13, 2017

Nation Rise Wind Farm Limited Partnership
110 Spadina Ave, Suite 609
Toronto, ON
M5V 2K4

RE: Natural Heritage Section of the EEMP for Nation Rise Wind Farm

Dear Kenneth Little:

Ministry of Natural Resources and Forestry (MNRF) has reviewed the Natural Heritage section of the Environmental Effects Monitoring Plan (EEMP) for the Nation Rise Wind Farm located in the Township of North Stormont and the United Counties of Stormont, Dundas and Glengarry, the final version of which was submitted by Nation Rise Wind Farm Limited Partnership on July 12, 2017.

This letter confirms that the EEMP was prepared in respect of birds and bats in accordance with MNRF's:

- *Bird and Bird Habitats: Guidelines for Wind Power Projects (2011),* and
- *Bat and Bat Habitats: Guidelines for Wind Power Projects (2011).*

Post-construction bird and bat mortality monitoring for the Nation Rise Wind Farm will be conducted at a minimum of 10 turbines, including T46, if this turbine is built. The post-construction monitoring requirements, as outlined in the NHA Confirmation letter issued July 11, 2017, will also be implemented.

MNRF expects the information contained in the natural heritage section of the EEMP to be considered in MOECC's Renewable Energy Approval decision, and if approved, be implemented by the applicant.

If you wish to discuss any part of this letter please contact Mike Poskin, A/Renewable Energy Coordinator, at 705-755-1362.

Sincerely,

Renée Bowler
Manager, Regional Resources Section
Southern Region
Ministry of Natural Resources and Forestry

cc. Dan Thompson, District Manager, MNR Kemptville District
cc. Mike Poskin, A/Renewable Energy Coordinator, MNRF
cc. Amy Cameron, Regional Planning Ecologist, MNRF
cc. Korey Walker, Regional Planner, MNRF
cc. Mohsen Keyvani, MOECC
cc. Nick Colella, MOECC
cc. Zeljko Romic, MOECC

Little, Ken

From: Little, Ken
Sent: Thursday, June 16, 2016 10:41 AM
To: Beal, Jim (MNRF)
Cc: Valliant, Emma (MNRF)
Subject: RE: EDP Renewables: Nation Rise Wind Farm - LRP I Project Introduction
Attachments: 800916-CAMO-T-01-C+Nation+Rise+Site+Considerations-Final-150826.pdf

Attachment 2 of 2.

This is the Site Considerations Review that was completed for the LRP II process.

Kenneth Little
EDP Renewables Canada Ltd.
Development
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Toronto, ON M5V 2K4
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www.edpr.com
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From: Little, Ken
Sent: Thursday, June 16, 2016 10:38 AM
To: 'Beal, Jim (MNRF)' <jim.beal@ontario.ca>
Cc: 'Valliant, Emma (MNRF)' <Emma.Valliant@ontario.ca>
Subject: RE: EDP Renewables: Nation Rise Wind Farm - LRP I Project Introduction

Attachment 1 of 2.

This is a brief introduction that we will go through today related to our company and project.

Kenneth Little
EDP Renewables Canada Ltd.
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From: Little, Ken
Sent: Thursday, June 16, 2016 10:37 AM
To: 'Beal, Jim (MNRF)' <jim.beal@ontario.ca>
Cc: Valliant, Emma (MNRF) <Emma.Valliant@ontario.ca>
Subject: RE: EDP Renewables: Nation Rise Wind Farm - LRP I Project Introduction

Jim,

I have added the original message below from the e-mail that was caught. I will send a second e-mail with attachments.

Jim,

I apologize for the late distribution of an agenda for today's meeting. I have attached a PowerPoint we will use just for a brief introduction on our company and the Nation Rise Wind Farm near Crysler, ON. I have also attached the Site Considerations report that was produced as part of the Large Renewable Procurement (LRP) bid package. We will bring along more detailed maps to discuss regarding the project at this afternoon's meeting.

Thank you,
Ken

Proposed Agenda:

- Team Introductions
- Nation Rise Discussion
  - General Project and Company Overview (Attached Slide Deck)
    - EDPR Corporate Introduction
    - Site Location and Features
    - Anticipated Project Schedule
  - Map Review and Site Considerations
    - Discuss Setback Maps in Site Considerations report (Attached)
    - Discuss basic findings from Site Investigations
- Anticipated MNRF Review Process
  - How has the review process changed since the South Branch Wind Farm (2013)?
  - Who is likely to lead the work? Key contacts?
  - Regional office involvement on review and SAR?
    - Previous SAR involvement from Kemptville office

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From: Beal, Jim (MNRF) [mailto:jim.beal@ontario.ca]
Sent: Thursday, June 16, 2016 10:34 AM
To: Little, Ken <Ken.Little@edpr.com>
Subject: RE: EDP Renewables: Nation Rise Wind Farm - LRP I Project Introduction

Hi Ken

Your latest email was captured by our anti – virus program…

Can you please send again?

Thanks

JB
705-755-1362

From: Little, Ken [mailto:Ken.Little@edpr.com]
Sent: June-09-16 9:36 AM
To: Beal, Jim (MNRF)
Cc: Valliant, Emma (MNRF)
Subject: RE: EDP Renewables: Nation Rise Wind Farm - LRP I Project Introduction

Jim,

2pm on the 16th works great for us. I will make sure to send through basic project information prior to our meeting next week.

Thank you,
Ken

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From: Beal, Jim (MNRF) [mailto:jim.beal@ontario.ca]
Sent: Tuesday, June 07, 2016 11:34 AM
To: Little, Ken <Ken.Little@edpr.com>
Cc: Valliant, Emma (MNRF) <Emma.Valliant@ontario.ca>
Subject: RE: EDP Renewables: Nation Rise Wind Farm - LRP I Project Introduction

Hi Ken;

We are available after 13:00 on the 16th.

How about 14:00?

JB

From: Little, Ken [mailto:Ken.Little@edpr.com]
Sent: June-07-16 11:10 AM
To: Beal, Jim (MNRF)
Subject: RE: EDP Renewables: Nation Rise Wind Farm - LRP I Project Introduction

Jim,

I apologize for the delay in response. Would you be available on June 16th for a meeting in Peterborough? If so, please let me know what time would work as well.

We will work this week to provide preliminary information on the site giving the project area and potential corridors/area for infrastructure. I will provide an agenda this week in regards to things we would like to discuss and I will have a little more information to provide as we are starting to wrap-up our site investigation work with our consultants this week and next.

Thank you,
Ken

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From: Beal, Jim (MNRF) [mailto:jim.beal@ontario.ca]
Sent: Tuesday, May 31, 2016 2:09 PM
To: Little, Ken <Ken.Little@edpr.com>
Subject: RE: EDP Renewables: Nation Rise Wind Farm - LRP I Project Introduction

Hi Ken

The June 14 – 17 dates look the best for me..

If you wouldn't mind sending me a preliminary drawing, that would be appreciated.

Also, if you could send a draft agenda, I can see who I may need with me.. (the days of having a 'team' are long gone!).

JB
705-755-1362

From: Little, Ken [mailto:Ken.Little@edpr.com]
Sent: May-31-16 1:31 PM
To: Beal, Jim (MNRF)
Cc: Pinger, Andrew; Roberge, Michaël; Roscoe, Nathan; Constantin, Gabriel; Halloran, Joe (MNRF)
Subject: EDP Renewables: Nation Rise Wind Farm - LRP I Project Introduction

Jim,

Further to my earlier voicemail today, I wanted to reach out for an introductory meeting to discuss our LRP I selected wind project, the 100 MW Nation Rise Wind Farm located near Crysler, ON (50 km SE of Ottawa.) We are in the early stages of preparing permit documentation and site investigation studies this spring and believe it would be an ideal time to re-introduce ourselves and to speak more specifically to our new wind project. Please let me know if you and/or your team would have availability to meet during the timeframes we have availability below. We would be bringing 3-4 individuals, presumably to your office in Peterborough.

If I should be following up with someone on your team directly for this project, please let me know as well. Feel free to reach out to me at my cell phone number below if you have any further questions.

EDPR Availability

- June 14-17
- June 20-24
- July 11-15

Thank you,
Ken Little

Kenneth Little
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Little, Ken

From: Little, Ken
Sent: Thursday, May 18, 2017 10:34 AM
To: 'Poskin, Mike (MNRF)'
Cc: 'Andrew Ryckman'; Roscoe, Nathan; 'Constantin, Gabriel'; 'Wheeldon, Aileen (MNRF)'; 'Walker, Korey (MNRF)'; Pinger, Andrew
Subject: RE: EDP Renewables Introduction - Nation Rise Wind Farm
Attachments: Nation Rise_MNRF_Intro_051817.pdf

Mike,

Please find below a brief proposed agenda for today's meeting. I will be bring copies of the attached slide deck as well to talk to today. Please feel free to add or revise as you see fit.

Look forward to meeting everyone this afternoon.

Thank you,
Ken

Proposed Agenda
Nation Rise Wind Farm (EDP Renewables Canada Ltd.)

- Team Introductions
- EDPR Canada and Nation Rise Wind Farm Overview [EDPR]
- Nation Rise Project Schedule [EDPR]
- NHA Submission and MNRF Comment Discussion [NRSI]
- Next Steps and Anticipated Schedule
    - Schedule/Discuss a site tour?
    - MNRF – Kemptville awaiting to schedule South Branch and Nation Rise visit

---

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From: Little, Ken
Sent: Thursday, May 11, 2017 11:19 AM

To: 'Poskin, Mike (MNRF)' <Mike.Poskin@ontario.ca>
Cc: Andrew Ryckman <aryckman@nrsi.on.ca>; Roscoe, Nathan <Nathan.Roscoe@edpr.com>; 'Constantin, Gabriel' <gabriel.constantin@dnvgl.com>; Wheeldon, Aileen (MNRF) <Aileen.Wheeldon@ontario.ca>; Walker, Korey (MNRF) <Korey.Walker@ontario.ca>; Pinger, Andrew <Andrew.Pinger@edpr.com>
Subject: RE: EDP Renewables Introduction - Nation Rise Wind Farm

Mike,

We submitted our responses to the NHA comments yesterday and plan on having all revised documents/reports in this week. We will be in the area with our environmental lead for the project, Andrew Pinger, and we would really like to have an introductory meeting Thursday or Friday next week. I think this would be a great opportunity to meet, as well as to talk through the project and next steps on the NHA progress.

Please let me know ASAP when you might be available Thursday/Friday next week.

Thank you,
Ken

P.S. I am traveling this week so please reach me on my cell number below or e-mail.

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From: Poskin, Mike (MNRF) [mailto:Mike.Poskin@ontario.ca]
Sent: Tuesday, April 18, 2017 9:06 AM
To: Little, Ken <Ken.Little@edpr.com>
Cc: Andrew Ryckman <aryckman@nrsi.on.ca>; Roscoe, Nathan <Nathan.Roscoe@edpr.com>; 'Constantin, Gabriel' <gabriel.constantin@dnvgl.com>; Wheeldon, Aileen (MNRF) <Aileen.Wheeldon@ontario.ca>; Walker, Korey (MNRF) <Korey.Walker@ontario.ca>
Subject: RE: EDP Renewables Introduction - Nation Rise Wind Farm

Hi Ken,

We did receive the submission and are currently reviewing the submission. We like to take the time to do our review before having a discussion (if necessary) regarding the project. We typically do our review of the Records Review and Site Investigation sections of the NHA and provide any comments as early as possible. We understand the time and scale of the project and will work with NRSI to convey comments or questions when necessary.

From our perspective at this point in our review, we don't see a meeting being necessary. We will get back to you within the next week or so (further into the review) and set up a meeting if necessary.

If you have concerns or questions please give me a call and we can discuss further.

Thanks.
Mike

Mike Poskin
A/Renewable Energy Coordinator
Regional Resources Section | Southern Region
Ministry of Natural Resources and Forestry
T: 705-755-1362

From: Little, Ken [mailto:Ken.Little@edpr.com]
Sent: April-17-17 11:37 AM
To: Poskin, Mike (MNRF); Valliant, Emma (MNRF)
Cc: Andrew Ryckman; Roscoe, Nathan; 'Constantin, Gabriel'
Subject: RE: EDP Renewables Introduction - Nation Rise Wind Farm

Mike and Emma,

I wanted to touch base and confirm you have received our NHA submission on April 6th through NRSI for the Nation Rise project. Per our previous discussions, I wanted to see if we could have a follow-up meeting this week or next. This would serve partially as an introduction to our teams, but also an opportunity to discuss the NHA submission and next steps.

I will have limited availability this Thursday or Friday; however, am open for a meeting earlier this week or anytime next week. As discussed, our team is more than happy to meet in Peterborough if your team is available.

Thank you,
Ken

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From: Little, Ken
Sent: Tuesday, March 28, 2017 3:13 PM
To: 'mike.poskin@ontario.ca' <mike.poskin@ontario.ca>
Cc: 'emma.valliant@ontario.ca' <emma.valliant@ontario.ca>; 'Andrew Ryckman' <aryckman@nrsi.on.ca>; Nathan Roscoe - EDP Renewables Canada Ltd. (nathan.roscoe@edpr.com) <nathan.roscoe@edpr.com>; 'Constantin, Gabriel'

<gabriel.constantin@dnvgl.com>
Subject: EDP Renewables Introduction - Nation Rise Wind Farm

Mike,

I wanted to reach out and introduce myself. I am the Project Manager with EDPR for the Nation Rise Wind Farm. The Nation Rise Wind Farm is a 100 MW project from the LRP I contracts, located in the Kemptville MNRF District in the western portion of North Stormont Township. Our team had met with Jim Beal and Emma in Peterborough last summer to introduce the project and expected schedule. We are just now finishing our NHA reports for submission to the MNRF and hope to do so in the next week or so.

Is it possible to have a meeting to re-introduce ourselves shortly after submission to yourself and the review team? We are always free to come to Peterborough to meet and we believe it would be a great time to provide an update on the project as well as to discuss the contents of the NHA reports being submitted for review.

Thank you,
Ken

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Little, Ken

From: Boos, John (MNRF) <john.boos@ontario.ca>
Sent: Friday, April 07, 2017 4:30 PM
To: Little, Ken; Ferland, Dom (MNRF)
Cc: Roscoe, Nathan; Andrew Ryckman; Christy Humphrey; Pinger, Andrew; Loturco, Tom
Subject: RE: EDPR Renewables - Nation Rise Wind Farm - Introductory Meeting Agenda

Ken,

Your contact when you get to the office is Dom Ferland, go to the Service Ontario entrance and use the phone, his line is 258-8548.

John

From: Little, Ken [mailto:Ken.Little@edpr.com]
Sent: April-07-17 4:13 PM
To: Boos, John (MNRF)
Cc: Roscoe, Nathan; Andrew Ryckman; Christy Humphrey; Pinger, Andrew; Loturco, Tom
Subject: RE: EDPR Renewables - Nation Rise Wind Farm - Introductory Meeting Agenda

John,

Let's please use the below call-in information for next week.

Call-in Number: 1-888-387-8686
Conference Room Number: 8785599#

Kenneth Little
EDP Renewables Canada Ltd.
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From: Boos, John (MNRF) [mailto:john.boos@ontario.ca]
Sent: Friday, April 07, 2017 3:15 PM
To: Little, Ken <Ken.Little@edpr.com>
Cc: Roscoe, Nathan <Nathan.Roscoe@edpr.com>; Andrew Ryckman <aryckman@nrsi.on.ca>; Christy Humphrey <chumphrey@nrsi.on.ca>; Pinger, Andrew <Andrew.Pinger@edpr.com>; Loturco, Tom <Tom.LoTurco@edpr.com>
Subject: RE: EDPR Renewables - Nation Rise Wind Farm - Introductory Meeting Agenda

Ken,

We have a speaker phone that can be called into, were the others going to join by Conference Call, if so I would suggest you organize a line from your end that we can call from our speaker phone.

John

From: Little, Ken [mailto:Ken.Little@edpr.com]
Sent: April-07-17 2:57 PM
To: Boos, John (MNRF)
Cc: Roscoe, Nathan; Andrew Ryckman; Christy Humphrey; Pinger, Andrew; Loturco, Tom
Subject: EDPR Renewables - Nation Rise Wind Farm - Introductory Meeting Agenda

John,

Ahead of our meeting Monday please find below our proposed agenda. If there are any topics your team would like to discuss please let us know, but we are certainly flexible in our discussions next week.

Proposed Agenda
Monday, April 10th, 2017
10:00-12:00
MNRF Kemptville Office

Introductions and Project Overview

- Individual Introductions – EDPR/NRSI/MNRF
- Company Introduction – EDPR
- Company Environmental Policy - EDPR
- Nation Rise Wind Farm Project Overview and Schedule - EDPR

Species Discussion

- Summary of species presence and available background information - NRSI
- High-level approach to species considerations (i.e. monitoring, permitting, and/or mitigation) - NRSI
- Update on species presence within the refined Project Area - MNRF
- Species monitoring recommendations or requirements - MNRF

Operational Mitigation Plan Development

- Discussion of approach and species considerations - NRSI

Natural Heritage Assessment

- Submission timing and updates - NRSI
- Discussion of District involvement in NHA review – MNRF

Meeting Summary

- Communications pathway/direction moving forward – EDPR/NRSI/MNRF
- Capture action items and next steps– EDPR/NRSI/MNRF
- Discuss opportunities for site tours (South Branch – Operational and/or Nation Rise) - MNRF

Look forward to meeting you and the team next week,

Ken



Kenneth Little
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Subject: Nation Rise WP; District NHA and Species at Risk Records Review Request
From: Christy Humphrey <chumphrey@nrsi.on.ca>
Date: 9/13/2016 12:26 PM
To: Kemptville.Inforequest@ontario.ca
CC: Jim Beal <jim.beal@ontario.ca>, Andrew Ryckman <aryckman@nrsi.on.ca>

Good Afternoon,

NRSI has been retained to conduct a Natural Heritage Assessment (NHA) and Water Body Assessment and Report for the Nation Rise Wind Project. This project, proposed by EDP Renewables, is proposed to consist of up to 50 wind turbines for a nameplate capacity up to 100MW in size, and is situated in the Township of North Stormont, United Counties of Stormont, Dundas and Glengarry. Attached is a map showing the general study area boundary as well as a shapefile of the study area.

Please also find attached the completed Information Request for Kemptville District.

In order to complete the Records Review component of the NHA, we request input from the Kemptville District MNRF on any information on woodlands, wetlands, significant wildlife habitat, species of conservation concern, and Species at Risk, or any other information you may be able to provide, to ensure the Records Review is as comprehensive as possible.

In addition, to complete the Water Body Assessment, we would appreciate receiving any aquatic information you may have within the study area. In particular, we are looking for any of the following types of information:

- Fish/Mussel/Benthic Collection Records/Locations
- Other Fisheries Related Information (e.g. known spawning habitat)

We have also contacted the South Nation Conservation Authority and DFO directly, as well as reviewed several online resources (e.g. NHIC, LIO) for available information.

Please let me know if you need any further details.

Thanks,

Christy Humphrey
--

Christy Humphrey B.E.S.
Terrestrial and Wetland Biologist

Natural Resource Solutions Inc.
1-225 Labrador Drive
Waterloo, ON N2K 4M8
(p) 519-725-2227 (f) 519-725-2575
(m) 519-807-2077
(w) www.nrsi.on.ca (e) chumphrey@nrsi.on.ca

Attachments:

KV Info Request English 2016_2016-09-13_CLH.pdf	1.6 MB
NRSI_1756_StudyArea_75k_2016_05_06_JAS.pdf	860 KB
NRSI_1756_Nation Rise_StudyArea_2016_05_06.zip	10.4 KB

Subject: MNR Kemptville District Information Request (2016_FIN-3672) Response
From: "Inforequest, Kemptville (MNRF)" <Kemptville.Inforequest@ontario.ca>
Date: 9/23/2016 11:18 AM
To: "aryckman@nrsi.on.ca" <aryckman@nrsi.on.ca>
CC: "Inforequest, Kemptville (MNRF)" <Kemptville.Inforequest@ontario.ca>, Christy Humphrey <chumphrey@nrsi.on.ca>

Hello,

Andrew Ryckman
Natural Resource Solutions Inc.

Please find attached a response to your information request for project 'Nation Rise Wind Project'.

Sincerely,

Information Request Services
Kemptville District
Ministry of Natural Resources

Attachments:

ESA_Infosheet-InfoRequest.pdf	58.9 KB
NHIC-LIO_Infosheet-InfoRequest.pdf	73.4 KB
2016_FIN-3672_Response.pdf	223 KB

Subject: Nation Rise Wind Farm: Natural Heritage Assessment
From: Christy Humphrey <chumphrey@nrsi.on.ca>
Date: 4/6/2017 4:01 PM
To: Mike.Poskin@ontario.ca
CC: "Valliant, Emma (MNRF)" <Emma.Valliant@ontario.ca>, Ken Little <Ken.Little@edpr.com>, Nathan Roscoe <Nathan.Roscoe@edpr.com>, Gabriel Constantin <gabriel.constantin@dnvgl.com>, Andrew Ryckman <aryckman@nrsi.on.ca>

Good Afternoon Mike,

I'm pleased to provide the Natural Heritage Assessment for the Nation Rise Wind Farm, proposed by EDP Renewables to be located in the Township of North Stormont in the United Counties of Stormont, Dundas and Glengarry.

This submission includes the following reports:

1) NHA Records Review Report
2) NHA Site Investigation Report
3) NHA Evaluation of Significance Report
4) NHA Environmental Impact Study Report
5) Bird and Bat Environmental Effects Monitoring Plan

The documents are available for download from our file-sharing site, which can be accessed via the following link:

https://portal.nrsi.on.ca/public.php?service=files&t=dac4562a2805e1ce10e3f4003ec5deb7
password: NationRiseNHA2017

Please don't hesitate to let me know if you have any comments or questions, or if there is anything else I can provide which may assist in your review.

Thanks,
Christy
--

Christy Humphrey B.E.S.
Terrestrial and Wetland Biologist
Natural Resource Solutions Inc.
1-225 Labrador Drive
Waterloo, ON N2K 4M8
(p) 519-725-2227 (f) 519-725-2575
(m) 519-807-2077

Constantin, Gabriel

From: Poskin, Mike (MNRF) <Mike.Poskin@ontario.ca>
Sent: June-22-17 11:28 AM
To: Constantin, Gabriel
Cc: Tighe, Jennifer (MNRF); Little, Ken; Roscoe, Nathan (Nathan.Roscoe@edpr.com); Danaitis, Anna Sara; Roberge, Michaël; Cameron, Amy (MNRF); Tighe, Jennifer (MNRF)
Subject: RE: Identification of Petroleum Wells and Facilities - Nation Rise Wind Farm

Hi Gabriel,

Thanks for the email. MNRF has added this information to the file for the Nation Rise Wind Farm. We do not undertake any additional review of this information. Also, no additional effort is required on your part to follow up with the district, as per Amy Cameron's voicemail.

Thank you.
Mike

Mike Poskin
A/Renewable Energy Coordinator
Regional Resources Section | Southern Region
Ministry of Natural Resources and Forestry
T: 705-755-1362

From: Constantin, Gabriel [mailto:gabriel.constantin@dnvgl.com]
Sent: June-22-17 10:11 AM
To: Poskin, Mike (MNRF)
Cc: Tighe, Jennifer (MNRF); Little, Ken; Roscoe, Nathan (Nathan.Roscoe@edpr.com); Danaitis, Anna Sara; Roberge, Michaël
Subject: Identification of Petroleum Wells and Facilities - Nation Rise Wind Farm

Hi Mike,

We would like to send the following email to the right person at the MNRF in relation to the Identification of Petroleum Wells and Facilities. The guidelines talk about sending this to the District office; however, after discussing with Jenny Tighe, Aggregate Technical Specialist at MNRF Kemptville District office, she indicated that you might know who the right contact person is. Ken Little will give you a call today to discuss. Here is the email we would like to send to inform the MNRF:

According to the Approval and Permitting Requirements Document (APRD) and as per the Ontario Ministry of Natural Resources "Template for Renewable Energy Projects: Setbacks from Petroleum Operations", development of a renewable energy project is not permitted within 75 m of a petroleum resources operation, unless the applicant submits an engineer's report demonstrating that there are no effects to the development.

For Nation Rise Wind Farm (Project Location Map attached), DNV GL reviewed the Ontario Oil, Gas and Salt Resources (OGSR) Library inventory. No petroleum wells were located with 75 m of the Project Location. The closest well within the OGSR inventory is over 3 km from the Project Study Area. Therefore, a Petroleum Resources Operation Setback Report is not required for this Project and no impact is anticipated.

The Nation Rise Wind Farm, being developed by Nation Rise Wind Farm Limited Partnership (the "Proponent"), is located in eastern Ontario, within the Township of North Stormont and the United Counties of Stormont, Dundas and Glengarry, Ontario. More specifically, the Project is located in the western portion of North Stormont bounded to the south by the Township of South Stormont and to the west by the boundary of the Township of North Dundas. The north portion of the Project is delimited by the municipality boundaries of Russell and the Nation. Courville Road and MacMillan Road are the east boundaries of the Project. For more information on the Project, please visit the project website:

http://nationrisewindfarm.com/

I trust the above information is sufficient to satisfy the requirements of the MNRF and the APRD. If you require anything further or have any questions regarding the information presented here please do not hesitate to contact me.

Best regards,

Gab

for GL Garrad Hassan Canada Inc.

Gabriel Constantin, M. Sc.
Team Leader, Environmental and Permitting Services
DNV GL - Energy

E-mail gabriel.constantin@dnvgl.com
Mobile +1 416 320-4636
www.dnvgl.com | LinkedIn



DNV and GL have merged to form DNV GL - Read more here: www.dnvgl.com/merger

****
This e-mail and any attachments thereto may contain confidential information and/or information protected by intellectual property rights for the exclusive attention of the intended addressees named above. If you have received this transmission in error, please immediately notify the sender by return e-mail and delete this message and its attachments. Unauthorized use, copying or further full or partial distribution of this e-mail or its contents is prohibited.
****

Subject: Nation Rise Wind Project: RR and SI final comments
From: "Cameron, Amy (MNRF)" <Amy.Cameron@ontario.ca>
Date: 6/13/2017 3:44 PM
To: Andrew Ryckman <aryckman@nrsi.on.ca>
CC: "Ken.Little@edpr.com" <Ken.Little@edpr.com>, "Poskin, Mike (MNRF)" <Mike.Poskin@ontario.ca>, "Wheeldon, Aileen (MNRF)" <Aileen.Wheeldon@ontario.ca>, "Walker, Korey (MNRF)" <Korey.Walker@ontario.ca>

Andrew,

Please find attached the final comments for the Nation Rise RR and SI. I have accepted your previous changes and inserted the final edits as tracked changes. Most tracked changes are house-keeping items to ensure there is clarity about what "Project Area" means (i.e. are you in or within 120m of the Project Location as per the regulation). I will not be providing comment tables to make my review more efficient.

EOS to follow in another email later tonight.

If you have any question please give me a call. Once the changes are made to the RR and SI Reports, they will be deemed complete.

Amy Cameron
Regional Planning Ecologist
Ministry of Natural Resources
705-755-5393

Attachments:

NRSI_1756_Nation Rise WF_NH_RR_ACcomments_June12,2017.docx	386 KB
NRSI_1756_NationRiseWF_NH-SI_DRAFT_2017-05-10_AW&ACcomments_June12,2017.docx	648 KB

Ministry of Tourism, Culture and Sport

Ministry of Tourism, Culture and Sport

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Ontario

Oct 31, 2016

Bradley Drouin (P311)
Golder Associates Ltd.
1931 Robertson Ottawa ON K2H5B7

RE: Review and Entry into the Ontario Public Register of Archaeological Reports: Archaeological Assessment Report Entitled, "Stage 1 Archaeological Assessment Nation Rise Wind Farm Project Various Lots and Concessions Historic Finch Township, United Counties of Stormont, Dundas and Glengarry, Ontario ", Dated Sep 30, 2016, Filed with MTCS Toronto Office on Oct 28, 2016, MTCS Project Information Form Number P311-0305-2016, MTCS File Number 0005413

Dear Mr. Drouin:

This office has reviewed the above-mentioned report, which has been submitted to this ministry as a condition of licensing in accordance with Part VI of the Ontario Heritage Act, R.S.O. 1990, c 0.18.[1] This review has been carried out in order to determine whether the licensed professional consultant archaeologist has met the terms and conditions of their licence, that the licensee assessed the property and documented archaeological resources using a process that accords with the 2011 Standards and Guidelines for Consultant Archaeologists set by the ministry, and that the archaeological fieldwork and report recommendations are consistent with the conservation, protection and preservation of the cultural heritage of Ontario.

The report documents the Stage 1 assessment of the study area as depicted in Map 10 of the above titled report and recommends the following:

Based on the background research, it is recommended that Stage 2 archaeological assessment be performed for all areas that will be impacted by the proposed project (Map 10, p. 27). The following methods are recommended for the Stage 2 property survey:

1) A Stage 2 archaeological assessment will be conducted by a licenced archaeologist using the pedestrian survey method at 5 metre intervals in all areas that will be impacted by the project and where ploughing is possible (e.g., agricultural fields). This assessment will occur when the agricultural fields have been recently ploughed, weathered, and exhibit at least 80% surface visibility;

2) A Stage 2 archaeological assessment will be conducted by a licenced archaeologist using the test pit survey method at 5 metre intervals in all areas that will be impacted by the project and where ploughing is not possible (e.g., wood lots, overgrown areas, manicured lawns);

3) Poorly drained areas, areas of steep slope and areas of previous disturbance (e.g., road ROWs,

buildings) identified within all areas that will be impacted by the project are to be mapped and photo-documented, but are not recommended for Stage 2 archaeological assessment as they possess low to no archaeological potential; and

4) The Stage 2 archaeological assessment will follow the requirements set out in the Standards and Guidelines for Consultant Archaeologists (Government of Ontario 2011).

Based on the information contained in the report, the ministry is satisfied that the fieldwork and reporting for the archaeological assessment are consistent with the ministry's 2011 Standards and Guidelines for Consultant Archaeologists and the terms and conditions for archaeological licences. This report has been entered into the Ontario Public Register of Archaeological Reports. Please note that the ministry makes no representation or warranty as to the completeness, accuracy or quality of reports in the register.

Should you require any further information regarding this matter, please feel free to contact me.

Sincerely,

Shari Prowse
Archaeology Review Officer

cc. Archaeology Licensing Officer
Kennith Little,EDP Renewables Canada Ltd.
TBD TBD,MOECC

[1]In no way will the ministry be liable for any harm, damages, costs, expenses, losses, claims or actions that may result: (a) if the Report(s) or its recommendations are discovered to be inaccurate, incomplete, misleading or fraudulent; or (b) from the issuance of this letter. Further measures may need to be taken in the event that additional artifacts or archaeological sites are identified or the Report(s) is otherwise found to be inaccurate, incomplete, misleading or fraudulent.

Ministry of Tourism, Culture and Sport

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Ontario

Apr 25, 2017

Bradley Drouin (P311)
Golder Associates Ltd.
1931 Robertson Ottawa ON K2H5B7

RE: Review and Entry into the Ontario Public Register of Archaeological Reports: Archaeological Assessment Report Entitled, "Stage 1 Archaeological Assessment Nation Rise Wind Farm Project Additional Lands Part of Lot 2, Concession 3, Historic Finch Township, United Counties of Stormont, Dundas and Glengarry, Ontario ", Dated Mar 17, 2017, Filed with MTCS Toronto Office on Mar 28, 2017, MTCS Project Information Form Number P311-0310-2017, MTCS File Number 0005413

Dear Mr. Drouin:

This office has reviewed the above-mentioned report, which has been submitted to this ministry as a condition of licensing in accordance with Part VI of the Ontario Heritage Act, R.S.O. 1990, c 0.18.[1] This review has been carried out in order to determine whether the licensed professional consultant archaeologist has met the terms and conditions of their licence, that the licensee assessed the property and documented archaeological resources using a process that accords with the 2011 Standards and Guidelines for Consultant Archaeologists set by the ministry, and that the archaeological fieldwork and report recommendations are consistent with the conservation, protection and preservation of the cultural heritage of Ontario.

The report documents the Stage 1 assessment of the study area as depicted in Map 8 of the above titled report and recommends the following:

1) A Stage 2 archaeological assessment will be conducted by a licenced archaeologist using the pedestrian survey method at 5 metre intervals in all areas that will be impacted by the project and where ploughing is possible (e.g., agricultural fields). This assessment will occur when the agricultural fields have been recently ploughed, weathered, and exhibit at least 80% surface visibility;

2) A Stage 2 archaeological assessment will be conducted by a licenced archaeologist using the test pit survey method at 5 metre intervals in all areas that will be impacted by the project and where ploughing is not possible (e.g., wood lots, overgrown areas, manicured lawns);

3) Poorly drained areas, areas of steep slope and areas of previous disturbance (e.g., road ROWs, buildings) identified within the study area that will be impacted by the project are to be mapped and photo-documented, but are not recommended for Stage 2 archaeological assessment as they possess low to no

archaeological potential; and

4) The Stage 2 archaeological assessment will follow the requirements set out in the Standards and Guidelines for Consultant Archaeologists (Government of Ontario 2011).

Based on the information contained in the report, the ministry is satisfied that the fieldwork and reporting for the archaeological assessment are consistent with the ministry's 2011 Standards and Guidelines for Consultant Archaeologists and the terms and conditions for archaeological licences. This report has been entered into the Ontario Public Register of Archaeological Reports. Please note that the ministry makes no representation or warranty as to the completeness, accuracy or quality of reports in the register.

Should you require any further information regarding this matter, please feel free to contact me.

Sincerely,

Shari Prowse
Archaeology Review Officer

cc. Archaeology Licensing Officer
Kenneth Little,EDP Renewables Canada Ltd.
TBD TBD,MInistry of the Environment and Climate Change

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Ministry of Tourism, Culture and Sport

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April 18, 2017

Ben Holthof
Cultural Heritage Specialist
Golder Associates Ltd.
683 Innovation Drive, Unit 1
Kingston, ON, K7K 7E6

Project	**:**	**Nation Rise Wind Farm REA HIA**
OPA Reference Number	**:**	**L-006351-WIN-001-100**
Report Title	**:**	**Heritage Impact Assessment Nation Rise Wind Farm Project North Stormont Township, United Counties of Stormont, Dundas and Glengarry, Ontario**
Applicant	**:**	**Golder Associates Ltd.**
Location	**:**	**Lower Tier, North Stormont Township**
MTCS File No.	**:**	**[0006490]**

Dear Ben Holthof:

This office has reviewed the above-mentioned report (the "Report"), which has been submitted to this ministry as required under O. Reg. 359/09, as amended (Renewable Energy Approvals under the *Environmental Protection Act*) (the "REA regulation"). This letter constitutes the Ministry of Tourism, Culture and Sport (the "Ministry") comments for the purposes of section 23(3)(a) of the REA regulation regarding the heritage assessment undertaken for the above project.

The Report recommends the following:

> "This HIA determined that there are no protected properties in the Study Area as outlined in O. Reg. 359/09 Section 19(1). However, field investigation and evaluation determined that the Study Area include eighteen (18) properties of CHVI. A cemetery and monument in Berwick are inside the Study Area but are not on or adjacent to a project location and will not be impacted by the Project.
>
> Impact assessment for the Project's construction and operation phases has concluded that there is:
>
> - No risk of direct or indirect adverse impacts to any heritage attributes of seventeen (17) newly identified properties of CHVI; and,
>
> - Minimal risk of indirect impact from vibration to the heritage attributes of 14114 Concession 10-11 Road.

Golder therefore recommends that:

- A preconstruction condition survey/photographic documentation of the structures at 14114 Concession 10-11 Road should be done prior to access road construction and the condition of the structures should be monitored against the precondition survey by construction personnel during construction to ensure they are not damaged by vibration; or,

- The access road proposed for near 14114 Concession 10-11 Road be routed 60 metres from the property's farm buildings." (page 27)

Based on the information contained in the Report, the Ministry is satisfied that the heritage assessment process and reporting are consistent with the applicable heritage assessment requirements established in s. 23 of O. Reg. 359/09. Please note that the Ministry makes no representation or warranty as to the completeness, accuracy or quality of the heritage assessment report (please see Note 1).

This letter does not waive any requirements under the *Ontario Heritage Act*.

This letter does not constitute approval of the renewable energy project. Approvals or licences for the project may be required under other statutes and regulations. Please ensure that you obtain all required approvals and/or licences.

Please ensure that the proponent is aware that, if new information or substantive project changes arise after issuance of this letter, the applicant should discuss them with you to determine if any additional assessment or reporting is required. If additional reporting or revisions are required, they should be submitted to the Ministry for review. Upon completion of that review, the Ministry will determine if any revisions to the content of this letter are required.

Should you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Brooke Herczeg
Heritage Planner
Brooke.Herczeg@ontario.ca

cc. Kenneth Little
EDP Renewables Canada Ltd.

Nathan Roscoe
EDP Renewables Canada Ltd.

Kathleen Hedley, Director
Environmental Approvals Branch, Ministry of the Environment and Climate Change

Dolly Goyette, Director
Environmental Approvals and Service Integration Branch, Ministry of the Environment and Climate Change

James Hamilton, Manager
Culture Services Unit, Ministry of Tourism, Culture and Sport

Note 1: In no way will the Ministry be liable for any harm, damages, costs, expenses, losses, claims or actions that may result: (a) if the Report or its recommendations are discovered to be inaccurate, incomplete, misleading or fraudulent; or (b) from the issuance of this letter. Further measures may need to be taken in the event that additional heritage resources are identified or the Report is otherwise found to be inaccurate, incomplete, misleading or fraudulent.

Ministry of Tourism, Culture and Sport

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Ontario

Jul 17, 2017

Bradley Drouin (P311)
Golder Associates Ltd.
1931 Robertson Ottawa ON K2H5B7

RE: Review and Entry into the Ontario Public Register of Archaeological Reports: Archaeological Assessment Report Entitled, "Stage 2 Archaeological Assessment Nation Rise Wind Farm Project Various Lots and Concessions Historic Finch Township, United Counties of Stormont, Dundas and Glengarry, Ontario ", Dated Jun 26, 2017, Filed with MTCS Toronto Office on Jul 13, 2017, MTCS Project Information Form Number P311-0313-2017, P311-0307-2016, OPA Reference Number FIT-FX7X7X7

Dear Mr. Drouin:

This office has reviewed the above-mentioned report, which has been submitted to this ministry as a condition of licensing in accordance with Part VI of the Ontario Heritage Act, R.S.O. 1990, c 0.18. [1] This review has been carried out in order to determine whether the licensed professional consultant archaeologist has met the terms and conditions of their licence, that the licensee assessed the property and documented archaeological resources using a process that accords with the 2011 Standards and Guidelines for Consultant Archaeologists set by the ministry, and that the archaeological fieldwork and report recommendations are consistent with the conservation, protection and preservation of the cultural heritage of Ontario.[2]

The report documents the Stage 2 assessment of the study area as depicted in Maps 9A-9N and 10A-10E of the above titled report and recommends the following:

The Stage 2 archaeological assessment resulted in the identification of 20 locations producing cultural material, and one location that produced a geological sample (21 Find Locations in total). Based on the results of the Stage 2 property assessments and detailed property specific research, it was concluded that:
1) The historic Euro-Canadian components at Locations NRWF - 01, 04, 05, 06, 07, 08, 10, 12, 14, 16, 17, and 21 have further Cultural Heritage Value or Interest and further archaeological assessment is required.

2) The historic Euro-Canadian components at Locations NRWF - 02, 03, 11, 13, 15, 18, 19, and 20 have no further Cultural Heritage Value or Interest and no further archaeological assessment is required.

3) The geological sample, identified as NRWF-09 which was initially believed in the field to be an Indigenous Pre-Contact artifact, has no Cultural Heritage Value or Interest and no further archaeological assessment is required.

Given these findings, specific recommendations are made below for each individual site, as per Section 7.8.4, Standard 1 of the MTCS Standards and Guidelines for Consultant Archaeologists (MTCS 2011).

1.1 Locations NRWF - 02, 03, 09, 11, 13, 15, 18, 19, and 20
1) The Cultural Heritage Value or Interest of Locations NRWF - 02, 03, 09, 11, 13, 15, 18, and 20 have been sufficiently assessed and documented, the sites may be considered free of further archaeological concern, and no further archaeological assessment of these sites is required.

1.2 NRWF-01 (BhFt-2)
1) NRWF-01 (BhFt-2) possesses Cultural Heritage Value or Interest and the site should be subject to a Stage 3 site-specific archaeological assessment prior to any development impacts.

2) The Stage 3 assessment should employ the hand excavated test unit methodology, as outlined in Sections 3.2 and Table 3.1 of the MTCS' Standards and Guidelines for Consultant Archaeologists (MTCS 2011). The test unit excavation should consist of one metre by one metre square test units laid out in a systematic grid.

3) All units should be excavated into the first five centimetres of subsoil unless a cultural feature is uncovered. Any features identified during the Stage 3 assessment should have their plan view drawn; each feature should be covered with geotextile fabric prior to backfilling. All soil excavated from the test units will be screened through six millimetre hardware cloth to facilitate the recovery of artifacts that may be present. The recovered artifacts will be tagged in the field by their provenience unit and returned to the laboratory for washing, cataloguing and analysis.

4) NRWF-01 (BhFt-2) has been identified as a small post-1830 historic Euro-Canadian site where it is not clearly evident that Stage 4 mitigation of impacts will be required, the test unit excavation strategy should follow Table 3.1, Standards 1 and 2. Specifically, test units should be excavated at five metre intervals with 20% infill units placed in areas of interest around the site.

5) Site specific archival research to supplement the previous background study concerning the 19th century land use and occupation history specific to NRWF-01 (BhFt-2) should also be conducted as part of the Stage 3 assessment.

6) NRWF-01 (BhFt-2) is situated less than 70 metres but with the site limits outside of the Project final draft layout; therefore, Stage 3 archaeological assessment as part of the Project is not required at this time. However, in order to accommodate future flexibility in the layout, it is necessary to ensure that NRWF-01 (BhFt-2) will be protected from any construction activities associated with the Project. Appropriate protective measures, along with a recommendation for partial clearance of the remainder of the project area (as defined in Section 2.0 of the present report) have been outlined in Section 5.14 below. A long-term avoidance and protection strategy for the site has been detailed in Section 5.13 below.

1.3 NRWF-04 (BhFt-4)
1) NRWF-04 (BhFt-4) possesses Cultural Heritage Value or Interest and the site should be subject to a Stage 3 site-specific archaeological assessment prior to any development impacts.

2) The Stage 3 assessment should employ the hand excavated test unit methodology, as outlined in Sections 3.2 and Table 3.1 of the MTCS' Standards and Guidelines for Consultant Archaeologists (MTCS 2011). As a controlled surface pickup was completed during the Stage 2, one is not required as part of the Stage 3 archaeological assessment. The test unit excavation should consist of one metre by one metre square test units laid out in a systematic grid.

3) All units should be excavated into the first five centimetres of subsoil unless a cultural feature is uncovered. Any features identified during the Stage 3 assessment should have their plan view drawn; each feature should be covered with geotextile fabric prior to backfilling. All soil excavated from the test units will be screened through six millimetre hardware cloth to facilitate the recovery of artifacts that may be present.

The recovered artifacts will be tagged in the field by their provenience unit and returned to the laboratory for washing, cataloguing and analysis.

4) NRWF-04 (BhFt-4) has been identified as a small post-1830 historic Euro-Canadian site where it is not clearly evident that Stage 4 mitigation of impacts will be required, the test unit excavation strategy should follow Table 3.1, Standards 1 and 2. Specifically, test units should be excavated at five metre intervals with 20% infill units placed in areas of interest around the site.

5) Site specific archival research to supplement the previous background study concerning the 19th century land use and occupation history specific to NRWF-04 (BhFt-4) should also be conducted as part of the Stage 3 assessment.

6) NRWF-04 (BhFt-4) is situated more than 70 metres from the Project final draft layout; therefore, Stage 3 archaeological assessment as part of the Project is not required at this time. A long-term avoidance and protection strategy for the site has been detailed in Section 5.13 below.

1.4 NRWF-05 (BhFt-3)
1) NRWF-05 (BhFt-3) possesses Cultural Heritage Value or Interest and the site should be subject to a Stage 3 site-specific archaeological assessment prior to any development impacts.

2) The Stage 3 assessment should employ both the controlled surface pick-up and hand excavated test unit methodology, as outlined in Sections 3.2 and Table 3.1 of the MTCS' Standards and Guidelines for Consultant Archaeologists (MTCS 2011). Prior to conducting the field work, the area will need to be re-ploughed and allowed to weather with at least 80% surface visibility for the controlled surface pick-up. The test unit excavation should consist of one metre by one metre square test units laid out in a systematic grid.

3) All units should be excavated into the first five centimetres of subsoil unless a cultural feature is uncovered. Any features identified during the Stage 3 assessment should have their plan view drawn; each feature should be covered with geotextile fabric prior to backfilling. All soil excavated from the test units will be screened through six millimetre hardware cloth to facilitate the recovery of artifacts that may be present. The recovered artifacts will be tagged in the field by their provenience unit and returned to the laboratory for washing, cataloguing and analysis.

4) NRWF-05 (BhFt-3) has been identified as a small post-1830 historic Euro-Canadian site where it is not clearly evident that Stage 4 mitigation of impacts will be required, the test unit excavation strategy should follow Table 3.1, Standards 1 and 2. Specifically, test units should be excavated at five metre intervals with 20% infill units placed in areas of interest around the site.

5) Site specific archival research to supplement the previous background study concerning the 19th century land use and occupation history specific to NRWF-05 (BhFt-2) should also be conducted as part of the Stage 3 assessment.

6) NRWF-05 (BhFt-3) is situated more than 70 metres from the Project final draft layout; therefore, Stage 3 archaeological assessment as part of the Project is not required at this time. A long-term avoidance and protection strategy for the site has been detailed in Section 5.13 below.

1.5 NRWF-06 (BhFt-7)
1) NRWF-06 (BhFt-7) possesses Cultural Heritage Value or Interest and the site should be subject to a Stage 3 site-specific archaeological assessment prior to any development impacts.

2) The Stage 3 assessment should employ the hand excavated test unit methodology, as outlined in Sections 3.2 and Table 3.1 of the MTCS' Standards and Guidelines for Consultant Archaeologists (MTCS 2011). As a controlled surface pickup was completed during the Stage 2, one is not required as part of the Stage 3 archaeological assessment. The test unit excavation should consist of one metre by one metre

square test units laid out in a systematic grid.

3) All units should be excavated into the first five centimetres of subsoil unless a cultural feature is uncovered. Any features identified during the Stage 3 assessment should have their plan view drawn; each feature should be covered with geotextile fabric prior to backfilling. All soil excavated from the test units will be screened through six millimetre hardware cloth to facilitate the recovery of artifacts that may be present. The recovered artifacts will be tagged in the field by their provenience unit and returned to the laboratory for washing, cataloguing and analysis.

4) NRWF-06 (BhFt-7) has been identified as a small post-1830 historic Euro-Canadian site where it is not clearly evident that Stage 4 mitigation of impacts will be required, the test unit excavation strategy should follow Table 3.1, Standards 1 and 2. Specifically, test units should be excavated at five metre intervals with 20% infill units placed in areas of interest around the site.

5) Site specific archival research to supplement the previous background study concerning the 19th century land use and occupation history specific to NRWF-06 (BhFt-7) should also be conducted as part of the Stage 3 assessment.

6) NRWF-06 (BhFt-7) is situated within the limits of the Project final draft layout and, therefore, will require Stage 3 archaeological assessment prior to any development impacts for the Project. However, in order to allow construction activities to proceed in other portions of the Project study area, appropriate measures must be taken in order to protect NRWF-06 (BhFt-7). These protective measures, along with a recommendation for partial clearance of the remainder of the project area (as defined in Section 2.0 of the present report) have been outlined in Section 5.12 below. Should project redesign after submission of the REA allow for long term protection and avoidance, those details are provided in in Section 5.13 below.

1.6 NRWF-07 (BhFt-5)
1) NRWF-07 (BhFt-5) possesses Cultural Heritage Value or Interest and the site should be subject to a Stage 3 site-specific archaeological assessment prior to any development impacts.

2) The Stage 3 assessment should employ the hand excavated test unit methodology, as outlined in Sections 3.2 and Table 3.1 of the MTCS' Standards and Guidelines for Consultant Archaeologists (MTCS 2011). As a controlled surface pickup was completed during the Stage 2, one is not required as part of the Stage 3 archaeological assessment. The test unit excavation should consist of one metre by one metre square test units laid out in a systematic grid.

3) All units should be excavated into the first five centimetres of subsoil unless a cultural feature is uncovered. Any features identified during the Stage 3 assessment should have their plan view drawn; each feature should be covered with geotextile fabric prior to backfilling. All soil excavated from the test units will be screened through six millimetre hardware cloth to facilitate the recovery of artifacts that may be present. The recovered artifacts will be tagged in the field by their provenience unit and returned to the laboratory for washing, cataloguing and analysis.

4) NRWF-07 (BhFt-5) has been identified as a small post-1830 historic Euro-Canadian site where it is not clearly evident that Stage 4 mitigation of impacts will be required, the test unit excavation strategy should follow Table 3.1, Standards 1 and 2. Specifically, test units should be excavated at five metre intervals with 20% infill units placed in areas of interest around the site.

5) Site specific archival research to supplement the previous background study concerning the 19th century land use and occupation history specific to NRWF-07 (BhFt-5) should also be conducted as part of the Stage 3 assessment.

6) NRWF-07 (BhFt-5) is situated within the limits of the Project final draft layout and, therefore, will require Stage 3 archaeological assessment prior to any development impacts for the Project. However, in order to allow construction activities to proceed in other portions of the Project study area, appropriate measures

must be taken in order to protect NRWF-07 (BhFt-5). These protective measures, along with a recommendation for partial clearance of the remainder of the project area (as defined in Section 2.0 of the present report) have been outlined in Section 5.12 below. Should project redesign after submission of the REA allow for long term protection and avoidance, those details are provided in in Section 5.13 below.

1.7 NRWF-08 (BhFt-10)

1) NRWF-08 (BhFt-10) possesses Cultural Heritage Value or Interest and the site should be subject to a Stage 3 site-specific archaeological assessment prior to any development impacts.

2) The Stage 3 assessment should employ both the controlled surface pick-up and hand excavated test unit methodology, as outlined in Sections 3.2 and Table 3.1 of the MTCS' Standards and Guidelines for Consultant Archaeologists (MTCS 2011). Prior to conducting the field work, the area will need to be re-ploughed and allowed to weather with at least 80% surface visibility for the controlled surface pick-up. The test unit excavation should consist of one metre by one metre square test units laid out in a systematic grid.

3) All units should be excavated into the first five centimetres of subsoil unless a cultural feature is uncovered. Any features identified during the Stage 3 assessment should have their plan view drawn; each feature should be covered with geotextile fabric prior to backfilling. All soil excavated from the test units will be screened through six millimetre hardware cloth to facilitate the recovery of artifacts that may be present. The recovered artifacts will be tagged in the field by their provenience unit and returned to the laboratory for washing, cataloguing and analysis.

4) NRWF-08 (BhFt-10) has been identified as a small post-1830 historic Euro-Canadian site where it is not clearly evident that Stage 4 mitigation of impacts will be required, the test unit excavation strategy should follow Table 3.1, Standards 1 and 2. Specifically, test units should be excavated at five metre intervals with 20% infill units placed in areas of interest around the site.

5) NRWF-08 (BhFt-10) is situated within the limits of the Project final draft layout and, therefore, will require Stage 3 archaeological assessment prior to any development impacts for the Project. However, in order to allow construction activities to proceed in other portions of the Project study area, appropriate measures must be taken in order to protect NRWF-08 (BhFt-10). These protective measures, along with a recommendation for partial clearance of the remainder of the project area (as defined in Section 2.0 of the present report) have been outlined in Section 5.12 below. Should project redesign after submission of the REA allow for long term protection and avoidance, those details are provided in in Section 5.13 below.

1.8 NRWF-10 (BgFs-3)

1) NRWF-10 (BgFs-3) possesses Cultural Heritage Value or Interest and the site should be subject to a Stage 3 site-specific archaeological assessment prior to any development impacts.

2) The Stage 3 assessment should employ the hand excavated test unit methodology, as outlined in Sections 3.2 and Table 3.1 of the MTCS' Standards and Guidelines for Consultant Archaeologists (MTCS 2011). As a controlled surface pickup was completed during the Stage 2, one is not required as part of the Stage 3 archaeological assessment. The test unit excavation should consist of one metre by one metre square test units laid out in a systematic grid.

3) All units should be excavated into the first five centimetres of subsoil unless a cultural feature is uncovered. Any features identified during the Stage 3 assessment should have their plan view drawn; each feature should be covered with geotextile fabric prior to backfilling. All soil excavated from the test units will be screened through six millimetre hardware cloth to facilitate the recovery of artifacts that may be present. The recovered artifacts will be tagged in the field by their provenience unit and returned to the laboratory for washing, cataloguing and analysis.

4) NRWF-10 (BgFs-3) has been identified as a small post-1830 historic Euro-Canadian site where it is not clearly evident that Stage 4 mitigation of impacts will be required, the test unit excavation strategy should follow Table 3.1, Standards 1 and 2. Specifically, test units should be excavated at five metre intervals with

20% infill units placed in areas of interest around the site.

5) Site specific archival research to supplement the previous background study concerning the 19th century land use and occupation history specific to NRWF-10 (BgFs-3) should also be conducted as part of the Stage 3 assessment.

6) NRWF-10 (BgFs-3) is situated within the limits of the Project final draft layout and, therefore, will require Stage 3 archaeological assessment prior to any development impacts for the Project. However, in order to allow construction activities to proceed in other portions of the Project study area, appropriate measures must be taken in order to protect NRWF-10 (BgFs-3). These protective measures, along with a recommendation for partial clearance of the remainder of the project area (as defined in Section 2.0 of the present report) have been outlined in Section 5.12 below. Should project redesign after submission of the REA allow for long term protection and avoidance, those details are provided in in Section 5.13 below.

1.9 NRWF-12 (BhFt-6)
1) NRWF-12 (BhFt-6) possesses Cultural Heritage Value or Interest and the site should be subject to a Stage 3 site-specific archaeological assessment prior to any development impacts.

2) The Stage 3 assessment should employ the hand excavated test unit methodology, as outlined in Sections 3.2 and Table 3.1 of the MTCS' Standards and Guidelines for Consultant Archaeologists (MTCS 2011). As a controlled surface pickup was completed during the Stage 2, one is not required as part of the Stage 3 archaeological assessment. The test unit excavation should consist of one metre by one metre square test units laid out in a systematic grid.

3) All units should be excavated into the first five centimetres of subsoil unless a cultural feature is uncovered. Any features identified during the Stage 3 assessment should have their plan view drawn; each feature should be covered with geotextile fabric prior to backfilling. All soil excavated from the test units will be screened through six millimetre hardware cloth to facilitate the recovery of artifacts that may be present. The recovered artifacts will be tagged in the field by their provenience unit and returned to the laboratory for washing, cataloguing and analysis.

4) NRWF-12 (BhFt-6) has been identified as a small post-1830 historic Euro-Canadian site where it is not clearly evident that Stage 4 mitigation of impacts will be required, the test unit excavation strategy should follow Table 3.1, Standards 1 and 2. Specifically, test units should be excavated at five metre intervals with 20% infill units placed in areas of interest around the site.

5) NRWF-12 (BhFt-6) is situated within the limits of the Project final draft layout and, therefore, will require Stage 3 archaeological assessment prior to any development impacts for the Project. However, in order to allow construction activities to proceed in other portions of the Project study area, appropriate measures must be taken in order to protect NRWF-12 (BhFt-6). These protective measures, along with a recommendation for partial clearance of the remainder of the project area (as defined in Section 2.0 of the present report) have been outlined in Section 5.12 below. Should project redesign after submission of the REA allow for long term protection and avoidance, those details are provided in in Section 5.13 below.

1.10 NRWF-14 (BhFt-8)
1) NRWF-14 (BhFt-8) possesses Cultural Heritage Value or Interest and the site should be subject to a Stage 3 site-specific archaeological assessment prior to any development impacts.

2) The Stage 3 assessment should employ both the controlled surface pick-up and hand excavated test unit methodology, as outlined in Sections 3.2 and Table 3.1 of the MTCS' Standards and Guidelines for Consultant Archaeologists (MTCS 2011). Prior to conducting the field work, the area will need to be re-ploughed and allowed to weather with at least 80% surface visibility for the controlled surface pick-up. The test unit excavation should consist of one metre by one metre square test units laid out in a systematic grid.

3) All units should be excavated into the first five centimetres of subsoil unless a cultural feature is

uncovered. Any features identified during the Stage 3 assessment should have their plan view drawn; each feature should be covered with geotextile fabric prior to backfilling. All soil excavated from the test units will be screened through six millimetre hardware cloth to facilitate the recovery of artifacts that may be present. The recovered artifacts will be tagged in the field by their provenience unit and returned to the laboratory for washing, cataloguing and analysis.

4) NRWF-14 (BhFt-8) has been identified as a small post-1830 historic Euro-Canadian site where it is not clearly evident that Stage 4 mitigation of impacts will be required, the test unit excavation strategy should follow Table 3.1, Standards 1 and 2. Specifically, test units should be excavated at five metre intervals with 20% infill units placed in areas of interest around the site.

5) NRWF-14 (BhFt-8) is situated within the limits of the Project final draft layout and, therefore, will require Stage 3 archaeological assessment prior to any development impacts for the Project. However, in order to allow construction activities to proceed in other portions of the Project study area, appropriate measures must be taken in order to protect NRWF-14 (BhFt-8). These protective measures, along with a recommendation for partial clearance of the remainder of the project area (as defined in Section 2.0 of the present report) have been outlined in Section 5.12 below. Should project redesign after submission of the REA allow for long term protection and avoidance, those details are provided in in Section 5.13 below.

1.11 NRWF-16 (BgFs-4)
1) NRWF-16 (BgFs-4) possesses Cultural Heritage Value or Interest and the site should be subject to a Stage 3 site-specific archaeological assessment prior to any development impacts.

2) The Stage 3 assessment should employ the hand excavated test unit methodology, as outlined in Sections 3.2 and Table 3.1 of the MTCS' Standards and Guidelines for Consultant Archaeologists (MTCS 2011). As a controlled surface pickup was completed during the Stage 2, one is not required as part of the Stage 3 archaeological assessment. The test unit excavation should consist of one metre by one metre square test units laid out in a systematic grid.

3) All units should be excavated into the first five centimetres of subsoil unless a cultural feature is uncovered. Any features identified during the Stage 3 assessment should have their plan view drawn; each feature should be covered with geotextile fabric prior to backfilling. All soil excavated from the test units will be screened through six millimetre hardware cloth to facilitate the recovery of artifacts that may be present. The recovered artifacts will be tagged in the field by their provenience unit and returned to the laboratory for washing, cataloguing and analysis.

4) NRWF-16 (BgFs-4) has been identified as a small post-1830 historic Euro-Canadian site where it is not clearly evident that Stage 4 mitigation of impacts will be required, the test unit excavation strategy should follow Table 3.1, Standards 1 and 2. Specifically, test units should be excavated at five metre intervals with 20% infill units placed in areas of interest around the site.

5) NRWF-16 (BgFs-4) is situated within the limits of the Project final draft layout and, therefore, will require Stage 3 archaeological assessment prior to any development impacts for the Project. However, in order to allow construction activities to proceed in other portions of the Project study area, appropriate measures must be taken in order to protect NRWF-16 (BgFs-4). These protective measures, along with a recommendation for partial clearance of the remainder of the project area (as defined in Section 2.0 of the present report) have been outlined in Section 5.12 below. Should project redesign after submission of the REA allow for long term protection and avoidance, those details are provided in in Section 5.13 below.

1.12 NRWF-17 (BhFt-9)
1) NRWF-17 (BhFt-9) possesses Cultural Heritage Value or Interest and the site should be subject to a Stage 3 site-specific archaeological assessment prior to any development impacts.

2) The Stage 3 assessment should employ the hand excavated test unit methodology, as outlined in

Sections 3.2 and Table 3.1 of the MTCS' Standards and Guidelines for Consultant Archaeologists (MTCS 2011). As a controlled surface pickup was completed during the Stage 2, one is not required as part of the Stage 3 archaeological assessment. The test unit excavation should consist of one metre by one metre square test units laid out in a systematic grid.

3) All units should be excavated into the first five centimetres of subsoil unless a cultural feature is uncovered. Any features identified during the Stage 3 assessment should have their plan view drawn; each feature should be covered with geotextile fabric prior to backfilling. All soil excavated from the test units will be screened through six millimetre hardware cloth to facilitate the recovery of artifacts that may be present. The recovered artifacts will be tagged in the field by their provenience unit and returned to the laboratory for washing, cataloguing and analysis.

4) NRWF-17 (BhFt-9) has been identified as a post-1830 historic Euro-Canadian site where it is not clearly evident that Stage 4 mitigation of impacts will be required, the test unit excavation strategy should follow Table 3.1, Standards 1 and 2. Specifically, test units should be excavated at five metre intervals with 20% infill units placed in areas of interest around the site.

5) Site specific archival research to supplement the previous background study concerning the 19th century land use and occupation history specific to NRWF-17 (BhFt-9) should also be conducted as part of the Stage 3 assessment.

6) NRWF-17 (BhFt-9) is situated within the limits of the Project final draft layout and, therefore, will require Stage 3 archaeological assessment prior to any development impacts for the Project. However, in order to allow construction activities to proceed in other portions of the Project study area, appropriate measures must be taken in order to protect NRWF-17 (BhFt-9). These protective measures, along with a recommendation for partial clearance of the remainder of the project area (as defined in Section 2.0 of the present report) have been outlined in Section 5.12 below. Should project redesign after submission of the REA allow for long term protection and avoidance, those details are provided in in Section 5.13 below.

1.13 NRWF-21 (BhFs-8)
1) NRWF-21 (BhFs-8) possesses Cultural Heritage Value or Interest and the site should be subject to a Stage 3 site-specific archaeological assessment prior to any development impacts.

2) The Stage 3 assessment should employ both the controlled surface pick-up and hand excavated test unit methodology, as outlined in Sections 3.2 and Table 3.1 of the MTCS' Standards and Guidelines for Consultant Archaeologists (MTCS 2011). Prior to conducting the field work, the area will need to be re-ploughed and allowed to weather with at least 80% surface visibility for the controlled surface pick-up. The test unit excavation should consist of one metre by one metre square test units laid out in a systematic grid.

3) All units should be excavated into the first five centimetres of subsoil unless a cultural feature is uncovered. Any features identified during the Stage 3 assessment should have their plan view drawn; each feature should be covered with geotextile fabric prior to backfilling. All soil excavated from the test units will be screened through six millimetre hardware cloth to facilitate the recovery of artifacts that may be present. The recovered artifacts will be tagged in the field by their provenience unit and returned to the laboratory for washing, cataloguing and analysis.

4) Since NRWF-21 (BhFs-8) has been identified as a post-1830 historic Euro-Canadian site where it is not clearly evident that Stage 4 mitigation of impacts will be required, the test unit excavation strategy should follow Table 3.1, Standards 1 and 2. Specifically, test units should be excavated at five metre intervals with 20% infill units placed in areas of interest around the site.

5) Site specific archival research to supplement the previous background study concerning the 19th century land use and occupation history specific to NRWF-21 (BhFs-8) should also be conducted as part of the Stage 3 assessment.

6) NRWF-21 (BhFs-8) is situated more than 70 metres from the Project final draft layout; therefore, Stage 3 archaeological assessment as part of the Project is not required at this time. A long-term avoidance and protection strategy for the site has been detailed in Section 5.13 below.

1.14 Partial Clearance

Until such time that the 12 sites recommended for Stage 3 archaeological assessment within the Nation Rise Wind Project study area (i.e., BhFt-2, BhFt-7, BhFt-5, BhFt-10, BgFs-3, BhFt-6, BhFt-8, BgFs-4, and BhFt-9) can undergo Stage 3 site specific archaeological assessments, it is recommended that the remainder of the Project study area where Stage 2 archaeological assessments were performed be granted partial clearance with 20 metre protective buffer zones and 50 metre construction monitoring zones to be established around the extent of the previously mentioned sites.

All sites are located within the Project Location and will be impacted by the planned development. BhFt-4, BhFt-3, and BhFs-8 have also been recommended for Stage 3 but through project redesign will be avoided and now fall outside of the Project Location/planned CDA. Should project redesign not be a viable option and sites BhFt-2, BhFt-7, BhFt-5, BhFt-10, BgFs-3, BhFt-6, BhFt-8, BgFs-4, and BhFt-9 will be impacted during construction, it is anticipated that the Stage 3 assessments may be completed in the Fall of 2017 or Spring of 2018. As part of the short term protective strategy, a protective fence will be erected around the 20 metre buffer for locations BhFt-2, BhFt-7, BhFt-5, BhFt-10, BgFs-3, BhFt-6, BhFt-8, BgFs-4, and BhFt-9, as depicted on Tiles in the Supplemental Documentation. Should construction begin prior to completion of the Stage 3, construction monitoring will be required within locations BhFt-2, BhFt-7, BhFt-5, BhFt-10, BgFs-3, BhFt-6, BhFt-8, BgFs-4, and BhFt-9 within the 50 metre construction monitoring zone and around the protected portion of the site.

The recommendation for partial clearance is to accommodate the need for the proponent to move forward with development activities within that portion of the project area where there are no further concerns for impacts to archaeological sites. Snow fencing is to be erected at 20 metre protective buffer zones for those sites located within the final draft project limits to clearly delineate their boundaries, and a licensed archaeologist must confirm and document the proper placing of the fencing. No ground alteration activities will take place inside of the 20 metre protective zone in order to avoid impacting extant archaeological resources and “no-go” instructions will be issued to all on-site construction crews, engineers, architects or others involved in day-to-day decisions during construction. If initial ground disturbing construction activities intrude into the 50 metre construction monitoring buffer zones, a licensed archaeologist will be brought in to monitor those construction activities and will be empowered to stop construction if there is a concern for impact to an archaeological site. The supplementary documentation includes a letter detailing the proponent’s commitment to observing these restrictions during construction, as well as Tiles depicting the 20 metre protective buffer and 50 metre construction monitoring buffer zones for all appropriate sites.

1.15 Long-Term Avoidance and Protection

Through consultation with the client, it is recommended that BhFt-4, BhFt-3, and BhFs-8 be mitigated through avoidance and long term protection. The 20 metre protective buffer and the 50 metre monitoring buffer fall outside of the proposed Project Location, and as such it will be completely avoided during construction, operation and decommissioning. As BhFt-4, BhFt-3, and BhFs-8 are located completely within private lands, the sites will be avoided long term. To ensure no incidental impacts, long-term protection strategies must also be implemented which will include mapping the avoided and protected area on all project mapping and ensuring that activities within the avoided area remain passive, with the exception of those normal agricultural activities, and must not include minor soil disturbance cause by the proposed undertaking such as tree removal, minor landscaping, utilities installation and similar activities (MTCS 2011, Section 4.1.4, Standard 2).

Should project re-design be a viable option after the final REA has been submitted, and all or portions of sites BhFt-2, BhFt-7, BhFt-5, BhFt-10, BgFs-3, BhFt-6, BhFt-8, BgFs-4, and BhFt-9 be avoided in their entirety (20 metre protective buffer and the 50 metre monitoring buffer) then long term avoidance and protection measures will be put in place. To ensure no incidental impacts, long-term protection strategies

must also be implemented which will include mapping the avoided and protected area on all project mapping and ensuring that activities within the avoided area remain passive, with the exception of those normal agricultural activities, and must not include minor soil disturbance cause by the proposed undertaking such as tree removal, minor landscaping, utilities installation and similar activities (MTCS 2011, Section 4.1.4, Standard 2).

Summary

The above recommendations determined that 12 sites require further Stage 3 assessment, and 9 sites require no further archaeological work. While all of these sites were documented during the archaeological field work conducted within the Project study area, not all of these sites will be impacted by the construction of the turbines or infrastructure for this project. Therefore, only those sites recommended for Stage 3 archaeological assessment that are to be impacted by construction activities will be subjected to Stage 3 archaeological assessment at this time. In addition, as the work completed under this assessment was undertaken prior to the REA submission, components of the Project Location may be dropped thus avoiding sites that were once thought to be impacted. The remainder of the sites avoided by all soil disturbance activities related to the wind farm construction will not be subjected to Stage 3 archaeological assessment at this time.

Table 50 provides a breakdown of Golder's recommendations:
Site Name Borden # PIN # Cultural Affiliation Impacted by Infrastructure Stage 3 Recommended
NRWF-01 BhFt-2 601070110 Historic Euro-Canadian No Yes
NRWF-02 601040135 Historic Euro-Canadian Yes No
NRWF-03 601010062 Historic Euro-Canadian Yes No
NRWF-04 BhFt-4 601000161 Historic Euro-Canadian No Yes
NRWF-05 BhFt-3 601000161 Historic Euro-Canadian No Yes
NRWF-06 BhFt-7 601000161 Historic Euro-Canadian Yes Yes
NRWF-07 BhFt-5 601010069 Historic Euro-Canadian Yes Yes
NRWF-08 601010069 Historic Euro-Canadian Yes No
NRWF-09 601020081 Natural Stone Yes No
NRWF-10 BgFs-3 601020081 Historic Euro-Canadian Yes Yes
NRWF-11 601090101 Historic Euro-Canadian Yes No
NRWF-12 BhFt-6 601000107 Historic Euro-Canadian Yes Yes
NRWF-13 601010069 Historic Euro-Canadian Yes No
NRWF-14 BhFt-8 601060076 Historic Euro-Canadian Yes Yes
NRWF-15 601020053 Historic Euro-Canadian Yes No
NRWF-16 BgFs-4 601030077 Historic Euro-Canadian Yes No
NRWF-17 BhFt-9 601010086 Historic Euro-Canadian Yes Yes
NRWF-18 601050139 Historic Euro-Canadian Yes No
NRWF-19 601050138 Historic Euro-Canadian Yes No
NRWF-20 601000191 Historic Euro-Canadian Yes No
NRWF-21 BhFs-8 601060340 Historic Euro-Canadian No Yes

Table 50: Recommendations for Further Stage 3 Assessment

Archaeological sites recommended for further archaeological fieldwork or protection remain subject to Section 48 (1) of the Ontario Heritage Act and may not be altered, or have artifacts removed from them, except by a person holding an archaeological license (Government of Ontario 1990a).

Based on the information contained in the report, the ministry is satisfied that the fieldwork and reporting for the archaeological assessment are consistent with the ministry's 2011 Standards and Guidelines for Consultant Archaeologists and the terms and conditions for archaeological licences. This report has been entered into the Ontario Public Register of Archaeological Reports. Please note that the ministry makes no representation or warranty as to the completeness, accuracy or quality of reports in the register.

Should you require any further information regarding this matter, please feel free to contact me.

Sincerely,

Shari, Prowse
Archaeology Review Officer

cc. Archaeology Licensing Officer
Kenneth Little,EDP Renewables Canada Ltd.
TBD TBD,MInistry of the Environment and Climate Change

[1]This letter constitutes the Ministry of Tourism, Culture and Sport's written comments where required pursuant to section 22 of O. Reg. 359/09, as amended (Renewable Energy Approvals under the Environmental Protection Act), regarding the archaeological assessment undertaken for the above-captioned project. Depending on the study area and scope of work of the archaeological assessment as detailed in the report, further archaeological assessment reports may be required to complete the archaeological assessment for the project under O. Reg. 359/09. In that event Ministry comments pursuant to section 22 of O. Reg. 359/09 will be required for any such additional reports.

[2]In no way will the ministry be liable for any harm, damages, costs, expenses, losses, claims or actions that may result: (a) if the Report(s) or its recommendations are discovered to be inaccurate, incomplete, misleading or fraudulent; or (b) from the issuance of this letter. Further measures may need to be taken in the event that additional artifacts or archaeological sites are identified or the Report(s) is otherwise found to be inaccurate, incomplete, misleading or fraudulent.

Drouin, Bradley

From: Archaeology (MTCS) <archaeology@ontario.ca>
Sent: Monday, August 08, 2016 3:48 PM
To: Drouin, Bradley
Subject: RE: MOECC Approval authority for Wind Projects

Good Afternoon,

The best thing to do in this situation would be to either put in your email address or simply fill in the required field with unknown@ontario.ca. Once a contact has been assigned, you can email us and we can add a note to the PIF file. You will then be able to update the information when the report is submitted.

Thank you,

Sarah Gletnak

From: Drouin, Bradley [mailto:Bradley_Drouin@golder.com]
Sent: August 8, 2016 3:13 PM
To: Archaeology (MTCS)
Subject: MOECC Approval authority for Wind Projects

Hello,

In discussions with my client, their proposed Wind project has not been assigned a MOECC contact person. How do I deal with this in Past Port when trying to take out a Stage 1 and 2 PIF. Approval authority is a required section.

Any help would be appreciated.

-Brad-

Bradley Drouin (M.A.) | Senior Archaeologist | **Golder Associates Ltd.**
1931 Robertson Road, Ottawa, Ontario, Canada, K2H 5B7
T: +1 (613) 592 9600 | **D:** +1 (613) 592 9600 | **F:** +1 (613) 592 9601 | **C:** +1 (613) 863 7811 | **E:** BDrouin@golder.com | **www.golder.com**

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Drouin, Bradley

From: pastport <pastport@ontario.ca>
Sent: Tuesday, August 09, 2016 10:59 AM
To: Drouin, Bradley
Cc: PastPort@ontario.ca
Subject: PIF Number P311-0305-2016 has been issued / *

Dear Bradley Drouin,

Your Project Information Form submitted for **EDP Renewables Nation Rise Wind Project** on Aug 9, 2016 has been processed and PIF number **P311-0305-2016** has been assigned to your project.

Please keep this PIF number for your records and cite it on all reports and correspondence with the ministry about this project.

The report for this project must be filed with the ministry by **Aug 9, 2017**. Please take note of this date to ensure that you file your report on time. If you miss the deadline and the report becomes overdue you will not be eligible to begin new fieldwork projects.

Please note, a PIF number issued by the ministry does not mean the ministry approves your proposed fieldwork strategies. PIF numbers are used by the ministry to track archaeological fieldwork activity under your licence and to establish a due date by which you must file a report with the ministry that documents the archaeological fieldwork carried out as part of this project.

For more information about PIFs and report filing deadlines, see the ministry's guide to PIFs on our website: www.mtc.gov.on.ca/en/archaeology/PIF_Protocols_EN.pdf

If you have any questions email us at Archaeology@ontario.ca. Please do not reply directly to this email.

Thank you,

Sarah Gletnak
sarah.gletnak@ontario.ca

Drouin, Bradley

From: pastport <pastport@ontario.ca>
Sent: Tuesday, August 09, 2016 12:10 PM
To: Drouin, Bradley
Cc: PastPort@ontario.ca
Subject: Site data search results for P311-0305-2016 / *

Dear Bradley Drouin,

You recently requested help with your Site Data Search for P311-0305-2016: EDP Renewables Nation Rise Wind Project

I've responded to your request. You will find the site data you need either on the Site Data Search page or uploaded as an attachment to P311-0305-2016.

Robert von Bitter

Robert.vonBitter@Ontario.ca

Drouin, Bradley

From: von Bitter, Robert (MTCS) <Robert.vonBitter@ontario.ca>
Sent: Tuesday, August 09, 2016 12:55 PM
To: Drouin, Bradley
Subject: RE: Site data search results for P311-0305-2016 / *

Brad,

I'd be happy to try to do the search for you but could you try sending the shapefile again please? It didn't come through at this end.

Thanks,

Rob

From: Drouin, Bradley [mailto:Bradley_Drouin@golder.com]
Sent: August-09-16 12:37 PM
To: von Bitter, Robert (MTCS)
Cc: PastPort (MTCS)
Subject: RE: Site data search results for P311-0305-2016 / *

Thanks for the quick response Rob.

I was wondering if you could do a second search? As the planned Wind Project is split by the South Nation River I'd like to get a better sense of site locations along the river to help refine our potential.

I've included a shapefile of the South Nation River with a 1km buffer that stretches a fair distance on either side of the study area. Would it be possible to get a search of sites in that area as well? If not, ok.

Thanks,

-Brad-

From: pastport [mailto:pastport@ontario.ca]
Sent: Tuesday, August 09, 2016 12:10 PM
To: Drouin, Bradley <Bradley_Drouin@golder.com>
Cc: PastPort@ontario.ca
Subject: Site data search results for P311-0305-2016 / *

Dear Bradley Drouin,

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I've responded to your request. You will find the site data you need either on the Site Data Search page or uploaded as an attachment to P311-0305-2016.

Robert von Bitter

Robert.vonBitter@Ontario.ca

Drouin, Bradley

From: von Bitter, Robert (MTCS) <Robert.vonBitter@ontario.ca>
Sent: Tuesday, August 09, 2016 2:18 PM
To: Drouin, Bradley
Subject: RE: sites within 200 m of 1 km buff RE: Site data search results for P311-0305-2016 / *
Attachments: DrouinSouthRiver200m.dbf; DrouinSouthRiver200m.prj; DrouinSouthRiver200m.sbn; DrouinSouthRiver200m.sbx; DrouinSouthRiver200m.shp; DrouinSouthRiver200m.shp.xml; DrouinSouthRiver200m.shx

---

From: von Bitter, Robert (MTCS)
Sent: August-09-16 2:17 PM
To: 'Drouin, Bradley'
Subject: sites within 200 m of 1 km buff RE: Site data search results for P311-0305-2016 / *

Brad,

O.k. here's the info you requested. Hope it helps.

I'll send you a shapefile of this site information in a subsequent email.

Regards,

Rob

From: Drouin, Bradley [mailto:Bradley_Drouin@golder.com]
Sent: August-09-16 1:27 PM
To: von Bitter, Robert (MTCS)
Subject: RE: Site data search results for P311-0305-2016 / *

Sorry about that – see attached.

Thanks!

-Brad-

From: von Bitter, Robert (MTCS) [mailto:Robert.vonBitter@ontario.ca]
Sent: Tuesday, August 09, 2016 12:55 PM
To: Drouin, Bradley <Bradley_Drouin@golder.com>
Subject: RE: Site data search results for P311-0305-2016 / *

Brad,

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Rob

From: Drouin, Bradley [mailto:Bradley_Drouin@golder.com]
Sent: August-09-16 12:37 PM
To: von Bitter, Robert (MTCS)
Cc: PastPort (MTCS)
Subject: RE: Site data search results for P311-0305-2016 / *

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I've included a shapefile of the South Nation River with a 1km buffer that stretches a fair distance on either side of the study area. Would it be possible to get a search of sites in that area as well? If not, ok.

Thanks,

-Brad-

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Sent: Tuesday, August 09, 2016 12:10 PM
To: Drouin, Bradley <Bradley_Drouin@golder.com>
Cc: PastPort@ontario.ca
Subject: Site data search results for P311-0305-2016 / *

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I've responded to your request. You will find the site data you need either on the Site Data Search page or uploaded as an attachment to P311-0305-2016.

Robert von Bitter

Robert.vonBitter@Ontario.ca

Drouin, Bradley

From: von Bitter, Robert (MTCS) <Robert.vonBitter@ontario.ca>
Sent: Tuesday, August 09, 2016 2:17 PM
To: Drouin, Bradley
Subject: sites within 200 m of 1 km buff RE: Site data search results for P311-0305-2016 / *
Attachments: drouin - south map.jpg; Drouin - north map.jpg; DrouinSouthRiver200m.xlsx

Brad,

O.k. here's the info you requested. Hope it helps.

I'll send you a shapefile of this site information in a subsequent email.

Regards,

Rob

From: Drouin, Bradley [mailto:Bradley_Drouin@golder.com]
Sent: August-09-16 1:27 PM
To: von Bitter, Robert (MTCS)
Subject: RE: Site data search results for P311-0305-2016 / *

Sorry about that – see attached.

Thanks!

-Brad-

From: von Bitter, Robert (MTCS) [mailto:Robert.vonBitter@ontario.ca]
Sent: Tuesday, August 09, 2016 12:55 PM
To: Drouin, Bradley <Bradley_Drouin@golder.com>
Subject: RE: Site data search results for P311-0305-2016 / *

Brad,

I'd be happy to try to do the search for you but could you try sending the shapefile again please? It didn't come through at this end.

Thanks,

Rob

From: Drouin, Bradley [mailto:Bradley_Drouin@golder.com]
Sent: August-09-16 12:37 PM
To: von Bitter, Robert (MTCS)
Cc: PastPort (MTCS)
Subject: RE: Site data search results for P311-0305-2016 / *

Thanks for the quick response Rob.

I was wondering if you could do a second search? As the planned Wind Project is split by the South Nation River I'd like to get a better sense of site locations along the river to help refine our potential.

I've included a shapefile of the South Nation River with a 1km buffer that stretches a fair distance on either side of the study area. Would it be possible to get a search of sites in that area as well? If not, ok.

Thanks,

-Brad-

From: pastport [mailto:pastport@ontario.ca]
Sent: Tuesday, August 09, 2016 12:10 PM
To: Drouin, Bradley <Bradley_Drouin@golder.com>
Cc: PastPort@ontario.ca
Subject: Site data search results for P311-0305-2016 / *

Dear Bradley Drouin,

You recently requested help with your Site Data Search for P311-0305-2016: EDP Renewables Nation Rise Wind Project

I've responded to your request. You will find the site data you need either on the Site Data Search page or uploaded as an attachment to P311-0305-2016.

Robert von Bitter

Robert.vonBitter@Ontario.ca

Drouin, Bradley

From: pastport <pastport@ontario.ca>
Sent: Friday, September 30, 2016 2:29 PM
To: Drouin, Bradley
Cc: PastPort@ontario.ca
Subject: Your report package is being screened for completeness - P311-0305-2016 / *

Dear Bradley Drouin,

The ministry has received your project report package associated with PIF number P311-0305-2016 submitted on Sep 30, 2016.

We are now screening this report package to make sure it is complete and accurate. This process may take up to 10 business days.

Please note that your report filing due date will only be met once the report package passes the screening.

If the report package does not pass the screening before the due date, the report will become overdue and you will not be eligible to begin new fieldwork projects (submit new PIFs).

When the report passes the screening, the report will be considered 'filed'. Once this happens, you will receive an email to let you know. We will then either add the report to our queue to be reviewed or enter it into the *Ontario Public Register of Archaeological Reports* without technical review.

Please do not reply to this e-mail. The message will be undeliverable and we are unable to respond from this address.

If you have any questions about this report email us at:Archaeology@ontario.ca

Drouin, Bradley

From: pastport <pastport@ontario.ca>
Sent: Friday, September 30, 2016 2:36 PM
To: Drouin, Bradley
Cc: PastPort@ontario.ca
Subject: Expedited Review Request Received / *

Dear Bradley Drouin,

The ministry has received your request for an expedited review of the Project Report Package for PIF P311-0305-2016 submitted on Sep 30, 2016.

We will review the request and provide a written response within five business days. The response will let you know whether or not the expedited review has been granted and, if so, the estimated date by which a review of the report will be completed.

For more information on Expedited Review Requests, please see the bulletin on Project Information Forms (PIFs) and the Archaeological Report Review Process (available on our website: http://ontario.ca/archaeologystandards).

If you have any questions, please use PastPort's 'Ask a question' feature in the Report module or send an e-mail to Archaeology@ontario.ca. Please do not reply directly to this e-mail.

Drouin, Bradley

From: pastport <pastport@ontario.ca>
Sent: Friday, September 30, 2016 3:04 PM
To: Drouin, Bradley
Cc: PastPort@ontario.ca
Subject: PIF Number P311-0307-2016 has been issued / *

Dear Bradley Drouin,

Your Project Information Form submitted for **Stage 2 Archaeological Assessment Nation Rise Wind Farm Project Various Lots and Concessions Historic Finch Township, United Counties of Stormont, Dundas and Glengarry, Ontario** on Sep 30, 2016 has been processed and PIF number **P311-0307-2016** has been assigned to your project.

Please keep this PIF number for your records and cite it on all reports and correspondence with the ministry about this project.

The report for this project must be filed with the ministry by **Oct 4, 2017**. Please take note of this date to ensure that you file your report on time. If you miss the deadline and the report becomes overdue you will not be eligible to begin new fieldwork projects.

Please note, a PIF number issued by the ministry does not mean the ministry approves your proposed fieldwork strategies. PIF numbers are used by the ministry to track archaeological fieldwork activity under your licence and to establish a due date by which you must file a report with the ministry that documents the archaeological fieldwork carried out as part of this project.

For more information about PIFs and report filing deadlines, see the ministry's guide to PIFs on our website: www.mtc.gov.on.ca/en/archaeology/PIF_Protocols_EN.pdf

If you have any questions email us at Archaeology@ontario.ca. Please do not reply directly to this email.

Thank you,

Tarah Hill
Tarah.Hill@ontario.ca

Drouin, Bradley

From: pastport <pastport@ontario.ca>
Sent: Monday, October 03, 2016 11:57 AM
To: Drouin, Bradley
Cc: PastPort@ontario.ca
Subject: FILED: ARCHAEOLOGICAL REPORT for P311-0305-2016 / *

Dear Bradley Drouin,

The ministry has screened the project report package for P311-0305-2016 that you submitted on Sep 30, 2016 for completeness.

The package is complete and the report is now considered 'filed' with the ministry.

Next, we will either add it to our queue to be reviewed or enter it into the register without technical review.

Please do not reply to this e-mail. The message will be undeliverable and we are unable to respond from this address.

If you have any questions about this report email us at: Archaeology@ontario.ca

Thank you,

Crystal Forrest

crystal.forrest@ontario.ca

Drouin, Bradley

From: pastport <pastport@ontario.ca>
Sent: Monday, October 03, 2016 11:57 AM
To: Drouin, Bradley
Cc: PastPort@ontario.ca
Subject: Expedited Report Review Request Granted / *

Dear Bradley Drouin,

Your request for an expedited review of report number 40140 submitted under Project Information Form P311-0305-2016 on Sep 30, 2016 has been granted.

We expect that the review of this report will be completed by Nov 1, 2016. We have noted the requested review date, and if possible we will attempt to complete the review by this date.

Thank you for your expedited review request. This request has been granted but, depending on the volume of requests, it may take a minimum of 20 business days from the time the ministry grants the request for an expedited review to be completed.

If you have any questions please use PastPort's 'Ask a question' feature in the Report module or send an e-mail to Archaeology@ontario.ca. Please do not reply directly to this e-mail.

Drouin, Bradley

From: pastport <pastport@ontario.ca>
Sent: Thursday, October 27, 2016 11:40 AM
To: Drouin, Bradley
Cc: PastPort@ontario.ca
Subject: Your report package is being screened for completeness - P311-0305-2016 / *

Dear Bradley Drouin,

The ministry has received your project report package associated with PIF number P311-0305-2016 submitted on Oct 27, 2016.

We are now screening this report package to make sure it is complete and accurate. This process may take up to 10 business days.

Please note that your report filing due date will only be met once the report package passes the screening.

If the report package does not pass the screening before the due date, the report will become overdue and you will not be eligible to begin new fieldwork projects (submit new PIFs).

When the report passes the screening, the report will be considered 'filed'. Once this happens, you will receive an email to let you know. We will then either add the report to our queue to be reviewed or enter it into the *Ontario Public Register of Archaeological Reports* without technical review.

Please do not reply to this e-mail. The message will be undeliverable and we are unable to respond from this address.

If you have any questions about this report email us at:Archaeology@ontario.ca

Drouin, Bradley

From: pastport <pastport@ontario.ca>
Sent: Monday, October 31, 2016 2:40 PM
To: Drouin, Bradley
Cc: MOE.ServiceIntegration@ontario.ca; Ken.Little@edpr.com; PastPort@ontario.ca
Subject: ENTERED INTO REGISTER: Archaeological Report for P311-0305-2016 / *
Attachments: ENTERED INTO REGISTER Archaeological Report for P311-0305-2016.pdf

Dear Bradley Drouin,

The ministry has reviewed the Revised report for PIF P311-0305-2016 submitted by you as a condition of your licence.

This report has been deemed compliant with ministry requirements for archaeological fieldwork and reporting. It has been entered into the *Ontario Public Register of Archaeological Reports.* Please refer to the attached letter to see the result of this review.

Note: the ministry makes no representation or warrant as to the completeness, accuracy or quality of reports in the register.

Development proponents and approval authorities: the Ontario Ministry of Tourism, Culture and Sport has copied you on this email as you have been identified by the consultant archaeologist as either the proponent or approval authority for this project.

Please **do not** reply to this e-mail. The message will be undeliverable and we are unable to respond from this address.

If you have any questions about this report email us at: Archaeology@ontario.ca

Thank you,

Shari Prowse

Shari.Prowse@ontario.ca

Drouin, Bradley

From: Prowse, Shari (MTCS) <Shari.Prowse@ontario.ca>
Sent: Friday, February 03, 2017 9:08 AM
To: Drouin, Bradley
Cc: Loturco, Tom; Little, Ken; Roscoe, Nathan; Archaeology (MTCS)
Subject: RE: Nation Rise Wind Farm - alternative assessment strategies

Follow Up Flag: Follow up
Flag Status: Flagged

Thank you Brad,

I acknowledge that we discussed this during our meeting of February 1, 2017 and I agreed with the recommendation that both of these areas would be subject to test pits assessment as per Section 2.1.2 as opposed to ploughing and pedestrian survey as per Section 2.1.1 of the Standards and Guidelines for Consultant Archaeologists.

If you require additional assistance, please get back to me.

From: Drouin, Bradley [mailto:Bradley_Drouin@golder.com]
Sent: February 2, 2017 8:20 AM
To: Prowse, Shari (MTCS)
Cc: Loturco, Tom; Little, Ken; Roscoe, Nathan; Archaeology (MTCS)
Subject: Nation Rise Wind Farm - alternative assessment strategies

Hi Shari,

Thank you again for meeting with Tom, Ken, Nathan and I yesterday. As requested, the following e-mail provides the details regarding the two locations discussed.

1. Turbine 28 contains a small 30m x 30m area that the farmer would like to not plough due to erosion issues. This area is in a seasonally wet drainage channel located along the access road to the turbine (Image 1 - attached). In discussions with the farmer, he indicated that he has not ploughed the land in a long time and has been practicing no-till to prevent unnecessary erosion around this one area (Image 2 – attached). Given that the area is within a seasonally wet area and due to possible adverse effects caused by ploughing this one small portion, it's my professional judgement that shovel testing is an appropriate approach for this one area. In discussions with you yesterday, you were also in agreement of this approach.

2. There is a small area (30m x 35m) of the proposed access road for Turbine 47 that traverses a very low lying esker containing large amounts of cobbles with some boulders (Image 3 - attached). Due to the large amount of rocks, the farmer has not ploughed this area for decades and is worried that ploughing would bring to the surface more large rocks and make future planting and harvesting extremely difficult. The visibility is somewhere between 60 – 80% and is mostly bean stubble. As such, shovel testing at 5 metre intervals accompanied by a pedestrian survey should identify any artifacts, if present. In discussions with you yesterday, you were also in agreement of this approach.

The areas represent approximately 2% of the total area to be assessed for each of the Turbine Locations.

Please review and let me know if you require any further information.

-Brad-

Bradley Drouin (M.A.) | Senior Archaeologist | **Golder Associates Ltd.**
1931 Robertson Road, Ottawa, Ontario, Canada, K2H 5B7
T: +1 (613) 592 9600 | **D:** +1 (613) 592 9600 | **F:** +1 (613) 592 9601 | **C:** +1 (613) 863 7811 | **E:** BDrouin@golder.com | **www.golder.com**

Work Safe, Home Safe

This email transmission is confidential and may contain proprietary information for the exclusive use of the intended recipient. Any use, distribution or copying of this transmission, other than by the intended recipient, is strictly prohibited. If you are not the intended recipient, please notify the sender and delete all copies. Electronic media is susceptible to unauthorized modification, deterioration, and incompatibility. Accordingly, the electronic media version of any work product may not be relied upon.

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Drouin, Bradley

From: pastport <pastport@ontario.ca>
Sent: Friday, February 03, 2017 2:28 PM
To: Drouin, Bradley
Cc: PastPort@ontario.ca
Subject: RECEIVED: your Site Record for BhFt-2 / *

The ministry has received your Site Record for BhFt-2 submitted on Fri Feb 03 14:28:15 EST 2017.

This site form is now InDatabase-AwaitingMinistryReview.

The PIF number associated with this form is: P311-0307-2016.

Please do not reply to this e-mail. The message will be undeliverable and we are unable to respond from this address.

If you have any questions about this message email us at: Archaeology@ontario.ca.

Drouin, Bradley

From: pastport <pastport@ontario.ca>
Sent: Monday, February 27, 2017 1:56 PM
To: Drouin, Bradley
Cc: PastPort@ontario.ca
Subject: PIF Number P311-0310-2017 has been issued / *

Dear Bradley Drouin,

Your Project Information Form submitted for **Nation Rise Wind Farm Project** on Feb 27, 2017 has been processed and PIF number **P311-0310-2017** has been assigned to your project.

Please keep this PIF number for your records and cite it on all reports and correspondence with the ministry about this project.

The report for this project must be filed with the ministry by **Feb 27, 2018**. Please take note of this date to ensure that you file your report on time. If you miss the deadline and the report becomes overdue you will not be eligible to begin new fieldwork projects.

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If you have any questions email us at Archaeology@ontario.ca. Please do not reply directly to this email.

Thank you,

Sarah Gletnak
sarah.gletnak@ontario.ca

Drouin, Bradley

From: pastport <pastport@ontario.ca>
Sent: Monday, February 27, 2017 2:46 PM
To: Drouin, Bradley
Cc: PastPort@ontario.ca
Subject: Site data search results for P311-0310-2017 / *

Dear Bradley Drouin,

You recently requested help with your Site Data Search for P311-0310-2017: Nation Rise Wind Farm Project

I've responded to your request. You will find the site data you need either on the Site Data Search page or uploaded as an attachment to P311-0310-2017.

Brad, No reported sites are showing up within 1 km of this project. Regards, Rob vB

Robert von Bitter

robert.vonbitter@Ontario.ca

Drouin, Bradley

From: pastport <pastport@ontario.ca>
Sent: Friday, March 17, 2017 1:57 PM
To: Drouin, Bradley
Cc: PastPort@ontario.ca
Subject: Your report package is being screened for completeness - P311-0310-2017 / *

Dear Bradley Drouin,

The ministry has received your project report package associated with PIF number P311-0310-2017 submitted on Mar 17, 2017.

We are now screening this report package to make sure it is complete and accurate. This process may take up to 10 business days.

Please note that your report filing due date will only be met once the report package passes the screening.

If the report package does not pass the screening before the due date, the report will become overdue and you will not be eligible to begin new fieldwork projects (submit new PIFs).

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If you have any questions about this report email us at:Archaeology@ontario.ca

Drouin, Bradley

From: pastport <pastport@ontario.ca>
Sent: Tuesday, March 28, 2017 4:01 PM
To: Drouin, Bradley
Cc: PastPort@ontario.ca
Subject: FILED: ARCHAEOLOGICAL REPORT for P311-0310-2017 / *

Dear Bradley Drouin,

The ministry has screened the project report package for P311-0310-2017 that you submitted on Mar 17, 2017 for completeness.

The package is complete and the report is now considered 'filed' with the ministry.

Next, we will either add it to our queue to be reviewed or enter it into the register without technical review.

Please do not reply to this e-mail. The message will be undeliverable and we are unable to respond from this address.

If you have any questions about this report email us at: Archaeology@ontario.ca

Thank you,

Crystal Forrest

crystal.forrest@ontario.ca

Drouin, Bradley

From: pastport <pastport@ontario.ca>
Sent: Friday, March 31, 2017 8:54 AM
To: Drouin, Bradley
Cc: PastPort@ontario.ca
Subject: Expedited Review Request Received / *

Dear Bradley Drouin,

The ministry has received your request for an expedited review of the Project Report Package for PIF P311-0310-2017 submitted on Mar 31, 2017.

We will review the request and provide a written response within five business days. The response will let you know whether or not the expedited review has been granted and, if so, the estimated date by which a review of the report will be completed.

For more information on Expedited Review Requests, please see the bulletin on Project Information Forms (PIFs) and the Archaeological Report Review Process (available on our website: http://ontario.ca/archaeologystandards).

If you have any questions, please use PastPort's 'Ask a question' feature in the Report module or send an e-mail to Archaeology@ontario.ca. Please do not reply directly to this e-mail.

Drouin, Bradley

From: pastport <pastport@ontario.ca>
Sent: Friday, March 31, 2017 1:46 PM
To: Drouin, Bradley
Cc: PastPort@ontario.ca
Subject: Expedited Report Review Request Granted / *

Dear Bradley Drouin,

Your request for an expedited review of report number 41758 submitted under Project Information Form P311-0310-2017 on Mar 31, 2017 has been granted.

We expect that the review of this report will be completed by May 2, 2017. We have noted the requested review date, and if possible we will attempt to complete the review by this date.

If you have any questions please use PastPort's 'Ask a question' feature in the Report module or send an e-mail to Archaeology@ontario.ca. Please do not reply directly to this e-mail.

Drouin, Bradley

From: Holthof, Benjamin
Sent: Thursday, April 06, 2017 11:12 AM
To: Karla.Barboza@ontario.ca
Cc: Drouin, Bradley
Subject: Nation Rise Wind Farm REA HIA
Attachments: 1655180 EDP Renewables Heritage Impact Assessment 29Mar17.pdf

Good Morning Karla
Golder Associates is pleased to provide for review this electronic transmission of the Heritage Impact Assessment for the Nation Rise Wind Farm Project REA in North Stormont Township.
I am the cultural heritage specialist who completed this report and am the cultural heritage contact on this for Golder. We would like to submit an approved report to EFP Renewables in one month, is this a sufficient timeframe for the Ministry to review the report?

Thank you. If you have any questions or concerns please feel free to contact me.

Ben Holthof

Benjamin Holthof (MPl, MMA, CAHP) | Cultural Heritage Specialist | **Golder Associates Ltd.**
683 Innovation Drive, Unit 1, Kingston, Ontario, Canada K7K 7E6
T: +1 (613) 542 0029 x5203 | **C:** +1 (613) 328-5598 | **F:** +1 (613) 542-0689
E: Benjamin_Holthof@golder.com | **www.golder.com**

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Please consider the environment before printing this email.

Drouin, Bradley

From: Holthof, Benjamin
Sent: Tuesday, April 18, 2017 10:08 AM
To: Drouin, Bradley
Subject: FW: Nation Rise Wind Farm REA HIA MTCS Comments
Attachments: REA-MTCScomments.pdf

Good morning Brad
We have received a comments letter from MTCS on the Nation Rise HIA (attached). It looks like the ministry is satisfied with the report.

Ben

From: Herczeg, Brooke (MTCS) [mailto:Brooke.Herczeg@ontario.ca]
Sent: April-18-17 9:55 AM
To: Holthof, Benjamin <Benjamin_Holthof@golder.com>; Hamilton, James (MTCS) <James.Hamilton@ontario.ca>; Goyette, Dolly (MOECC) <Dolly.Goyette@ontario.ca>; Ken.Little@edpr.com; Nathan.Roscoe@edpr.com
Subject: Nation Rise Wind Farm REA HIA MTCS Comments

Good morning Mr. Holthof,

I have reviewed the Nation Rise Wind Farm REA HIA and attached my comments. I would also recommend that the community planner with the township of North Stormont be made aware of these eighteen (18) newly identified properties of cultural heritage value or interest, the complied research may be helpful in the future.

Sincerely,

Brooke

Brooke Herczeg MPL
Heritage Planner
Heritage Program | Programs and Services Branch | Ministry of Tourism, Culture and Sport
401 Bay Street Suite 1700 Toronto ON M7A 0A7
Tel. 416.314.7133| email: Brooke.Herczeg@ontario.ca

Drouin, Bradley

From: pastport <pastport@ontario.ca>
Sent: Tuesday, April 25, 2017 2:44 PM
To: Drouin, Bradley
Cc: TBD@moecc.ca; Ken.Little@edpr.com; PastPort@ontario.ca
Subject: ENTERED INTO REGISTER: Archaeological Report for P311-0310-2017 / *
Attachments: ENTERED INTO REGISTER Archaeological Report for P311-0310-2017.pdf

Dear Bradley Drouin,

The ministry has reviewed the Original report for PIF P311-0310-2017 submitted by you as a condition of your licence.

This report has been deemed compliant with ministry requirements for archaeological fieldwork and reporting. It has been entered into the *Ontario Public Register of Archaeological Reports.* Please refer to the attached letter to see the result of this review.

Note: the ministry makes no representation or warrant as to the completeness, accuracy or quality of reports in the register.

Development proponents and approval authorities: the Ontario Ministry of Tourism, Culture and Sport has copied you on this email as you have been identified by the consultant archaeologist as either the proponent or approval authority for this project.

Please **do not** reply to this e-mail. The message will be undeliverable and we are unable to respond from this address.

If you have any questions about this report email us at: Archaeology@ontario.ca

Thank you,

Shari Prowse

Shari.Prowse@ontario.ca

Drouin, Bradley

From: pastport <pastport@ontario.ca>
Sent: Monday, May 01, 2017 11:25 AM
To: Drouin, Bradley
Cc: PastPort@ontario.ca
Subject: BORDEN NUMBER: BhFt-3, P311-0307-2016 / *

The ministry has received your Site Record for BhFt-3 submitted on Mon May 01 11:25:28 EDT 2017.

This Site Record now has the status of InDatabase-PendingCompletion.

Please do not reply to this e-mail. The message will be undeliverable and we are unable to respond from this address.

If you have any questions about this message email us at: Archaeology@ontario.ca.

Drouin, Bradley

From: pastport <pastport@ontario.ca>
Sent: Monday, May 01, 2017 11:57 AM
To: Drouin, Bradley
Cc: PastPort@ontario.ca
Subject: BORDEN NUMBER: BhFt-4, P311-0307-2016 / *

The ministry has received your Site Record for BhFt-4 submitted on Mon May 01 11:57:16 EDT 2017.

This Site Record now has the status of InDatabase-PendingCompletion.

Please do not reply to this e-mail. The message will be undeliverable and we are unable to respond from this address.

If you have any questions about this message email us at: Archaeology@ontario.ca.

Drouin, Bradley

From: pastport <pastport@ontario.ca>
Sent: Thursday, May 04, 2017 4:52 PM
To: Drouin, Bradley
Cc: PastPort@ontario.ca
Subject: BORDEN NUMBER: BhFt-5, P311-0307-2016 / *

The ministry has received your Site Record for BhFt-5 submitted on Thu May 04 16:52:15 EDT 2017.

This Site Record now has the status of InDatabase-PendingCompletion.

Please do not reply to this e-mail. The message will be undeliverable and we are unable to respond from this address.

If you have any questions about this message email us at: Archaeology@ontario.ca.

Drouin, Bradley

From: pastport <pastport@ontario.ca>
Sent: Friday, May 05, 2017 9:36 AM
To: Drouin, Bradley
Cc: PastPort@ontario.ca
Subject: BORDEN NUMBER: BgFs-3, P311-0307-2016 / *

The ministry has received your Site Record for BgFs-3 submitted on Fri May 05 09:36:03 EDT 2017.

This Site Record now has the status of InDatabase-PendingCompletion.

Please do not reply to this e-mail. The message will be undeliverable and we are unable to respond from this address.

If you have any questions about this message email us at: Archaeology@ontario.ca.

Drouin, Bradley

From: Prowse, Shari (MTCS) <Shari.Prowse@ontario.ca>
Sent: Friday, May 05, 2017 11:23 AM
To: Drouin, Bradley
Cc: Archaeology (MTCS)
Subject: RE: Request for advice - PIF P311-0307-2016 - Nation Rise Wind Farm

Hi Brad,

Given the situation we will accept a test pit assessment for this area as per Section 2.1.2 Standard 1.

Please submit a copy of this correspondence with your report package.

As a standard part of all advice provided to licensees, please note that this advice has been provided by MTCS under the assumption that the information submitted by the licensed archaeologist is complete and accurate. The advice provided applies only to the project in question and is not to be used as a precedent for future projects. Further measures may need to be taken in the event that additional artifacts or archaeological sites are identified or if the information provided by the licensed archaeologist is otherwise found to be inaccurate, incomplete, misleading, or fraudulent.

Have a good weekend.

Shari Prowse, MA
Archaeology Review Officer
London, Ontario
(519) 675-6898

From: Drouin, Bradley [mailto:Bradley_Drouin@golder.com]
Sent: May 5, 2017 10:47 AM
To: Archaeology (MTCS)
Cc: Prowse, Shari (MTCS)
Subject: Request for advice - PIF P311-0307-2016 - Nation Rise Wind Farm

Hi Shari/MTCS,

Thanks for taking my call, please find below the details regarding the shovel testing along two proposed access roads on a turbine location for the Nation Rise Wind Farm project (P311-0307-2016).

On May 4th, 2017 one of our Professionally Licensed archaeologists (Stephen Jarrett – P385) met with the landowner for Turbine 47. The area in question is located within a low lying esker and contains an abundance of gravel and cobbles. During that site visit, the farmer indicated that the area (highlighted in green in image 1 below) has not been ploughed in decades due to the high gravel and cobble content (images 2 and 3 below). The visibility is somewhere between 60 – 80% and is combination of corn with some bean stubble. As per section 2.1.2 Standard 1 – in this circumstance, ploughing is not a viable option. As such, we are proposing to test pit the two areas highlighted in green at 5 metre intervals accompanied by a pedestrian survey as per Section 2.1.1 at 5 metre intervals.

For context, the east access road area to be shovel tested is approximately 1.1 hectares, while the western access road option is 1.3 hectares. Total turbine ha is approximately 9.4 ha.

Please let me know if this approach is acceptable to the MTCS. We have tentatively schedule a crew for Tuesday to begin with this work.

Image 1: Green is area recommended for shovel testing, red will be assessed through pedestrian survey



Image 2: Example of gravel and cobble along esker



Image 3: Another example of the high gravel and cobble content



Thank you for your time and all the best,

-Brad-

Bradley Drouin (M.A.) | Senior Archaeologist | **Golder Associates Ltd.**
1931 Robertson Road, Ottawa, Ontario, Canada, K2H 5B7
T: +1 (613) 592 9600 | **D:** +1 (613) 592 9600 | **F:** +1 (613) 592 9601 | **C:** +1 (613) 863 7811 | **E:** BDrouin@golder.com | **www.golder.com**

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Drouin, Bradley

From: pastport <pastport@ontario.ca>
Sent: Wednesday, May 24, 2017 1:37 PM
To: Drouin, Bradley
Cc: PastPort@ontario.ca
Subject: PIF Number P311-0313-2017 has been issued / *

Dear Bradley Drouin,

Your Project Information Form submitted for **Stage 2 Archaeological Assessment Nation Rise Wind Farm Project, Various Lots and Concessions, Historic Finch Township, United Counties of Stormont, Dundas and Glengarry, Ontario** on May 24, 2017 has been processed and PIF number **P311-0313-2017** has been assigned to your project.

Please keep this PIF number for your records and cite it on all reports and correspondence with the ministry about this project.

The report for this project must be filed with the ministry by **May 25, 2018**. Please take note of this date to ensure that you file your report on time. If you miss the deadline and the report becomes overdue you will not be eligible to begin new fieldwork projects.

Please note, a PIF number issued by the ministry does not mean the ministry approves your proposed fieldwork strategies. PIF numbers are used by the ministry to track archaeological fieldwork activity under your licence and to establish a due date by which you must file a report with the ministry that documents the archaeological fieldwork carried out as part of this project.

For more information about PIFs and report filing deadlines, see the ministry's guide to PIFs on our website: www.mtc.gov.on.ca/en/archaeology/PIF_Protocols_EN.pdf

If you have any questions email us at Archaeology@ontario.ca. Please do not reply directly to this email.

Thank you,

Sarah Gletnak
sarah.gletnak@ontario.ca

Drouin, Bradley

From: pastport <pastport@ontario.ca>
Sent: Friday, June 23, 2017 2:22 PM
To: Drouin, Bradley
Cc: PastPort@ontario.ca
Subject: RECEIVED: your Site Record for BgFs-3 / *

The ministry has received your Site Record for BgFs-3 submitted on Fri Jun 23 14:21:47 EDT 2017.

This site form is now InDatabase-AwaitingMinistryReview.

The PIF number associated with this form is: P311-0307-2016.

Please do not reply to this e-mail. The message will be undeliverable and we are unable to respond from this address.

If you have any questions about this message email us at: Archaeology@ontario.ca.

Drouin, Bradley

From: pastport <pastport@ontario.ca>
Sent: Friday, June 23, 2017 2:35 PM
To: Drouin, Bradley
Cc: PastPort@ontario.ca
Subject: RECEIVED: your Site Record for BhFt-4 / *

The ministry has received your Site Record for BhFt-4 submitted on Fri Jun 23 14:34:37 EDT 2017.

This site form is now InDatabase-AwaitingMinistryReview.

The PIF number associated with this form is: P311-0307-2016.

Please do not reply to this e-mail. The message will be undeliverable and we are unable to respond from this address.

If you have any questions about this message email us at: Archaeology@ontario.ca.

Drouin, Bradley

From: pastport <pastport@ontario.ca>
Sent: Friday, June 23, 2017 2:45 PM
To: Drouin, Bradley
Cc: PastPort@ontario.ca
Subject: RECEIVED: your Site Record for BhFt-3 / *

The ministry has received your Site Record for BhFt-3 submitted on Fri Jun 23 14:44:48 EDT 2017.

This site form is now InDatabase-AwaitingMinistryReview.

The PIF number associated with this form is: P311-0307-2016.

Please do not reply to this e-mail. The message will be undeliverable and we are unable to respond from this address.

If you have any questions about this message email us at: Archaeology@ontario.ca.

Drouin, Bradley

From: pastport <pastport@ontario.ca>
Sent: Friday, June 23, 2017 2:53 PM
To: Drouin, Bradley
Cc: PastPort@ontario.ca
Subject: RECEIVED: your Site Record for BhFt-7 / *

The ministry has received your Site Record for BhFt-7 submitted on Fri Jun 23 14:52:31 EDT 2017.

This site form is now InDatabase-AwaitingMinistryReview.

The PIF number associated with this form is: P311-0307-2016.

Please do not reply to this e-mail. The message will be undeliverable and we are unable to respond from this address.

If you have any questions about this message email us at: Archaeology@ontario.ca.

Drouin, Bradley

From: pastport <pastport@ontario.ca>
Sent: Friday, June 23, 2017 3:09 PM
To: Drouin, Bradley
Cc: PastPort@ontario.ca
Subject: RECEIVED: your Site Record for BhFt-5 / *

The ministry has received your Site Record for BhFt-5 submitted on Fri Jun 23 15:09:11 EDT 2017.

This site form is now InDatabase-AwaitingMinistryReview.

The PIF number associated with this form is: P311-0307-2016.

Please do not reply to this e-mail. The message will be undeliverable and we are unable to respond from this address.

If you have any questions about this message email us at: Archaeology@ontario.ca.

Drouin, Bradley

From: pastport <pastport@ontario.ca>
Sent: Friday, June 23, 2017 3:25 PM
To: Drouin, Bradley
Cc: PastPort@ontario.ca
Subject: RECEIVED: your Site Record for BhFt-6 / *

The ministry has received your Site Record for BhFt-6 submitted on Fri Jun 23 15:25:20 EDT 2017.

This site form is now InDatabase-AwaitingMinistryReview.

The PIF number associated with this form is: P311-0307-2016.

Please do not reply to this e-mail. The message will be undeliverable and we are unable to respond from this address.

If you have any questions about this message email us at: Archaeology@ontario.ca.

Drouin, Bradley

From: pastport <pastport@ontario.ca>
Sent: Friday, June 23, 2017 3:41 PM
To: Drouin, Bradley
Cc: PastPort@ontario.ca
Subject: RECEIVED: your Site Record for BhFt-8 / *

The ministry has received your Site Record for BhFt-8 submitted on Fri Jun 23 15:41:28 EDT 2017.

This site form is now InDatabase-AwaitingMinistryReview.

The PIF number associated with this form is: P311-0307-2016.

Please do not reply to this e-mail. The message will be undeliverable and we are unable to respond from this address.

If you have any questions about this message email us at: Archaeology@ontario.ca.

Drouin, Bradley

From: pastport <pastport@ontario.ca>
Sent: Friday, June 23, 2017 3:46 PM
To: Drouin, Bradley
Cc: PastPort@ontario.ca
Subject: RECEIVED: your Site Record for BgFs-4 / *

The ministry has received your Site Record for BgFs-4 submitted on Fri Jun 23 15:45:39 EDT 2017.

This site form is now InDatabase-AwaitingMinistryReview.

The PIF number associated with this form is: P311-0307-2016.

Please do not reply to this e-mail. The message will be undeliverable and we are unable to respond from this address.

If you have any questions about this message email us at: Archaeology@ontario.ca.

Drouin, Bradley

From: pastport <pastport@ontario.ca>
Sent: Friday, June 23, 2017 3:53 PM
To: Drouin, Bradley
Cc: PastPort@ontario.ca
Subject: RECEIVED: your Site Record for BhFt-9 / *

The ministry has received your Site Record for BhFt-9 submitted on Fri Jun 23 15:53:15 EDT 2017.

This site form is now InDatabase-AwaitingMinistryReview.

The PIF number associated with this form is: P311-0307-2016.

Please do not reply to this e-mail. The message will be undeliverable and we are unable to respond from this address.

If you have any questions about this message email us at: Archaeology@ontario.ca.

Drouin, Bradley

From: pastport <pastport@ontario.ca>
Sent: Friday, June 23, 2017 4:03 PM
To: Drouin, Bradley
Cc: PastPort@ontario.ca
Subject: RECEIVED: your Site Record for BhFs-8 / *

The ministry has received your Site Record for BhFs-8 submitted on Fri Jun 23 16:03:27 EDT 2017.

This site form is now InDatabase-AwaitingMinistryReview.

The PIF number associated with this form is: P311-0307-2016.

Please do not reply to this e-mail. The message will be undeliverable and we are unable to respond from this address.

If you have any questions about this message email us at: Archaeology@ontario.ca.

Drouin, Bradley

From: pastport <pastport@ontario.ca>
Sent: Monday, June 26, 2017 5:10 PM
To: Drouin, Bradley
Cc: PastPort@ontario.ca
Subject: Your report package is being screened for completeness - P311-0313-2017 / *

Dear Bradley Drouin,

The ministry has received your project report package associated with PIF number P311-0313-2017 submitted on Jun 26, 2017.

We are now screening this report package to make sure it is complete and accurate. This process may take up to 10 business days.

Please note that your report filing due date will only be met once the report package passes the screening.

If the report package does not pass the screening before the due date, the report will become overdue and you will not be eligible to begin new fieldwork projects (submit new PIFs).

When the report passes the screening, the report will be considered 'filed'. Once this happens, you will receive an email to let you know. We will then either add the report to our queue to be reviewed or enter it into the *Ontario Public Register of Archaeological Reports* without technical review.

Please do not reply to this e-mail. The message will be undeliverable and we are unable to respond from this address.

If you have any questions about this report email us at:Archaeology@ontario.ca

Drouin, Bradley

From: pastport <pastport@ontario.ca>
Sent: Monday, June 26, 2017 9:31 PM
To: Drouin, Bradley
Cc: PastPort@ontario.ca
Subject: Expedited Review Request Received / *

Dear Bradley Drouin,

The ministry has received your request for an expedited review of the Project Report Package for PIF P311-0313-2017 submitted on Jun 26, 2017.

We will review the request and provide a written response within five business days. The response will let you know whether or not the expedited review has been granted and, if so, the estimated date by which a review of the report will be completed.

For more information on Expedited Review Requests, please see the bulletin on Project Information Forms (PIFs) and the Archaeological Report Review Process (available on our website: http://ontario.ca/archaeologystandards).

If you have any questions, please use PastPort's 'Ask a question' feature in the Report module or send an e-mail to Archaeology@ontario.ca. Please do not reply directly to this e-mail.

Drouin, Bradley

From: Archaeology (MTCS) <archaeology@ontario.ca>
Sent: Tuesday, June 27, 2017 8:22 AM
To: Drouin, Bradley
Subject: RE: P311-0307-2016 and P311-0313-2017

Hi Brad

I went to add the 0307 PIF this morning and PastPort said that there is a draft started so we cannot add it to the new package. Can you please check your draft folder for Report ID: 42629 and delete it?

Once deleted let me know and we can add the PIF on this end.

Thanks,

Tarah

Tarah Hill
Archaeological Licensing Coordinator
Archaeology Program Unit | Ministry of Tourism, Culture and Sport
401 Bay Street, Suite 1700
Toronto, Ontario M7A 0A7
416-212-4019
tarah.hill@ontario.ca



From: Drouin, Bradley [mailto:Bradley_Drouin@golder.com]
Sent: June 26, 2017 5:13 PM
To: Archaeology (MTCS)
Subject: P311-0307-2016 and P311-0313-2017

Hello,

I just submitted a Stage 2 report for the above noted PIFs. However, when I went to submit the report and enter all the details I wasn't able to do under P311-0307-2016. I was only able to enter the report under P311-0313-2017.

I'm pretty sure they are both linked and the report cover and details reference both reports but I just wanted to send this e-mail as an added explanation. If there are any issues please let me know.

I will be submitted an expedited review tomorrow as well.

-Brad-

Bradley Drouin (M.A.) | Senior Archaeologist | **Golder Associates Ltd.**
1931 Robertson Road, Ottawa, Ontario, Canada, K2H 5B7
T: +1 (613) 592 9600 | **D:** +1 (613) 592 9600 | **F:** +1 (613) 592 9601 | **C:** +1 (613) 863 7811 | **E:** BDrouin@golder.com | **www.golder.com**

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Drouin, Bradley

From: Archaeology (MTCS) <archaeology@ontario.ca>
Sent: Tuesday, June 27, 2017 8:57 AM
To: Drouin, Bradley
Subject: RE: P311-0307-2016 and P311-0313-2017

Great thanks! And I just added the PIF to the 0313 report, so now everything should be good to go.

Have a great day!

Tarah

From: Drouin, Bradley [mailto:Bradley_Drouin@golder.com]
Sent: June 27, 2017 8:55 AM
To: Archaeology (MTCS)
Subject: RE: P311-0307-2016 and P311-0313-2017

Morning Tarah,

Thanks for the quick attention! The draft has now been deleted.

All the best,

-Brad-

Bradley Drouin (M.A.) | Senior Archaeologist | **Golder Associates Ltd.**
1931 Robertson Road, Ottawa, Ontario, Canada, K2H 5B7
T: +1 (613) 592 9600 | **D:** +1 (613) 592 9600 | **F:** +1 (613) 592 9601 | **C:** +1 (613) 863 7811 | **E:** BDrouin@golder.com | **www.golder.com**

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From: Archaeology (MTCS) [mailto:archaeology@ontario.ca]
Sent: Tuesday, June 27, 2017 8:22 AM
To: Drouin, Bradley <Bradley_Drouin@golder.com>
Subject: RE: P311-0307-2016 and P311-0313-2017

Hi Brad

I went to add the 0307 PIF this morning and PastPort said that there is a draft started so we cannot add it to the new package. Can you please check your draft folder for Report ID: 42629 and delete it?

Once deleted let me know and we can add the PIF on this end.

Thanks,

Tarah

Tarah Hill
Archaeological Licensing Coordinator
Archaeology Program Unit | Ministry of Tourism, Culture and Sport
401 Bay Street, Suite 1700
Toronto, Ontario M7A 0A7
416-212-4019
tarah.hill@ontario.ca

From: Drouin, Bradley [mailto:Bradley_Drouin@golder.com]
Sent: June 26, 2017 5:13 PM
To: Archaeology (MTCS)
Subject: P311-0307-2016 and P311-0313-2017

Hello,

I just submitted a Stage 2 report for the above noted PIFs. However, when I went to submit the report and enter all the details I wasn't able to do under P311-0307-2016. I was only able to enter the report under P311-0313-2017.

I'm pretty sure they are both linked and the report cover and details reference both reports but I just wanted to send this e-mail as an added explanation. If there are any issues please let me know.

I will be submitted an expedited review tomorrow as well.

-Brad-

Bradley Drouin (M.A.) | Senior Archaeologist | **Golder Associates Ltd.**
1931 Robertson Road, Ottawa, Ontario, Canada, K2H 5B7
T: +1 (613) 592 9600 | **D:** +1 (613) 592 9600 | **F:** +1 (613) 592 9601 | **C:** +1 (613) 863 7811 | **E:** BDrouin@golder.com | **www.golder.com**

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Drouin, Bradley

From: pastport <pastport@ontario.ca>
Sent: Wednesday, June 28, 2017 3:43 PM
To: Drouin, Bradley
Cc: PastPort@ontario.ca
Subject: Expedited Report Review Request Granted / *

Dear Bradley Drouin,

Your request for an expedited review of report number 42689 submitted under Project Information Form P311-0313-2017,P311-0307-2016 on Jun 26, 2017 has been granted.

We expect that the review of this report will be completed by Jul 27, 2017. We have noted the requested review date, and if possible we will attempt to complete the review by this date.

Thank you for your expedited review request. This request has been granted but, depending on the volume of requests, it may take a minimum of 20 business days from the time the ministry grants the request for an expedited review to be completed.

If you have any questions please use PastPort's 'Ask a question' feature in the Report module or send an e-mail to Archaeology@ontario.ca. Please do not reply directly to this e-mail.

Drouin, Bradley

From: pastport <pastport@ontario.ca>
Sent: Wednesday, June 28, 2017 3:43 PM
To: Drouin, Bradley
Cc: PastPort@ontario.ca
Subject: FILED: ARCHAEOLOGICAL REPORT for P311-0313-2017, P311-0307-2016 / *

Dear Bradley Drouin,

The ministry has screened the project report package for P311-0313-2017, P311-0307-2016 that you submitted on Jun 26, 2017 for completeness.

The package is complete and the report is now considered 'filed' with the ministry.

Next, we will either add it to our queue to be reviewed or enter it into the register without technical review.

Please do not reply to this e-mail. The message will be undeliverable and we are unable to respond from this address.

If you have any questions about this report email us at: Archaeology@ontario.ca

Thank you,

Crystal Forrest

crystal.forrest@ontario.ca

Little, Ken

Subject: Nation Rise Wind Farm Project Meeting
Location: 900 Highbury Avenue, London, Ontario

Start: Wed 2/1/2017 11:00 AM
End: Wed 2/1/2017 12:00 PM

Recurrence: (none)

Meeting Status: Accepted

Organizer: Drouin, Bradley

Please hold this time slot for a face to face meeting at the MTCS office located at 900 Highbury Avenue, London, Ontario. The goal of the meeting is provide project context and timing for the upcoming field season.

Culture Programs Unit, Ministry of Tourism, Culture and Sport
900 Highbury Avenue
London, Ontario N5Y 1A4
Tel: (519) 675-6898

Below is a call-in number for those that can't make it in person.

-Brad-

.....

→ Join Skype Meeting

This is an online meeting for Skype for Business, the professional meetings and communications app formerly known as Lync.

Join by phone

+1 855 242 0361 (North America) (Canada) English (United States)
+1 403 387 8484 (Calgary) (Canada) English (United States)
+1 604 449 7383 (Vancouver) (Canada) English (United States)
+1 647 317 4188 (Greater Toronto Area) (Canada) English (United States)
Find a local number

Conference ID: 611723895
Forgot your dial-in PIN? | Help

[!OC([1033])!]

.....

Bradley Drouin (M.A.) | Senior Archaeologist | **Golder Associates Ltd.**
1931 Robertson Road, Ottawa, Ontario, Canada, K2H 5B7
T: +1 (613) 592 9600 | **D:** +1 (613) 592 9600 | **F:** +1 (613) 592 9601 | **C:** +1 (613) 863 7811 | **E:** BDrouin@golder.com | **www.golder.com**

Work Safe, Home Safe

NAV CANADA

Little, Ken

From: English, Scott <scott.english@navcanada.ca>
Sent: Saturday, May 16, 2015 10:12 AM
To: Little, Ken
Cc: , Ontario Region, Transport Canada
Subject: 15-0336: 50 Wind Turbines (Dales North Wind Project) - Berwick, ON
Attachments: 15-0336 Spreadsheet.xlsx; 15-0336 Letter to proponent.pdf; 15-0336 Construction Start Notice.pdf

Hello Ken,

Please find attached a letter from NAV CANADA regarding your 50 wind turbines (Dales North Wind Project) submitted on 2015-02-04.

We ask that you notify us at least 10 business days prior to the erection of the turbines. This notification requirement can be satisfactorily met by returning a completed, signed copy of the attached form. If you have any questions, please don't hesitate to contact me.

Sorry for the delay.

Regards,

Scott English
Land Use Specialist, Aeronautical Information Management (AIM)
NAV CANADA
tel (613) 248-4111 / toll-free (866) 577-0247
fax (613) 248-4094
e-mail: scott.english@navcanada.ca

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Little, Ken

From: Garbutt, Derek <garbutd@navcanada.ca>
Sent: Thursday, November 24, 2016 12:58 PM
To: Little, Ken
Cc: , Ontario Region, Transport Canada
Subject: 16-0974: 40 Wind Turbines (Nation Rise Wind Farm LP.) - Crysler, ON
Attachments: 16-0974 Letter to proponent.pdf; 16-0974 Construction Start Notice.pdf; 16-0974 Coords.xlsx

Hello Ken,

Please find attached a letter from NAV CANADA regarding your 40 wind turbines (Nation Rise Wind Farm LP.) submitted on 2016-04-11.

We ask that you notify us at least 10 business days prior to the start of construction. This notification requirement can be satisfactorily met by returning a completed, signed copy of the attached form and accompanying spreadsheet. If you have any questions, please don't hesitate to contact me.

Sorry for the delay.

Regards,

Derek Garbutt
Data Collections-Land Use Specialist
NAV CANADA-AERONAUTICAL INFORMATION MANAGEMENT (AIM)
tel (613) 248-4077/Toll Free 1-866-577-0247
U77-23A
e-mail: garbutd@navcanada.ca

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Little, Ken

Subject: FW: 16-0974 40 Wind Turbines (Nation Rise Wind Farm LP.) - Crysler, ON
Location: #Room 1211 (12) Pièce 1211

Start: Tue 12/13/2016 9:00 AM
End: Tue 12/13/2016 10:30 AM
Show Time As: Tentative

Recurrence: (none)

Meeting Status: Not yet responded

Organizer: Pinon, Marcel

-----Original Appointment-----
From: Pinon, Marcel [mailto:PinonM@navcanada.ca]
Sent: Friday, December 09, 2016 1:36 PM
To: Pinon, Marcel; Davidge, Robert; McCarthy, Jackie; Little, Ken; Csatlos, Christopher
Cc: Adamache, Gheorghe
Subject: 16-0974 40 Wind Turbines (Nation Rise Wind Farm LP.) - Crysler, ON
When: Tuesday, December 13, 2016 9:00 AM-10:30 AM (UTC-05:00) Eastern Time (US & Canada).
Where: #Room 1211 (12) Pièce 1211

EDP Renewables Canada Ltd. has requested a meeting to discuss the above mentioned file to ensure they are doing everything necessary as NAV CANADA identified some impacts within the attached non-objection letter.

The proponent letter and proposed wind turbine coordinates are provided for information.

For those that need to join via teleconference please use the following number:

1-866-542-9023

Access Code : 5635630#

Marcel Pinon
Manager, Level of Service and Aeronautical Studies
Gestionnaire, Niveau de service et d'études aéronautiques
613-563-5630 (cell) 613-327-3004 pinonm@navcanada.ca
77 Metcalfe St/rue, Ottawa (Ontario) K1P 5L6

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Transport Canada

Little, Ken

From: Little, Ken
Sent: Tuesday, May 16, 2017 5:08 PM
To: 'tc.aviationservicesont-servicesaviationont.tc@tc.gc.ca'
Cc: Nathan Roscoe - EDP Renewables Canada Ltd. (nathan.roscoe@edpr.com); 'projectvault@edpr.com'
Subject: AERONAUTICAL ASSESSMENT FORM FOR OBSTACLE EVALUATION - Nation Rise Wind Farm (Berwick, ON)
Attachments: Nation Rise - TC Submittal 05162017.pdf; NationRise_26-0427E_051617_Executed.pdf; TC_WTGLocations_NCForm_051617.xlsx

Please find attached the Aeronautical Assessment Form and associated documents to support this submission of the Nation Rise Wind Farm, located near Berwick, ON. Included in this submission are the original AAF, 1:50k project map, and spreadsheet detailing the name and location of each wind turbine location.

Please feel free to contact myself of Nathan directly if you have any further questions regarding this project.

-Ken

edp renewables

Kenneth Little
EDP Renewables Canada Ltd.
Development
110 Spadina Ave, Suite 609
Toronto, ON M5V 2K4
Work 416.502.9463 Cell 416.728.0213 Fax 416.502.1706
www.edpr.com
Take action. Use energy efficient products.

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Environment Canada

From:	Danaitis, Anna Sara
To:	weatherradars@ec.gc.ca
Subject:	Proposed Nation Rise Wind Farm, Ontario
Date:	June-03-16 11:26:00 AM
Attachments:	Nation Rise Turbine Layout.xlsx Nation Rise Wind Farm.kmz

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DNV GL is currently conducting a communications systems assessment for the proposed Nation Rise wind farm, located approximately 30 km south-east of Ottawa, Ontario.

Under the federal environmental evaluation, consultation is required with different agencies according to the RABC/CanWEA Guidelines to identify the different communication systems that could be found in the vicinity of the project. As such, we look forward to your first approach analysis of possible wind turbine interactions with your respective systems.

Project information

Turbine coordinates: The turbine coordinates to be considered are listed in the attached Excel file. A kmz is also attached.

Turbine specifications: Please consider a hub height of 132 m, a blade length of 68 m and a total turbine height of 200 m.

Regards,

Anna Sara Danaitis
Analyst / GIS, Environmental & Permitting

E-mail anna.danaitis@dnvgl.com
www.dnvgl.com | LinkedIn



DNV and GL have merged to form DNV GL - Read more here: www.dnvgl.com/merger

From: Radars Météo / Weather Radars (EC)
To: Danaitis, Anna Sara; Radars Météo / Weather Radars (EC)
Subject: RE: Proposed Nation Rise Wind Farm, Ontario
Date: August-30-16 11:55:07 AM
Attachments: image001.gif

Dear Ms. Anna Sara Danaitis,

Thank you for contacting the Meteorological Service of Canada, a branch of Environment and Climate Change Canada, regarding your wind energy intentions.

Our preliminary assessment of the information provided to us via e-mail on June 3, 2016 indicates that any potential interference that may be created by the proposed Nation Rise wind farm, located approximately 30 km south-east of Ottawa, Ontario will not be severe. Although we would prefer our radar view to be interference free, this is not always reasonable. As a consequence, we do not have strong objections to the current proposal.

If your plans are modified in any manner (e.g. number of turbines, height, placement or materials) this analysis would no longer be valid. An updated analysis must be conducted.

Please contact us at: ec.radarsmeteo-weatherradars.ec@canada.ca

Thank you for your ongoing cooperation and we wish you success.

Best Regards,

Jim M.C. Young
Science Liaison, Meteorological Service of Canada
Environment & Climate Change Canada / Government of Canada

Liaison de la science, Service météorologique du Canada
Environnement et Changement climatique Canada / Gouvernement du Canada

---

From: Danaitis, Anna Sara [mailto:anna.danaitis@dnvgl.com]
Sent: June 3, 2016 11:27 AM
To: Radars Météo / Weather Radars (EC)
Subject: Proposed Nation Rise Wind Farm, Ontario

DNV GL is currently conducting a communications systems assessment for the proposed Nation Rise wind farm, located approximately 30 km south-east of Ottawa, Ontario.

Under the federal environmental evaluation, consultation is required with different agencies according to the RABC/CanWEA Guidelines to identify the different communication systems that could be found in the vicinity of the project. As such, we look forward to your first approach analysis

of possible wind turbine interactions with your respective systems.

Project information

Turbine coordinates: The turbine coordinates to be considered are listed in the attached Excel file. A kmz is also attached.

Turbine specifications: Please consider a hub height of 132 m, a blade length of 68 m and a total turbine height of 200 m.

Regards,

Anna Sara Danaitis
Analyst / GIS, Environmental & Permitting

E-mail anna.danaitis@dnvgl.com
www.dnvgl.com | LinkedIn

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From:	Danaitis, Anna Sara
To:	"Radars Météo / Weather Radars (EC)"
Subject:	RE: Proposed Nation Rise Wind Farm, Ontario
Date:	July-10-17 5:11:00 PM
Attachments:	NR L21 Layout.kmz Nation Rise Turbine Layout Updated.xlsx

Thank you for your initial analysis for the Nation Rise wind farm. There have been changes to the turbine layout and as requested below, another assessment is required.

Project information

Turbine coordinates: The turbine coordinates to be considered are listed in the attached Excel file. A kmz is also attached.

Turbine specifications: Please consider a hub height of 132 m, a blade length of 68 m and a total turbine height of 200 m.

There are no changes to the turbine specifications at this time.

Regards,
Anna Sara Danaitis
Analyst / GIS, Environmental & Permitting

E-mail anna.danaitis@dnvgl.com
www.dnvgl.com | LinkedIn



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---

From: Radars Météo / Weather Radars (EC) [mailto:ec.radarsmeteo-weatherradars.ec@canada.ca]
Sent: August-30-16 11:53 AM
To: Danaitis, Anna Sara <anna.danaitis@dnvgl.com>; Radars Météo / Weather Radars (EC) <ec.radarsmeteo-weatherradars.ec@canada.ca>
Subject: RE: Proposed Nation Rise Wind Farm, Ontario

Dear Ms. Anna Sara Danaitis,

Thank you for contacting the Meteorological Service of Canada, a branch of Environment and Climate Change Canada, regarding your wind energy intentions.

Our preliminary assessment of the information provided to us via e-mail on June 3, 2016 indicates that any potential interference that may be created by the proposed Nation Rise wind farm, located approximately 30 km south-east of Ottawa, Ontario will not be severe. Although we would prefer our radar view to be interference free, this is not always reasonable. As a consequence, we do not have strong objections to the current proposal.

If your plans are modified in any manner (e.g. number of turbines, height, placement or materials) this analysis would no longer be valid. An updated analysis must be conducted.

Please contact us at: ec.radarsmeteo-weatherradars.ec@canada.ca

Thank you for your ongoing cooperation and we wish you success.

Best Regards,

Jim M.C. Young
Science Liaison, Meteorological Service of Canada
Environment & Climate Change Canada / Government of Canada

Liaison de la science, Service météorologique du Canada
Environnement et Changement climatique Canada / Gouvernement du Canada

---

From: Danaitis, Anna Sara [mailto:anna.danaitis@dnvgl.com]
Sent: June 3, 2016 11:27 AM
To: Radars Météo / Weather Radars (EC)
Subject: Proposed Nation Rise Wind Farm, Ontario

DNV GL is currently conducting a communications systems assessment for the proposed Nation Rise wind farm, located approximately 30 km south-east of Ottawa, Ontario.

Under the federal environmental evaluation, consultation is required with different agencies according to the RABC/CanWEA Guidelines to identify the different communication systems that could be found in the vicinity of the project. As such, we look forward to your first approach analysis of possible wind turbine interactions with your respective systems.

Project information

Turbine coordinates: The turbine coordinates to be considered are listed in the attached Excel file. A kmz is also attached.

Turbine specifications: Please consider a hub height of 132 m, a blade length of 68 m and a total turbine height of 200 m.
Regards,

Anna Sara Danaitis
Analyst / GIS, Environmental & Permitting

E-mail anna.danaitis@dnvgl.com
www.dnvgl.com | LinkedIn

From: Radars Météo / Weather Radars (EC)
To: Danaitis, Anna Sara
Cc: Radars Météo / Weather Radars (EC); Young, Jim (EC)
Subject: RE: Proposed Nation Rise Wind Farm, Ontario
Date: July-11-17 10:30:50 AM

Dear Ms. Anna Sara Danaitis,

Thank you for contacting the Meteorological Service of Canada, a branch of Environment and Climate Change Canada, regarding your wind energy intentions.

Our preliminary assessment of the information provided to us via e-mail on July 10, 2017 indicates that any potential interference that may be created by the Nation Rise wind farm, located approximately 30 km south-east of Ottawa, Ontario will not be severe. Although we would prefer our radar view to be interference free, this is not always reasonable. As a consequence, we do not have strong objections to the current proposal.

If your plans are modified in any manner (e.g. number of turbines, height, placement or materials) this analysis would no longer be valid. An updated analysis must be conducted.

Please contact us at: ec.radarsmeteo-weatherradars.ec@canada.ca

Thank you for your ongoing cooperation and we wish you success.

Best Regards,

Ingrid Wong

Junior Physical Scientist, Meteorological Service of Canada
Environment and Climate Change Canada / Government of Canada
ingrid.wong@canada.ca / Tel: +1 416-739-4508

Scientifique junior, Service météorologique du Canada
Environnement et Changement climatique Canada / Gouvernement du Canada
ingrid.wong@canada.ca / Tél: +1 416-739-4508

From: Danaitis, Anna Sara [mailto:anna.danaitis@dnvgl.com]
Sent: July 10, 2017 5:11 PM
To: Radars Météo / Weather Radars (EC)
Subject: RE: Proposed Nation Rise Wind Farm, Ontario

Thank you for your initial analysis for the Nation Rise wind farm. There have been changes to the turbine layout and as requested below, another assessment is required.

Project information

Turbine coordinates: The turbine coordinates to be considered are listed in the attached Excel file. A kmz is also attached.

Turbine specifications: Please consider a hub height of 132 m, a blade length of 68 m and a total turbine height of 200 m.

There are no changes to the turbine specifications at this time.

Regards,

Anna Sara Danaitis
Analyst / GIS, Environmental & Permitting

E-mail anna.danaitis@dnvgl.com
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---

From: Radars Météo / Weather Radars (EC) [mailto:ec.radarsmeteo-weatherradars.ec@canada.ca]
Sent: August-30-16 11:53 AM
To: Danaitis, Anna Sara <anna.danaitis@dnvgl.com>; Radars Météo / Weather Radars (EC) <ec.radarsmeteo-weatherradars.ec@canada.ca>
Subject: RE: Proposed Nation Rise Wind Farm, Ontario

Dear Ms. Anna Sara Danaitis,

Thank you for contacting the Meteorological Service of Canada, a branch of Environment and Climate Change Canada, regarding your wind energy intentions.

Our preliminary assessment of the information provided to us via e-mail on June 3, 2016 indicates that any potential interference that may be created by the proposed Nation Rise wind farm, located approximately 30 km south-east of Ottawa, Ontario will not be severe. Although we would prefer our radar view to be interference free, this is not always reasonable. As a consequence, we do not have strong objections to the current proposal.

If your plans are modified in any manner (e.g. number of turbines, height, placement or materials) this analysis would no longer be valid. An updated analysis must be conducted.

Please contact us at: ec.radarsmeteo-weatherradars.ec@canada.ca

Thank you for your ongoing cooperation and we wish you success.

Best Regards,

Jim M.C. Young

Science Liaison, Meteorological Service of Canada
Environment & Climate Change Canada / Government of Canada

Liaison de la science, Service météorologique du Canada
Environnement et Changement climatique Canada / Gouvernement du Canada

---

From: Danaitis, Anna Sara [mailto:anna.danaitis@dnvgl.com]
Sent: June 3, 2016 11:27 AM
To: Radars Météo / Weather Radars (EC)
Subject: Proposed Nation Rise Wind Farm, Ontario

DNV GL is currently conducting a communications systems assessment for the proposed Nation Rise wind farm, located approximately 30 km south-east of Ottawa, Ontario.

Under the federal environmental evaluation, consultation is required with different agencies according to the RABC/CanWEA Guidelines to identify the different communication systems that could be found in the vicinity of the project. As such, we look forward to your first approach analysis of possible wind turbine interactions with your respective systems.

Project information

Turbine coordinates: The turbine coordinates to be considered are listed in the attached Excel file. A kmz is also attached.

Turbine specifications: Please consider a hub height of 132 m, a blade length of 68 m and a total turbine height of 200 m.
Regards,

Anna Sara Danaitis
Analyst / GIS, Environmental & Permitting

E-mail anna.danaitis@dnvgl.com
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****

****

Department of National Defence

From:	Danaitis, Anna Sara
To:	Lavoie.MJ6@forces.gc.ca
Subject:	Proposed Nation Rise Wind Farm, Ontario
Date:	June-03-16 11:25:00 AM
Attachments:	Nation Rise Turbine Layout.xlsx Nation Rise Wind Farm.kmz

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DNV GL is currently conducting a communications systems assessment for the proposed Nation Rise wind farm, located approximately 30 km south-east of Ottawa, Ontario.

Under the federal environmental evaluation, consultation is required with different agencies according to the RABC/CanWEA Guidelines to identify the different communication systems that could be found in the vicinity of the project. As such, we look forward to your first approach analysis of possible wind turbine interactions with your respective systems.

Project information

Turbine coordinates: The turbine coordinates to be considered are listed in the attached Excel file. A kmz is also attached.

Turbine specifications: Please consider a hub height of 132 m, a blade length of 68 m and a total turbine height of 200 m.

Regards,

Anna Sara Danaitis
Analyst / GIS, Environmental & Permitting

E-mail anna.danaitis@dnvgl.com
www.dnvgl.com | LinkedIn



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From:	Danaitis, Anna Sara
To:	windturbines@forces.gc.ca
Subject:	Nation Rise Wind Farm, Ontario
Date:	June-03-16 11:23:00 AM
Attachments:	Nation Rise Turbine Layout.xlsx Nation Rise Wind Farm.kmz

---

DNV GL is currently conducting a communications systems assessment for the proposed Nation Rise wind farm, located approximately 30 km south-east of Ottawa, Ontario.

Under the federal environmental evaluation, consultation is required with different agencies according to the RABC/CanWEA Guidelines to identify the different communication systems that could be found in the vicinity of the project. As such, we look forward to your first approach analysis of possible wind turbine interactions with your respective systems.

Project information

Turbine coordinates: The turbine coordinates to be considered are listed in the attached Excel file. A kmz is also attached.

Turbine specifications: Please consider a hub height of 132 m, a blade length of 68 m and a total turbine height of 200 m.

Regards,

Anna Sara Danaitis
Analyst / GIS, Environmental & Permitting

E-mail anna.danaitis@dnvgl.com
www.dnvgl.com | LinkedIn



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From:	+WindTurbines@forces.gc.ca
To:	Danaitis, Anna Sara
Cc:	MARIO.LAVOIE2@forces.gc.ca; vinceph@navcanada.ca
Subject:	Detailed Analysis Results WTA 6014 Nation Rise Non-Objection
Date:	January-10-17 2:18:50 PM
Attachments:	Nation Rise Wind Farm Ontario.msg

Dear Mr. Kenneth Little,

Thank you for your patience on this matter and for considering DND radar, airport facilities, and radiocomunication systems in your project development process.

We have completed the detailed analysis of your proposed site, Nation Rise Power Project, located approximately 30km south-east of Ottawa, ON (WTA-6014). The results of the detailed analysis and subsequent technical and operational impact assessments have confirmed there is likely to be minimal or no interference with DND radar, flight operations, and radiocommunication systems.

Therefore, as a result of these findings we have no objections with your project as submitted (attached).

If however, the layout were to change/move, please re-submit that proposal for another assessment using the assigned WTA number listed above. The concurrence for this site is valid for 24 months from date of this correspondence. If the project should be cancelled or delayed during this timeframe please advise my point of contact.

It should be noted that each submission is assessed on a case by case basis and as such, concurrence on this submission in no way constitutes a concurrence for similar projects in the same area, nor does it indicate that similar concurrence might be offered in another region.

The issuance of this Letter of Non-Objection shall not constitute a waiver or alienation of any existing or future legal rights of the DND/CF nor shall it be construed to create any exemptions, indemnification, approvals, rights, acceptances in favour of Nation Rise Wind Farm Limited Partnership. The DND/CF expressly reserves its rights to take legal action or seek remedy for any and all liability, loss, harm, degradation of services or equipment, mitigation costs, damages, judgements or expenses that arise from the adverse effects, whether incidental, indirect or causal, of the Nation Rise Wind Farm Limited Partnership. Nation Rise Wind Power Project upon the DND/CF radars, equipment and its provision of Air Traffic Services.

*At present DND is working with Transport Canada to make obstruction lighting mandatorily NVG compliant. (Night Vision Goggles) At present DND cannot stipulate that proponents of wind turbine farms utilize NVG compliant lighting. However, as you can imagine, the safety of our aircrews is a top priority, and as such, we ask that you consider lighting your turbines with NVG compliant lighting so that they are visible to pilots during NVG operations.

I trust that you will find this satisfactory. If you have any technical questions or concerns regarding any aspect of this investigation, please contact the ATESS Liaison Officer at (613) 392-2811 extension 4834, or at +windturbines@forces.gc.ca.

A hard-copy of this response will be mailed separately.

Sincerely,

ATESS Wind Turbine Assessment Office

From: Danaitis, Anna Sara
To: "+WindTurbines@forces.gc.ca"
Cc: MARIO.LAVOIE2@forces.gc.ca; vinceph@navcanada.ca
Subject: RE: Detailed Analysis Results WTA 6014 Nation Rise Non-Objection
Date: July-10-17 5:00:00 PM
Attachments: NR L21 Layout.kmz
Nation Rise Turbine Layout Updated.xlsx

Thank you for your initial analysis for the Nation Rise wind farm. There have been changes to the turbine layout and as requested below, another assessment is required.

Project information

Turbine coordinates: The turbine coordinates to be considered are listed in the attached Excel file. A kmz is also attached.

Turbine specifications: Please consider a hub height of 132 m, a blade length of 68 m and a total turbine height of 200 m.

There are no changes to the turbine specifications at this time.

Regards,

Anna Sara Danaitis
Analyst / GIS, Environmental & Permitting

E-mail anna.danaitis@dnvgl.com
www.dnvgl.com | LinkedIn



DNV and GL have merged to form DNV GL - Read more here: www.dnvgl.com/merger

---

From: +WindTurbines@forces.gc.ca [mailto:+WindTurbines@forces.gc.ca]
Sent: January-10-17 2:10 PM
To: Danaitis, Anna Sara <anna.danaitis@dnvgl.com>
Cc: MARIO.LAVOIE2@forces.gc.ca; vinceph@navcanada.ca
Subject: Detailed Analysis Results WTA 6014 Nation Rise Non-Objection

Dear Mr. Kenneth Little,

Thank you for your patience on this matter and for considering DND radar, airport facilities, and radiocomunication systems in your project development process.

We have completed the detailed analysis of your proposed site, Nation Rise Power Project, located approximately 30km south-east of Ottawa, ON (WTA-6014). The results of the detailed analysis and subsequent technical and operational impact assessments have confirmed there is likely to be minimal or no interference with DND radar, flight operations, and radiocommunication systems.

Therefore, as a result of these findings we have no objections with your project as submitted (attached).

If however, the layout were to change/move, please re-submit that proposal for another assessment using the assigned WTA number listed above. The concurrence for this site is valid for 24 months from date of

this correspondence. If the project should be cancelled or delayed during this timeframe please advise my point of contact.

It should be noted that each submission is assessed on a case by case basis and as such, concurrence on this submission in no way constitutes a concurrence for similar projects in the same area, nor does it indicate that similar concurrence might be offered in another region.

The issuance of this Letter of Non-Objection shall not constitute a waiver or alienation of any existing or future legal rights of the DND/CF nor shall it be construed to create any exemptions, indemnification, approvals, rights, acceptances in favour of Nation Rise Wind Farm Limited Partnership. The DND/CF expressly reserves its rights to take legal action or seek remedy for any and all liability, loss, harm, degradation of services or equipment, mitigation costs, damages, judgements or expenses that arise from the adverse effects, whether incidental, indirect or causal, of the Nation Rise Wind Farm Limited Partnership. Nation Rise Wind Power Project upon the DND/CF radars, equipment and its provision of Air Traffic Services.

*At present DND is working with Transport Canada to make obstruction lighting mandatorily NVG compliant. (Night Vision Goggles) At present DND cannot stipulate that proponents of wind turbine farms utilize NVG compliant lighting. However, as you can imagine, the safety of our aircrews is a top priority, and as such, we ask that you consider lighting your turbines with NVG compliant lighting so that they are visible to pilots during NVG operations.

I trust that you will find this satisfactory. If you have any technical questions or concerns regarding any aspect of this investigation, please contact the ATESS Liaison Officer at (613) 392-2811 extension 4834, or at +windturbines@forces.gc.ca.

A hard-copy of this response will be mailed separately.

Sincerely,

ATESS Wind Turbine Assessment Office

Royal Canadian Mounted Police

From: Danaitis, Anna Sara
To: windfarm_coordinator@rcmp-grc.gc.ca
Subject: Proposed Nation Rise Wind Farm, Ontario
Date: June-09-16 5:29:00 PM

DNV GL is currently conducting a communications systems assessment for the proposed Nation Rise wind farm, located approximately 30 km south-east of Ottawa, Ontario.
I tried sending this notification earlier this week but the email did not go through. Trying this time without attachment.

Under the federal environmental evaluation, consultation is required with different agencies according to the RABC/CanWEA Guidelines to identify the different communication systems that could be found in the vicinity of the project. As such, we look forward to your first approach analysis of possible wind turbine interactions with your respective systems.

Project information

Turbine coordinates: The turbine coordinates to be considered are listed below.

Turbine specifications: Please consider a hub height of 132 m, a blade length of 68 m and a total turbine height of 200 m.

Turbine ID	Hub Height (m)	Rotor Diameter (m)	Total Turbine Height (m)	Latitude	Longitude
1	132	136	200	45º 13' 19.497" N	75º 14' 45.834" W
2	132	136	200	45º 13' 3.437" N	75º 14' 33.396" W
3	132	136	200	45º 12' 23.499" N	75º 14' 23.750" W
4	132	136	200	45º 12' 50.187" N	75º 13' 5.762" W
5	132	136	200	45º 13' 17.079" N	75º 12' 6.335" W
6	132	136	200	45º 11' 42.158" N	75º 13' 47.250" W
7	132	136	200	45º 12' 20.406" N	75º 12' 4.631" W
9	132	136	200	45º 12' 44.722" N	75º 11' 7.233" W
10	132	136	200	45º 11' 4.276" N	75º 12' 54.601" W
11	132	136	200	45º 10' 53.679" N	75º 12' 42.149" W
12	132	136	200	45º 11' 25.810" N	75º 12' 2.988" W
13	132	136	200	45º 10' 57.234" N	75º 11' 55.263" W
14	132	136	200	45º 11' 12.033" N	75º 11' 3.384" W
15	132	136	200	45º 10' 31.640" N	75º 10' 55.133" W
16	132	136	200	45º 10' 18.998" N	75º 10' 45.477" W
18	132	136	200	45º 11' 47.769" N	75º 10' 6.230" W
19	132	136	200	45º 11' 31.814" N	75º 10' 5.722" W
20	132	136	200	45º 11' 17.250" N	75º 10' 4.942" W
21	132	136	200	45º 11' 2.086" N	75º 10' 4.207" W
22	132	136	200	45º 10' 50.378" N	75º 9' 53.451" W

23	132	136	200	45º 10' 32.161" N	75º 9' 50.510" W
24	132	136	200	45º 10' 16.511" N	75º 8' 59.079" W
25	132	136	200	45º 10' 4.032" N	75º 8' 49.701" W
27	132	136	200	45º 11' 39.334" N	75º 7' 5.122" W
28	132	136	200	45º 11' 19.555" N	75º 5' 46.122" W
29	132	136	200	45º 12' 7.192" N	75º 5' 45.175" W
30	132	136	200	45º 11' 58.541" N	75º 5' 57.756" W
31	132	136	200	45º 11' 36.842" N	75º 5' 19.933" W
32	132	136	200	45º 9' 16.624" N	75º 8' 40.495" W
33	132	136	200	45º 9' 6.092" N	75º 8' 39.332" W
34	132	136	200	45º 8' 33.274" N	75º 8' 25.909" W
35	132	136	200	45º 9' 32.161" N	75º 7' 50.383" W
36	132	136	200	45º 9' 20.056" N	75º 7' 41.079" W
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43	132	136	200	45º 10' 11.813" N	75º 4' 22.291" W
44	132	136	200	45º 7' 12.298" N	75º 9' 49.477" W
45	132	136	200	45º 6' 33.040" N	75º 9' 30.984" W
46	132	136	200	45º 5' 30.162" N	75º 9' 8.843" W
47	132	136	200	45º 8' 15.232" N	75º 7' 8.566" W
48	132	136	200	45º 7' 39.973" N	75º 6' 34.717" W
50	132	136	200	45º 6' 48.382" N	75º 6' 12.786" W
51	132	136	200	45º 8' 36.073" N	75º 6' 27.075" W
52	132	136	200	45º 6' 45.041" N	75º 8' 54.118" W
53	132	136	200	45º 7' 18.736" N	75º 5' 7.172" W
55	132	136	200	45º 7' 7.217" N	75º 4' 41.093" W
56	132	136	200	45º 6' 26.547" N	75º 6' 28.521" W
57	132	136	200	45º 7' 9.897" N	75º 5' 29.415" W

Regards,

Anna Sara Danaitis
Analyst / GIS, Environmental & Permitting

E-mail anna.danaitis@dnvgl.com
www.dnvgl.com | LinkedIn



DNV and GL have merged to form DNV GL - Read more here: www.dnvgl.com/merger

From: windfarm_coordinator@rcmp-grc.gc.ca
To: Danaitis, Anna Sara
Subject: Re: Proposed Nation Rise Wind Farm, Ontario
Date: June-28-16 3:08:30 PM
Attachments: ATT00001.gif

Dear Ms. Danaitis,

This email will serve the purpose to officially answer your co-ordination request with regards to the Nation Rise Wind Farm project.

We have completed the wind farm analysis for the Nation Rise Wind Farm sites and did not find any issues with these potential wind farm installations that would cause us to take notice for future RF interference.

Best regards,

Jules Lefrançois
Spectrum Unit Supervisor
RCMP National Radio Services

>>> "Danaitis, Anna Sara" <anna.danaitis@dnvgl.com> 2016/06/09 17:29 >>>
DNV GL is currently conducting a communications systems assessment for the proposed Nation Rise wind farm, located approximately 30 km south-east of Ottawa, Ontario.
I tried sending this notification earlier this week but the email did not go through. Trying this time without attachment.

Under the federal environmental evaluation, consultation is required with different agencies according to the RABC/CanWEA Guidelines to identify the different communication systems that could be found in the vicinity of the project. As such, we look forward to your first approach analysis of possible wind turbine interactions with your respective systems.

Project information

Turbine coordinates: The turbine coordinates to be considered are listed below.

Turbine specifications: Please consider a hub height of 132 m, a blade length of 68 m and a total turbine height of 200 m.

Turbine ID	Hub Height (m)	Rotor Diameter (m)	Total Turbine Height (m)	Latitude	Longitude
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Regards,

Anna Sara Danaitis
Analyst / GIS, Environmental & Permitting

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DNV GL



DNV and GL have merged to form DNV GL - Read more here: www.dnvgl.com/merger

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Protected A

Gabriel Constantin, M. Sc.
Team Leader, Environmental and Permitting Services
DNV GL Energy

GV 1620-7-3

October 19th 2016

Dear Sir,

SUBJECT: North Stormont Wind Project

Reference is made to your email "Nation Rise Wind Farm – Notice of Proposal and Notice of Public Meeting", coordination request dated 2016 September 23rd, on your plans to install a wind farms in the province of Ontario.

The RCMP has no nearby facilities which could be impacted by your proposed plan.

If more information is required, or if you have any questions, please don't hesitate to contact us.

Sincerely,

Jules Lefrançois
Spectrum Unit
Tel: 613-993-1005
Fax: 613-998-7528
Email: jules.lefrancois@rcmp-grc.gc.ca

Jonathan Lafrenière
Wind farm administrative coordinator
Tel : 613-949-3806
Fax: 613-998-7528
Email:windfarm_coordinator@rcmp-grc.gc.ca

National Radio Services
CIO Sector
Royal Canadian Mounted Police

From:	Danaitis, Anna Sara
To:	"windfarm_coordinator@rcmp-grc.gc.ca"
Subject:	RE: Proposed Nation Rise Wind Farm, Ontario
Date:	July-10-17 5:05:00 PM
Attachments:	NR L21 Layout.kmz Nation Rise Turbine Layout Updated.xlsx

Thank you for your initial analysis for the Nation Rise wind farm. There have been changes to the turbine layout and would like to confirm no interference to you r systems.

Project information

Turbine coordinates: The turbine coordinates to be considered are listed in the attached Excel file. A kmz is also attached.

Turbine specifications: Please consider a hub height of 132 m, a blade length of 68 m and a total turbine height of 200 m.

There are no changes to the turbine specifications at this time.

Regards,

Anna Sara Danaitis
Analyst / GIS, Environmental & Permitting

E-mail anna.danaitis@dnvgl.com
www.dnvgl.com | LinkedIn



DNV and GL have merged to form DNV GL - Read more here: www.dnvgl.com/merger

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From: windfarm_coordinator@rcmp-grc.gc.ca [mailto:windfarm_coordinator@rcmp-grc.gc.ca]
Sent: June-28-16 3:08 PM
To: Danaitis, Anna Sara <anna.danaitis@dnvgl.com>
Subject: Re: Proposed Nation Rise Wind Farm, Ontario

Dear Ms. Danaitis,

This email will serve the purpose to officially answer your co-ordination request with regards to the Nation Rise Wind Farm project.

We have completed the wind farm analysis for the Nation Rise Wind Farm sites and did not find any issues with these potential wind farm installations that would cause us to take notice for future RF interference.

Best regards,

Jules Lefrançois
Spectrum Unit Supervisor
RCMP National Radio Services

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56	132	136	200	45º 6' 26.547" N	75º 6' 28.521" W
57	132	136	200	45º 7' 9.897" N	75º 5' 29.415" W

Regards,

Anna Sara Danaitis
Analyst / GIS, Environmental & Permitting

E-mail anna.danaitis@dnvgl.com
www.dnvgl.com | LinkedIn



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****

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Gabriel Constantin, M. Sc.
Team Leader, Environmental and Permitting Services
DNV GL Energy

GV 1620-7-3

October 19th 2016

Dear Sir,

SUBJECT: North Stormont Wind Project

Reference is made to your email "Nation Rise Wind Farm – Notice of Proposal and Notice of Public Meeting", coordination request dated 2016 September 23rd, on your plans to install a wind farms in the province of Ontario.

The RCMP has no nearby facilities which could be impacted by your proposed plan.

If more information is required, or if you have any questions, please don't hesitate to contact us.

Sincerely,

Jules Lefrançois
Spectrum Unit
Tel: 613-993-1005
Fax: 613-998-7528
Email: jules.lefrancois@rcmp-grc.gc.ca

Jonathan Lafrenière
Wind farm administrative coordinator
Tel : 613-949-3806
Fax: 613-998-7528
Email:windfarm_coordinator@rcmp-grc.gc.ca

National Radio Services
CIO Sector
Royal Canadian Mounted Police

Government Mobile Communications Branch -

Ministry of Community Safety and Correctional Services

From:	Danaitis, Anna Sara
To:	joe.coady@ontario.ca
Subject:	Proposed Nation Rise Wind Farm ,Ontario
Date:	June-03-16 11:48:00 AM
Attachments:	Nation Rise Turbine Layout.xlsx Nation Rise Wind Farm.kmz

---

DNV GL is currently conducting a communications systems assessment for the proposed Nation Rise wind farm, located approximately 30 km south-east of Ottawa, Ontario.

Under the federal environmental evaluation, consultation is required with different agencies according to the RABC/CanWEA Guidelines to identify the different communication systems that could be found in the vicinity of the project. As such, we look forward to your first approach analysis of possible wind turbine interactions with your respective systems.

Project information

Turbine coordinates: The turbine coordinates to be considered are listed in the attached Excel file. A kmz is also attached.

Turbine specifications: Please consider a hub height of 132 m, a blade length of 68 m and a total turbine height of 200 m.

Regards,

Anna Sara Danaitis
Analyst / GIS, Environmental & Permitting

E-mail anna.danaitis@dnvgl.com
www.dnvgl.com | LinkedIn



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From:	Fox, Mark (MCSCS)
To:	Romic, Zeljko (MOECC)
Cc:	"anna.danaitis@dnvgl.com"
Subject:	Re: Proposed Nation Rise Wind Farm ,Ontario
Date:	July-17-17 12:44:14 PM
Attachments:	NR L21 Layout.kmz Nation Rise Turbine Layout Updated.xlsx

---

Hi Zeljko;

As per Sandra's below Email, please note our below response to the attached revised Nation Rise proposed wind farm.

Thanks,

Mark Fox, P. Eng.
Network Radio Engineer
Government Mobile Communications Branch
Justice Technology Services
Ministry of Community Safety and Correctional Services
222 Jarvis Street, 7th floor
Toronto, ON M7A 0B6

Email: mark.fox@ontario.ca
Phone: 416-327-0383
Mobile: 416-524-6547
FAX: 416-327-0353

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From: Guido, Sandra (TBS)
Sent: July-17-17 12:33 PM
To: Fox, Mark (MCSCS); 'anna.danaitis@dnvgl.com'
Subject: RE: Proposed Nation Rise Wind Farm ,Ontario

Hi Mark,

I no longer work at the Ministry of the Environment and Climate Change.

Please ensure to send these emails to Zeljko Romic at zeljko.romic@ontario.ca

Thank you,
Sandra

From: Fox, Mark (MCSCS)
Sent: July-17-17 12:31 PM
To: 'anna.danaitis@dnvgl.com'
Cc: Guido, Sandra (TBS)
Subject: RE: Proposed Nation Rise Wind Farm ,Ontario

Hi Anna;

Based upon the attached revised Nation Rise proposed wind farm details, this project has been determine unlikely to affect the operations of Ontario's public safety mobile radio network. Please be advised that a reassessment will be required should turbine placements change and that we have only considered impacts to the radio network utilized by provincial ministries (e.g. OPP, MOHLTC, MTO, etc.) which is not utilized by federal, regional or local public safety organizations.

I have included Sandra Guido from the Ministry of the Environment in my response to ensure awareness of our analysis results.

If you have any questions, you can contact me at 416-327-0383 or by email at mark.fox@ontario.ca.

Regards,

Mark Fox, P. Eng.
Network Radio Engineer
Government Mobile Communications Branch
Justice Technology Services
Ministry of Community Safety and Correctional Services
222 Jarvis Street, 7th floor
Toronto, ON M7A 0B6

Email: mark.fox@ontario.ca
Phone: 416-327-0383
Mobile: 416-524-6547
FAX: 416-327-0353

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From: Danaitis, Anna Sara [mailto:anna.danaitis@dnvgl.com]
Sent: July-10-17 5:15 PM
To: Fox, Mark (MCSCS); 'anna.danaitis@dnvgl.com'
Cc: Guido, Sandra (TBS)
Subject: RE: Proposed Nation Rise Wind Farm ,Ontario

Hi Mark,
Thank you for your initial analysis for the Nation Rise wind farm. There have been changes to the turbine layout and as requested below, another assessment is required.

Project information
Turbine coordinates: The turbine coordinates to be considered are listed in the attached Excel file. A kmz is also attached.
Turbine specifications: Please consider a hub height of 132 m, a blade length of 68 m and a total turbine height of 200 m.

There are no changes to the turbine specifications at this time.

Regards,

Anna Sara Danaitis
Analyst / GIS, Environmental & Permitting

E-mail anna.danaitis@dnvgl.com
www.dnvgl.com | LinkedIn



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---

From: Fox, Mark (MCSCS) [mailto:Mark.Fox@ontario.ca]
Sent: June-29-16 11:01 AM
To: 'anna.danaitis@dnvgl.com'
Cc: Guido, Sandra (MOECC) <Sandra.Guido@ontario.ca>
Subject: Re: Proposed Nation Rise Wind Farm ,Ontario

Hi Anna;

Based upon the attached Nation Rise proposed wind farm details, this project has been determine unlikely to affect the operations of Ontario's public safety mobile radio network. Please be advised that a reassessment will be required should turbine placements change and that we have only considered impacts to the radio network utilized by provincial ministries (e.g. OPP, MOHLTC, MTO, etc.) which is not utilized by federal, regional or local public safety organizations.

I have included Sandra Guido from the Ministry of the Environment in my response to ensure awareness of our analysis results.

If you have any questions, you can contact me at 416-327-0383 or by email at mark.fox@ontario.ca.

Regards,

Mark Fox, P. Eng.
Network Radio Engineer
Government Mobile Communications Branch
Justice Technology Services
Ministry of Community Safety and Correctional Services
222 Jarvis Street, 7th floor
Toronto, ON M7A 0B6

Email: mark.fox@ontario.ca
Phone: 416-327-0383
Mobile: 416-524-6547
FAX: 416-327-0353

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From: Fox, Mark (MCSCS)
Sent: June-06-16 10:50 AM
To: 'anna.danaitis@dnvgl.com'
Subject: Re: Proposed Nation Rise Wind Farm ,Ontario

Hi Anna,

Thank you for the attached proposed Nation Rise wind farm details.

We will review and provide an impact statement for Ontario's public safety mobile radio network utilized by provincial ministries (e.g. OPP, MOHLTC, MTO, etc.). Please be aware that our assessments will not consider other public safety mobile radio networks utilized by federal, regional or local public safety organizations.

Kindly redirect future wind farm assessment requests to me.

Thanks,

Mark Fox, P. Eng.
Network Radio Engineer
Government Mobile Communications Branch
Justice Technology Services
Ministry of Community Safety and Correctional Services
222 Jarvis Street, 7th floor
Toronto, ON M7A 0B6

Email: mark.fox@ontario.ca
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From: Danaitis, Anna Sara <anna.danaitis@dnvgl.com>
Sent: Friday, June 3, 2016 11:48 AM
To: Coady, Joe (MCSCS)
Subject: Proposed Nation Rise Wind Farm ,Ontario

DNV GL is currently conducting a communications systems assessment for the proposed Nation Rise wind farm, located approximately 30 km south-east of Ottawa, Ontario.

Under the federal environmental evaluation, consultation is required with different agencies according to the RABC/CanWEA Guidelines to identify the different communication systems that

could be found in the vicinity of the project. As such, we look forward to your first approach analysis of possible wind turbine interactions with your respective systems.

Project information

Turbine coordinates: The turbine coordinates to be considered are listed in the attached Excel file. A kmz is also attached.

Turbine specifications: Please consider a hub height of 132 m, a blade length of 68 m and a total turbine height of 200 m.

Regards,

Anna Sara Danaitis
Analyst / GIS, Environmental & Permitting

E-mail anna.danaitis@dnvgl.com
www.dnvgl.com | LinkedIn



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Canadian Coast Guard

From:	Danaitis, Anna Sara
To:	Windfarm.Coordinator@DFO-MPO.GC.CA
Subject:	Proposed Nation Rise Wind Farm, Ontario
Date:	June-03-16 11:27:00 AM
Attachments:	Nation Rise Turbine Layout.xlsx Nation Rise Wind Farm.kmz

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DNV GL is currently conducting a communications systems assessment for the proposed Nation Rise wind farm, located approximately 30 km south-east of Ottawa, Ontario.

Under the federal environmental evaluation, consultation is required with different agencies according to the RABC/CanWEA Guidelines to identify the different communication systems that could be found in the vicinity of the project. As such, we look forward to your first approach analysis of possible wind turbine interactions with your respective systems.

Project information

Turbine coordinates: The turbine coordinates to be considered are listed in the attached Excel file. A kmz is also attached.

Turbine specifications: Please consider a hub height of 132 m, a blade length of 68 m and a total turbine height of 200 m.

Regards,

Anna Sara Danaitis
Analyst / GIS, Environmental & Permitting

E-mail anna.danaitis@dnvgl.com
www.dnvgl.com | LinkedIn



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From:	CCG Wind Farm Coordinator / Coordinateur Parcs Eoliens GCC (DFO/MPO)
To:	Danaitis, Anna Sara
Subject:	RE: Proposed Nation Rise Wind Farm, Ontario
Date:	June-07-16 9:59:39 AM
Attachments:	image001.gif

Hello,

The proposed wind farm (Nation Rise) is located 29 km away from the closest CCG communication site (Cornwall).

Therefore no interference issues are anticipated.

Regards / Salutations,

Martin Grégoire, P. Eng
Canadian Coast Guard

From: Danaitis, Anna Sara [mailto:anna.danaitis@dnvgl.com]
Sent: June 3, 2016 11:28 AM
To: CCG Wind Farm Coordinator / Coordinateur Parcs Eoliens GCC (DFO/MPO)
Subject: Proposed Nation Rise Wind Farm, Ontario

DNV GL is currently conducting a communications systems assessment for the proposed Nation Rise wind farm, located approximately 30 km south-east of Ottawa, Ontario.

Under the federal environmental evaluation, consultation is required with different agencies according to the RABC/CanWEA Guidelines to identify the different communication systems that could be found in the vicinity of the project. As such, we look forward to your first approach analysis of possible wind turbine interactions with your respective systems.

Project information

Turbine coordinates: The turbine coordinates to be considered are listed in the attached Excel file. A kmz is also attached.

Turbine specifications: Please consider a hub height of 132 m, a blade length of 68 m and a total turbine height of 200 m.
Regards,

Anna Sara Danaitis
Analyst / GIS, Environmental & Permitting

E-mail anna.danaitis@dnvgl.com
www.dnvgl.com | LinkedIn

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Ornge

From:	Danaitis, Anna Sara
To:	info@ornge.ca
Subject:	Proposed Nation Rise Wind Farm, Ontario
Date:	June-03-16 11:28:00 AM
Attachments:	Nation Rise Turbine Layout.xlsx Nation Rise Wind Farm.kmz

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DNV GL is currently conducting a communications systems assessment for the proposed Nation Rise wind farm, located approximately 30 km south-east of Ottawa, Ontario.

Under the federal environmental evaluation, consultation is required with different agencies according to the RABC/CanWEA Guidelines to identify the different communication systems that could be found in the vicinity of the project. As such, we look forward to your first approach analysis of possible wind turbine interactions with your respective systems.

Project information

Turbine coordinates: The turbine coordinates to be considered are listed in the attached Excel file. A kmz is also attached.

Turbine specifications: Please consider a hub height of 132 m, a blade length of 68 m and a total turbine height of 200 m.

Regards,

Anna Sara Danaitis
Analyst / GIS, Environmental & Permitting

E-mail anna.danaitis@dnvgl.com
www.dnvgl.com | LinkedIn



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From: Danaitis, Anna Sara
To: "info@ornge.ca"
Subject: RE: Proposed Nation Rise Wind Farm, Ontario
Date: July-10-17 5:20:00 PM
Attachments: NR L21 Layout.kmz
Nation Rise Turbine Layout Updated.xlsx

DNV GL is currently conducting a communications systems assessment for the proposed Nation Rise wind farm, located approximately 30 km south-east of Ottawa, Ontario.

Under the federal environmental evaluation, consultation is required with different agencies according to the RABC/CanWEA Guidelines to identify the different communication systems that could be found in the vicinity of the project. As such, we look forward to your first approach analysis of possible wind turbine interactions with your respective systems.

Project information

Turbine coordinates: The turbine layout has been updated and the coordinates to be considered are listed in the attached Excel file. A kmz is also attached.

Turbine specifications: Please consider a hub height of 132 m, a blade length of 68 m and a total turbine height of 200 m.
Regards,

Anna Sara Danaitis
Analyst / GIS, Environmental & Permitting

E-mail anna.danaitis@dnvgl.com
www.dnvgl.com | LinkedIn



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From: Danaitis, Anna Sara
Sent: June-03-16 11:29 AM
To: info@ornge.ca
Subject: Proposed Nation Rise Wind Farm, Ontario

DNV GL is currently conducting a communications systems assessment for the proposed Nation Rise wind farm, located approximately 30 km south-east of Ottawa, Ontario.

Under the federal environmental evaluation, consultation is required with different agencies according to the RABC/CanWEA Guidelines to identify the different communication systems that

could be found in the vicinity of the project. As such, we look forward to your first approach analysis of possible wind turbine interactions with your respective systems.

Project information

Turbine coordinates: The turbine coordinates to be considered are listed in the attached Excel file. A kmz is also attached.

Turbine specifications: Please consider a hub height of 132 m, a blade length of 68 m and a total turbine height of 200 m.

Regards,

Anna Sara Danaitis
Analyst / GIS, Environmental & Permitting

E-mail anna.danaitis@dnvgl.com
www.dnvgl.com | LinkedIn



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Bell Mobility

From: Popescu, Virgil
To: Danaitis, Anna Sara
Subject: RE: Radiocommunications System Consultation - Nation Rise Wind Farm
Date: July-17-17 11:41:28 AM
Attachments: image002.png

Hello Anna.

The turbine (#41) indicated in your message and the Bell Mobility microwave system licensed under the reference 010035591-001 (between stations Finch VFF925 and Maple Ridge CIJ356) are indeed in close proximity. However, we do not expect this turbine affecting the operations of Bell Mobility's communications network.
Please coordinate with us any further changes to the location of the turbines planned for this wind farm project.
Best regards,

Virgil Popescu
Bell Mobility - Network Connectivity
200 Bouchard 5CS, Dorval, QC H9S 5X5
virgil.popescu@bell.ca // 1-514-420-5293

From: Danaitis, Anna Sara [mailto:anna.danaitis@dnvgl.com]
Sent: Monday, July 17, 2017 10:34 AM
To: Popescu, Virgil
Subject: RE: Radiocommunications System Consultation - Nation Rise Wind Farm

Thank you Virgil,
Let me know if you need any further information.

Regards,
Anna Sara Danaitis
Analyst / GIS, Environmental & Permitting

E-mail anna.danaitis@dnvgl.com
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From: Popescu, Virgil [mailto:virgil.popescu@bell.ca]
Sent: July-12-17 2:10 PM
To: Danaitis, Anna Sara <anna.danaitis@dnvgl.com>
Subject: RE: Radiocommunications System Consultation - Nation Rise Wind Farm

Hello Anna.

Thanks for coordinating this projects with us. I also received yesterday a note from the Gov of ON (Gov Mobile Communications Branch – GMCB) concerning this same project. It has a larger list of turbine locations that includes the one mentioned in your message (although labeled turbine 47 instead of turbine 41).
I'll have a look at the proposed turbines in relation to Bell's communication links in that area. Expected an answer early next week.
Best regards,

Virgil Popescu
Bell Mobility - Network Connectivity
200 Bouchard 5CS, Dorval, QC H9S 5X5
virgil.popescu@bell.ca // 1-514-420-5293

From: Desourdis, Martin
Sent: Wednesday, July 12, 2017 12:59 PM
To: McDonald, Mark; Lem, Yul; Theberge, Dominique
Cc: Steinhauer, Lane; 'anna.danaitis@dnvgl.com'; Popescu, Virgil
Subject: RE: Radiocommunications System Consultation - Nation Rise Wind Farm

Hi Virgil

Could you review the request and follow up with Anna.

Thanks
Martin

From: McDonald, Mark
Sent: Wednesday, July 12, 2017 12:53 PM
To: Lem, Yul; Theberge, Dominique; Desourdis, Martin
Cc: Steinhauer, Lane; 'anna.danaitis@dnvgl.com'
Subject: RE: Radiocommunications System Consultation - Nation Rise Wind Farm

Please work with Dominque, who runs the transport team in Mobility
Thx



Mark McDonald
Director RF Engineering & Network Performance
Tel : 647-382-6148

From: Lem, Yul
Sent: July-12-17 11:04 AM
To: McDonald, Mark <mark.mcdonald@bell.ca>
Cc: Steinhauer, Lane <Lane.Steinhauer@bellmedia.ca>; 'anna.danaitis@dnvgl.com' <anna.danaitis@dnvgl.com>
Subject: FW: Radiocommunications System Consultation - Nation Rise Wind Farm

Hello Mark:

Please find the following Wind Farm co-ordination request which may potentially impact Bell Mobility's microwave links serving the Ottawa region.
DNV GL are initiating the consultation.
I believe your team can take it from here.

Thanks,

Yul

Yul Lem, P.Eng. | Senior Manager, RF Transmissions
CTV Inc. | t 416.384.6343 | f 416.384.6339 | yul.lem@bellmedia.ca
9 Channel Nine Court
Scarborough, ON M1S 4B5



From: Steinhauer, Lane
Sent: Tuesday, July 11, 2017 1:24 PM
To: Lem, Yul
Subject: FW: Radiocommunications System Consultation - Nation Rise Wind Farm

Hello Yul,

Is this one of BellMedia's ?

Thoughts

Lane

From: Danaitis, Anna Sara [mailto:anna.danaitis@dnvgl.com]
Sent: Tuesday, July 11, 2017 1:21 PM

To: Steinhauer, Lane
Cc: Constantin, Gabriel
Subject: Radiocommunications System Consultation - Nation Rise Wind Farm

Hi Lane,
I was given your contact information by my colleague, Leslie Breadner, who was in contact with you for the Romney Wind Energy project. I have a similar request for the proposed Nation Rise wind farm below.

DNV GL is currently conducting a communication systems assessment for the proposed Nation Rise wind farm, located approximately 30 km south-east of Ottawa, Ontario.

Through our assessment we have identified that a microwave point-to-point tower system owned by your company are located within the Radio Advisory Board of Canada consultation zone of a Nation Rise wind turbine (https://www.rabc-cccr.ca/about/publications/#103-publications-p2).

License Number	Tower Address	Identifier	System	Coordinates	Base Frequency (MHz)
010035591-001	FINCH (MAIN ST/JAMES ST) ON	VFF925	point-to-point microwave link	45° 8' 45.575" N, 75° 5' 22.684" W	10785 - 11275
	MAPLE RIDGE (12975 SDG 43) ON	CIJ357	point-to-point microwave link	45° 5' 54.515" N, 75° 16' 32.491" W	10785 - 11275

We request that you confirm the location of your systems and their operational status.

Turbine 41 is within the RABC/CANWEA consultation zone based on the 3 times the maximum first Fresnel zone clearance. However, the turbine is not located within the 1st Fresnel zone, 2nd Fresnel zone, or triple the radius of the first Fresnel zone (as recommended by Sengupta, 1994). As such, DNV GL does not expect any signal interference for this microwave link, but still consults you on this matter, as recommended by the RABC/Canwea guidelines.

	Coordinates	Distance to link (m)
Turbine 41	45º 8' 15.06" N, 75º 7' 9.73" W	95

The turbine specifications are a hub height of 132 m, blade length of 68 m, a total turbine height of 200 m. Additional information can be found on the projects web page http://nationrisewindfarm.com/

We would appreciate your consultation on this matter and ask that you provide any additional information that would aid in our evaluation.

Please contact me with any additional requests for information and/or to provide feedback.
Sincerely
for GL Garrad Hassan Canada Inc

Anna Sara Danaitis
Analyst / GIS, Environmental & Permitting

Mobile +1 613 252 2662
E-mail anna.danaitis@dnvgl.com
www.dnvgl.com | LinkedIn



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