

APPENDIX A-2:
Correspondence Log

Correspondence with First Nations Groups

Correspondence for the Project for the following First Nations groups follows.

- Alderville First Nation;
- Curve Lake First Nation;
- Hiawatha First Nation;
- Huron Wendat First Nation;
- Kawartha Nishnawbe First Nation;
- Mississaugas of Scugog Island First Nation.

Roberts, Andrew

From: Olivera.RADINOVIC@HydroOne.com
Sent: Tuesday, February 14, 2017 8:28 AM
To: jbmarsden@alderville.ca
Cc: sanderson@alderville.ca; csmith@veridian.on.ca; Roberts, Andrew; SaraJane.Souliere@HydroOne.com; Daniel.Charbonneau@HydroOne.com
Subject: Seaton MTS-Update on the project-Alderville FN
Attachments: Map13-39_SeatonTS_GM_BxW_v3 (4).pdf; 151-02610-00_Map13-39_SeatonTS_GM_BxW_v2NoLabels.pdf; 151-02610-00_Alderville FN.PDF

Dear Chief Jim Bob Marsden,

Thank you for taking the time to discuss the Seaton MTS project with me and your interest in meeting with the Seaton project team to learn more about the evaluation criteria, site and route selection process and the preferred site and route option for the Seaton MTS project.

Veridian and Hydro One have selected the preferred station site and route option from three alternatives initially identified. This option was determined based on the analysis of technical, environmental and socio-economic factors, as well as First Nations and Métis, public, and stakeholder feedback. The preferred option (Site 2) is shown on the attached map. I have also attached the Notification Letter and the associated map sent to you in October, 2016 for your reference.

The Seaton MTS project team is available to come to your community and meet with you and your team. We are proposing the following dates for our meeting:

Wednesday , February 22, 2017 (from 10:30 to 12pm)

Thursday, February 23, 2017 (from 10:30 to 12pm)

Friday, February 24, 2017 (from 10:30 to 12pm)

Please let us know if our proposed dates and time work for you. If our proposal doesn't work for you, please propose the alternative solution and alternative dates you are available to meet with us

Please note that Hydro One and Veridian are planning to hold the second Public Information Centre (PIC) on March 2, 2017 for the Seaton MTS project to present how the preferred site and route have been selected (as discussed above). The invitation to the PIC will be sent to you shortly.

Best Regards,

Olivera Radinovic
Environmental Planner

Environmental Engineering and Project Support
Hydro One Networks Inc.
483 Bay Street, 14th Floor, North Tower
Toronto, ON, M5G 2P5
Tel: 416 345 6598
Fax: 416 345 6919

Correspondence AFN2

Roberts, Andrew

From: Olivera.RADINOVIC@HydroOne.com
Sent: Wednesday, February 15, 2017 10:02 AM
To: jbmarsden@alderville.ca
Subject: RE: Seaton MTS-Update on the project-Alderville FN

Thank you Chief Marsden!

Miigwech,

Olivera Radinovic
Environmental Planner

Environmental Engineering and Project Support
Hydro One Networks Inc.
483 Bay Street, 14th Floor, North Tower
Toronto, ON, M5G 2P5
Tel: 416 345 6598
Fax: 416 345 6919

From: JimBob Marsden [mailto:jbmarsden@alderville.ca]
Sent: Tuesday, February 14, 2017 2:20 PM
To: RADINOVIC Olivera; Dave Lyle Simpson
Cc: sanderson@alderville.ca; csmith@veridian.on.ca; Andrew.Roberts@wspgroup.com; SOULIERE Sara Jane; CHARBONNEAU Daniel
Subject: Re: Seaton MTS-Update on the project-Alderville FN

Thank you...I'll have Skye arrange a date if its needed
Miigwech
Chief Marsden

James R. Marsden
Chief
Office: 905-352-3000
Fax: 905-352-3242
11696 Second Line
P.O. Box 46
Roseneath, ON
K0K 2X0
jbmarsden@aldervillefirstnation.ca



This e-mail is intended only for the named recipient(s) and may contain information that is privileged, confidential and/or exempt from disclosure under applicable law. No waiver of privilege, confidence or otherwise is intended by virtue of communication via the internet. Any unauthorized use, dissemination or copying is strictly prohibited. If you have received this e-mail in error, or are not named as a recipient, please immediately notify the sender and destroy all copies of this e-mail.

By submitting your or another individual's personal information to Alderville First Nation, its service providers and agents, you agree and confirm your authority from such other individual, to our collection, use and disclosure of such personal information.

From: SaraJane.Souliere@HydroOne.com
Sent: Friday, February 24, 2017 2:00 PM
To: sanderson@alderville.ca
Cc: sanderson@alderville.ca; csmith@veridian.on.ca; Roberts, Andrew; Daniel.Charbonneau@HydroOne.com; jbmarsden@alderville.ca; Olivera.RADINOVIC@HydroOne.com; dave.simpson@alderville.ca
Subject: RE: Seaton MTS-Update on the project-Alderville FN

Good Afternoon Skye,

The Hydro One Seaton MTS project team is available to come to your community to share the following information:

- the evaluation criteria
- site and route selection process and
- the preferred site and route option for the Seaton MTS project

If you are interested in meeting with Hydro One, please propose dates/times convenient for your community and I will coordinate from our end.

Miigwetch

Sara Jane Souliere
Senior Advisor
First Nations & Métis Relations

Hydro One Networks Inc.
483 Bay Street
South Tower, 5th Floor
Toronto, ON M5G 2P5
PH: (416) 345-4431
FX: (416) 345 6919
Email: sarajane.souliere@hydroone.com
website: www.hydroone.com/firstnationsmetis


Roberts, Andrew

From: Roberts, Andrew
Sent: Thursday, August 10, 2017 9:49 AM
To: JimBob Marsden
Cc: Craig Smith (csmith@veridian.on.ca); 'Olivera.RADINOVIC@HydroOne.com'; SaraJane.Souliere@HydroOne.com; sanderson@alderville.ca
Subject: Update on the Class Environmental Assessment for the Seaton Municipal Transformer Station in the City of Pickering
Attachments: 151-02610-00_Stage 2 commencement_AFN.pdf

Good morning Chief Marsden, please see the attached update for the Class EA for the Seaton Municipal Transformer Station in the City of Pickering.

The download link and login credentials for the archaeological study referenced in the letter are below.

Should you have any comments or concerns about the Study, please contact me at your convenience.



Your credentials:

Username: ZIPQWALOFB
Password: Mu6PMmfG

Simple access via Web Browser:
<ftp://share-ca.wspgroup.com>

The login above will expire on 2017-09-08 00:00:00 , the site and all its data are deleted automatically after it expires.
No backups are done of the FTP server. Keep a copy of your data to avoid any inconvenience.
Contact us at 1-855-977-4873 or by email at ITCanada-ServiceDesk@wspgroup.com for modification of the site.

Andrew Roberts, M.A.Sc.
Team Leader – Approvals and Permitting
Environment



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August 10, 2017

Chief James R Marsden
Alderville First Nation
Roseneath P.O. Box 46
11696 2nd Line Rd
Alderville, ON
K0K 2X0

Re: Update on the Class Environmental Assessment for the Seaton Municipal Transformer Station located in the City of Pickering, Stage 2 Archaeology

Dear Chief Marsden:

This letter is to provide you with an update on the Class Environmental Assessment (Class EA) for the Seaton Municipal Transformer Station (Seaton TS) project. In October 2016, Veridian Connections (Veridian) and Hydro One Networks Inc. (Hydro One) initiated an updated Class Environmental Assessment (Class EA) to evaluate the construction of a new municipal transformer station (Seaton MTS) and its connection to Hydro One's high voltage transmission system. Through an assessment of anticipated future electricity demand in Pickering, Veridian identified that a new transformer station would best serve the growing number of homes and businesses. To ensure this proposed facility has an adequate supply of power, it must be connected to Hydro One's grid. As communicated previously, Veridian and Hydro One (which incorporated feedback gathered through consultation completed for the proposed project to date) have selected the preferred station site and route option from three alternatives initially identified.

As part of the Class EA study, a Stage 1 Archaeological Assessment was completed for the three station sites and associated transmission line upgrades. The Assessment was submitted to, and accepted into the register by the Ontario Ministry of Tourism, Culture and Sport. A retrieval link to the report will be provided to you by email. Veridian and Hydro One are following the recommendations of the Stage 1 Assessment which requires a Stage 2 Assessment to be completed for the preferred station site and route option. As the preferred station site and associated line tap are located on Ontario Ministry of Infrastructure (MOI) land, licenses and permit to enter the MOI land need to be obtained. The Project Team is planning to complete the field component of the Stage 2 work in mid to late August 2017, pending licenses and permits to enter the MOI land from Infrastructure Ontario.

As always, we welcome your comments and feedback on the Seaton Municipal Transformer Station project at any time during the Class EA process.

If you have any questions, or would like additional information regarding this project, please contact:

Andrew Roberts, Project Manager, Consultant

WSP Canada Inc.

100 Commerce Valley Drive West

Thornhill, Ontario L3T 0A7 Canada

T +1 905-882-4211 #6152

F +1 905-882-0055

C +1 647-821-2734

Andrew.Roberts@wsp.com.

Yours truly,

Veridian Connections

Hydro One Networks Inc.

A handwritten signature in black ink on a light gray rectangular background. The signature appears to read "Craig Smith".A handwritten signature in blue ink. The signature is highly stylized and difficult to decipher, but it appears to be "Brian McCormick".

Craig Smith, P.Eng.
Project Manager Veridian Connections

Brian McCormick
Manager, Environmental Engineering and Project
Support

Cc: Daniel Charbonneau, Senior Manager, First Nations and Métis Relations, Hydro One
Andrew Roberts, Project Manager, Consultant, Veridian Connections
Olivera Radinovic, EA Coordinator, Environmental Engineering and Project Support, Hydro One

Roberts, Andrew

From: Kaitlin Hill <KaitlinH@curvelake.ca>
Sent: Thursday, October 20, 2016 2:39 PM
To: Roberts, Andrew
Cc: Melissa Dokis
Subject: Seaton Transformer Stations Located in the City of Pickering

Good Afternoon,

I just wanted to confirm with you that Curve Lake First Nation has received your letter regarding the Seaton Transformer Stations Located in the City of Pickering, we are not currently aware of any issues that would cause concern with respect to our Traditional, Aboriginal and Treaty rights.

Please note that we have particular concern for the remains of our ancestors. Should excavation unearth bones, remains or other such evidence of a native burial site or any Archaeological findings, we must be notified without delay. In the case of a burial site, Council reminds you of your obligations under the Cemeteries Act to notify the nearest First Nation Government or other community of Aboriginal people which is willing to act as a representative and whose members have a close cultural affinity to the interred person. As I am sure you are aware, the regulations further state that the representative is needed before the remains and associated artifacts can be removed. Should such a find occur, we request that you contact our First Nation immediately.

Curve Lake First Nation also has available, trained Archaeological Liaisons who are able to actively participate in the archaeological assessment process as a member of a field crew, the cost of which will be borne by the proponent.

Thanks,

Kaitlin H.



Kaitlin Hill
Lands and Resources Consultation Liaison
Curve Lake First Nation
Government Services Building
22 Winookeeda Street, Curve Lake, ON K0L 1R0
P: 705.657.8045 F: 705.657.8708
W: www.curvelakefirstnation.ca
E: KaitlinH@curvelake.ca

RADINOVIC Olivera

From: RADINOVIC Olivera
Sent: Friday, February 10, 2017 2:08 PM
To: 'PhyllisW@curvelake.ca'
Cc: 'MelissaD@curvelake.ca'; Andrew.Roberts@wspgroup.com; 'Craig Smith'; SOULIERE Sara Jane; CHARBONNEAU Daniel; RADINOVIC Olivera
Subject: Seaton MTS-Update on the project
Attachments: Map13-39_SeatonTS_GM_BxW_v3 (4).pdf; 151-02610-00_Map13-39_SeatonTS_GM_BxW_v2NoLabels.pdf; 151-02610-00_Curve Lake FN.PDF

Follow Up Flag: Follow up
Flag Status: Flagged

Dear Chief Phyllis Williams,

Thank you for taking the time to discuss the Seaton MTS project with me. As discussed, the reason for my call was to update you on the Seaton MTS project and ask if you are interested to meet with us and learn more about the evaluation criteria, site and route selection process and the preferred site and route option for the Seaton MTS project.

Veridian and Hydro One have selected the preferred station site and route option from three alternatives initially identified. This option was determined based on the analysis of technical, environmental and socio-economic factors, as well as First Nations and Métis, public, and stakeholder feedback. The preferred option (Site 2) is shown on the attached map. I have also attached the Notification Letter and the associated map sent to you in October, 2016 for your reference.

Please note that Hydro One and Veridian are planning to hold the second Public Information Centre (PIC) on March 2, 2017 for the Seaton MTS project to present how the preferred site and route have been selected. The invitation to the PIC will be sent to you sometime next week.

I would be happy to continue my correspondence with Melissa regarding this project to answer any questions that she may have and to confirm Curve Lake First Nation interests in this phase (e.g., Route and Site Selection Process) of the Seaton MTS project.

Chief Williams please let us know if you interested in having a meeting. If so, we would be happy to schedule one.

Best Regards,

Olivera Radinovic
Environmental Planner

Environmental Engineering and Project Support
Hydro One Networks Inc.
483 Bay Street, 14th Floor, North Tower
Toronto, ON, M5G 2P5
Tel: 416 345 6598
Fax: 416 345 6919

This email and any attached files are privileged and may contain confidential information intended only for the

Roberts, Andrew

From: Roberts, Andrew
Sent: Monday, September 18, 2017 2:44 PM
To: 'KaitlinH@curvelake.ca'; 'MelissaD@curvelake.ca'
Cc: Craig Smith (csmith@veridian.on.ca); 'Olivera.RADINOVIC@HydroOne.com'; Sarajane.Souliere@HydroOne.com; Henderson, Sarah
Subject: Update on the Seaton Transformer Station Located in the City of Pickering - Stage 2 archaeology

Good afternoon Kaitlin, Melissa.

As part of the ongoing work for the Environmental Assessment of the Seaton Transformer Station, a Stage 2 Archaeological assessment is being conducted for the preferred site and the associated line tap and transmission line upgrades. Per your request, this email serves as a notice that there has been an archaeological find associated with the Project.

The Stage 2 assessment field work began today. Test pitting in the brush line between the preferred substation site and Taunton Road yielded three (3) pottery fragments in one test pit. Another test pit yielded one (1) additional pottery fragment. The pottery fragments are First Nations in origin.

The Stage 2 work is ongoing. The remainder of the substation site will be investigated with a site walk. Additional test pitting will be completed along the tap line connection and the existing transmission line in the coming days.

Should you have any comments or concerns, please contact me at your convenience.

Best regards,

Andrew Roberts, M.A.Sc.
Team Leader – Approvals and Permitting
Environment



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100 Commerce Valley Drive West
Thornhill, Ontario
L3T 0A7 Canada

wsp.com

Roberts, Andrew

From: Roberts, Andrew
Sent: Thursday, September 28, 2017 9:33 AM
To: 'KaitlinH@curvelake.ca'; 'MelissaD@curvelake.ca'
Cc: Craig Smith (csmith@veridian.on.ca); 'Olivera.RADINOVIC@HydroOne.com'; Henderson, Sarah
Subject: Update on the Seaton Transformer Station project in Pickering - Stage 2 archaeology

Good morning, Kaitlin, Melissa.

I have an update on the Stage 2 archaeological assessment for the Project. Yesterday afternoon our field team was test pitting on the south side of Taunton Road in the area that will be used as a line tap connection for the Project. One of the test pits yielded a pottery fragment. Our work is currently ongoing, and WSP expects to complete the test pits for the line tap connection on the south side of Taunton Road by end of week latest. We are waiting for rainfall before the site walk on the substation site on the north side of Taunton. We will notify you if there are any other archaeological finds as part of the work.

If you have any comments or concerns on the work to date, I would be pleased to discuss them with you.

Best regards,

Andrew

Andrew Roberts, M.A.Sc.
Team Leader – Approvals and Permitting
Environment



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Thornhill, Ontario
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wsp.com

Roberts, Andrew

From: Roberts, Andrew
Sent: Tuesday, October 10, 2017 9:16 AM
To: 'KaitlinH@curvelake.ca'; 'MelissaD@curvelake.ca'
Cc: SaraJane.Souliere@HydroOne.com; 'Olivera.RADINOVIC@HydroOne.com'; Craig Smith (csmith@veridian.on.ca); Henderson, Sarah
Subject: Update on the Seaton Transformer Station project in Pickering - Completion of Stage 2 archaeology field work

Good Morning Kaitlin, Melissa. I have an update on the Stage 2 archaeological assessment for the Project. WSP has completed the site walk for the transformer station part of the Project. Over the weekend, WSP completed the site walk of the transformer station site. Two find spots were found within the field and a third isolated single artifact was found to the north.

- Findspot 1: 10 chert flakes, 11 pottery sherds
- Findspot 2: 1 flake, 4 pottery sherts
- Isolated find: possible core (requires analysis to ensure it is actually a find)

WSP's next task will be to complete the Stage 2 report for submission to MTCS.

As always, if you have any comments or concerns on the work to date, I would be pleased to discuss them with you.

Best regards,

Andrew

Andrew Roberts, M.A.Sc.
Team Leader – Approvals and Permitting
Environment



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100 Commerce Valley Drive West
Thornhill, Ontario
L3T 0A7 Canada

wsp.com

Roberts, Andrew

From: Roberts, Andrew
Sent: Thursday, October 12, 2017 2:00 PM
To: 'Kaitlin Hill'
Cc: SaraJane.Souliere@HydroOne.com; 'Olivera.RADINOVIC@HydroOne.com'; Craig Smith (csmith@veridian.on.ca); Henderson, Sarah; Julie Kapyrka
Subject: RE: Update on the Seaton Transformer Station project in Pickering - Completion of Stage 2 archaeology field work

Kaitlin, thanks for letting me know about Melissa Dokis. I received an email bounce. We'll include Julie Kapyrka on further communications.

We'd be pleased to set up a call with the Team to discuss the project. Is there a suitable time next week?

Thanks,

Andrew

Andrew Roberts, M.A.Sc.
Team Leader – Approvals and Permitting
Environment



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100 Commerce Valley Drive West
Thornhill, Ontario
L3T 0A7 Canada

wsp.com

From: Kaitlin Hill [mailto:KaitlinH@curvelake.ca]
Sent: Tuesday, October 10, 2017 11:19 AM
To: Roberts, Andrew <Andrew.Roberts@wsp.com>
Cc: SaraJane.Souliere@HydroOne.com; 'Olivera.RADINOVIC@HydroOne.com' <Olivera.RADINOVIC@HydroOne.com>; Craig Smith (csmith@veridian.on.ca) <csmith@veridian.on.ca>; Henderson, Sarah <sarah.henderson@wsp.com>; Julie Kapyrka <JulieK@curvelake.ca>
Subject: RE: Update on the Seaton Transformer Station project in Pickering - Completion of Stage 2 archaeology field work

Good morning Andrew,

I would just like to let you know that Melissa Dokis is not currently working for our organization. Julie Kapyrka has taken her place. I know that Melissa was involved with this project before she left. Would it be possible that we can set up a



HIAWATHA FIRST NATION
123 Paudash Street
Hiawatha, ON K9J 0E6

Chief:	Greg Cowie
Councillor:	Kirk Edwards
Councillor:	Lorne Paudash
Councillor:	Trisha Shearer
Councillor:	Art Vowles
Councillor:	Katie Wilson

June 16, 2015

Dear Mr. Roberts;

Thank you for the information you sent to Hiawatha First Nation regarding Seaton Municipal Transformer Station which is being proposed within Hiawatha First Nation's Traditional and Treaty Territories. Hiawatha First Nation appreciates that WSP Canada Inc. and Veridian Connections recognize the importance of First Nations Consultation and that your office is conforming to the requirements within the Duty to Consult Process. The correspondence Hiawatha First Nation has received is not considered meaningful consultation but rather information sharing.

As per the Hiawatha First Nation Consultation Protocol, your proposed project is deemed to have potential to impact Hiawatha First Nation's traditional territory and/or rights. Please keep us apprised of any updates, archaeological findings, and/or of any environmental impacts, should they occur. Hiawatha First Nation requests you contact us if archaeological artifacts are found as we require our trained archaeological liaisons be present at the archaeological sites during the assessments. We also ask that you forward any archaeological reports to Hiawatha First Nation as they are completed. Any maps pertaining to the project should be sent to Hiawatha First Nation in a shape file.

Hiawatha First Nation reserves the right to provide additional comment should further development result in additional potential impact on our traditional territory and rights. Please be aware that while we request to be kept apprised throughout all phases of this project, we may not always have representation at all stakeholders meetings.

Further correspondence may be directed to my attention at the mailing address above or the e-mail address below.

In good faith and respect,

Lori Loucks
Core Consultation Worker
Hiawatha First Nation

lloucks@hiawathafn.ca
Tele: (705) 295-7771
Fax: (705) 295-7131

cc. Craig Smith – Veridian Connections

Roberts, Andrew

From: Olivera.RADINOVIC@HydroOne.com
Sent: Monday, February 13, 2017 2:06 PM
To: tcowie@hiawathafn.ca
Cc: csmith@veridian.on.ca; Roberts, Andrew; SaraJane.Souliere@HydroOne.com; Daniel.Charbonneau@HydroOne.com
Subject: Seaton MTS-Update on the project-Hiawatha FN
Attachments: Map13-39_SeatonTS_GM_BxW_v3 (4).pdf; 151-02610-00_Map13-39_SeatonTS_GM_BxW_v2NoLabels.pdf; 151-02610-00_Hiawatha FN.PDF

Hello Mr. Cowie,

Thank you for taking the time to discuss the Seaton MTS project with me. As discussed, the reason for my call was to update you on the Seaton MTS project and ask if you are interested to meet with us and learn more about the evaluation criteria, site and route selection process and the preferred site and route option for the Seaton MTS project.

Veridian and Hydro One have selected the preferred station site and route option from three alternatives initially identified. This option was determined based on the analysis of technical, environmental and socio-economic factors, as well as First Nations and Métis, public, and stakeholder feedback. The preferred option (Site 2) is shown on the attached map. I have also attached the Notification Letter and the associated map sent to you in October, 2016 for your reference.

Please note that Hydro One and Veridian are planning to hold the second Public Information Centre (PIC) on March 2, 2017 for the Seaton MTS project to present how the preferred site and route have been selected (as discussed above). The invitation to the PIC will be sent to you tomorrow.

I would be happy to continue my correspondence with you regarding this project to answer any questions that you may have.

Please let us know if you interested in having a meeting. If so, we would be happy to schedule one.

Best Regards,

Olivera Radinovic
Environmental Planner

Environmental Engineering and Project Support
Hydro One Networks Inc.
483 Bay Street, 14th Floor, North Tower
Toronto, ON, M5G 2P5
Tel: 416 345 6598
Fax: 416 345 6919


Roberts, Andrew

From: Roberts, Andrew
Sent: Thursday, August 10, 2017 10:10 AM
To: chiefcarr@hiawathafn.ca
Cc: Craig Smith (csmith@veridian.on.ca); 'Olivera.RADINOVIC@HydroOne.com'; Sarajane.Souliere@HydroOne.com; tcowie@hiawathafn.ca
Subject: Update on the Class Environmental Assessment for the Seaton Municipal Transformer Station in the City of Pickering
Attachments: 151-02610-00_Stage 2 commencement_HFN.pdf

Good morning Chief Carr, please see the attached update for the Class EA for the Seaton Municipal Transformer Station in the City of Pickering.

The download link and login credentials for the archaeological study referenced in the letter are below.

Should you have any comments or concerns about the Study, please contact me at your convenience.



Your credentials:

Username: ZIPQWALOFB
Password: Mu6PMmfG

Simple access via Web Browser:
<ftp://share-ca.wspgroup.com>

The login above will expire on 2017-09-08 00:00:00 , the site and all its data are deleted automatically after it expires.
No backups are done of the FTP server. Keep a copy of your data to avoid any inconvenience.
Contact us at 1-855-977-4873 or by email at ITCanada-ServiceDesk@wspgroup.com for modification of the site.

Andrew Roberts, M.A.Sc.
Team Leader – Approvals and Permitting
Environment



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August 10, 2017

Chief Laurie Carr
Hiawatha First Nation
123 Paudash Street
Hiawatha, Ontario
K9J 0E6

Re: Update on the Class Environmental Assessment for the Seaton Municipal Transformer Station located in the City of Pickering, Stage 2 Archaeology

Dear Chief Carr:

This letter is to provide you with an update on the Class Environmental Assessment (Class EA) for the Seaton Municipal Transformer Station (Seaton TS) project. In October 2016, Veridian Connections (Veridian) and Hydro One Networks Inc. (Hydro One) initiated an updated Class Environmental Assessment (Class EA) to evaluate the construction of a new municipal transformer station (Seaton MTS) and its connection to Hydro One's high voltage transmission system. Through an assessment of anticipated future electricity demand in Pickering, Veridian identified that a new transformer station would best serve the growing number of homes and businesses. To ensure this proposed facility has an adequate supply of power, it must be connected to Hydro One's grid. As communicated previously, Veridian and Hydro One (which incorporated feedback gathered through consultation completed for the proposed project to date) have selected the preferred station site and route option from three alternatives initially identified.

As part of the Class EA study, a Stage 1 Archaeological Assessment was completed for the three station sites and associated transmission line upgrades. The Assessment was submitted to, and accepted into the register by the Ontario Ministry of Tourism, Culture and Sport. A retrieval link to the report will be provided to you by email. Veridian and Hydro One are following the recommendations of the Stage 1 Assessment which requires a Stage 2 Assessment to be completed for the preferred station site and route option. As the preferred station site and associated line tap are located on Ontario Ministry of Infrastructure (MOI) land, licenses and permit to enter the MOI land need to be obtained. The Project Team is planning to complete the field component of the Stage 2 work in mid to late August 2017, pending licenses and permits to enter the MOI land from Infrastructure Ontario.

As always, we welcome your comments and feedback on the Seaton Municipal Transformer Station project at any time during the Class EA process.

If you have any questions, or would like additional information regarding this project, please contact:

Andrew Roberts, Project Manager, Consultant

WSP Canada Inc.

100 Commerce Valley Drive West

Thornhill, Ontario L3T 0A7 Canada

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F +1 905-882-0055

C +1 647-821-2734

Andrew.Roberts@wsp.com.

Yours truly,

Veridian Connections

Hydro One Networks Inc.

A handwritten signature in black ink on a light gray rectangular background. The signature appears to read "Craig Smith".A handwritten signature in blue ink. The signature is highly stylized and difficult to decipher, but it appears to be "Brian McCormick".

Craig Smith, P.Eng.
Project Manager Veridian Connections

Brian McCormick
Manager, Environmental Engineering and Project
Support

Cc: Daniel Charbonneau, Senior Manager, First Nations and Métis Relations, Hydro One
Andrew Roberts, Project Manager, Consultant, Veridian Connections
Olivera Radinovic, EA Coordinator, Environmental Engineering and Project Support, Hydro One

Roberts, Andrew

From: Tom Cowie <tcowie@hiawathafn.ca>
Sent: Friday, August 18, 2017 12:03 PM
To: Roberts, Andrew
Subject: RE: Update on the Class Environmental Assessment for the Seaton Municipal Transformer Station in the City of Pickering

Thank you I can read it. Have a good weekend.

From: Roberts, Andrew [mailto:Andrew.Roberts@wsp.com]
Sent: Friday, August 18, 2017 10:40 AM
To: Tom Cowie
Cc: 'Olivera.RADINOVIC@HydroOne.com'; Craig Smith (csmith@veridian.on.ca)
Subject: FW: Update on the Class Environmental Assessment for the Seaton Municipal Transformer Station in the City of Pickering

Good morning Tom, I understand from your conversation with Olivera that you were having trouble retrieving the Stage 1 archaeological assessment. If you are still having trouble with the login information below please let me know and I'll split the document into sections that can be emailed to you, or arrange to have a hardcopy sent to you.

Best regards,

Andrew

Andrew Roberts, M.A.Sc.
Team Leader – Approvals and Permitting
Environment



T+ 1 905-882-4211 #6152
M+ 1 647-821-2734

100 Commerce Valley Drive West
Thornhill, Ontario
L3T 0A7 Canada

wsp.com

From: Roberts, Andrew
Sent: Thursday, August 10, 2017 10:09 AM
To: 'chiefcarr@hiawathafn.ca' <chiefcarr@hiawathafn.ca>
Cc: Craig Smith (csmith@veridian.on.ca) <csmith@veridian.on.ca>; 'Olivera.RADINOVIC@HydroOne.com' <Olivera.RADINOVIC@HydroOne.com>; SaraJane.Souliere@HydroOne.com; 'tcowie@hiawathafn.ca' <tcowie@hiawathafn.ca>

Roberts, Andrew

From: Maxime Picard <maxime.picard@cnhw.qc.ca>
Sent: Wednesday, September 28, 2016 11:33 AM
To: Roberts, Andrew
Cc: Melanie Vincent
Subject: Seaton Municipal Transformer Station
Attachments: 151-02610-00_Huron Wendat.pdf

Hello Mr. Roberts,

First we would like to thank you for your letter dated September 26 on the Seaton Municipal Transformer Station. Before providing you any feedback on the project we would like to ask you if you could provide us the shapefiles of the study zone please.

Don't hesitate if you have any question,

Best regards,

Maxime Picard



NATION HURONNE-WENDAT
Bureau du Nionwentsïo

Maxime Picard, B. Sc. A.
Coordonnateur de projets - Ontario
255, Place Chef Michel-Laveau
Wendake (Qc) G0A 4V0
Téléphone : 418-843-3767 # 2105
Courriel : maxime.picard@cnhw.qc.ca

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Roberts, Andrew

From: Roberts, Andrew
Sent: Thursday, October 20, 2016 4:03 PM
To: Maxime Picard
Cc: Melanie Vincent; sonia.laine@CNHW.Qc.ca; Olivera.RADINOVIC@HydroOne.com; Craig Smith (csmith@veridian.on.ca)
Subject: RE: Seaton Municipal Transformer Station
Attachments: SeatonTS shapefiles.zip; Map13-39_SeatonTS_GM_BxW_v2.pdf; HON Ad_Seaton_8.5x12.pdf

Good afternoon, Maxime. Please find attached a .zip archive that contains shapefiles of the study area. I've also included a .pdf copy of the study area map.

In addition, I've attached an updated Notice of Commencement and invitation to the Public Information Centre for the Project. The ad will run in the Pickering News Advertiser on October 20, 2016 and October 27, 2016.

Should you have any comments or concerns about the material, please contact me at your convenience.

Best Regards,

Andrew



Andrew Roberts, M.A.Sc.
Team Leader – Approvals and Permitting, Environment

WSP Canada Inc.
100 Commerce Valley Drive West
Thornhill, Ontario L3T 0A7 Canada
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F +1 905-882-0055
C +1 647-821-2734

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Roberts, Andrew

From: Maxime Picard <maxime.picard@cnhw.qc.ca>
Sent: Tuesday, October 25, 2016 8:41 AM
To: Roberts, Andrew
Subject: RE: ***UNCHECKED*** RE: Seaton Municipal Transformer Station

Hi Andrew,

As the Huron-Wendat Nation has some archaeological sites near your site project we insist to stay informed about it and to receive the upcoming archaeological assessment.

Best regards,

Maxime



NATION HURONNE-WENDAT
Bureau du Nionwentsio

Maxime Picard, B. Sc. A.
Coordonnateur de projets - Ontario
255, Place Chef Michel-Laveau
Wendake (Qc) G0A 4V0
Téléphone : 418-843-3767 # 2105
Courriel : maxime.picard@cnhw.qc.ca

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De : Roberts, Andrew [mailto:Andrew.Roberts@wspgroup.com]
Envoyé : 24 octobre 2016 16:04
À : Maxime Picard
Cc : Olivera.RADINOVIC@HydroOne.com; Craig Smith (csmith@veridian.on.ca)
Objet : ***UNCHECKED*** RE: Seaton Municipal Transformer Station

Maxime, there is a Stage 1 Archaeological Assessment that is underway as part of the study. A Project Information File (PIF) is open with the Ministry of Tourism Culture and Sport (MTCS), but the report has not been finalized and submitted. We expect to have this report complete over the next month or so.

Best regards,

Andrew



Andrew Roberts, M.A.Sc.
Team Leader – Approvals and Permitting, Environment

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100 Commerce Valley Drive West
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From: Maxime Picard [mailto:maxime.picard@cnhw.qc.ca]
Sent: Monday, October 24, 2016 3:22 PM
To: Roberts, Andrew
Subject: RE: Seaton Municipal Transformer Station

Hello Andrew,

Thanks for your collaboration.

Is there any archaeological assessment that has been done for the project at this time ?

Regards,

Maxime



NATION HURONNE-WENDAT
Bureau du Nionwentsio

Maxime Picard, B. Sc. A.
Coordonnateur de projets - Ontario
255, Place Chef Michel-Laveau
Wendake (Qc) G0A 4V0
Téléphone : 418-843-3767 # 2105
Courriel : maxime.picard@cnhw.qc.ca



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Roberts, Andrew

From: Roberts, Andrew
Sent: Tuesday, October 25, 2016 12:28 PM
To: Maxime Picard
Cc: Olivera.RADINOVIC@HydroOne.com; Craig Smith (csmith@veridian.on.ca)
Subject: RE: ***UNCHECKED*** RE: Seaton Municipal Transformer Station

Thank you Maxime. We will ensure that Huron-Wendat Nation is informed for all stages of the EA, and we would be pleased to share the Archaeological Assessment when it has been completed.

Best regards,

Andrew



Andrew Roberts, M.A.Sc.
Team Leader – Approvals and Permitting, Environment

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Roberts, Andrew

From: Olivera.RADINOVIC@HydroOne.com
Sent: Monday, February 13, 2017 2:07 PM
To: maxime.picard@cnhw.qc.ca
Cc: csmith@veridian.on.ca; Roberts, Andrew; SaraJane.Souliere@HydroOne.com; Daniel.Charbonneau@HydroOne.com
Subject: Seaton MTS-Update on the project-Huron Wendat
Attachments: Map13-39_SeatonTS_GM_BxW_v3 (4).pdf; 151-02610-00_Map13-39_SeatonTS_GM_BxW_v2NoLabels.pdf; 151-02610-00_Huron Wendat.pdf

Hello Mr. Picard,

Thank you for taking the time to discuss the Seaton MTS project with me. As discussed, the reason for my call was to update you on the Seaton MTS project and ask if you are interested to meet (via WebEx or conference call) with us and learn more about the evaluation criteria, site and route selection process and the preferred site and route option for the Seaton MTS project.

Veridian and Hydro One have selected the preferred station site and route option from three alternatives initially identified. This option was determined based on the analysis of technical, environmental and socio-economic factors, as well as First Nations and Métis, public, and stakeholder feedback. The preferred option (Site 2) is shown on the attached map. I have also attached the Notification Letter and the associated map sent to you in October, 2016 for your reference.

Please note that Hydro One and Veridian are planning to hold the second Public Information Centre (PIC) on March 2, 2017 for the Seaton MTS project to present how the preferred site and route have been selected (as discussed above). The invitation to the PIC will be sent to you tomorrow.

I would be happy to continue my correspondence with you regarding this project to answer any questions that you may have.

Please let us know if you interested in having the WebEx or conference call meeting. If so, we would be happy to schedule one.

Best Regards,

Olivera Radinovic
Environmental Planner

Environmental Engineering and Project Support
Hydro One Networks Inc.
483 Bay Street, 14th Floor, North Tower
Toronto, ON, M5G 2P5
Tel: 416 345 6598
Fax: 416 345 6919

Correspondence HW6

Roberts, Andrew

From: Olivera.RADINOVIC@HydroOne.com
Sent: Wednesday, March 01, 2017 8:52 AM
To: maxime.picard@cnhw.qc.ca
Cc: csmith@veridian.on.ca; Roberts, Andrew; SaraJane.Souliere@HydroOne.com
Subject: RE: Seaton MTS-Update on the project-Huron Wendat

Thanks Maxime! We will contact you once we have more details regarding the upcoming archaeological assessment, Stage 2.

Best Regards,

Olivera Radinovic
Environmental Planner

Environmental Engineering and Project Support
Hydro One Networks Inc.
483 Bay Street, 14th Floor, North Tower
Toronto, ON, M5G 2P5
Tel: 416 345 6598
Fax: 416 345 6919

From: Maxime Picard [mailto:maxime.picard@cnhw.qc.ca]
Sent: Tuesday, February 28, 2017 8:41 AM
To: RADINOVIC Olivera
Subject: RE: Seaton MTS-Update on the project-Huron Wendat

Hello Olivera,

Thanks for clarifying the situation.
The Huron-Wendat Nation is for sure interested in participating in any upcoming archaeological assessment.

Best regards,

Maxime



NATION HURONNE-WENDAT
Bureau du Nionwentsio

Maxime Picard, B. Sc. A.
Coordonnateur de projets - Ontario
255, Place Chef Michel-Laveau
Wendake (Qc) G0A 4V0
Téléphone : 418-843-3767 # 2105
Courriel : maxime.picard@cnhw.qc.ca



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De : Olivera.RADINOVIC@HydroOne.com [<mailto:Olivera.RADINOVIC@HydroOne.com>]

Envoyé : 27 février 2017 11:15

À : maxime.picard@cnhw.qc.ca

Cc : csmith@veridian.on.ca; Andrew.Roberts@wspgroup.com; SaraJane.Souliere@HydroOne.com; Daniel.Charbonneau@HydroOne.com; Olivera.RADINOVIC@HydroOne.com

Objet : RE: Seaton MTS-Update on the project-Huron Wendat

Hello Maxime,

Thank you for your response. So far the archaeological Assessment, stage 1 was done for the three proposed station sites and associated line option. The archaeological Assessment, stage 1 report has been submitted to the Ministry of Tourism and Culture for their review. We would be happy to share this report with you once it has been finalized and registered.

Furthermore, the archeological Assessment, Stage 2 will be done only on the preferred station site and associate line option. We will also be in contact with you in case that your community would like to participate.

Best Regards,

Olivera Radinovic
Environmental Planner

Environmental Engineering and Project Support
Hydro One Networks Inc.
483 Bay Street, 14th Floor, North Tower
Toronto, ON, M5G 2P5
Tel: 416 345 6598
Fax: 416 345 6919

From: Maxime Picard [<mailto:maxime.picard@cnhw.qc.ca>]
Sent: Tuesday, February 14, 2017 11:01 AM
To: RADINOVIC Olivera
Subject: Re: Seaton MTS-Update on the project-Huron Wendant

Hello Olivera,

Thanks again for your call last week.

As we said during our call, the Huron-Wendat Nation would like to know at wich point are you with the archaeology of this project at the moment ?

Would it be possible for you to send us the arcaheological assessment of this project that have been done to date please.

Best regards,

Maxime

Roberts, Andrew

From: Roberts, Andrew
Sent: Thursday, August 10, 2017 9:49 AM
To: 'maxime.picard@cnhw.qc.ca'
Cc: Craig Smith (csmith@veridian.on.ca); 'Olivera.RADINOVIC@HydroOne.com'; SaraJane.Souliere@HydroOne.com
Subject: Update on the Class Environmental Assessment for the Seaton Municipal Transformer Station in the City of Pickering
Attachments: 151-02610-00_Stage 2 commencement_HWFN.pdf

Hello Maxime, please see the attached update for the Class EA for the Seaton Municipal Transformer Station in the City of Pickering.

The download link and login credentials for the archaeological study referenced in the letter are below.

Should you have any comments or concerns about the Study, please contact me at your convenience.



Your credentials:

Username: ZIPQWALOFB
Password: Mu6PMmfG

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<ftp://share-ca.wspgroup.com>

The login above will expire on 2017-09-08 00:00:00 , the site and all its data are deleted automatically after it expires.
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Contact us at 1-855-977-4873 or by email at ITCanada-ServiceDesk@wspgroup.com for modification of the site.

Andrew Roberts, M.A.Sc.
Team Leader – Approvals and Permitting
Environment



August 10, 2017

Maxime Picard, B.Sc.A.
Coordonnateur de projects – Ontario
Nation Huronne-Wendat
255, Place Chef Michel-Laveau
Wendake Qc G0A 4V0

Re: Update on the Class Environmental Assessment for the Seaton Municipal Transformer Station located in the City of Pickering, Stage 2 Archaeology

Dear Mr Picard:

This letter is to provide you with an update on the Class Environmental Assessment (Class EA) for the Seaton Municipal Transformer Station (Seaton TS) project. In October 2016, Veridian Connections (Veridian) and Hydro One Networks Inc. (Hydro One) initiated an updated Class Environmental Assessment (Class EA) to evaluate the construction of a new municipal transformer station (Seaton MTS) and its connection to Hydro One's high voltage transmission system. Through an assessment of anticipated future electricity demand in Pickering, Veridian identified that a new transformer station would best serve the growing number of homes and businesses. To ensure this proposed facility has an adequate supply of power, it must be connected to Hydro One's grid. As communicated previously, Veridian and Hydro One (which incorporated feedback gathered through consultation completed for the proposed project to date) have selected the preferred station site and route option from three alternatives initially identified.

As part of the Class EA study, a Stage 1 Archaeological Assessment was completed for the three station sites and associated transmission line upgrades. The Assessment was submitted to, and accepted into the register by the Ontario Ministry of Tourism, Culture and Sport. A retrieval link to the report will be provided to you by email. Veridian and Hydro One are following the recommendations of the Stage 1 Assessment which requires a Stage 2 Assessment to be completed for the preferred station site and route option. As the preferred station site and associated line tap are located on Ontario Ministry of Infrastructure (MOI) land, licenses and permit to enter the MOI land need to be obtained. The Project Team is planning to complete the field component of the Stage 2 work in mid to late August 2017, pending licenses and permits to enter the MOI land from Infrastructure Ontario.

As previously noted in our correspondence regarding the Project, you expressed interest in participating in the Stage 2 Assessment. As always, we welcome your comments and feedback on the Seaton Municipal Transformer Station project at any time during the Class EA process. At your request, we would be pleased to arrange to have Field Monitors / Field Liaison Representatives from your community participate in the Stage 2 Assessment.

If you have any questions, or would like additional information regarding this project, please contact:

Andrew Roberts, Project Manager, Consultant

WSP Canada Inc.

100 Commerce Valley Drive West

Thornhill, Ontario L3T 0A7 Canada

T +1 905-882-4211 #6152

F +1 905-882-0055

C +1 647-821-2734

Andrew.Roberts@wsp.com.

Yours truly,

Veridian Connections

Hydro One Networks Inc.

A handwritten signature in black ink on a light gray rectangular background. The signature appears to read "Craig Smith".A handwritten signature in blue ink. The signature is highly stylized and difficult to decipher, but it appears to be "Brian McCormick".

Craig Smith, P.Eng.
Project Manager Veridian Connections

Brian McCormick
Manager, Environmental Engineering and Project
Support

Cc: Daniel Charbonneau, Senior Manager, First Nations and Métis Relations, Hydro One
Andrew Roberts, Project Manager, Consultant, Veridian Connections
Olivera Radinovic, EA Coordinator, Environmental Engineering and Project Support, Hydro One

From: Roberts, Andrew
Sent: Monday, August 21, 2017 8:58 AM
To: 'Maxime Picard'
Cc: Craig Smith; Olivera.RADINOVIC@HydroOne.com; SaraJane.Souliere@HydroOne.com
Subject: RE: Update on the Class Environmental Assessment for the Seaton Municipal Transformer Station in the City of Pickering

Thanks for the confirmation, Maxime.

The Stage 2 work has not begun except for the preparation of the substation site (ploughing) for the site walk. We have scheduled utility locates for the transmission line and tap line connection for this week. We have tentatively planned the commencement of the work for the week of August 28. We expect the test pitting along the transmission line and tap line connection to take between 8-10 working days, and the site walk of the substation site to take approximately 4 hours (half day) to complete.

Best regards,

Andrew

From: Maxime Picard [mailto:maxime.picard@cnhw.qc.ca]
Sent: Monday, August 21, 2017 8:51 AM
To: Roberts, Andrew <Andrew.Roberts@wsp.com>
Cc: Craig Smith <csmith@veridian.on.ca>; Olivera.RADINOVIC@HydroOne.com; SaraJane.Souliere@HydroOne.com
Subject: RE: Update on the Class Environmental Assessment for the Seaton Municipal Transformer Station in the City of Pickering

Hi Andrew,

Thanks for sending me back the information.
I effectively didn't receive it at your first attempt.

Could you please let me know if the Stage 2 assessment has begun ?

Best,

Maxime

Subject: Update on the Class Environmental Assessment for the Seaton Municipal Transformer Station in the City of Pickering

Good morning Chief Carr, please see the attached update for the Class EA for the Seaton Municipal Transformer Station in the City of Pickering.

The download link and login credentials for the archaeological study referenced in the letter are below.

Should you have any comments or concerns about the Study, please contact me at your convenience.



Your credentials:

Username: ZIPQWALOFB
Password: Mu6PMmfG

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Contact us at 1-855-977-4873 or by email at ITCanada-ServiceDesk@wspgroup.com for modification of the site.

Andrew Roberts, M.A.Sc.
Team Leader – Approvals and Permitting
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M+ 1 647-821-2734

100 Commerce Valley Drive West
Thornhill, Ontario
L3T 0A7 Canada

wsp.com

Correspondence HW9

Roberts, Andrew

From: Henderson, Sarah
Sent: Monday, October 30, 2017 8:45 AM
To: Roberts, Andrew
Subject: FW: Veridian

Sarah Henderson, M.A
T +1 905-750-3080 #16312



From: Henderson, Sarah
Sent: Friday, September 29, 2017 8:30 AM
To: 'Maxime Picard' <maxime.picard@cnhw.qc.ca>
Subject: RE: Veridian

Hi Maxime

Thank you for the update. I will keep you updated with the findings and the progress of the project.

Cheers
Sarah

Sarah Henderson, M.A
T +1 905-750-3080 #16312



From: Maxime Picard [<mailto:maxime.picard@cnhw.qc.ca>]
Sent: Friday, September 29, 2017 8:27 AM
To: Henderson, Sarah <sarah.henderson@wsp.com>
Subject: RE: Veridian

Hi Sarah,

Unfortunately for only one day of work i twill not worth the traveling effort.
We are comfortable with you going on site and updating us about the results of that day.

Let's keep in touch,

Best,

Maxime



NATION HURONNE-WENDAT
Bureau du Nionwentsïo

Maxime Picard, B. Sc. A.

Coordonnateur de projets - Ontario

255, Place Chef Michel-Laveau

Wendake (Qc) G0A 4V0

Téléphone : 418-843-3767 # 2105

Courriel : maxime.picard@cnhw.qc.ca



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De : Henderson, Sarah [<mailto:sarah.henderson@wsp.com>]

Envoyé : 28 septembre 2017 18:10

À : Maxime Picard

Objet : RE: Veridian

Hi Maxime

They have completed the test pitting today and the intensification around the positive test pits. The field walking will occur on October 7th, 2017 (Saturday). This will only be one day. Please let me know if you will be able to send someone out for that day. The meeting location and contact information for the field director is all the same.

If you have any questions or concerns please feel free to give me a shout.

Cheers

Sarah

Sarah Henderson, M.A

T +1 905-750-3080 #16312



From: Maxime Picard [<mailto:maxime.picard@cnhw.qc.ca>]

Sent: Thursday, September 28, 2017 3:14 PM

To: Henderson, Sarah <sarah.henderson@wsp.com>

Subject: RE: Veridian

Thanks.

Please keep me updated.



NATION HURONNE-WENDAT
Bureau du Nionwentsïo

Maxime Picard, B. Sc. A.

Coordonnateur de projets - Ontario

255, Place Chef Michel-Laveau

Wendake (Qc) G0A 4V0

Téléphone : 418-843-3767 # 2105

Courriel : maxime.picard@cnhw.qc.ca



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De : Henderson, Sarah [<mailto:sarah.henderson@wsp.com>]

Envoyé : 28 septembre 2017 15:13

À : Maxime Picard

Objet : RE: Veridian

Hi Maxime

The field walking will be completed in one day.

Cheers

Sarah

Sarah Henderson, M.A

T +1 905-750-3080 #16312



From: Maxime Picard [<mailto:maxime.picard@cnhw.qc.ca>]

Sent: Thursday, September 28, 2017 3:06 PM

To: Henderson, Sarah <sarah.henderson@wsp.com>

Subject: RE: Veridian

Hi Sarah,

Do you have an idea of how many days of field walking will be needed ?



NATION HURONNE-WENDAT
Bureau du Nionwentsïo

Maxime Picard, B. Sc. A.

Coordonnateur de projets - Ontario

255, Place Chef Michel-Laveau

Wendake (Qc) G0A 4V0

Téléphone : 418-843-3767 # 2105

Courriel : maxime.picard@cnhw.qc.ca



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De : Henderson, Sarah [<mailto:sarah.henderson@wsp.com>]

Envoyé : 28 septembre 2017 15:04

À : Maxime Picard

Objet : RE: Veridian

Hi Maxime

The crew will be completing the test pitting and intensification around the positive test pits that they have encounter within the study area today. The field walking will have to wait for the field to be properly weathered. We are anticipating continuing with the field walking on October 7th, 2017. I can confirm with you once the date becomes closer.

Please let me know if you have any questions or concerns.

Cheers

Sarah

Sarah Henderson, M.A

T +1 905-750-3080 #16312



From: Maxime Picard [<mailto:maxime.picard@cnhw.qc.ca>]

Sent: Thursday, September 28, 2017 10:24 AM

To: Henderson, Sarah <sarah.henderson@wsp.com>

Subject: Veridian

Hi Sarah,

How is the work going this week ?

Still expect to have finished tomorrow ?

Best,

Maxime



NATION HURONNE-WENDAT
Bureau du Nionwentsiö

Maxime Picard, B. Sc. A.
Coordonnateur de projets - Ontario

255, Place Chef Michel-Laveau
Wendake (Qc) G0A 4V0
Téléphone : 418-843-3767 # 2105
Courriel : maxime.picard@cnhw.qc.ca

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*Do you really need to print this email?
Think to the environment*

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-LAEhHhHzdJzBITWfa4Hgs7pbKl



NATION
huronne-wendat



Bureau du
Nionwentsio

Wendake, November 27, 2017

Mr. Craig Smith
Manager, Planning & Maintenance
55 Taunton Road East
Ajax (Ontario) L1T 3V3

RE: Comment on the Seaton Municipal Transformer Station Stage 1 Archaeological Report

Dear Sir,

We have completed our review of the Stage 1 of the aforementioned report that you have forwarded to the Huron-Wendat Nation. We would like to thank you for the opportunity of having the Huron-Wendat Nation review this documentation.

We have no further comments at this point and we approve of the Stage 1 report as presented. However, as you may know, there are three ancestral Wendat villages registered within a one-kilometer radius of the project area, including AIGs-101, Delancey; AIGs-102, Bolitho; and AIGs-103, Winnifred (see map attached).

The Huron-Wendat Nation makes it a priority to protect our cultural and archaeological heritage and monitor any project that can potentially impact it. We are therefore requesting to be involved in all further stages and remain fully engaged throughout the process.

The Huron-Wendat Nation is looking forward to continuing to work with Hydro-One in a spirit of collaboration and partnership.

Yours truly,

Louis Lesage, PhD
Director of the Nionwentsio Office

C.C. Mr. Daniel Charbonneau

Roberts, Andrew

From: Olivera.RADINOVIC@HydroOne.com
Sent: Monday, February 13, 2017 3:08 PM
To: info@spiritofthestone.ca
Cc: csmith@veridian.on.ca; Roberts, Andrew; SaraJane.Souliere@HydroOne.com; Daniel.Charbonneau@HydroOne.com
Subject: Seaton MTS-Update on the project-Kawartha Nishnawbe FN
Attachments: 151-02610-00_Kawartha Nishnawbe.pdf; 151-02610-00_Map13-39_SeatonTS_GM_BxW_v2NoLabels.pdf; Map13-39_SeatonTS_GM_BxW_v3 (4).pdf

Dear Chief Kris Nahrgang,

Further to my phone message, this email is to update you on the Seaton MTS project and ask if you are interested to meet with us and learn more about the evaluation criteria, site and route selection process and the preferred site and route option for the Seaton MTS project.

Veridian and Hydro One have selected the preferred station site and route option from three alternatives initially identified. This option was determined based on the analysis of technical, environmental and socio-economic factors, as well as First Nations and Métis, public, and stakeholder feedback. The preferred option (Site 2) is shown on the attached map. I have also attached the Notification Letter and the associated map sent to you in October, 2016 for your reference.

Please note that Hydro One and Veridian are planning to hold the second Public Information Centre (PIC) on March 2, 2017 for the Seaton MTS project to present how the preferred site and route have been selected (as discussed above). The invitation to the PIC will be sent to you tomorrow.

I would be happy to answer any questions that you may have regarding this project.

Please let us know if you interested in having a meeting. If so, we would be happy to schedule one.

Best Regards,

Olivera Radinovic
Environmental Planner

Environmental Engineering and Project Support
Hydro One Networks Inc.
483 Bay Street, 14th Floor, North Tower
Toronto, ON, M5G 2P5
Tel: 416 345 6598
Fax: 416 345 6919

Roberts, Andrew

From: Olivera.RADINOVIC@HydroOne.com
Sent: Monday, February 13, 2017 2:02 PM
To: dmowat@scugogfirstnation.com
Cc: csmith@veridian.on.ca; Roberts, Andrew; SaraJane.Souliere@HydroOne.com; Daniel.Charbonneau@HydroOne.com
Subject: Seaton MTS-Update on the project-Mississaugas of Scugog Island FN
Attachments: 151-02610-00_Mississaugas of Scugog Island FN.PDF; Map13-39_SeatonTS_GM_BxW_v3 (4).pdf; 151-02610-00_Map13-39_SeatonTS_GM_BxW_v2NoLabels.pdf

Hello Mr. Mowat,

Thank you for taking the time to discuss the Seaton MTS project with me. As discussed, the reason for my call was to update you on the Seaton MTS project and ask if you are interested to meet with us and learn more about the evaluation criteria, site and route selection process and the preferred site and route option for the Seaton MTS project.

Veridian and Hydro One have selected the preferred station site and route option from three alternatives initially identified. This option was determined based on the analysis of technical, environmental and socio-economic factors, as well as First Nations and Métis, public, and stakeholder feedback. The preferred option (Site 2) is shown on the attached map. I have also attached the Notification Letter and the associated map sent to you in October, 2016 for your reference.

Please note that Hydro One and Veridian are planning to hold the second Public Information Centre (PIC) on March 2, 2017 for the Seaton MTS project to present how the preferred site and route have been selected (as discussed above). The invitation to the PIC will be sent to you tomorrow.

I would be happy to continue my correspondence with you regarding this project to answer any questions that you may have.

Please let us know if you interested in having a meeting. If so, we would be happy to schedule one.

Best Regards,

Olivera Radinovic
Environmental Planner

Environmental Engineering and Project Support
Hydro One Networks Inc.
483 Bay Street, 14th Floor, North Tower
Toronto, ON, M5G 2P5
Tel: 416 345 6598
Fax: 416 345 6919



September 8, 2017

Chief Kelly LaRocca
Mississaugas of Scugog Island First Nation
Administration Building
22521 Island Road
Port Perry, ON
L9L 1B6

Re: Update on the Class Environmental Assessment for the Seaton Municipal Transformer Station located in the City of Pickering, Stage 2 Archaeology

Dear Chief LaRocca:

This is a follow up letter resulting from an in person discussion between Sara Jane Souliere, Hydro One Indigenous Relations and Dave Mowat, Mississaugas of Scugog Island First Nation Consultation Specialist. Sara Jane and Dave met at the Anishinabek Nation/Hydro One regional meeting on August 17, 2017. At that time Mr. Mowat was provided a brief update regarding the Seaton Transformer project. Following that brief interaction Sara Jane telephone Mr. Mowat to provide a more fulsome verbal update on August 31, 2017. At that time Mr. Mowat expressed an interested in the upcoming Archaeological Assessment and requested that Mississaugas of Scugog participate in having a Field Monitors / Field Liaison Representatives participate on upcoming Sage 2 Archaeology assessment.

This letter is also to provide you with an update on the Class Environmental Assessment (Class EA) for the Seaton Municipal Transformer Station (Seaton TS) project. In October 2016, Veridian Connections (Veridian) and Hydro One Networks Inc. (Hydro One) initiated an updated Class Environmental Assessment (Class EA) to evaluate the construction of a new municipal transformer station (Seaton MTS) and its connection to Hydro One's high voltage transmission system. Through an assessment of anticipated future electricity demand in Pickering, Veridian identified that a new transformer station would best serve the growing number of homes and businesses. To ensure this proposed facility has an adequate supply of power, it must be connected to Hydro One's grid. As communicated previously, Veridian and Hydro One (which incorporated feedback gathered through consultation completed for the proposed project to date) have selected the preferred station site and route option from three alternatives initially identified.

As part of the Class EA study, a Stage 1 Archaeological Assessment was completed for the three station sites and associated transmission line upgrades. The Assessment was submitted to, and accepted into the register by the Ontario Ministry of Tourism, Culture and Sport. A retrieval link to the report will be provided to you by email. Veridian and Hydro One are following the recommendations of the Stage 1 Assessment which requires a Stage 2 Assessment to be completed for the preferred station site and route option. As the preferred station site and associated line tap are located on Ontario Ministry of Infrastructure (MOI) land, licenses and permit to enter the MOI land need to be obtained. The Project Team is planning to complete the field component of the Stage 2 work in mid September 2017, pending licenses and permits to enter the MOI land from Infrastructure Ontario.

As previously discussed, Dave expressed interest in participating in the Stage 2 Assessment. As always, we welcome your comments and feedback on the Seaton Municipal Transformer Station project at any time during the Class EA process. At your request, we would be pleased to arrange to have Field Monitors / Field Liaison Representatives from your community participate in the Stage 2 Assessment.

If you have any questions, or would like additional information regarding this project, please contact:

Andrew Roberts, Project Manager, Consultant

WSP Canada Inc.

100 Commerce Valley Drive West

Thornhill, Ontario L3T 0A7 Canada

T +1 905-882-4211 #6152

F +1 905-882-0055

C +1 647-821-2734

Andrew.Roberts@wspgroup.com.

Yours truly,

Veridian Connections

Hydro One Networks Inc.

A handwritten signature in black ink, appearing to read "Craig Smith", is displayed on a light gray rectangular background.A handwritten signature in blue ink, appearing to read "Brian McCormick", is displayed on a light yellow rectangular background.

Craig Smith, P.Eng.
Project Manager Veridian Connections

Brian McCormick
Manager, Environmental Engineering and Project
Support

Cc: Daniel Charbonneau, Senior Manager, First Nations and Métis Relations, Hydro One
Andrew Roberts, Project Manager, Consultant, Veridian Connections
Olivera Radinovic, EA Coordinator, Environmental Engineering and Project Support, Hydro One

Roberts, Andrew

From: Roberts, Andrew
Sent: Thursday, September 14, 2017 10:12 AM
To: 'dmowat@scugogfirstnation.com'
Cc: Craig Smith (csmith@veridian.on.ca); 'Olivera.RADINOVIC@HydroOne.com'; SaraJane.Souliere@HydroOne.com; Henderson, Sarah; Yahn, Douglas
Subject: Seaton MTS Class EA agreement for Field Liaison Representatives
Attachments: Mississaugas of Scugog Island Agreement for Archaeological Monitor_20170913_DRAFT.pdf

Good morning Dave, for your consideration please see the attached draft agreement for FLRs for the upcoming Stage 2 archaeological survey. If you've got any questions or concerns about the agreement, please contact me at your convenience. We look forward to working with you on the project.

Best regards,

Andrew

Andrew Roberts, M.A.Sc.
Team Leader – Approvals and Permitting
Environment



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100 Commerce Valley Drive West
Thornhill, Ontario
L3T 0A7 Canada

wsp.com

Roberts, Andrew

From: Roberts, Andrew
Sent: Monday, September 18, 2017 2:28 PM
To: 'dmowat@scugogfirstnation.com'
Cc: Craig Smith (csmith@veridian.on.ca); 'Olivera.RADINOVIC@HydroOne.com'; 'SaraJane.Souliere@HydroOne.com'; Henderson, Sarah
Subject: RE: Seaton MTS Class EA agreement for Field Liaison Representatives

Hello Dave, we'd like to provide you an update on the Stage 2 archaeological assessment for the Project.

The Stage 2 assessment field work began today. Test pitting in the brush line between the preferred substation site and Taunton Road yielded three (3) pottery fragments in one test pit. Another test pit yielded one (1) additional pottery fragment. The Stage 2 work is ongoing. Additional test pitting will be done along the tap line connection and the existing transmission line in the coming days.

The remainder of the substation site will be investigated with a site walk. The substation site requires ploughing, as vegetation has filled in since ploughing in mid-August and the field crew did not have adequate visibility.

If you have any comments or concerns about the findings or comments on the Draft agreement, I would be happy to discuss them with you.

Best regards,

Andrew Roberts, M.A.Sc.
Team Leader – Approvals and Permitting
Environment



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M+ 1 647-821-2734

100 Commerce Valley Drive West
Thornhill, Ontario
L3T 0A7 Canada

wsp.com

From: Roberts, Andrew
Sent: Thursday, September 14, 2017 10:12 AM
To: 'dmowat@scugogfirstnation.com' <dmowat@scugogfirstnation.com>
Cc: Craig Smith (csmith@veridian.on.ca) <csmith@veridian.on.ca>; 'Olivera.RADINOVIC@HydroOne.com' <Olivera.RADINOVIC@HydroOne.com>; SaraJane.Souliere@HydroOne.com; Henderson, Sarah <sarah.henderson@wsp.com>; Yahn, Douglas <Douglas.Yahn@wsp.com>
Subject: Seaton MTS Class EA agreement for Field Liaison Representatives

Roberts, Andrew

From: Roberts, Andrew
Sent: Thursday, September 28, 2017 9:37 AM
To: 'dmowat@scugogfirstnation.com'
Cc: Craig Smith (csmith@veridian.on.ca); 'Olivera.RADINOVIC@HydroOne.com'; SaraJane.Souliere@HydroOne.com; Henderson, Sarah
Subject: Update on the Seaton Transformer Station project in Pickering - Stage 2 archaeology

Good morning Dave,

I have an update on the Stage 2 archaeological assessment for the Project. Yesterday afternoon our field team was test pitting on the south side of Taunton Road in the area that will be used as a line tap connection for the Project. One of the test pits yielded a pottery fragment. Our work is currently ongoing, and WSP expects to complete the test pits for the line tap connection on the south side of Taunton Road by end of week latest. We are waiting for rainfall before the site walk on the substation site on the north side of Taunton. We will notify you if there are any other archaeological finds as part of the work.

If you have any comments or concerns on the work to date, I would be pleased to discuss them with you.

Best regards,

Andrew

Andrew Roberts, M.A.Sc.
Team Leader – Approvals and Permitting
Environment



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M+ 1 647-821-2734

100 Commerce Valley Drive West
Thornhill, Ontario
L3T 0A7 Canada

wsp.com

Roberts, Andrew

From: Roberts, Andrew
Sent: Tuesday, October 10, 2017 9:16 AM
To: 'dmowat@scugogfirstnation.com'
Cc: SaraJane.Souliere@HydroOne.com; 'Olivera.RADINOVIC@HydroOne.com'; Craig Smith (csmith@veridian.on.ca); Henderson, Sarah
Subject: Update on the Seaton Transformer Station project in Pickering - Completion of Stage 2 archaeology field work

Good Morning Dave, I have an update on the Stage 2 archaeological assessment for the Project. WSP has completed the site walk for the transformer station part of the Project. Over the weekend, WSP completed the site walk of the transformer station site. Two find spots were found within the field and a third isolated single artifact was found to the north.

- Findspot 1: 10 chert flakes, 11 pottery sherds
- Findspot 2: 1 flake, 4 pottery sherts
- Isolated find: possible core (requires analysis to ensure it is actually a find)

WSP's next task will be to complete the Stage 2 report for submission to MTCS.

As always, if you have any comments or concerns on the work to date, I would be pleased to discuss them with you.

Best regards,

Andrew

Andrew Roberts, M.A.Sc.
Team Leader – Approvals and Permitting
Environment



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100 Commerce Valley Drive West
Thornhill, Ontario
L3T 0A7 Canada

wsp.com

Roberts, Andrew

From: Roberts, Andrew
Sent: Thursday, October 12, 2017 2:40 PM
To: Dave Mowat
Cc: SaraJane.Souliere@HydroOne.com; 'Olivera.RADINOVIC@HydroOne.com'; Craig Smith (csmith@veridian.on.ca); Henderson, Sarah
Subject: RE: Update on the Seaton Transformer Station project in Pickering - Completion of Stage 2 archaeology field work

Dave, thanks for letting us know about your field monitor. We would be pleased to provide you with a copy of the Stage 2 report once it has been completed.

Best regards,

Andrew

Andrew Roberts, M.A.Sc.
Team Leader – Approvals and Permitting
Environment



T+ 1 905-882-4211 #6152
M+ 1 647-821-2734

100 Commerce Valley Drive West
Thornhill, Ontario
L3T 0A7 Canada

wsp.com

From: Dave Mowat [mailto:dmowat@scugogfirstnation.com]
Sent: Tuesday, October 10, 2017 12:20 PM
To: Roberts, Andrew <Andrew.Roberts@wsp.com>
Cc: SaraJane.Souliere@HydroOne.com; 'Olivera.RADINOVIC@HydroOne.com' <Olivera.RADINOVIC@HydroOne.com>; Craig Smith (csmith@veridian.on.ca) <csmith@veridian.on.ca>; Henderson, Sarah <sarah.henderson@wsp.com>
Subject: RE: Update on the Seaton Transformer Station project in Pickering - Completion of Stage 2 archaeology field work

Thanks Andrew for the update. We have only one monitor from the community and he has been at the Rouge National Urban Park lands. I have no issues but would request a copy of the report of that is possible.

Thank you,

Dave Mowat
Consultation, Lands and Membership Supervisor

Mississaugas of Scugog Island First Nation

From: Roberts, Andrew [<mailto:Andrew.Roberts@wsp.com>]
Sent: Tuesday, October 10, 2017 9:16 AM
To: Dave Mowat <dmowat@scugogfirstnation.com>
Cc: SaraJane.Souliere@HydroOne.com; 'Olivera.RADINOVIC@HydroOne.com' <Olivera.RADINOVIC@HydroOne.com>; Craig Smith (csmith@veridian.on.ca) <csmith@veridian.on.ca>; Henderson, Sarah <sarah.henderson@wsp.com>
Subject: Update on the Seaton Transformer Station project in Pickering - Completion of Stage 2 archaeology field work

Good Morning Dave, I have an update on the Stage 2 archaeological assessment for the Project. WSP has completed the site walk for the transformer station part of the Project. Over the weekend, WSP completed the site walk of the transformer station site. Two find spots were found within the field and a third isolated single artifact was found to the north.

- Findspot 1: 10 chert flakes, 11 pottery sherds
- Findspot 2: 1 flake, 4 pottery sherts
- Isolated find: possible core (requires analysis to ensure it is actually a find)

WSP's next task will be to complete the Stage 2 report for submission to MTCS.

As always, if you have any comments or concerns on the work to date, I would be pleased to discuss them with you.

Best regards,

Andrew

Andrew Roberts, M.A.Sc.
Team Leader – Approvals and Permitting
Environment



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Correspondence with Federal Agencies

Correspondence for the Project for the following Federal Agencies follows.

- Canadian Environmental Assessment Agency;
- Transport Canada.



Canadian Environmental
Assessment Agency

Agence canadienne
d'évaluation environnementale

55 St. Clair Avenue East,
Room 907
Toronto ON M4T 1M2

55, avenue St. Clair Est,
pièce 907
Toronto ON M4T 1M2

June 17, 2015

Sent by email

Andrew Roberts
WSP Canada Inc.
600 Cochrane Dr., 5th Fl
Markham, ON L3R5K3
Andrew.roberts@wspgroup.com

Dear Mr. Roberts:

Re: Information on the *Canadian Environmental Assessment Act, 2012*

Thank you for your correspondence of June 15, 2015 regarding the Seaton Municipal Transformer Station.

As part of the Government of Canada's plan for Responsible Resource Development, the *Canadian Environmental Assessment Act, 2012* (CEAA 2012) focuses federal environmental reviews on projects that have the potential to cause significant adverse environmental effects in areas of federal jurisdiction.

The CEAA 2012 applies to projects described in the *Regulations Designating Physical Activities* (the Regulations). Based on the information provided, your project does not appear to be described in the Regulations. **Kindly review the Regulations to confirm applicability to the proposed project.**

If your project is in a federally designated wildlife area or migratory bird sanctuary please check section 1 of the Regulations, which details the designated projects specific to those locations.

For more information on CEAA 2012, please access the following links on the Canadian Environmental Assessment Agency's (the Agency) website:

Overview of CEAA 2012

<http://www.ceaa.gc.ca/default.asp?lang=En&n=16254939-1>

Regulations Designating Physical Activities, and
Prescribed Information for a Description of a Designated Project Regulations

<http://www.ceaa.gc.ca/default.asp?lang=En&n=9EC7CAD2-1>



Comments Invited:

We are interested in receiving any comments that you may have about the Study or any information your Agency may have which is relevant to this project. Should your Agency have any comments regarding this Project please return the attached Comment Form. Should the proposed Project have no effect on your Agency's program mandate and/or policies, please indicate this on the Comment Form provided.

If you have any additional questions or comments regarding the Study, or wish to be added to the Study mailing list, please contact either of the following project team members:

Andrew Roberts
Project Manager - Consultant
WSP Canada Inc.
600 Cochrane Drive, 5th Floor
Markham, Ontario L3R 5K3
Tel: (905) 475-8727 ext. 18617
Fax: (905) 475-5994
Email: Andrew.Roberts@wspgroup.com

Craig Smith, P.Eng.
Project Manager – Veridian Connections
Veridian Connections
55 Taunton Rd. E.
Ajax, Ontario L1T 3V3
Tel: (905) 427-9870 ext. 2236
Fax: (905) 619-0210
Email: csmith@veridian.on.ca

Yours truly,
WSP Canada Inc.

A handwritten signature in black ink, appearing to read "AR", written over a light blue horizontal line.

Andrew Roberts, M.A.Sc.,
Project Manager - Consultant

AR/ar

Key Plan



The map above shows the approximate limits of the study area and the potential station sites

Roberts, Andrew

From: EnviroOnt <EnviroOnt@tc.gc.ca>
Sent: Thursday, October 20, 2016 9:04 AM
To: Roberts, Andrew
Subject: Class EA - Seaton Municipal Transformer Station, City of Pickering: NEATS 40205
Attachments: Seaton TS-Notification Letter-Transport Canada-Mousseau.pdf; Map13-39_SeatonTS_GM_BxW_v2.pdf

Greetings Andrew,

Thank you for your correspondence. All correspondence should be directed to this email address (EnviroOnt@tc.gc.ca) so that it can be forwarded to the correct department. Please remove the following email addresses from WSP's mailing list database as they are no longer applicable and should not be contacted:

Monique.mousseau@tc.gc.ca
Duwayne.Williams@tc.gc.ca

Please note Transport Canada **does not** require receipt of all individual or Class EA related notifications. We are requesting project proponents to self-assess if their project will interact with a federal property **and** require approval and/or authorization under any Acts administered by Transport Canada*.

Under *the Canadian Environmental Assessment Act, 2012*, Transport Canada is required to determine the likelihood of significant adverse environmental effects of projects that will occur on federal property prior to exercising a power, performing a function or duty in relation to that project. The project proponent should review the Directory of Federal Real Property, available at <http://www.tbs-sct.gc.ca/dfrp-rbif/>, to verify if the project will potentially interact with any federal property and/or waterway. The project proponent should also review the list of Acts that Transport Canada administers and assists in administering that may apply to the project, available at: <https://www.tc.gc.ca/eng/acts-regulations/acts.htm>.

If the aforementioned does not apply, the Environmental Assessment program should not be included in any correspondence. If there is a role under the program, correspondence should be forwarded *electronically* to: EnviroOnt@tc.gc.ca.

*Below is a summary of the most common Acts that have applied to projects in an Environmental Assessment context:

- **Navigation Protection Act (NPA)** – the Act applies primarily to works constructed or placed in, on, over, under, through, or across scheduled navigable waters set out under the Act. The Navigation Protection Program administers the NPA through the review and authorization of works affecting scheduled navigable waters. Information about the Program, NPA and approval process is available at: <http://www.tc.gc.ca/eng/programs-621.html>. Enquiries can be directed to NPPONT-PPNONT@tc.gc.ca or by calling (519) 383-1863.
- **Railway Safety Act (RSA)** – the Act provides the regulatory framework for railway safety, security, and some of the environmental impacts of railway operations in Canada. The Rail Safety Program develops and enforces regulations, rules, standards and procedures governing safe railway operations. Additional information about the Program is available at: <https://www.tc.gc.ca/eng/railsafety/menu.htm>. Enquiries can be directed to RailSafety@tc.gc.ca or by calling (613) 998-2985.
- **Transportation of Dangerous Goods Act (TDGA)** – the transportation of dangerous goods by air, marine, rail and road is regulated under the TDGA. Transport Canada, based on risks, develops safety standards and regulations,

provides oversight and gives expert advice on dangerous goods to promote public safety. Additional information about the transportation of dangerous goods is available at: <https://www.tc.gc.ca/eng/tdg/safety-menu.htm>. Enquiries can be directed to TDG-TMDOntario@tc.gc.ca or by calling (416) 973-1868.

- **Aeronautics Act** – Transport Canada has sole jurisdiction over aeronautics, which includes aerodromes and all related buildings or services used for aviation purposes. Aviation safety in Canada is regulated under this Act and the Canadian Aviation Regulations (CARs). Elevated Structures, such as wind turbines and communication towers, would be examples of projects that must be assessed for lighting and marking requirements in accordance with the CARs. Transport Canada also has an interest in projects that have the potential to cause interference between wildlife and aviation activities. One example would be waste facilities, which may attract birds into commercial and recreational flight paths. The *Land Use In The Vicinity of Aerodromes* publication recommends guidelines for and uses in the vicinity of aerodromes, available at: <https://www.tc.gc.ca/eng/civilaviation/publications/tp1247-menu-1418.htm>. Enquires can be directed to CASO-SACO@tc.gc.ca or by calling 1 (800) 305-2059 / (416) 952-0230.

Please advise if additional information is needed.

Thank you,

Environmental Assessment Program | Programme d'évaluation environnementale
Transport Canada, Ontario Region | Transports Canada, Région de l'Ontario
4900 Yonge St., Toronto, ON M2N 6A5 | 4900, rue Yonge, Toronto, ON, M2N 6A5
Email | Courriel: EnviroOnt@tc.gc.ca
Facsimile | télécopieur: (416) 952-0514
Government of Canada | Gouvernement du Canada

From: Roberts, Andrew [<mailto:Andrew.Roberts@wspgroup.com>]

Sent: Friday, October 14, 2016 2:33 PM

To: Mousseau, Monique <monique.mousseau@tc.gc.ca>

Cc: Williams, Duwayne <Duwayne.Williams@tc.gc.ca>; Olivera.RADINOVIC@HydroOne.com; Craig Smith (csmith@veridian.on.ca) <csmith@veridian.on.ca>

Subject: Update on the Class Environmental Assessment for the Seaton Municipal Transformer Station located in the City of Pickering

Please see the attached update for the Seaton Municipal Transformer Station Class EA study in Pickering Ontario. Should you have any comments or concerns about the Study, please contact me at your convenience.

Best Regards,



Andrew Roberts, M.A.Sc.
Team Leader – Approvals and Permitting, Environment

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F +1 905-882-0055
C +1 647-821-2734

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Correspondence with Provincial Government Representatives and Agencies

Correspondence for the Project for the following Provincial Agencies follows.

- Infrastructure Ontario (IO);
- Ministry of Aboriginal Affairs (MMA);
- Ministry of Environment and Climate Change (MOECC);
- Ministry of Natural Resources and Forestry (MNRF);
- Ministry of Tourism, Culture and Sport (MTCS).

Roberts, Andrew

From: Roberts, Andrew
Sent: Thursday, October 20, 2016 3:37 PM
To: ash.kothiyal@infrastructureontario.ca
Cc: Craig Smith (csmith@veridian.on.ca); Olivera.RADINOVIC@HydroOne.com
Subject: Veridian Seaton MTS: First Nations Consultation
Attachments: 151-02610-00_Seaton MTS_First Nations_Consultation.xlsx; 151-02610-00_Mississaugas of Scugog Island FN.pdf; 151-02610-00_Alderville FN.pdf; 151-02610-00_Map13-39_SeatonTS_GM_BxW_v2NoLabels.pdf; 151-02610-00_Curve Lake FN.pdf; 151-02610-00_Hiawatha FN.pdf; 151-02610-00_Huron Wendat.pdf; 151-02610-00_Kawartha Nishnawbe.pdf

Ash, as we discussed I have included our record of consultation to date. Please note that this is a living document and is updated regularly as we receive information. However, it shows the list of First Nations provided by the Ontario Ministry of Energy.

I have also included the announcement letter and project map sent to each of the contacts on September 28. Today each of the contacts on our list will receive the PIC notice by email. This will be followed up with a hardcopy sent by Registered mail tomorrow.

Please let me know how else we can assist.

Regards,

Andrew



Andrew Roberts, M.A.Sc.
Team Leader – Approvals and Permitting, Environment

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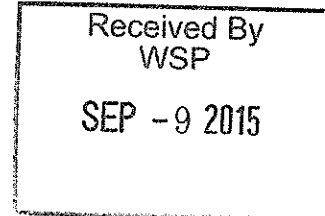
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Reference: 2015-199

Andrew Roberts, M.A. Sc.
Team Leader – Approvals and Permitting, Environment
WSP Canada Inc.
600 Cochrane Drive, 5th Floor
Markham, ON L3R 5K3



Re: Veridian Connections Seaton Transformer Environmental Assessment Public Information Centre Invitation

Dear Mr. Roberts:

Thank you for informing the Ministry of Aboriginal Affairs (MAA) of your project. Please note that MAA treats all letters, emails, general notices, etc. about a project as a request for information about which Aboriginal communities may have rights or interests in the project area.

As a member of the government review team, the Ministry of Aboriginal Affairs (MAA) identifies First Nation and Métis communities who may have the following interests in the area of your project:

- reserves;
- land claims or claims in litigation against Ontario;
- existing or asserted Aboriginal or treaty rights, such as harvesting rights; or
- an interest in the area of the project..

MAA is not the approval or regulatory authority for your project, and receives very limited information about projects in the early stages of their development. In circumstances where a Crown-approved project may negatively impact a claimed Aboriginal or treaty right, the Crown may have a duty to consult the Aboriginal community advancing the claim. The Crown often delegates procedural aspects of its duty to consult to proponents. Please note that the information in this letter should not be relied on as advice about whether the Crown owes a duty to consult in respect of your project, or what consultation may be appropriate. Should you have any questions about your consultation obligations, please contact the appropriate ministry.

You should be aware that many First Nations and/or Métis communities either have or assert rights to hunt and fish in their traditional territories. For First Nations, these territories typically include lands and waters outside of their reserves.

In some instances, project work may impact aboriginal archaeological resources. If any Aboriginal archaeological resources could be impacted by your project, you should contact your regulating or approving Ministry to inquire about whether any additional Aboriginal communities should be contacted. Aboriginal communities with an interest in archaeological resources may include communities who are not presently located in the vicinity of the proposed project.

With respect to your project, and based on the brief materials you have provided, we can advise that the project appears to be located in an area where First Nations may have existing or asserted rights or claims in Ontario's land claims process or litigation, that could be impacted by your project. Contact information is below:

Alderville First Nation 11696 Second Line P.O. Box 46 ROSENEATH, Ontario K0K 2X0	Chief James R. Marsden (905) 352-2011 (Fax) 352-3242 jbmarsden@adlervillefirstnation.ca
Curve Lake First Nation 22 Winookeeda Road CURVE LAKE, Ontario K0L 1R0	Chief Phyllis Williams (705) 657-8045 (Fax) 657-8708 chief@curvelakefn.ca
Hiawatha First Nation 123 Paudash Street R.R. #2 KEENE, Ontario K0L 2G0	Chief Greg Cowie (705) 295-4421 (Fax) 295-4424 chief@hiawathafn.ca
Mississaugas of Scugog Island 22521 Island Road PORT PERRY, Ontario L9L 1B6	Chief Kelly LaRocca (905) 985-3337 (Fax) 985-8828 klarocca@mississaugafirstnation.com
Kawartha Nishnawbe First Nation P.O. Box 1432 Lakefield, ON K0L 2H0	Kris Nahrgang (705) 654-4661

For your information, MAA notes that the following Métis community may be interested in your project given the proximity of their community to the area of the proposed project or because of your project's potential environmental impacts:

Oshawa & Durham Region Métis Council 1288 Ritson Road North, Suite 356 Oshawa , ON L1G 8B2	Roger Pilon, President (905) 725-1635
--	--

The information upon which the above comments are based is subject to change. First Nation or Métis communities can make claims at any time, and other developments can occur that could result in additional communities being affected by or interested in your undertaking.

Through Aboriginal Affairs and Northern Development (AANDC), the Government of Canada sometimes receives claims that Ontario does not receive, or with which Ontario does not become involved. AANDC's Consultation and Accommodation Unit (CAU) established a "single window" to respond to requests for baseline information held by AANDC on established or potential Aboriginal Treaty and rights. To request information from the Ontario Subject Matter Expert send an email to: UCA-CAU@aadnc-aandc.gc.ca

Additional details about your project or changes to it that suggest impacts beyond what you have provided to date may necessitate further consideration of which Aboriginal communities may be affected by or interested in your undertaking. If you think that further consideration may be required, please bring your inquiry to whatever government body oversees the regulatory process for your project. MAA does not wish to be kept informed of the progress of the project; please be sure to remove MAA from the mailing list.

Yours truly,



Corwin Troje
Manager, Ministry Partnerships Unit
Aboriginal Relations and Ministry Partnerships Branch

Correspondence MNRF1

Roberts, Andrew

From: ESA Aurora (MNRF) <ESA.Aurora@ontario.ca>
Sent: Tuesday, May 12, 2015 9:53 AM
To: Adams, Austin; Fitzpatrick, Erin
Cc: Burkart, Jackie (MNRF)
Subject: RE: Request for Information - RE: Seaton MTS Class EA

Hello Austin,

In addition, it is my understanding that Infrastructure Ontario is in the process of completing, or has completed, their field studies for their lands within the Seaton area. Perhaps it would be worthwhile to touch base with Graham Martin from Infrastructure Ontario as they may have addition information.

Graham Martin
Vice President, Seaton Lands
(416) 574-0698
Graham.Martin@infrastructureontario.ca

Megan

From: ESA Aurora (MNRF)
Sent: May-12-15 9:39 AM
To: 'Adams, Austin'; Burkart, Jackie (MNRF)
Cc: Fitzpatrick, Erin
Subject: RE: Request for Information - RE: Seaton MTS Class EA

Hello Austin,

Please find attached a letter in response to your request for additional information for the Seaton MTS Class EA. Please continue to keep MNRF informed throughout the formal EA process.

Thank you,

Megan

Megan Eplett | A/ Management Biologist | Aurora District | Ministry of Natural Resources and Forestry

☎ (905) 713-7369 | ✉ megan.eplett@ontario.ca

From: Adams, Austin [<mailto:Austin.Adams@wspgroup.com>]
Sent: April-29-15 10:49 AM
To: Burkart, Jackie (MNRF); ESA Aurora (MNRF)
Cc: Fitzpatrick, Erin
Subject: Request for Information - RE: Seaton MTS Class EA

Hi Jackie,

WSP has been retained to complete the Class Environmental Assessment for a new municipal transformer station (MTS) in the Seaton Community of Pickering, Ontario. As a Category B transformer station, the proponent must fulfill the requirements under the Class EA for Minor Transmission Facilities. The transformer will be a 230 to 28kV 170 MVA Bermondsday-style station, and three preliminary locations have been selected for the assessment of alternatives phase of the Class EA (see attached maps for approximate locations). These locations are general, and are larger than what would be required for the station. Please note that the Project has only recently commenced and the MNR should receive formal notification of the Project in the coming weeks.

A review of online MNR data shows that there are woodlands on all Sites, and unevaluated wetlands on Sites 1 and 2. There is an evaluated non-provincially significant wetland west of Site 1. Site 3 is within a defined stream corridor – the West Duffins Creek. The City of Pickering also defines the area for Site 3 as being within an Environmentally Significant Area (ESA) and the Rouge-Duffins Wildlife Corridor. Collectively, there are 9 potential Species of Conservation Concern for the 3 areas, including:

- Acadian Flycatcher, *Empidonax virescens* (END [Extipated])
- Butternut, *Juglans cinerea* (END)
- Eastern Burning Bush, *Euonymus atropurpureus*
- Eastern Ribbonsnake, *Thamnophis sauritis* (SC)
- Eastern Meadowlark, *Sturnella magna* (THR)
- Green-striped Darner, *Aeshna verticalis*
- Lurking Leskea, *Plagiothecium latebricola*
- Pronghorn Clubtail, *Gromphus graslinellus*
- Redside Dace, *Clinostomus elongatus* (END)

Of particular note for the above – while both Sites 1 and 2 have NHIC Element Occurrences (1 km grids) of Redside Dace, Site 1 has no stream corridors within the project 120 m buffer. Site 2 has a stream on the north side, within the 120 m buffer, but outside the site itself. The Butternut occurrence was associated only with Site 3.

WSP is requesting any information, studies or data that the MNR may have that could help us in evaluating these proposed alternatives for this project. We would be interested in any significant wildlife habitat values, fish community/habitat data, species at risk sightings or other information you may have that relates to these sites. Please also alert us should there be specific surveys required to satisfy any permitting requirements. If I can provide additional information to assist in your review of the sites, please do not hesitate to contact me. Your comments and assistance are appreciated.

Cheers,
Austin Adams



Austin Adams, B.Sc., EP
Biologist

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Ministry of
Natural Resources
and Forestry

Ministère des
Richesses Naturelles
et des Forêts

May 12, 2015

Austin Adams
WSP Canada Inc.
126 Don Hillock Drive, Unit 2
Aurora, ON L4G 0G9
Phone: (905) 750-3080 Ext. 16312
Austin.Adams@wspgroup.com

Re: Seaton Municipal Transformer Station (MTS) Class Environmental Assessment

Dear Mr. Adams,

In your email dated April 29, 2015 you requested information on natural heritage features and element occurrences occurring on or adjacent to the above mentioned location. There are a number of Species at Risk recorded from your study area and the immediate vicinity.

Site 1 Location

We have records of Eastern Wood-pewee (SC) and Wood Thrush (SC). Urfe Creek (west of Brock Road) is considered recovery habitat for Redside Dace (END). Natural heritage features include identified wetlands.

Site 2 Location

We have records of Eastern Meadowlark (THR) and Bobolink (THR). Ganateskiagon Creek (north of the subject site) is considered occupied habitat for Redside Dace (END). Natural heritage features include identified wetlands.

Site 3 Location

We have records of Butternut (END), Wood Thrush (SC) and Eastern Wood-pewee (SC). No natural heritage features have been recorded for this area.

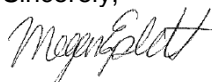
These species may receive protection under the *Endangered Species Act 2007* and thus, an approval from MNRF may be required if the work you are proposing could cause harm to these species or their habitat. If the Species at Risk in Ontario List is amended, additional species may be listed and protected under the *ESA 2007* or the status and protection levels of currently listed species may change.

Absence of information provided by MNRF for a given geographic area, or lack of current information for a given area or element, does not categorically mean the absence of sensitive species or features. Many areas in Ontario have never been surveyed and new plant and animal species records are still being discovered for many localities. For these reasons, the MNRF cannot provide a definitive statement on the presence, absence or condition of biological elements in any part of Ontario.

This species at risk information is highly sensitive and is not intended for any person or project unrelated to this undertaking. Please do not include any specific information in reports that will be available for public record. As you complete your fieldwork in these areas, please report all information related to any species at risk to our office. This will assist with updating our database and facilitate early consultation regarding your project.

If you have any questions or comments, please do not hesitate to contact me at 905-713-7369 or ESA.Aurora@ontario.ca (Attention: Megan Eplett).

Sincerely,



Megan Eplett
A\ Management Biologist
Ontario Ministry of Natural Resources and Forestry, Aurora District

Roberts, Andrew

From: Fitzpatrick, Erin
Sent: Tuesday, November 15, 2016 10:10 AM
To: 'Eplett, Megan (MNRF)'
Cc: 'ESA Aurora (MNRF)'
Subject: FW: Seaton Municipal Transfer Station (MTS) Environmental Assessment
Attachments: MNRF_WSP_SeatonMTS_12May2015.pdf; Seaton MTS Class EA - Phase 2 Study Area.JPG

Hi Megan,

I was trying to tie up some loose ends on agency contact and can't seem to find any record of a response to this email from the end of July. Do you mind checking to see if a response was issued? My apologies if it was. If not, perhaps someone could take a quick look and get back to me?

Thanks,
Erin



Erin Fitzpatrick, M.Sc.
Biologist, Environment

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Please consider the environment before printing...

From: Fitzpatrick, Erin
Sent: Monday, July 25, 2016 9:56 PM
To: Megan.Eplett@ontario.ca
Subject: Seaton Municipal Transfer Station (MTS) Environmental Assessment

Hi Megan,

Last year WSP was working on a Class EA for a municipal transfer station (MTS) in Seaton. My colleague, Austin Adams, requested information pertaining to three candidate sites for the MTS. Since that time, the definition of the project has changed to include potential upgrades to transmission lines in the area to support the MTS. As a result, we are preparing a second report to address the lands within the transmission corridors and line taps between the transmission lines and candidate sites.

The attached image capture from Google Earth depicts the transmission corridors that have been identified for potential upgrades for each candidate site. The sites are outlined in red, the corridors in yellow and the line taps in orange. I have also activated the MNRF Wetland Layer for the Aurora District.

I reviewed the Natural Heritage Areas mapping application, associated NHIC data and your original letter in response to our information request (dated May 12, 2015) for information pertaining to natural heritage areas and element occurrences. In addition to what had been listed in your earlier letter, records for Eastern Ribbonsnake were found for much of the updated study area and the Whitevale Corridor Life Science Site was noted within the western portion of the east-west corridor. A number of unevaluated wetlands are also present in the study area.

Due to your familiarity with the project, I thought it would be appropriate to approach you with our latest request for information for the expanded study area. Please let me know if there are additional Natural Heritage Features or Species at Risk records for the study area.

If I can be of further assistance in your review, please do not hesitate to contact me.

Kind Regards,
Erin



Erin Fitzpatrick, M.Sc.
Biologist, Environment

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Please consider the environment before printing...

November 15, 2016

Erin Fitzpatrick
Biologist
WSP Canada Inc.
126 Don Hillock Drive, Unit 2
Aurora, ON L4G 0G9
905-750-3080 ext. 16322
Erin.Fitzpatrick@wspgroup.com

Re: Seaton Municipal Transfer Station and Transmission Lines, Pickering

Dear Erin Fitzpatrick,

In your emails dated July 25 and November 15, 2016 you requested information regarding the above location.

Species at risk recorded in the vicinity include Butternut (endangered), Redside Dace (endangered, occupied habitat in Ganatsekiagon Creek and recovery habitat in Urfe Creek), Barn Swallow (threatened), Bobolink (threatened), Eastern Meadowlark (threatened), Eastern Wood-pewee (special concern) and Wood Thrush (special concern). There is potential for endangered bats (e.g., Little Brown Myotis, Northern Myotis, Tri-colored Bat) in cavities. Sites 1 and 3 contain parts of significant woodlands.

Absence of information provided by MNRF for a given geographic area, or lack of current information for a given area or element, does not categorically mean the absence of sensitive species or features. Many areas in Ontario have never been surveyed and new plant and animal species records are still being discovered for many localities. Appropriate inventory work is needed depending on the undertakings proposed. Approval from MNRF may be required if work you are proposing could cause harm to any species that receive protection under the *Endangered Species Act 2007*.

Species at risk information is highly sensitive and is not intended for any person or project unrelated to this undertaking. Please do not include any specific sensitive information in reports that will be available for public record. As you complete your fieldwork in these areas, please report all information related to any species at risk to our office. This will assist with updating our database and facilitate early consultation regarding your project.

If you have any questions or comments, please do not hesitate to contact ESA.aurora@ontario.ca or Bohdan.Kowalyk@Ontario.ca.

Sincerely,



Bohdan Kowalyk, R.P.F.
A/ Management Biologist
Aurora District, Ontario Ministry of Natural Resources and Forestry

Roberts, Andrew

From: ESA Aurora (MNRF) <ESA.Aurora@ontario.ca>
Sent: Tuesday, March 07, 2017 4:08 PM
To: Roberts, Andrew
Subject: RE: Seaton Municipal Transformer Station Class EA: Project Update and Invitation to Public Information Centre

Hello Andrew,

As I'm new to the Seaton file, I am not sure what (if any) discussions you've had with MNRF regarding the Transformer Station Class EA. I cannot find any prior communication in our database.

In response to your email, I'd like to bring to your attention some potential Species at Risk concerns within your study area:

- 1) The reach of Ganatsekiagon Creek adjacent to the proposed transformer station (site 2) is regulated habitat for REDSIDE DACE (Endangered)
- 2) The species listed below have the potential to occur in your study area and may require further assessment or field studies to determine presence:
 - BUTTERNUT (Endangered)
 - BOBOLINK (Threatened)
 - EASTERN MEADOWLARK (Threatened)

The species listed above receive protection under the *Endangered Species Act, 2007* (ESA) and thus, an approval from MNRF may be required if the work you are proposing could cause harm to these species or their habitats. If the Species at Risk in Ontario List is amended, additional species may be listed and protected under the ESA or the status and protection levels of currently listed species may change.

In addition to the above, the reach of Ganatsekiagon Creek adjacent to the study area is a cold water stream which supports Brook Trout.

The Ministry of Natural Resources and Forestry would like to stay engaged as the EA process moves forward so that we may provide guidance on fish and wildlife and species at risk matters and any related ESA requirements.

Sincerely,

Natosha

Natosha Fortini

Management Biologist | Aurora District | Ontario Ministry of Natural Resources and Forestry | 50 Bloomington Rd. W., Aurora, ON, L4G 0L8 | PH: 905.713.7394 | F: 905.713.7361 | natosha.fortini@ontario.ca

In order to serve you better, please call ahead to make an appointment

From: Roberts, Andrew [mailto:Andrew.Roberts@wspgroup.com]
Sent: February 14, 2017 12:46 PM

To: ESA Aurora (MNRF)
Cc: Craig Smith (csmith@veridian.on.ca); 'Olivera.RADINOVIC@HydroOne.com'
Subject: Seaton Municipal Transformer Station Class EA: Project Update and Invitation to Public Information Centre

Please see the attached updated Notice of Commencement and invitation to the Public Information Centre for the Seaton Municipal Transformer Station Class EA Study in Pickering. The ad will run in the Pickering News Advertiser on February 16, 2017 and February 23, 2017.

Should you have any comments or concerns about the Study, please contact me at your convenience.

Best Regards,



Andrew Roberts, M.A.Sc.
Team Leader – Approvals and Permitting, Environment

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Thornhill, Ontario L3T 0A7 Canada
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Andrew Roberts, M.A.Sc.
Team Leader – Approvals and Permitting, Environment

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Roberts, Andrew

From: Roberts, Andrew
Sent: Wednesday, March 08, 2017 8:36 AM
To: natosha.fortini@ontario.ca
Cc: ESA Aurora (MNRF); Craig Smith (csmith@veridian.on.ca); 'Olivera.RADINOVIC@HydroOne.com'
Subject: RE: Seaton Municipal Transformer Station Class EA: Project Update and Invitation to Public Information Centre
Attachments: Notice of Commencement: Veridian Connections Seaton Transformer Station Environmental Assessment in Pickering, Ontario; Veridian Connections Seaton Transformer Station Environmental Assessment Public Information Centre Invitation; Seaton Municipal Transformer Station Class EA: Project Update and Invitation to Public Information Centre; Seaton Municipal Transformer Station Class EA: Updated Notice of Commencement and Invitation to Public Information Centre; Update on the Class Environmental Assessment for the Seaton Municipal Transformer Station located in the City of Pickering; Read: Update on the Class Environmental Assessment for the Seaton Municipal Transformer Station located in the City of Pickering; FW: Seaton Municipal Transfer Station (MTS) Environmental Assessment; FW: Veridian EA: Correspondence with MNRF

Thanks for your note, Natosha.

We have received correspondence from MNRF from Bohdan Kowalyk and Megan Eplett on this file. I have attached the notifications sent to MNRF as well as the responses from our inquiries for your records.

I'd be happy to discuss the status of the project with you.

Best regards,

Andrew



Andrew Roberts, M.A.Sc.
Team Leader – Approvals and Permitting, Environment

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To: ESA Aurora (MNRF)
Cc: Craig Smith (csmith@veridian.on.ca); 'Olivera.RADINOVIC@HydroOne.com'
Subject: Seaton Municipal Transformer Station Class EA: Project Update and Invitation to Public Information Centre

Please see the attached updated Notice of Commencement and invitation to the Public Information Centre for the Seaton Municipal Transformer Station Class EA Study in Pickering. The ad will run in the Pickering News Advertiser on February 16, 2017 and February 23, 2017.

Should you have any comments or concerns about the Study, please contact me at your convenience.

Best Regards,



Andrew Roberts, M.A.Sc.
Team Leader – Approvals and Permitting, Environment

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**Ministry of the Environment
and Climate Change**

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February 7, 2017

File No.: EA 01-05

Craig Smith (BY EMAIL ONLY)
Manager, Planning and Maintenance
Veridian Connections

Olivera Radinovic (BY EMAIL ONLY)
Environmental Assessment Coordinator
Environmental Engineering and Project Support
Hydro One

RE: Seaton Municipal Transformer Station
Veridian Connections and Hydro One
Class Environmental Assessment
Response to Notice of Commencement

Dear Mr. Smith and Ms. Radinovic,

This letter acknowledges that Veridian Connections and Hydro One have indicated that its study is following the approved environmental planning process for a project under the Class Environmental Assessment for Minor Transmission Facilities.

The attached "Areas of Interest" document provides guidance regarding the ministry's interests with respect to the Class EA process. Please identify the areas of interest which are applicable to your project and ensure they are addressed. Proponents who address all of the applicable areas of interest can minimize potential delays to their project schedule.

The *Clean Water Act, 2006* (CWA) aims to protect existing and future sources of drinking water. Class EA projects may include activities that could be considered a threat to sources of drinking water (i.e. have the potential to adversely affect the quality or quantity of drinking water sources). As part of the project the proponent should clearly document how the proximity of the project to sources of drinking water (municipal or other) was considered and assessed, as well as identify mitigating measures to address any negative environmental impacts to those sources (considering natural, economic and social/cultural environmental impacts).

Failure to properly follow the Class EA process is an offence under the *Environmental Assessment Act*. It may also result in the ministry withholding/revising an approval provided under the Act and/or the Minister issuing a Part II Order for the project.

A draft copy of the Environmental Study Report (ESR) should be sent to this office prior to the formal review period available to interested parties (outlined in Section 3.6 of the Class EA document), allowing approximately 30 days review time for the ministry's reviewers to provide comments. Should your team have any questions regarding the above, please contact me at emilee.oleary@ontario.ca or 416-326-3469.

Sincerely,

A handwritten signature in cursive script that reads "Emilee O'Leary".

Emilee O'Leary
Regional Environmental Assessment Coordinator
Air, Pesticides and Environmental Planning

cc: Paul Martin, Supervisor, Technical Support Section, MOECC
Celeste Dugas, Manager, York Durham District Office, MOECC
Andrew Roberts, Project Manager, WSP Canada Inc.

Central Region EA File
A & P File

AREAS OF INTEREST

It is suggested that you check off each applicable area after you have considered / addressed it.

Ecosystem Protection and Restoration

- Any impacts to ecosystem form and function must be avoided where possible. The ESR should describe any proposed mitigation measures and how project planning will protect and enhance the local ecosystem.
- All natural heritage features should be identified and described in detail to assess potential impacts and to develop appropriate mitigation measures. The following sensitive environmental features may be located within or adjacent to the study area:
 - Areas of Natural and Scientific Interest (ANSIs)
 - Rare Species of flora or fauna
 - Watercourses
 - Wetlands
 - Woodlots

We recommend consulting with the Ministry of Natural Resources and Forestry (MNRF), Fisheries and Oceans Canada (DFO) and your local conservation authority to determine if special measures or additional studies will be necessary to preserve and protect these sensitive features. In addition, you may consider the provisions of the Rouge Park Management Plan if applicable.

Surface Water

- The ESR must include a sufficient level of information to demonstrate that there will be no negative impacts on the natural features or ecological functions of any watercourses within the study area. Measures should be included in the planning and design process to ensure that any impacts to watercourses from construction or operational activities (e.g. spills, erosion, pollution) are mitigated as part of the proposed undertaking.
- Additional stormwater runoff from new pavement can impact receiving watercourses and flood conditions. Quality and quantity control measures to treat stormwater runoff should be considered for all new impervious areas and, where possible, existing surfaces. The ministry's [Stormwater Management Planning and Design Manual \(2003\)](#) should be referenced in the ESR and utilized when designing stormwater control methods. We recommend that a Stormwater Management Plan should be prepared as part of the Class EA process that includes:
 - Strategies to address potential water quantity and erosion impacts related to stormwater draining into streams or other sensitive environmental features, and to ensure that adequate (enhanced) water quality is maintained
 - Watershed information, drainage conditions, and other relevant background information
 - Future drainage conditions, stormwater management options, information on erosion and sediment control during construction, and other details of the proposed works
 - Information on maintenance and monitoring commitments.
- Ontario Regulation 60/08 under the Ontario Water Resources Act (OWRA) applies to the Lake Simcoe Basin, which encompasses Lake Simcoe and the lands from which surface water drains into Lake Simcoe. If the proposed sewage treatment plant is listed in Table 1 of the regulation, the ESR should describe how the proposed project and its mitigation measures are consistent with the requirements of this regulation and the OWRA.

□ **Groundwater**

- The status of, and potential impacts to any well water supplies should be addressed. If the project involves groundwater takings or changes to drainage patterns, the quantity and quality of groundwater may be affected due to drawdown effects or the redirection of existing contamination flows. In addition, project activities may infringe on existing wells such that they must be reconstructed or sealed and abandoned. Appropriate information to define existing groundwater conditions should be included in the ESR.
- If the potential construction or decommissioning of water wells is identified as an issue, the ESR should refer to Ontario Regulation 903, Wells, under the OWRA.
- Potential impacts to groundwater-dependent natural features should be addressed. Any changes to groundwater flow or quality from groundwater taking may interfere with the ecological processes of streams, wetlands or other surficial features. In addition, discharging contaminated or high volumes of groundwater to these features may have direct impacts on their function. Any potential effects should be identified, and appropriate mitigation measures should be recommended. The level of detail required will be dependent on the significance of the potential impacts.
- Any potential approval requirements for groundwater taking or discharge should be identified in the ESR. In particular, a Permit to Take Water (PTTW) under the OWRA will be required for any water takings that exceed 50,000 litres per day.

□ **Air Quality, Dust and Noise**

- If there are sensitive receptors in the surrounding area of this project, an air quality/odour impact assessment will be useful to evaluate alternatives, determine impacts and identify appropriate mitigation measures. The scope of the assessment can be determined based on the potential effects of the proposed alternatives, and typically includes source and receptor characterization, a quantification of air quality impacts by determining emission rates and conducting dispersion modelling, and an assessment of effects. The assessment will compare to all available standards for any contaminants of concern. Please contact this office during the scoping process to confirm the appropriate level of assessment.
- Dust and noise control measures should be addressed and included in the construction plans to ensure that nearby residential and other sensitive land uses within the study area are not adversely affected during construction activities.
- The ESR should consider the potential impacts of increased noise levels during the operation of the undertaking due to potentially higher traffic volumes resulting from this project. The proponent should explore all potential measures to mitigate significant noise impacts during the assessment of alternatives.

□ **Servicing and Facilities**

- Any facility that releases emissions to the atmosphere, discharges contaminants to ground or surface water, provides potable water supplies, or stores, transports or disposes of waste must have an Environmental Compliance Approval (ECA) before it can operate lawfully. Please consult with the Environmental Approvals Access and Service Integration Branch (EAASIB) to determine whether a new or amended ECA will be required for any proposed infrastructure.

- We recommend referring to the ministry’s “D-Series” guidelines – Land Use Compatibility to ensure that any potential land use conflicts are considered when planning for any infrastructure or facilities related to wastewater, pipelines, landfills or industrial uses.

□ **Contaminated Soils**

- Since the removal or movement of soils may be required, appropriate tests to determine contaminant levels from previous land uses or dumping should be undertaken. If the soils are contaminated, you must determine how and where they are to be disposed of, consistent with *Part XV.1 of the Environmental Protection Act* (EPA) and Ontario Regulation 153/04, Records of Site Condition, which details the new requirements related to site assessment and clean up. Please contact the ministry’s District Offices for further consultation if contaminated sites are present.
- Any current or historical waste disposal sites should be identified in the ESR. The status of these sites should be determined to confirm whether approval pursuant to Section 46 of the EPA may be required for land uses on former disposal sites.
- The location of any underground storage tanks should be investigated in the ESR. Measures should be identified to ensure the integrity of these tanks and to ensure an appropriate response in the event of a spill. The ministry’s Spills Action Centre must be contacted in such an event.
- The ESR should identify any underground transmission lines in the study area. The owners should be consulted to avoid impacts to this infrastructure, including potential spills.

□ **Mitigation and Monitoring**

- Design and construction reports and plans should be based on a best management approach that centres on the prevention of impacts, protection of the existing environment, and opportunities for rehabilitation and enhancement of any impacted areas.
- All waste generated during construction must be disposed of in accordance with ministry requirements.
- Contractors must be made aware of all environmental considerations so that all environmental standards and commitments for both construction and operation are met. Mitigation measures should be clearly referenced in the ESR and regularly monitored during the construction stage of the project. In addition, we encourage proponents to conduct post-construction monitoring to ensure all mitigation measures have been effective and are functioning properly. The proponent’s construction and post-construction monitoring plans should be documented in the ESR.

□ **Planning and Policy**

- Parts of the study area may be subject to the [Oak Ridges Moraine Conservation Plan](#), [Niagara Escarpment Plan](#), [Greenbelt Plan](#), [Lake Simcoe Protection Plan](#), or [Growth Plan for the Greater Golden Horseshoe](#). The ESR should demonstrate how the proposed study adheres to the relevant policies in these plans.
- The [Provincial Policy Statement](#) (2014) contains policies that protect Ontario’s natural heritage and water resources, including designated vulnerable areas mapped in source water protection assessment reports under the *Clean Water Act* (CWA). Applicable policies should be referenced in the ESR, and the proponent should demonstrate how this proposed project is consistent with

these policies. Assessment reports can be found on the Conservation Ontario website at: <http://www.conservation-ontario.on.ca/uncategorised/143-otherswpreionsindex>.

□ **Class EA Process**

- If this project is a Master Plan: there are several different approaches that can be used to conduct a Master Plan, examples of which are outlined in Appendix 4 of the Class EA. The Master Plan should clearly indicate the selected approach for conducting the plan, in particular by identifying whether the levels of assessment, consultation and documentation are sufficient to fulfill the requirements for Schedule B or C projects. Please note that any Schedule B or C projects identified in the plan would be subject to Part II Order Requests under the *Environmental Assessment Act* (EAA), although the plan itself would not be.
- The ESR should provide clear and complete documentation of the planning process in order to allow for transparency in decision-making. The ESR must also demonstrate how the consultation provisions of the Class EA have been fulfilled, including documentation of all public consultation efforts undertaken during the planning process. Additionally, the ESR should identify all concerns that were raised and how they have been addressed throughout the planning process. The Class EA also directs proponents to include copies of comments submitted on the project by interested stakeholders, and the proponent's responses to these comments.
- The Class EA requires the consideration of the effects of each alternative on all aspects of the environment. The ESR should include a level of detail (e.g. hydrogeological investigations, terrestrial and aquatic assessments) such that all potential impacts can be identified and appropriate mitigation measures can be developed. Any supporting studies conducted during the Class EA process should be referenced and included as part of the Project File.
- Please include in the ESR a list of all subsequent permits or approvals that may be required for the implementation of the preferred alternative, including MOECC's PTTW and ECAs, conservation authority permits, and approval under the *Canadian Environmental Assessment Act* (CEAA).
- Ministry guidelines and other information related to the issues above are available at <http://www.ontario.ca/environment-and-energy/environment-and-energy> under the publications link. We encourage you to review all the available guides and to reference any relevant information in the ESR.

□ **Aboriginal Consultation**

- The environmental assessment process requires proponents to consult with interested persons and government agencies, including those potentially affected by the proposed project. This includes a responsibility to conduct adequate consultation with First Nation and Métis communities.
- The proponent's responsibilities for procedural aspects of consultation include:
 - Providing notice to the elected leadership of the First Nation and/or Métis communities (e.g., First Nation Chief) as early as possible regarding the project;
 - Providing First Nation and/or Métis communities with information about the proposed project including anticipated impacts, information on timelines and your environmental assessment process;

- Following up with First Nation and/or Métis communities to ensure they received project information and that they are aware of the opportunity to express comments and concerns about the project.
 - Providing First Nation and/or Métis communities with opportunities to meet with appropriate proponent representatives to discuss the project;
 - Gathering information about how the project may adversely impact the relevant Aboriginal and/or Treaty rights (for example, hunting, fishing) or sites of cultural significance (for example, burial grounds, archaeological sites);
 - Considering the comments and concerns provided by First Nation and/or Métis communities and providing responses;
 - Where appropriate, discussing potential mitigation strategies with First Nation and/or Métis communities;
 - Bearing the reasonable costs associated with these procedural aspects of consultation, which may include providing support to help build communities' capacity to participate in consultation about the proposed project.
 - Maintaining a Consultation Record to show evidence that you, the proponent, completed all the steps itemized above or at a minimum made meaningful attempts to do so.
 - Upon request, providing copies of the Consultation Record to the Ministry. The Consultation Record should:
 - summarize the nature of any comments and questions received from First Nation and/or Métis communities
 - describe your response to those comments and how their concerns were considered
 - include a communications log indicating the dates and times of all communications; and
 - document activities in relation to consultation.
- Successful consultation depends, in part, on early engagement by proponents with First Nation and Métis communities. Information shared with communities must be clear, accurate and complete, and in plain language where possible. The consultation process must maintain sufficient flexibility to respond to new information, and we trust you will make all reasonable efforts to build positive relationships with all First Nation and Métis communities contacted.

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July 20, 2017

File No.: EA 01-05

Craig Smith (BY EMAIL ONLY)
Manager, Planning and Maintenance
Veridian Connections

Olivera Radinovic (BY EMAIL ONLY)
Environmental Assessment Coordinator
Environmental Engineering and Project Support
Hydro One

**RE: Seaton Municipal Transformer Station Project
Veridian Connections and Hydro One
Class Environmental Assessment for Minor Transmission Facilities (1992)
Draft Environmental Study Report
Technical Support Section Comments**

Dear Mr. Smith and Ms. Radinovic,

We have received the draft Environmental Study Report (ESR) for the above noted environmental assessment. Our understanding is that the preferred alternative site is site 2 (SL 22 MTS). We provide the following comments on the ESR below for your consideration. Comments on the appendices will be provided in a separate letter following our review once the appendices are provided to the MOECC.

Executive Summary

1. Please ensure that page ES-3 is updated with the dates of the public review and comment period once finalized.

Section 1

2. Section 1.1, page 5 – The Seaton Community master Environmental Servicing Plan (MESP) should be dated July 2013.
3. Figure 1-3, page 6 – Please include a title on the y-axis. Please also spell out the acronyms in the legend (“DG” and “LTR”).
4. Section 1.3, page 7 – Third paragraph, bullet 1 could reference Figures 1-5 and 1-6. Third paragraph, bullet 3 could reference Figure 1-7.

5. Table 1-1 – Please include the following information in Table 1-1:

Permit, License or Approval: Permit to Take Water (PTTW) or Registration on the Environmental Activity and Sector Registry (EASR)

Primary Agency: MOECC

Description: Water takings of ground water and/or stormwater for the purpose of construction dewatering between 50 000 L/day and 400 000 L/day require registration on the EASR. Water takings of ground water and/or stormwater for the purpose of construction dewatering over 400 00 L/day require a PTTW.

6. For your reference, please refer to <https://www.ontario.ca/page/water-taking-user-guide-environmental-activity-and-sector-registry> for further information on the EASR for the water-taking sector and requirements under O. Reg. 63/16.
7. For your reference, O. Reg. 1/17 requires persons engaging in activities that discharge or may discharge contaminants to the natural environment, other than water, (i.e. air emissions), to register in the EASR unless the activities do not meet the criteria in the Regulation. It is recommended that the proponent consult with the MOECC's Environmental Approvals Branch with respect to requirements to obtain an Environmental Compliance Approval for air/noise vs. registration on the EASR.

Section 3

8. Figure 3-1 may be more appropriately titled "Key Environmental Features Map" as not all environmental features are displayed on the map.
9. The "West Duffins Creek" is referred to in Section 3 and should be labelled on Figure 3-1.
10. Section 3.4 – Please include a discussion on known or potential contaminated sites. This includes proximity to current or historical waste disposal sites, location of any underground storage tanks, contaminated areas etc.
11. The watercourse labels in Figures 3-3, 3-4, and 3-5 are not legible. Please correct.
12. Section 3.6.4 – Please confirm whether or not there are any policies in the CTC Source Protection Plan that apply to the project. This information should be included in this section.
13. Section 3.6.5 – This section should identify and describe the portion of the study area around proposed site #3 that are lands designated as Protected Countryside in the Greenbelt Plan.

Section 4

14. Per Section 3.6 of the parent class EA document (1992), concerns raised during the study will be noted in the ESR along with how they were addressed. Accordingly, please include another column in Table 4-1 titled “Hydro One – Veridian Response”, which details how the First Nation communities’ interests/concerns are being addressed by the proponents. This should include (but not limited to) commitments to further engagement with communities with respect to the Stage 2 archaeological assessment.
15. Please include another row in Table 4-1 for the Mississaugas of Scugog Island First Nation.
16. Section 4.6.4 and 4.6.5 – please include the number of attendees to the PICs.
17. Section 4-8 – please ensure paragraph 2, 2nd sentence is updated with the date in August for the completion of the public review and comment period, once finalized.
18. Section 4-8 – please also include the email address for the Minister.

Section 5

19. Figure 5-3 (“Site #2, Station and Old Line Tap Configuration”) and Figure 5-4 (“Site #2, Station and New Line Tap Configuration”) are the same figure, except Figure 5-4 is very slightly larger. Please clarify.
20. Section 5.2 and Table 5-2 – the method of calculating the score for each criteria group is cited in the ESR as “(Average score of Components) / (Maximum Score)* (Criteria Group Weight)”. Upon trying to use this formula to replicate the scores presented in the tables, it appears that the equation would be more appropriately written as:

“(Sum of Scores of Components) / (Maximum Score) * (Criteria Group Weight)”.

This is because it appears the scores of each component are being added together with the sum being used in the equation, and not the average score of the components. For example: Under Human Settlements, Site #1, the weighted score is 10.2. There are 5 components with scores of 3, 3, 5, 5, and 1. The average score of the components would be $17/5 = 3.4$, which would result in a weighted score of $3.4/25 * 15 = 2.04$. The sum of the scores is 17, which would result in a weighted score of $17/25 * 15 = 10.2$.

Section 7

21. Table 7-1, page 164 is cut off the page. Please correct.

22. Table 7-1 – Please include a bullet that speaks to the following comment: Activities involving the management of excess soil should be completed in accordance with the MOECC’s current guidance document titled “Management of Excess Soil – A Guide for Best Management Practices” (2014) available online (<http://www.ontario.ca/document/management-excess-soil-guide-best-management-practices>).
23. Table 7-1, Agricultural Resources – Mitigation measures for soil compaction impacts include “Construction and maintenance activities are scheduled at times of year when soils are least susceptible to compaction if possible” and “Construction and maintenance activities may be stopped when ground conditions are conducive to compaction (i.e. after a large rain event when clay soils are saturated)”. The use of “if possible” and “may” do not make these mitigation measures hard commitments. Accordingly, please either a) commit to scheduling construction and maintenance activities at times of the year when soils are least susceptible to compaction and commit to stopping construction and maintenance activities when ground conditions are conducive to compaction, making these firm mitigation measures to be put into place; or b) Add a bullet in the “residual effect” column that identifies and discusses the residual effects of soil compaction that may occur should construction and maintenance occur at times of the year when soils are susceptible to compaction and if construction and maintenance activities occur when ground conditions are conducive to compaction.
24. Section 7.1 states “As indicated previously in Section 3.1, the study area is comprised of Class 1, 2 and 3 agricultural lands.” Section 3.1 states that the study area is located in Class 1 and 2 agricultural lands, with no mention of Class 3. Please clarify.
25. Table 7-1, Cultural and Heritage Resources - A Stage 2 Archaeological Assessment is required for the preferred alternative, which has not yet been undertaken. The mitigation measure proposed for potential impacts of disturbance/destruction of archaeological resources is avoidance through alternative route and site selection. Should it not be feasible or desirable to implement the undertaking in the way originally planned and documented in the ESR and significant environmental implications are identified, an addendum to the ESR will be warranted.
26. Table 7-1, Air Quality – The ministry recommends that non-chloride dust suppressants be applied. For a comprehensive list of fugitive dust prevention and control measures that could be applied, refer to Cheminfo Services Inc. Best Practices for the Reduction of Air Emissions from Construction and Demolition Activities. Report prepared for Environment Canada. March 2005.<http://www.bieapfrempp.org/Toolbox%20pdfs/EC%20-%20Final%20Code%20of%20Practice%20-%20Construction%20%20Demolition.pdf>

27. Use of consistent terminology –Table 7-1, Spills (page 169) refers to the development of a Construction Environmental Management Plan to govern spills and other emergency response. Section 7.9 refers to the development of an Emergency Response Plan. Table 7-1, Contamination of surface water (page 179) refers to the development of Emergency Preparedness Plans which the acronym “ERP”. Please clarify whether the plan to be developed is called Emergency Response Plan or Emergency Preparedness Plan, and be consistent. Please clarify whether the Emergency Response Plan or Emergency Preparedness Plan is a part of the Construction Environmental Management Plan, or use consistent terminology.
28. Table 7-1, Disposal of waste water from dewatering activities (page 181) and Section 7.5.3, Surface Water Resources Construction Phase, page 208 – Refer to MOECC comment #5 above.

Section 9

29. Please ensure that page 221 is updated with the dates of the public review and comment period once finalized.

Other

30. Please include the Stage 1 Archaeological Assessment (WSP Canada Inc., 2015) in an appendix.
31. Please include the Built Resource Background Review (WSP Canada Inc., 2015) in an appendix.

Thank you for the opportunity to comment on this project. Should you or any members of your project team have any questions, please feel free to contact me at emilee.oleary@ontario.ca or 416-326-3469.

Please provide an accompanying response letter to support my review of the final draft of the ESR. Thank you in advance for your response to this ministry’s comments as posed herein.

Sincerely,



Emilee O’Leary
Regional Environmental Assessment Coordinator
Air, Pesticides and Environmental Planning

cc: Paul Martin, Supervisor, Technical Support Section, MOECC
Chris Hyde, Manager (A), York Durham District Office, MOECC
Andrew Roberts, Team Leader, WSP Canada Inc.
Farah Elayoubi, Project Team, Hydro One

Correspondence MOECC3

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August 9, 2017

File No.: EA 01-05

Craig Smith (BY EMAIL ONLY)
Manager, Planning and Maintenance
Veridian Connections

Olivera Radinovic (BY EMAIL ONLY)
Environmental Assessment Coordinator
Environmental Engineering and Project Support
Hydro One

**RE: Seaton Municipal Transformer Station Project
Veridian Connections and Hydro One
Class Environmental Assessment for Minor Transmission Facilities (1992)
Draft Environmental Study Report
Technical Support Section Comments – Letter 2**

Dear Mr. Smith and Ms. Radinovic,

We have received the draft Environmental Study Report (ESR) for the above noted environmental assessment. Our understanding is that the preferred alternative site is site 2 (SL 22 MTS).

We previously provided comments on the ESR in a letter dated July 20, 2017. The appendices were then provided to the MOECC for review. The following additional comments are provided for your consideration.

1. Section 4.6.5 (page 139) states that "A summary of all comments received at this PIC can be found in Appendix A-5, and issues and concerns raised are summarized in Tables 4-1 to 4-6." Please note that Section 4 of the ESR does not contain Tables 4-4 to 4-6. Please clarify.
2. Similar to the previous comment, section 4.6.6 (page 140) states that "The following table (Table 4-4: Key Themes of PICs) summarizes the number of people who provided comments on the key themes identified from the PICs." Again Section 4 of the ESR does not contain Table 4-4. Please clarify.
3. Table 4-1 of the ESR should indicate that Curve Lake First Nation has concerns related to the remains of its ancestors and would like to be kept informed of any relevant archaeological findings.

4. The Correspondence Log in Appendix A-2 has incorrectly placed the summary of the email sent on October 20, 2016 from Curve Lake (Kaitlin Hill) to WSP outlining the community's concerns related to archaeological findings under the "Hiawatha First Nation" heading instead of the "Curve Lake First Nation" heading.
5. In the Correspondence Log in Appendix A-2, the second entry under the "Hiawatha First Nation" has an incorrect date as it should be June 16, 2015 (not July 16, 2015).
6. Please include in Appendix A-2 the response email of February 13, 2017 from Hiawatha First Nation (Tom Cowie) indicating that the community would be in contact should they have any questions or concerns.
7. The Huron Wendat First Nation requested to review the archaeological assessments for this project. In multiple emails, a commitment to share the Stage 1 Archaeological Assessment with the community was made (October 25, 2016, February 27, 2017). Please confirm whether this has been completed to date. If this report has not been shared to date, please send the report to the Huron Wendat First Nation community as soon as possible.
8. Please ensure the ESR clearly documents the commitment to contact the Huron Wendat First Nation regarding participation with respect to the Stage 2 Archaeological Assessment.
9. The ESR indicates in Section 1, Section 4.4.3 and Table 4-3 that the current Class EA process also satisfies the requirements of the Ministry of Infrastructure (MOI) Public Work Class EA. However, the Correspondence Log in Appendix A-2 indicates that Infrastructure Ontario (IO) advised the proponents in June 2017 that the MOI Public Work Class EA cannot be included in this Class EA, and that the proponents informed IO that they will undertake the MOI Public Work Class EA. Please clarify whether or not the MOI Public Work Class EA is being undertaken separately from this Class EA or not. The ESR must be updated to accurately reflect how the two EA processes are being undertaken.
10. The Correspondence Log in Appendix A-2 does not match the ESR with respect to information provided about MOI and IO. Please note that IO is an arm's length crown agency which reports to MOI. It appears that section 4.4.3 of the ESR is discussing consultation with IO. Please clarify and update the ESR as appropriate.
11. The meeting held on March 16, 2016 with the Ministry of the Environment and Climate Change is missing from the Correspondence Log in Appendix A-2.
12. In the Correspondence Log in Appendix A-2, the third last entry under the "Ministry of Tourism, Culture and Sport" heading has an incorrect date as it should be January 20, 2017 (and not 2016).
13. The ESR places Toronto and Region Conservation Authority (TRCA) under section 4.4 "Provincial Government Representatives and Agencies", whereas Appendix A-2 and A-3 places TRCA under "Municipal Government Representatives and Agencies". Please be consistent.
14. TRCA's response letter of July 7, 2015 should be documented in the Correspondence Log in Appendix A-2.

15. The February 27, 2017 entry in the Correspondence Log in Appendix A-2 under "TRCA", states that WSP emailed TRCA to respond to their comments received 10th February 2017 (refer to Appendix A-3 Correspondence TRCA5). This correspondence is missing from Appendix A-3. Please include this correspondence in Appendix A-2 as this location is more appropriate.
16. The second entry under "Other residents" in the Correspondence Log in Appendix A-2 states "WSP emailed Resident 1 to address their concerns about Site #2 and the study area. (Appendix A-3 Correspondence O1)." This correspondence is not located in Appendix A-3. Please include this correspondence in Appendix A-2. It is noted that correspondence in Appendix A-2 is labelled as "Correspondence O1" however, it is an email from Resident 1 to WSP following up on their telephone call with an email dated June 17, 2015. This follow-up email is missing from the Correspondence Log.
17. Please note that under the "Other residents" heading in the Correspondence Log in Appendix A-2, there are references to correspondence in "Appendix A-3". The correspondence is not contained in Appendix A-3 but in Appendix A-2.
18. Please note that "Correspondence O5 (emails dated October 30, 2016 and November 10, 2016) is located between "Correspondence O4" separating the November 10, 2016 response from the other emails of October 25, 2016, October 28, 2016 and November 4, 2016.
19. Note that page 102 of 118 of the PDF for Appendix A-2 is a duplicate email.
20. Documentation related to meetings with various stakeholders should also be included in Appendix A-2. Please include relevant documentation (agendas, presentation materials, meeting minutes/notes etc.) for all meetings.
21. The Correspondence Log in Appendix A-2 indicates the Notice of PIC#1a was sent to Transport Canada, though Appendix A-3 states it was only sent to the INAC.
22. The Correspondence Log in Appendix A-2 indicates the Notice of PIC#1b and Notice of PIC#2 were sent to the Ministry of Energy, though this is not reflected in Appendix A-3.

Thank you for the opportunity to comment on this project. Should you or any members of your project team have any questions, please feel free to contact me at emilee.oleary@ontario.ca or 416-326-3469.

Please provide an accompanying response letter to support my review of the final draft of the ESR. Thank you in advance for your response to this ministry's comments as posed herein.

Sincerely,



Emilee O'Leary
Regional Environmental Assessment Coordinator
Air, Pesticides and Environmental Planning

cc: Paul Martin, Supervisor, Technical Support Section, MOECC
Chris Hyde, Manager (A), York Durham District Office, MOECC
Andrew Roberts, Team Leader, WSP Canada Inc.
Farah Elayoubi, Project Team, Hydro One



September 28, 2017

Emilee O'Leary
 Regional Environmental Assessment Coordinator
 Central Region
 5775 Yonge Street, 8th Floor
 North York, Ontario M2M 4J1

**Re: Seaton Municipal Transformer Station
 Response to MOECC Comments on the Pre-Release Draft Environmental Study Report
 MOECC File No.: EA 01-05**

Dear Ms. O'Leary:

This letter is to provide you with an update on the Class Environmental Assessment (Class EA) for the Seaton Municipal Transformer Station (Seaton TS) project. The Project Team thanks you for your comments on the Pre-Release Draft ESR and appendices, and would like to acknowledge your comments. Your comments, and the response from Veridian and Hydro One are shown below in tabular format.

Comments from MOECC letter of July 20, 2017

Section	Comment No.	MOECC Comments	Project Team Response
Executive Summary	1	Please ensure that page ES-# is updated with the dates of the public review and comment period once finalized	Page ES-3 will be updated with the dates of the public review and comment period
Section 1	2	Section 1.1., page 5 – The Seaton Community master Environmental Servicing Plan (MESP) should be dated July 2013	MESP references throughout the document will be revised to July 2013
	3	Figure 1-3, page 6 – Please include a title on the y-axis. Please also spell out the acronyms in the legend (“DG” and “LTR”).	Figure 1-3 will be revised to include “Demand (MW)” as the title on the y-axis and to spell acronyms. DG refers to “Distributed Generation”, while LTR refers to “Limited Time Rating” which is a measure of a station’s capacity to serve load
	4	Section 1.3, page 7 – Third paragraph, bullet 1 could reference Figures 1-5 and 1-6. Third paragraph, bullet 3 could reference Figure 1-7	Figure references will be included as suggested
	5	Table 1-1 – Please include the following information in Table 1-1: Permit, License or Approval: Permit to	Table 1-1 will be revised as suggested.

Section	Comment No.	MOECC Comments	Project Team Response
		Take Water (PTTW) or Registration on the Environmental Activity and Sector Registry (EASR) Primary Agency: MOECC Description: Water takings of ground water and/or stormwater for the purpose of construction dewatering between 50 000 L/day and 400 000 L/day require registration on the EASR. Water takings of ground water and/or stormwater for the purpose of construction dewatering over 400 00 L/day require a PTTW	
	6	For your reference, please refer to https://www.ontario.ca/page/water-taking-user-guide-environmental-activity-and-sector-registry for further information on the EASR for the water-taking sector and requirements under O. Reg. 63/16.	Reference acknowledged.
	7	For your reference, O. Reg. 1/17 requires persons engaging in activities that discharge or may discharge contaminants to the natural environment, other than water, (i.e. air emissions), to register in the EASR unless the activities do not meet the criteria in the Regulation. It is recommended that the proponent consult with the MOECC's Environmental Approvals Branch with respect to requirements to obtain an Environmental Compliance Approval for air/noise vs. registration on the EASR	Reference acknowledged.
Section 3	8	Figure 3-1 may be more appropriately titled "Key Environmental Features Map" as not all environmental features are displayed on the map	The title of Figure 3-1 will be revised to "Key Environmental Features Map"
	9	The "West Duffins Creek" is referred to in Section 3 and should be labelled on Figure 3-1	A label for West Duffins Creek will be added to Figure 3-1
	10	Section 3.4 – Please include a discussion on known or potential contaminated sites. This includes proximity to current or historical waste disposal sites, location of any underground storage tanks, contaminated areas, etc.	The following will be added to Section 3.4 in a new sub-section: Historically, the study area is primarily agricultural in nature. No known current or historical waste disposal sites, contaminated sites, or underground storage tanks exist in the study area (MOECC, 2017a; MOECC, 2017b; MNRF 2016, Treasury Board of Canada, n.d; Waste Management Branch, 1991)
	11	The watercourse labels in Figures 3-3, 3-4,	Figures 3-3, 3-4, and 3-5 will be

Section	Comment No.	MOECC Comments	Project Team Response
		and 3-5 are not legible. Please correct.	revised to ensure watercourse labels are legible
	12	Section 3.6.4 – Please confirm whether or not there are any policies in the CTC Source Protection Plan that apply to the project. This information should be included in this section.	Section 3.6.4 will be revised to indicate that no specific policies in the CTC Source Protection Plan apply to the project, since it is not located in a well-head protection area, significant groundwater quality threat area, modelled significant threat location, or moderate and low threat location for Lake Ontario intakes.
	13	Section 3.6.5 – This section should identify and describe the portion of the study area around proposed site #3 that are lands designated as Protected Countryside in the Greenbelt Plan	Section 3.6.5 will be revised as follows to describe the portion of the study area that is designated as Protected Countryside: The northwest portion of the study area around site #3 is designated as Protected Countryside under the Greenbelt Plan. The designated area includes a CN Railway, transmission corridors, woodlot, and agricultural lands. Subject to Greenbelt Plan policies for Protected Countryside areas, infrastructure development receiving EA approval is permitted if it “serves the significant growth and economic development expected in southern Ontario beyond the Greenbelt” (MMAH, 2017)
Section 4	14	Per Section 3.6 of the parent class EA document (1992), concerns raised during the study will be noted in the ESR along with how they were addressed. Accordingly, please include another column in Table 4-1 titled “Hydro One – Veridian Response”, which details how the First Nation communities’ interests/concerns are being addressed by the proponents. This should include (but not limited to) commitments to further engagement with communities with respect to the Stage 2 archaeological assessment.	An additional column in Table 4-1 titled “Hydro One-Veridian Response” will be included in Table 4-1.
	15	Please include another row in Table 4-1 for the Mississaugas of Scugog Island First Nation	An additional row in Table 4-1 will be included for the Mississaugas of Scugog Island First Nation
	16	Section 4.6.4 and 4.6.5 – please include the number of attendees to the PICs	The number of attendees to the PICs will be included in Sections 4.6.4 and

Section	Comment No.	MOECC Comments	Project Team Response
			4.6.5
	17	Section 4-8 – please ensure paragraph 2, 2 nd sentence is updated with the date in August for the completion of the public review and comment period, once finalized.	The date for completion of the public review and comment period will be updated once finalized
	18	Section 4-8 – please also include the email address for the Minister	The Minister’s email address will be included in Section 4.8
Section 5	19	Figure 5-3 (“Site #2, Station and Old Line Tap Configuration”) and Figure 5-4 (“Site #2, Station and New Line Tap Configuration”) are the same figure, except Figure 5-4 is very slightly larger. Please clarify.	Figure 5-3 is correct and shows the “old” line tap configuration. Figure 5-4 will be edited to show the changes in the line tap configuration based on comments received from consultation.
	20	<p>Section 5.2 and Table 5-2 – the method of calculating the score for each criteria group is cited in the ESR as “(Average score of Components) / (Maximum Score)* (Criteria Group Weight)”. Upon trying to use this formula to replicate the scores presented in the tables, it appears that the equation would be more appropriately written as:</p> <p>“(Sum of Scores of Components) / (Maximum Score) * (Criteria Group Weight)”.</p> <p>This is because it appears the scores of each component are being added together with the sum being used in the equation, and not the average score of the components. For example: Under Human Settlements, Site #1, the weighted score is 10.2. There are 5 components with scores of 3, 3, 5, 5, and 1. The average score of the components would be $17/5 = 3.4$, which would result in a weighted score of $3.4/25*15 = 2.04$. The sum of the scores is 17, which would result in a weighted score of $17/25*15 = 10.2$.</p>	Document text and Table 5-2 will be revised to show the correct equation.
Section 7	21	Table 7-1, page 164 is cut off the page. Please correct.	The Draft ESR will be revised to show the complete Table 7-1
	22	Table 7-1 – Please include a bullet that speaks to the following comment: Activities involving the management of excess soil should be completed in accordance with the MOECC’s current guidance document titled “Management of Excess Soil – A Guide for Best	Table 7-1 will include a bullet that requires management of excess soil in accordance with “Management of Excess Soil – A Guide for Best Management Practices”

Section	Comment No.	MOECC Comments	Project Team Response
		Management Practices” (2014) available online (http://www.ontario.ca/document/management-excess-soil-guide-best-management-practices).	
	23	Table 7-1, Agricultural Resources – Mitigation measures for soil compaction impacts include “Construction and maintenance activities are scheduled at times of year when soils are least susceptible to compaction if possible” and “Construction and maintenance activities may be stopped when ground conditions are conducive to compaction (i.e. after a large rain event when clay soils are saturated)”. The use of “if possible” and “may” do not make these mitigation measures hard commitments. Accordingly, please either a) commit to scheduling construction and maintenance activities at times of the year when soils are least susceptible to compaction and commit to stopping construction and maintenance activities when ground conditions are conducive to compaction, making these firm mitigation measures to be put into place; or b) Add a bullet in the “residual effect” column that identifies and discusses the residual effects of soil compaction that may occur should construction and maintenance occur at times of the year when soils are susceptible to compaction and if construction and maintenance activities occur when ground conditions are conducive to compaction.	<p>Time-critical events such as planned or unplanned power outages, equipment shipments, concrete pours, etc. during construction and operation may preclude stopping work, or avoiding work in early spring when the soil may be soft.</p> <p>During construction, the majority of work will take place within the area occupied by the proposed MTS or on temporary gravel access roads and pads. Use of temporary access roads and pads is expected to limit the potential for soil compaction.</p> <p>An additional mitigation measure will be added as follows:</p> <p>Any compaction that occurs in agricultural areas during construction and operation will be addressed in consultation with the property owner/farmer and will include tilling or sub-soiling where appropriate.</p> <p>No residual effects are expected following application of mitigation measures</p>
	24	Section 7.1 states “As indicated previously in Section 3.1, the study area is comprised of Class 1, 2 and 3 agricultural lands.” Section 3.1 states that the study area is located in Class 1 and 2 agricultural lands, with no mention of Class 3. Please clarify.	Section 3.1 is correct. Section 7.1 will be revised to remove references to Class 3 agricultural lands.
	25	Table 7-1, Cultural and Heritage Resources - A Stage 2 Archaeological Assessment is required for the preferred alternative, which has not yet been undertaken. The mitigation measure proposed for potential impacts of disturbance/destruction of archaeological resources is avoidance through alternative	An addendum to the ESR will be prepared and submitted should archaeological resources be identified that would result in selection of an alternative site or route.

Section	Comment No.	MOECC Comments	Project Team Response
		route and site selection. Should it not be feasible or desirable to implement the undertaking in the way originally planned and documented in the ESR and significant environmental implications are identified, an addendum to the ESR will be warranted.	
	26	Table 7-1, Air Quality – The ministry recommends that non-chloride dust suppressants be applied. For a comprehensive list of fugitive dust prevention and control measures that could be applied, refer to Cheminfo Services Inc. Best Practices for the Reduction of Air Emissions from Construction and Demolition Activities. Report prepared for Environment Canada. March 2005. http://www.bicapfrempp.org/Toolbox%20pdfs/EC%20-%20Final%20Code%20of%20Practice%20-%20Construction%20%20Demolition.pdf	The second bullet under Mitigation Measures for Air Quality will be revised to indicate that non-chloride dust suppressants will be used
	27	Use of consistent terminology –Table 7-1, Spills (page 169) refers to the development of a Construction Environmental Management Plan to govern spills and other emergency response. Section 7.9 refers to the development of an Emergency Response Plan. Table 7-1, Contamination of surface water (page 179) refers to the development of Emergency Preparedness Plans which the acronym “ERP”. Please clarify whether the plan to be developed is called Emergency Response Plan or Emergency Preparedness Plan, and be consistent. Please clarify whether the Emergency Response Plan or Emergency Preparedness Plan is a part of the Construction Environmental Management Plan, or use consistent terminology.	<p>During construction, the Construction Environmental Management Plan will provide guidance should spills occur during construction. Guidance for other emergencies (e.g. medical) will be provided in an Emergency Preparedness and Rescue Plan.</p> <p>During operation, an Emergency Response Plan will provide guidance should spills or other emergencies occur.</p> <p>Table 7.1 and Section 7.9 will be revised to clarify terminology.</p>
	28	Table 7-1, Disposal of waste water from dewatering activities (page 181) and Section 7.5.3, Surface Water Resources Construction Phase, page 208 – Refer to MOECC comment #5 above.	Table 7-1 and Section 7.5.3 will be revised to indicate that an EASR is required if taking between 50,000 L and 400,000 L of water per day, and a PTTW is required if taking over 400,000 L of water per day for the purposes of construction dewatering.
	29	Please ensure that page 221 is updated	Dates of the public review and

Section	Comment No.	MOECC Comments	Project Team Response
		with the dates of the public review and comment period once finalized.	comment period will be updated once finalized.
	30	Please include the Stage 1 Archaeological Assessment (WSP Canada Inc., 2015) in an appendix.	The Stage 1 Archaeological Assessment will be included as an appendix in the Draft and Final ESRs
	31	Please include the Built Resource Background Review (WSP Canada Inc., 2015) in an appendix.	The Built Resource Background Review will be included as an appendix in the Draft and Final ESRs

Comments from MOECC letter of August 9, 2017

Comment No.	MOECC Comments	Project Team Response
1	Section 4.6.5 (page 139) states that “A summary of all comments received at this PIC can be found in Appendix A-5, and issues and concerns raised are summarized in Tables 4-1 to 4-6.” Please note that Section 4 of the ESR does not contain Tables 4-4 to 4-6. Please clarify	DESR text will be modified as follows: A summary of all comments received at this PIC can be found in Appendix A-5, and issues and concerns raised are summarized in Tables 4-1 to 4-3.
2	Similar to the previous comment, section 4.6.6 (page 140) states that “The following table (Table 4-4: Key Themes of PICs) summarizes the number of people who provided comments on the key themes identified from the PICs.” Again Section 4 of the ESR does not contain Table 4-4. Please clarify.	Reference removed. As the PIC was not attended by any members of the public, there were no concerns or discussion raised. All information on PIC can be found in Appendix A4, A-5 and A-6.
3	Table 4-1 of the ESR should indicate that Curve Lake First Nation has concerns related to the remains of its ancestors and would like to be kept informed of any relevant archaeological findings.	Table 4-1 will include this information.
4	The Correspondence Log in Appendix A-2 has incorrectly placed the summary of the email sent on October 20, 2016 from Curve Lake (Kaitlin Hill) to WSP outlining the community’s concerns related to archaeological findings under the “Hiawatha First Nation” heading instead of the “Curve Lake First Nation” heading.	This entry will be corrected
5	In the Correspondence Log in Appendix A-2, the second entry under the Hiawatha First Nation” has an incorrect date as it should be June 16, 2015 (not July 16, 2015).	This entry will be corrected.
6	Please include in Appendix A-2 the	The correspondence will be included in the Appendix as requested.

Comment No.	MOECC Comments	Project Team Response
	response email of February 13, 2017 from Hiawatha First Nation (Tom Cowie) indicating that the community would be in contact should they have any questions or concerns.	
7	The Huron Wendat First Nation requested to review the archaeological assessments for this project. In multiple emails, a commitment to share the Stage 1 Archaeological Assessment with the community was made (October 25, 2016, February 27, 2017). Please confirm whether this has been completed to date. If this report has not been shared to date, please send the report to the Huron Wendat First Nation community as soon as possible.	Confirmed that the Stage 1 Archaeological Assessment has been shared with HWFN. The correspondence log will be updated to reflect this.
8	Please ensure the ESR clearly documents the commitment to contact the Huron Wendat First Nation regarding participation with respect to the Stage 2 Archaeological Assessment.	Documented in Table 4-1 “The Proponent has informed HWFN of upcoming Stage 2 archaeological work, and will engage monitors as requested.”
9	The ESR indicates in Section 1, Section 4.4.3 and Table 4-3 that the current Class EA process also satisfies the requirements of the Ministry of Infrastructure (MOI) Public Work Class EA. However, the Correspondence Log in Appendix A-2 indicates that Infrastructure Ontario (IO) advised the proponents in June 2017 that the MOI Public Work Class EA cannot be included in this Class EA, and that the proponents informed IO that they will undertake the MOI Public Work Class EA. Please clarify whether or not the MOI Public Work Class EA is being undertaken separately from this Class EA or not. The ESR must be updated to accurately reflect how the two EA processes are being undertaken.	This will be clarified in the document. A separate EA process will be used for IO’s undertaking of granting an easement for the substation and line tap connection.
10	The Correspondence Log in Appendix A-2 does not match the ESR with respect to information provided about MOI and IO. Please note that IO is an arm’s length crown agency which reports to MOI. It appears that section 4.4.3 of the ESR is discussing consultation with IO. Please clarify and update the ESR as appropriate.	Communication was with IO. The ESR will be updated to reflect this.
11	The meeting held on March 16, 2016 with	Appendix A-2 will be updated with this meeting.

Comment No.	MOECC Comments	Project Team Response
	the Ministry of the Environment and Climate Change is missing from the Correspondence Log in Appendix A-2.	
12	In the Correspondence Log in Appendix A-2, the third last entry under the “Ministry of Tourism, Culture and Sport” heading has an incorrect date as it should be January 20, 2017 (and not 2016).	The date will be corrected in Appendix A-2
13	The ESR places Toronto and Region Conservation Authority (TRCA) under section 4.4 “Provincial Government Representatives and Agencies”, whereas Appendix A-2 and A-3 places TRCA under “Municipal Government Representatives and Agencies”. Please be consistent.	ESR will be updated to include TRCA as a provincial agency.
14	TRCA’s response letter of July 7, 2015 should be documented in the Correspondence Log in Appendix A-2.	Appendix A-2 will be updated to include this correspondence.
15	The February 27, 2017 entry in the Correspondence Log in Appendix A-2 under “TRCA”, states that WSP emailed TRCA to respond to their comments received 10th February 2017 (refer to Appendix A-3 Correspondence TRCA5). This correspondence is missing from Appendix A-3. Please include this correspondence in Appendix A-2 as this location is more appropriate.	Correspondence added at Appendix A- 2
16	The second entry under “Other residents” in the Correspondence Log in Appendix A-2 states “WSP emailed Resident 1 to address their concerns about Site #2 and the study area. (Appendix A-3 Correspondence O1).” This correspondence is not located in Appendix A-3. Please include this correspondence in Appendix A-2. It is noted that correspondence in Appendix A-2 is labelled as “Correspondence O1” however, it is an email from Resident 1 to WSP following up on their telephone call with an email dated June 17, 2015. This follow-up email is missing from the Correspondence Log.	The response email will be referenced as Appendix A-2 consistent with the other correspondence. The response email from WSP will be included as O1b in Appendix A-2 following O1.
17	Please note that under the “Other residents” heading in the Correspondence Log in Appendix A-2, there are references to correspondence in "Appendix A-3". The correspondence is not contained in	The references have been updated to Appendix A-2. Appendix A-3 was included as an error.

Comment No.	MOECC Comments	Project Team Response
	Appendix A-3 but in Appendix A-2.	
18	Please note that "Correspondence O5 (emails dated October 30, 2016 and November 10, 2016) is located between "Correspondence O4" separating the November 10, 2016 response from the other emails of October 25, 2016, October 28, 2016 and November 4, 2016.	Acknowledged.
19	Note that page 102 of 118 of the PDF for Appendix A-2 is a duplicate email.	The duplicate will be removed.
20	Documentation related to meetings with various stakeholders should also be included in Appendix A-2. Please include relevant documentation (agendas, presentation materials, meeting minutes/notes etc.) for all meetings.	Most meetings were informational in nature and as such agendas were not provided and minutes were not recorded, except for meetings with MOECC. Agency and stakeholder interests have been documented in the Consultation Log and correspondence in A-2.
21	The Correspondence Log in Appendix A-2 indicates the Notice of PIC#1a was sent to Transport Canada, though Appendix A-3 states it was only sent to the INAC.	Transport Canada added to recipients for A-3.
22	The Correspondence Log in Appendix A-2 indicates the Notice of PIC#1b and Notice of PIC#2 were sent to the Ministry of Energy, though this is not reflected in Appendix A-3.	Ministry of Energy added to recipients for A-3

If you have any questions, or would like additional information regarding this project, please contact:

Andrew Roberts, Project Manager, Consultant

WSP Canada Inc.

100 Commerce Valley Drive West

Thornhill, Ontario L3T 0A7 Canada

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C +1 647-821-2734

Andrew.Roberts@wsp.com.

Yours truly,

Veridian Connections

Hydro One Networks Inc.

A handwritten signature in black ink on a light gray rectangular background. The signature appears to read "Craig Smith".A handwritten signature in black ink, consisting of stylized initials or a name.

Craig Smith, P.Eng.
Project Manager Veridian Connections

Olivera Radinovic
Environmental Assessment Coordinator,
Environmental Engineering and Project Support

Roberts, Andrew

From: O'Leary, Emilee (MOECC) <Emilee.OLeary@ontario.ca>
Sent: Thursday, November 30, 2017 10:14 AM
To: Roberts, Andrew
Cc: Craig Smith (csmith@veridian.on.ca); 'Olivera.RADINOVIC@HydroOne.com'; Martin, Paul (MOECC); Dugas, Celeste (MOECC)
Subject: MOECC Comments_Final Draft Environmental Study Report for the Seaton Municipal Transformer Station (CLOSE OUT)

Dear Project Team,

**RE: Seaton Municipal Transformer Station Project
Veridian Connections and Hydro One
Class Environmental Assessment for Minor Transmission Facilities (1992)
Draft Environmental Study Report
Technical Support Section Comments**

The MOECC has reviewed the final draft ESR (Nov. 2017) and the response letter of September 28, 2017. We have no further comments.

****Please note that this serves as the ministry's formal correspondence. By email only.****

Regards,

Emilee O'Leary | Environmental Planner/Environmental Assessment Coordinator
Technical Support Section, Central Region, Ministry of the Environment and Climate Change
5775 Yonge Street, 8th floor, Toronto ON, M2M 4J1
Phone: 416-326-3469 | emilee.oleary@ontario.ca

From: Roberts, Andrew [<mailto:Andrew.Roberts@wsp.com>]
Sent: November 16, 2017 1:31 PM
To: O'Leary, Emilee (MOECC)
Cc: Craig Smith (csmith@veridian.on.ca); 'Olivera.RADINOVIC@HydroOne.com'
Subject: Notice of Completion: Draft Environmental Study Report for the Seaton Municipal Transformer Station (MTS)

Veridian and Hydro One have now completed a draft Environmental Study Report (ESR) for the proposed Seaton Municipal Transformer Station (MTS) which will be available for a 30-day public review and comment period. Please see the attached notice.

Best regards,

Andrew Roberts, M.A.Sc.
Team Leader – Approvals and Permitting
Environment



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Correspondence MTCS1

Roberts, Andrew

From: Zirger, Rosi (MTCS) <Rosi.Zirger@ontario.ca>
Sent: Monday, January 04, 2016 4:29 PM
To: Roberts, Andrew
Subject: Veridian Connections Seaton Transformer Station EA

Good Afternoon

I wonder if you could provide me with an update of the above noted EA project? In particular, would you please advise whether any archaeological assessment or cultural heritage reports may have been undertaken to date.

Meanwhile, MTCS would appreciate being kept informed of this project as it proceeds through the EA process. Please send future notices to **Rosi Zirger Heritage Planner** at rosi.zirger@ontario.ca.

Thank you in advance.

Rosi Zirger

Heritage Planner

Ministry of Tourism, Culture & Sport

Culture Division | Programs & Services Branch | Culture Services Unit

401 Bay Street, Suite 1700 Toronto, Ontario M7A 0A7

Tel. 416.314.7159 | Fax 416.314.7175 | E-mail: rosi.zirger@ontario.ca

From: Roberts, Andrew [<mailto:Andrew.Roberts@wspgroup.com>]

Sent: July 28, 2015 1:51 PM

To: Minkin, Dan (MTCS)

Subject: Veridian Connections Seaton Transformer Station Environmental Assessment Public Information Centre Invitation

Please see the attached invitation to the Public Information Centre. Should you have any comments or concerns about the Study, please contact me at your convenience.

Best Regards,



Andrew Roberts, M.A.Sc.

Team Leader – Approvals and Permitting, Environment

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C +1 647-821-2734

www.wspgroup.com

We were GENIVAR. We are now WSP.

Correspondence MTCS2

Roberts, Andrew

From: Roberts, Andrew
Sent: Tuesday, January 05, 2016 9:49 AM
To: Zirger, Rosi (MTCS)
Cc: Craig Smith (csmith@veridian.on.ca); Yahn, Douglas
Subject: RE: Veridian Connections Seaton Transformer Station EA

Good morning, Rosi. A Stage 1 archeological assessment and a cultural heritage review are being done for the study area as part of the Class EA. These have not yet been completed.

We are pleased to add you as the contact to keep the MTCS informed of the study progress.

Best regards,

Andrew



Andrew Roberts, M.A.Sc.
Team Leader – Approvals and Permitting, Environment

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We were GENIVAR. We are now WSP.

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From: Zirger, Rosi (MTCS) [mailto:Rosi.Zirger@ontario.ca]
Sent: Monday, January 04, 2016 4:29 PM
To: Roberts, Andrew
Subject: Veridian Connections Seaton Transformer Station EA

Good Afternoon

I wonder if you could provide me with an update of the above noted EA project? In particular, would you please advise whether any archaeological assessment or cultural heritage reports may have been undertaken to date.

Meanwhile, MTCS would appreciate being kept informed of this project as it proceeds through the EA process. Please send future notices to **Rosi Zirger Heritage Planner** at rosi.zirger@ontario.ca.

Thank you in advance.

Rosi Zirger

Heritage Planner

Ministry of Tourism, Culture & Sport

Culture Division | Programs & Services Branch | Culture Services Unit

401 Bay Street, Suite 1700 Toronto, Ontario M7A 0A7

Tel. 416.314.7159 | Fax 416.314.7175 | E-mail: rosi.zirger@ontario.ca



Correspondence MTCS3

Roberts, Andrew

From: Zirger, Rosi (MTCS) <Rosi.Zirger@ontario.ca>
Sent: Tuesday, January 05, 2016 11:25 AM
To: Roberts, Andrew
Cc: Craig Smith (csmith@veridian.on.ca); Yahn, Douglas
Subject: RE: Veridian Connections Seaton Transformer Station EA

Thanks for the update.

Rosi Zirger

Heritage Planner

Ministry of Tourism, Culture & Sport
Culture Division | Programs & Services Branch | Culture Services Unit
401 Bay Street, Suite 1700 Toronto, Ontario M7A 0A7

Tel. 416.314.7159 | Fax 416.314.7175 | E-mail: rosi.zirger@ontario.ca

Roberts, Andrew

From: Yahn, Douglas
Sent: Friday, January 20, 2017 12:19 PM
To: Langford, Dale; Roberts, Andrew
Subject: FW: Your report package is being screened for completeness - P365-0054-2015 / *

Just FYI



Douglas A. Yahn, MES, CAHP
National Archaeology and Heritage Discipline Lead
National Indigenous Relations Lead

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<http://www.wsp-pb.com/en/WSP-Canada/Who-we-are/About-us/Indigenous-Relations/>

<http://www.wsp-pb.com/en/WSP-Canada/What-we-do/Environment/Our-Services/Archaeology--Heritage/>

Please consider the environment before printing...

From: pastport [mailto:pastport@ontario.ca]
Sent: Friday, January 20, 2017 12:15 PM
To: Yahn, Douglas <Douglas.Yahn@wspgroup.com>
Cc: PastPort@ontario.ca
Subject: Your report package is being screened for completeness - P365-0054-2015 / *

Dear Douglas Yahn,

The ministry has received your project report package associated with PIF number P365-0054-2015 submitted on Jan 20, 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

Ministry of Tourism, Culture and Sport

Archaeology Programs Unit
Programs and Services Branch
Culture Division
401 Bay Street, Suite 1700
Toronto ON M7A 0A7
Tel.: (416) 212-8442
Email: John.Dunlop@ontario.ca

Ministère du Tourisme, de la Culture et du Sport

Unité des programmes d'archéologie
Direction des programmes et des services
Division de culture
401, rue Bay, bureau 1700
Toronto ON M7A 0A7
Tél. : (416) 212-8442
Email: John.Dunlop@ontario.ca



May 24, 2017

Douglas Yahn (P365)
WSP Canada
1269 Premier Thunder Bay ON P7B 0A3

RE: Review and Entry into the Ontario Public Register of Archaeological Reports: Archaeological Assessment Report Entitled, "STAGE 1 ARCHAEOLOGICAL ASSESSMENT VERIDIAN TRANSFORMER STATIONS PARTS OF LOT 18 CONCESSION 4, LOT 22 CONCESSION 4, AND LOT 24 CONCESSION 2, CITY OF PICKERING, DURHAM REGION, PROVINCE OF ONTARIO", Dated Apr 27, 2017, Filed with MTCS Toronto Office on May 5, 2017, MTCS Project Information Form Number P365-0054-2015, MTCS File Number 0003427

Dear Mr. Yahn:

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 assessment of the study area as depicted in Figures 7a, b and c of the above titled report and recommends the following:

- 1) Stage 2 archaeological assessment is required for all undisturbed sediments located within 300m of early Euro-Canadian settlement, 300m of a permanent water source, and 100m of early historic transportation routes (Figures 7a, 7b, and 7c - green). Stage 2 survey must be completed using 5m test pit survey methodologies.
- 2) Lands identified as holding undulating and bermed terrain (existing hydro corridor, Figures 7a and 7b - Red) must be subject to Stage 2 test pit survey to confirm site disturbance. Test pits should be placed throughout the areas identified as disturbed according to professional judgement in order to confirm that these areas have been completely disturbed (as per Section 2.1.8 Standard 2).
- 3) While it is determined that archaeological assessments have been completed for lands contained within Site 2 (Figure 2a and 7a), these reports were not made available at the time of this assessment. As such, Stage 2 survey must be completed to confirm the presence or

absence of archaeological materials. Stage 2 survey should be conducted using pedestrian survey at 5m intervals (as per Section 2.1.1).

4) The remainder of the property is determined to have low archaeological potential due to documented site disturbance (as per Section 1.4 Standard 1f), presence of low and water saturated or steeply sloped terrain (as per Section 2.1 Standard 2a), or due to having been previously assessed and found to hold no archaeological resources.

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,

John Dunlop
Archaeology Review Officer

cc. Archaeology Licensing Officer
Craig Smith, Veridian Connections Inc.
Craig Smith, Veridian Connections Inc.

¹In 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.

Roberts, Andrew

From: ESA Aurora (MNRF) <ESA.Aurora@ontario.ca>
Sent: Tuesday, May 12, 2015 9:53 AM
To: Adams, Austin; Fitzpatrick, Erin
Cc: Burkart, Jackie (MNRF)
Subject: RE: Request for Information - RE: Seaton MTS Class EA

Hello Austin,

In addition, it is my understanding that Infrastructure Ontario is in the process of completing, or has completed, their field studies for their lands within the Seaton area. Perhaps it would be worthwhile to touch base with Graham Martin from Infrastructure Ontario as they may have addition information.

Graham Martin
Vice President, Seaton Lands
(416) 574-0698
Graham.Martin@infrastructureontario.ca

Megan

From: ESA Aurora (MNRF)
Sent: May-12-15 9:39 AM
To: 'Adams, Austin'; Burkart, Jackie (MNRF)
Cc: Fitzpatrick, Erin
Subject: RE: Request for Information - RE: Seaton MTS Class EA

Hello Austin,

Please find attached a letter in response to your request for additional information for the Seaton MTS Class EA. Please continue to keep MNRF informed throughout the formal EA process.

Thank you,

Megan

Megan Eplett | A/ Management Biologist | Aurora District | Ministry of Natural Resources and Forestry

☎ (905) 713-7369 | ✉ megan.eplett@ontario.ca

Correspondence with Municipal Government Representatives and Agencies

Correspondence for the Project for the following Municipal Agencies follows.

- Toronto and Region Conservation Authority (TRCA).

July 7, 2015

CFN 52944

BY E-MAIL ONLY (Andrew.Roberts@wspgroup.com)

Andrew Roberts
WSP Canada Inc.
600 Cochrane Drive, 5th Floor
Markham, ON L3R 5K3

Dear Mr. Roberts:

**Re: Response to Notice of Study Commencement
Veridian Connections Seaton Transformer Sub-Station
Class Environmental Assessment for Minor Transmission Facilities – Category B
Duffins Creek Watershed; City of Pickering; Regional Municipality of Durham**

Toronto and Region Conservation Authority (TRCA) staff received the Notice of Commencement for the above noted Environmental Assessment (EA) on June 17, 2015. It is our understanding that this undertaking involves the evaluation of three (3) potential transformer station sites in the City of Pickering.

TRCA Areas of Interest

Staff has screened the three (3) potential station sites and identified the following Areas of Interest. As it was difficult to determine the exact proposed location of each site, the Areas of Interest identified below are based generally on the key plan provided.

Station Site – Northeast of Brock Road and Taunton Road

TRCA Regulated Areas

- Regulation Limit
- Regulatory Flood Plain
- Watercourses
- Wetlands

TRCA Program and Policy Areas

- Aquatic Species and Habitat
- Aquifers and Hydrogeological Features
- Stormwater Management
- Terrestrial Natural Heritage System Strategy
- Terrestrial Species and Habitat

Station Site – Northeast of Sideline 22 and Taunton Road

TRCA Regulated Areas

- Regulation Limit
- Crest of Slope
- Regulatory Flood Plain
- Wetlands
- Watercourses

TRCA Program and Policy Areas

- Aquatic Species and Habitat
- Aquifers and Hydrogeological Features
- Environmentally Significant Areas
- Stormwater Management
- Terrestrial Natural Heritage System Strategy
- Terrestrial Species and Habitat

Station Site – East of Dixie RoadTRCA Regulated Areas

- Regulation Limit
- Regulatory Flood Plain
- Crest of Slope
- Watercourses

Provincial Program Areas

- Greenbelt

TRCA Program and Policy Areas

- Aquatic Species and Habitat
- Aquifers and Hydrogeological Features
- Archaeological and Heritage Resources
- Conservation Land (TRCA property)
- Environmentally Significant Areas
- Stormwater Management
- Terrestrial Natural Heritage System Strategy
- Terrestrial Species and Habitat

Please contact the Ministry of Natural Resources and Forestry to confirm if there are program interests related to this project for:

- Areas of Natural and Scientific Interest
- Provincially Significant Wetlands
- Provincially Endangered Species

Please contact the relevant federal agency to confirm if there are issues related to:

- As an Long-horned Beetle Regulated Area
- Federally Endangered Species

There may be the need for additional consultation with other federal and provincial agencies to ensure that the requirements of such legislation are met. This list is not inclusive and the onus is on the proponent and its consultants to consult with other agencies as required.

Available mapping and program information regarding these Areas of Interest are available for your reference. Please ensure that the status, potential impacts and opportunities for enhancement related to these Areas of Interest are documented and assessed through a review of background material, technical study, field assessment and detailed evaluation, as appropriate.

Selection of Alternatives

Staff recommends that the preferred alternative meets the policies of section 7 of The Living City Policies for Planning and Development in the Watersheds of the Toronto and Region Conservation Authority. Furthermore, staff recommends that the preferred alternative allows the detailed design to meet the policies of section 8 of The Living City Policies for Planning and Development in the Watersheds of the Toronto and Region Conservation Authority.

TRCA staff recommends that a summary of detailed design commitments be included in the EA as a Pre-design Brief. This summary should include, but not be limited to:

- a. An aerial photo indicating the study area, regulated area, existing conditions and preferred solution/design;
- b. Text indicating the preferred alternative solution/design;
- c. A Reference list of alternative solutions and designs considered;
- d. A synopsis of all TRCA requirements and technical commitments.

It is intended that the proponent and their consultants, as well as TRCA, would use the Pre-design Brief during the preliminary stages of detailed design. In the Pre-design Brief, commitments made during the EA would be clearly articulated in order to facilitate a 90 % detailed design submission to TRCA for all required permits. TRCA staff would then be able to review the required studies, reports or plans; and confirm any additional study requirements or revisions to the submitted materials. Ideally, the completion of the Pre-Design Brief will result in a more timely and streamlined permit approval process in the future.

TRCA Review

Prior to selecting the preferred alternative solution and design, please arrange a meeting to discuss issues that relate to TRCA Areas of Interest. In addition, please add TRCA's Watershed Specialist Gary Bowen to the project mailing list to receive any public information updates.

Please provide the following submissions to expedite TRCA review:

- Notices of public meetings and display material and handouts
- Background reports/information
- Four hard copies of the Draft EA Document
- One hard copy of the Final EA Document.

Please include a digital copy of all submitted material. Materials must be submitted in PDF format, with drawings pre-scaled to print on 11"x17" pages. Materials may be submitted on discs, via e-mail (if less than 2.5 MB), or through file transfer protocol (FTP) sites (if posted for a minimum of two weeks).

Fees and Data

Please be advised that the Authority adopted a new fee schedule in May 2014 and the fee for reviewing this Category B project is **\$9,345**. In addition, staff has digital data available that should be used in the selection of the preferred alternative. Upon receipt of the Environmental Assessment review fee, staff will forward the relevant background information and data.

TRCA has been experiencing significant increase in growth area planning and infrastructure implementation review across Durham Region and our jurisdiction. All municipalities that are moving forward with major growth related Environmental Assessments are required to provide support to TRCA for technical review and coordination either through a negotiated service agreement or fee based review. Staff would be glad to discuss further with senior staff.

Should you have any questions, to setup a meeting or a site visit, please contact me at extension 5717 or at slingertal@trca.on.ca.

Yours truly,



Sharon Lingertal
Senior Planner, Environmental Assessment Planning
Planning and Development

Encl.: TRCA Areas of Interest Summary Table

BY E-MAIL

cc: Veridian: Craig Smith (csmith@veridian.on.ca)
TRCA: Beth Williston, Associate Director, Environmental Assessment Planning
Gary Bowen, Dullins/Carruthers Watershed Specialist

TRCA AREAS OF INTEREST

EA Requirements

Document and assess the status, potential impacts and opportunities for enhancement that relate to the following Areas of Interest through a review of background material, technical study, field assessment and detailed evaluation, as appropriate. Make reference to the applicable Program and Policy documents. Include in the EA Document appendices any minutes, structure summary sheets for watercourses or wetlands, or other material collected through meetings with TRCA staff. Natural features may need to be confirmed on site by TRCA staff.

Area of Interest / Data Availability	Program and Policy Concerns
TRCA REGULATED AREAS	
Regulation Limit	<p>In accordance with Ontario Regulation 166/06 (Development, Interference with Wetlands and Alterations to Shorelines and Watercourses), a permit is required from the TRCA prior to any development (e.g. construction) if, in the opinion of TRCA, the control of flooding, erosion, dynamic beaches or pollution or the conservation of land may be affected. The Regulation Limit defines the greater of the natural hazards associated with Ontario Regulation 166/06 (listed below).</p> <p>NOTE: The Regulation Limit provides a geographical screening tool for determining if Ontario Regulation 166/06 will apply to a given proposal. Through site assessment or other investigation, it may be determined that areas outside of the defined Regulation Limit require permits under Ontario Regulation 166/06. In these instances, it is the text of the regulation that will prevail; modifications to the regulation line may be required.</p> <p>Any development within the Regulation Limit must comply with the applicable sections of TRCA's <i>Valley and Stream Corridor Management Program</i>.</p>
Crest of Slope	<p>Valley and stream corridors are dynamic systems that provide important natural functions and linkages for the physical, chemical and biological processes of wildlife, watercourses, and other natural features. The Crest of Slope identifies the physical limit of these corridors; however, due to ecological sensitivities, development restrictions typically extend beyond the actual Crest of Slope.</p>
Regulatory Flood Plain	<p>The Regulatory Flood Plain is the approved standard used in a particular watershed to define the limit of the flood plain for regulatory purposes. Within TRCA's jurisdiction, the Regulatory Flood Plain is based on the greater of the regional storm, Hurricane Hazel, and the 100 year flood.</p> <p>Any development or alterations to existing structures within the Regulatory Flood Plain may introduce risk to life or property, and may not be compatible with existing natural features. TRCA's framework for Flood Plain Management is the <i>Valley and Stream Corridor Management Program</i>.</p> <p>TRCA may require a flood study or hydraulic update to confirm that there will be no impacts to the storage or conveyance of flood waters.</p>
Wetlands	<p>Wetlands are sensitive natural habitats that play an important role in numerous physical, chemical and biological processes, including storm water control, natural habitat and water quality improvement. Most wetlands are designated by the Ministry of Natural Resources as Provincially Significant or Locally Significant. Other wetlands have also been identified on a site specific basis by TRCA. All of these are regulated under Ontario Regulation 166/06. TRCA may require an environmental study or site confirmation of wetlands locations.</p>
Watercourses	<p>Typically, watercourses are associated with aquatic species and habitat. Any alteration or interference to a watercourse (e.g. straightening, diverting, realigning, altering baseflow) has the potential to impact fish communities, but may also affect the Regulatory Flood Plain, erosion or other natural channel processes. TRCA may require an environmental study or site confirmation of watercourse locations.</p>

TRCA AREAS OF INTEREST

TRCA PROGRAM AND POLICY AREAS

Note: Additional program and policy information may be available at www.trca.on.ca, or by request.

<p>Aquatic Species and Habitat</p>	<p>TRCA has prepared watershed plans or strategies, as well as watershed-based fisheries management plans for some of its watersheds in partnership with Aurora District MNR. TRCA may require an assessment of the existing aquatic system, together with an evaluation as to how the proposal will meet the objectives articulated in the watershed and watershed-based fisheries management plans, as well as prevent negative impacts to the aquatic system.</p> <p>If requested, TRCA will provide an opinion as to whether the project and its implementation will cause <i>serious harm</i> to fish. If <i>serious harm</i> to fish could result, then works will need to be reviewed and authorized by Fisheries and Oceans Canada (DFO).</p>
<p>Aquifers and Hydrogeological Features</p>	<p>The extraction and discharge of groundwater has the potential to negatively impact surrounding natural features. Even small amounts of groundwater extraction may reduce contributions to groundwater dependent features such as wetlands, springs, or fish spawning habitat. In addition, the discharge of groundwater must be controlled to avoid impacts to watercourses and fish habitat from erosion, sedimentation and water quality concerns.</p> <p>TRCA may require geotechnical or hydrogeological investigations to confirm dewatering and discharge requirements, and to identify appropriate mitigation measures with respect to potential impacts to natural features (i.e., wetlands, watercourses, natural features and aquatic habitat).</p>
<p>Archaeological and Heritage Resources</p>	<p>TRCA watershed strategies include recommendations for the management of archaeological and heritage resources in accordance with Ministry of Culture and Municipal standards. Preserve and protect archaeological resources where possible.</p> <p>TRCA may require a Stage 1, 2, 3, or 4 archaeological assessment to confirm impacts to these resources. Note that an archaeological investigation by TRCA's archaeological staff must precede any disturbance to TRCA property, at the cost of the proponent. Scheduling will be subject to weather, seasonal programs and other field work.</p>
<p>Conservation Land (TRCA Property)</p>	<p>If TRCA property is needed for the implementation of the preferred alternative, permission and approval from TRCA and the Minister of Natural Resources are required. The design must demonstrate that TRCA program and policy objectives are met. Formal approval typically takes 12 to 18 months from the completion of the EA document. As noted above, an archaeological investigation by TRCA's archaeological staff must precede any disturbance to TRCA property.</p> <p>Applicable programs and strategies for works on TRCA property may include: <i>TRCA Strategy for Public Use of Authority Lands</i>, <i>TRCA Greenspace Strategy</i>, <i>Archaeological Resource Management Procedures: Guidelines</i>, master plans for specific conservation lands, watershed strategies, or other programs or policies referenced in this document.</p>
<p>Environmentally Significant Areas</p>	<p>Environmentally Significant Areas have been identified by TRCA based on a set of ecological criteria regarding the function, significance and rarity of the features or species found in the area.</p>
<p>Terrestrial Natural Heritage System Strategy</p>	<p>TRCA has identified the need to improve both the quality and quantity of terrestrial habitat. TRCA's <i>Terrestrial Natural Heritage System Strategy</i> sets measurable targets for attaining a healthier natural system by creating an expanded and targeted land base. It includes strategic directions for stewardship and securement of the land base, a land use policy framework to help achieve the target system, and other implementation mechanisms.</p>
<p>Terrestrial Species and Habitat</p>	<p>The terrestrial system includes landscape features, vegetation communities and flora and fauna species. Terrestrial species and habitat should be assessed based on their conservation status according to sensitivity to disturbance and specialized ecological needs, as well as rarity. TRCA</p>

TRCA AREAS OF INTEREST

	<p>may require a site assessment and terrestrial inventory to confirm impacts to these resources. TRCA's <i>Terrestrial Natural Heritage Strategy</i> may be applicable to any work that impacts terrestrial species and habitat. In addition, relevant legislation (e.g. <i>Migratory Bird Convention Act</i>, <i>Species at Risk Act</i>) should be applied.</p>
<p>PROVINCIAL AND FEDERAL PROGRAM AREAS</p>	
<p>Greenbelt:</p>	<p>The Greenbelt consists of approximately 728,000 hectares of environmentally sensitive land and agricultural land in the Golden Horseshoe. The <i>Greenbelt Plan</i> identifies limits to urbanization to provide permanent protection to the agricultural land base and the ecological features and functions occurring within this landscape. Contact the Ministry of Municipal Affairs and Housing for more details.</p> <p>Alternatives must conform with Section 4.2 of the <i>Greenbelt Plan</i>.</p>

November 23, 2016

CFN 52944

BY E-MAIL ONLY (csmith@veridian.on.ca, Olivera.Radinovic@HydroOne.com)

Craig Smith
Veridian Connections
55 Taunton Road East
Ajax, ON L1T 3V3

Olivera Radinovic
HydroOne
483 Bay Street, 6th Floor, South Tower
Toronto, ON M5G 2P5

Dear Mr. Smith and Ms. Radinovic:

**Re: Response to Update on the Notice of Commencement and Invitation to Public Information Centre Class Environmental Assessment for Minor Transmission Facilities
Seaton Municipal Transformer Station Locations
Frenchmans Bay/Duffins Creek Watersheds; City of Pickering; Durham Region**

Toronto and Region Conservation Authority (TRCA) staff received the Updated Notice of Commencement and Invitation to Public Information Centre (PIC) on October 20, 2016. It is our understanding that Veridian Connections has initiated a Class Environmental Assessment (EA) to evaluate three (3) potential locations for a new 230 kilovolt transformer station which will service anticipated future electrical demand in north Pickering. Veridian is now also working with Hydro One as co-proponents to evaluate connection options to the Hydro One high voltage grid.

TRCA staff has reviewed the site locations and proposed line upgrade information based on the figure provided. Our desktop analysis indicates that there will be impacts to the terrestrial natural heritage system, wetlands and watercourses, depending on the station location. Detailed comments are provided in Appendix A. **It is our recommendation that a meeting or site visit be setup with TRCA staff to further discuss station locations and to further clarify comments. Permits under Ontario Regulation 166/06 may be required depending on the preferred location and resolution of any outstanding items at the EA stage should help expedite requirements at the site planning and design stages.**

In addition, while staff was unable to attend the Public Information Centre (PIC) on November 2, 2016, please forward one copy of any handouts or display materials from this meeting for our files. Finally, please ensure that TRCA staff receives one (1) hard copy and one (1) digital copy of the **draft EA document** for review, prior to filing the final report. The draft EA document should be accompanied by a covering letter that uses the numbering scheme provided in this letter and identifies how these comments have been addressed.

Please contact me at extension 5717 or at slingertat@trca.on.ca to arrange a meeting or to setup a site visit.

Yours truly,

Sharon Lingertat
Senior Planner, Environmental Assessment Planning
Planning and Development

BY E-MAIL

cc: Consultant: Andrew Roberts (Andrew.Roberts@wspgroup.com)
TRCA: Steve Heuchert, Associate Director, Planning and Development
Maryam Nassar, Project Manager, Duffins/Carruthers Watersheds

APPENDIX A – TRCA COMMENTS

#	TRCA COMMENTS (NOVEMBER 23, 2016)	RESPONSE
Natural Heritage System		
1	Please clarify why additional station location options as identified in the Seaton MESP are also not being considered. Our concern is that all three of the stations shown appear to be located within the Natural Heritage System (NHS). Please explain why the station locations were selected and why they cannot be located outside of the NHS.	
2	Evaluation of each transformer location should include identification of the features located within 120 m of the transformer station and line construction. Studies should include the ELC communities to be impacted and possible changes in hydrology (contribution of area to headwater features in the area or wetlands) from construction of the station and line. Woody vegetation removal should be assessed (tree and shrub) as well as impacts to wetlands and watercourses. Please ensure this is included in the EA document.	
3	According to the Seaton MESP and TRCA ELC mapping Site 1 is located within or adjacent to wetlands (MAS, MAM, SWD) and Site 3 is located within the Natural Heritage System (NHS), an area of contiguous vegetation and an Environmentally Sensitive Area. It is the opinion of TRCA staff that the locations of Stations 1 and 3, as well as their line tap and or liner upgrade will cause negative impacts to these features. As such, these locations are generally not supported by TRCA staff. Site 2 is also located within the NHS and therefore it is our recommendation that the station be located outside of the NHS. A meeting is recommended to further discuss and clarify.	
4	Please show the proposed station locations as an overlay on an ortho photo with the above-noted features as it is difficult to determine where exactly the stations are located as it relates to the NHS and existing regulation limits. Our natural features information, including regulation mapping, was provided digitally earlier this year.	
Hydrogeology		
5	With respect to the CTC Source Protection Plan, the preferred location should consider Highly Vulnerable Aquifers (HVA), Significant Groundwater Recharge Areas (SGRA) and Intake Protection Zones. A preliminary examination would suggest that a HVA may be present at Site 1 and a SGRA may be present at Site 2.	
Regulation Limits and Setbacks		
6	Please note that the limits of development are determined by a compilation of the greater of the staked top of bank, long-term stable top of bank, limit of contiguous vegetation, meander belt, Regulatory Floodplain and limits of wetlands, in addition to the requisite buffers. Please ensure the preferred site considers the above to avoid impacts to the NHS and regulated features.	

Correspondence TRCA3

Note: Attachments associated with this correspondence have not been included in this Appendix.



January 27, 2017

Sharon Lingertat
Senior Planner, Environmental Assessment Planning
Planning and Development
Toronto and Region Conservation
(By email only)

**Re: Response to Update on the Notice of Commencement and Invitation to Public Information
Centre Dated November 23, 2016**

Dear Ms. Lingertat,

This letter is in response to the comments provided on November 23, 2016 regarding the Seaton Municipal Transformer Station Class Environmental Assessment. The TRCA questions appear in *italics* and the Project response follows each question.

Natural Heritage System

- 1. Please clarify why additional station location options as identified in the Seaton MESP are also not being considered. Our concern is that all three of the stations shown appear to be located within the Natural Heritage System (NHS). Please explain why the station locations were selected and why they cannot be located outside of the NHS.*

Response:

The planning for potential substation sites first considers technical constraints and constructability requirements. For instance, the potential site should be as close as possible to the demand load it will service to reduce electrical losses and also close to the transmission line that will supply the station. Available access to the site is also considered as well as accessibility to municipal or regional roads to allow for feeders from the substation to be located in those rights-of-way instead of having to construct new feeder rights-of-way. In addition to these requirements, consideration was given to the City of Pickering Master Environmental Servicing Plan (MESP) and the Provincial Policy Statement (PPS), 2014.

The chosen sites are relatively close to the demand load and close to the high-voltage transmission supply required and has road access. The transmission facilities that would be required for each of these three sites would use an existing right-of-way which is consistent with the planning recommendations of the PPS. The MESP produced by the City of Pickering outlined locations for non-municipal utility services, including four potential transformer substation locations. Figure D4.1 from the MESP is enclosed as Attachment 1. The general site locales for the Class EA Study were selected based on the technical factors above, as well as the suggested areas in the MESP. For clarity, the table below shows the concordance between the site nomenclature in the Class EA and the MESP.

Class EA Site	MESP Site
1 (Brock TS)	3
2 (SL 22 TS)	2
3 (CWTS)	4

Site 1 is consistent with MESP Site 3, which also indicated the potential station site within the natural heritage system. Site 2, is generally consistent with MESP site 2. However it was moved from the south side to the north side of Taunton in response to archaeological concerns, which were identified by the authors of the MESP. This area was shown within the natural heritage system in the MESP. The site identified as site 1 in the MESP was dropped from consideration, due to the proximity to planned urban development and no reasonable method for Veridian to acquire the site. Site 3, MESP site 4 was shown within the existing Hydro One Cherrywood facility in the MESP. This location was shifted to the east of Dixie road on the advice of Hydro One as there is no available room in the existing facility.

2. *Evaluation of each transformer location should include identification of the features located within 120 m of the transformer station and line construction. Studies should include the ELC communities to be impacted and possible changes in hydrology (contribution of area to headwater features in the area or wetlands) from construction of the station and line. Woody vegetation removal should be assessed (tree and shrub) as well as impacts to wetlands and watercourses. Please ensure this is included in the EA document.*

Response:

ELC evaluation of the three potential station sites has been completed as part of the Study. Please see the attached figures showing the natural heritage features (Attachments 2-4), and ELC mapping (Attachments 5-7) for the three Sites. Natural heritage feature mapping for the associated transmission line segments is shown in Attachments 8-10. In addition to potential impacts and interactions with other environmental features (including but not limited to planned land use, heritage resources and technical constraints etc.) potential impacts from construction of the station and line to features including vegetation, wetlands and watercourses will be used in the evaluation of each site. The site with the best overall score will be selected when considering a number of factors as per the requirements in the Class EA. The Class EA will include a discussion of the alternatives, proposed mitigation and predicted net effects.

3. *According to the Seaton MESP and TRCA ELC mapping Site 1 is located within or adjacent to wetlands (MAS, MAM, SWD) and Site 3 is located within the Natural Heritage System (NHS), an area of contiguous vegetation and an Environmentally Sensitive Area. It is the opinion of TRCA staff that the locations of Stations 1 and 3, as well as their line tap and or liner upgrade will cause negative impacts to these features. As such, these locations are generally not supported by TRCA staff. Site 2 is also located within the NHS and therefore it is our recommendation that the station be located outside of the NHS. A meeting is recommended to further discuss and clarify.*

Response:

The presence or proximity to natural features including wetlands, ESAs and contiguous vegetation will be used to evaluate each potential site location, as well as the condition and current land use of the site. The Project has noted your comments on Sites 1 and 3 and it will be taken into consideration during site evaluation. We would be pleased to meet with you to discuss the Project.

4. *Please show the proposed station locations as an overlay on an ortho photo with the above-noted features as it is difficult to determine where exactly the stations are located as it relates to the NHS and existing regulation limits. Our natural features information, including regulation mapping, was provided digitally earlier this year.*

Response:

Mapping has been provided as attachments for natural heritage features and ELC for discussion. We will provide overlays of the TRCA regulation limits prior to meeting.

Hydrogeology

5. *With respect to the CTC Source Protection Plan, the preferred location should consider Highly Vulnerable Aquifers (HVA), Significant Groundwater Recharge Areas (SGRA) and Intake Protection Zones. A preliminary examination would suggest that a HVA may be present at Site 1 and a SGRA may be present at Site 2.*

Response:

These features will be assessed as part of the evaluation criteria for the station sites. Veridian requests information and mapping from TRCA for SRGA and HVA zones in order to perform the evaluation.

Regulation Limits and Setbacks

6. *Please note that the limits of development are determined by a compilation of the greater of the staked top of bank, long-term stable top of bank, limit of contiguous vegetation, meander belt, Regulatory Floodplain and limits of wetlands, in addition to the requisite buffers. Please ensure the preferred site considers the above to avoid impacts to the NHS and regulated features.*

Response:

We have received the regulation mapping from TRCA, and will consider this in addition to the points above in the evaluation of the sites.

We look forward to meeting with you to discuss the Project. Should you have any additional questions, or would like additional information regarding this Project, please contact:

Andrew Roberts, Project Manager, Consultant, Veridian Connections

WSP Canada Inc.

100 Commerce Valley Drive West

Thornhill, Ontario L3T 0A7 Canada

T +1 905-882-4211 #6152

F +1 905-882-0055

C +1 647-821-2734

Andrew.Roberts@wspgroup.com.

Yours truly,
Veridian Connections

Hydro One Networks Inc.

A handwritten signature in black ink on a light gray rectangular background. The signature appears to read "Craig Smith".A handwritten signature in blue ink. The signature is stylized and appears to read "Brian McCormick".

Craig Smith, P.Eng.
Project Manager Veridian Connections

Brian McCormick
Manager, Environmental Engineering and Project
Support

Enclosures:

Attachment 1: MESP Plan.

Attachment 2: Site 1 Natural Heritage Features

Attachment 3: Site 2 Natural Heritage Features

Attachment 4: Site 3 Natural Heritage Features

Attachment 5: Site 1 ELC

Attachment 6: Site 2 ELC

Attachment 7: Site 3 ELC

Attachment 8: Site 1 Transmission Line Natural Heritage Features

Attachment 9: Site 2 Transmission Line Natural Heritage Features

Attachment 10: Site 3 Transmission Line Natural Heritage Features

Cc: Andrew Roberts, Project Manager, Consultant, Veridian Connections
Olivera Radinovic, EA Coordinator, Environmental Engineering and Project Support, Hydro One

February 10, 2017

CFN 52944

BY E-MAIL ONLY (csmith@veridian.on.ca, Olivera.Radinovic@HydroOne.com)

Craig Smith
Veridian Connections
55 Taunton Road East
Ajax, ON L1T 3V3

Olivera Radinovic
HydroOne
483 Bay Street, 6th Floor, South Tower
Toronto, ON M5G 2P5

Dear Mr. Smith and Ms. Radinovic:

**Re: Seaton Municipal Transformer Station Locations and Line Upgrades
Class Environmental Assessment for Minor Transmission Facilities
Frenchmans Bay/Duffins Creek Watersheds; City of Pickering; Durham Region**

Toronto and Region Conservation Authority (TRCA) staff received a response to our comments on the three (3) potential transformer location sites and line upgrades on January 27, 2017. We also attended a meeting on February 7, 2017 with Veridian, HydroOne and WSP staff to further discuss. It is our understanding that Veridian Connections has initiated a Class Environmental Assessment (EA) to evaluate potential locations for a new 230 kilovolt transformer station which will service anticipated future electrical demand in north Pickering. Veridian is now also working with HydroOne as co-proponents to evaluate connection options to the HydroOne high voltage grid.

Staff appreciates that the sites have been provided as an overlay. Comments related to the above-noted information are provided in Appendix A. In addition, suggested potential plantings and green technologies are provided in Appendix B for information purposes.

As discussed at our meeting, please ensure we are provided an opportunity to review the draft EA prior to filing the final report for public review. Permits under Ontario Regulation 166/06 may be required depending on the preferred location.

Please contact me at extension 5717 or at slingertat@trca.on.ca should you have any questions.

Yours truly,



Sharon Lingertat
Senior Planner, Environmental Assessment Planning
Planning and Development

BY E-MAIL

cc: Consultant: Andrew Roberts (Andrew.Roberts@wspgroup.com)

APPENDIX A – TRCA COMMENTS

#	TRCA COMMENTS (NOVEMBER 23, 2016)	RESPONSE	TRCA COMMENTS (FEBRUARY 10, 2017)								
Natural Heritage System											
1	Please clarify why additional station location options as identified in the Seaton MESP are also not being considered. Our concern is that all three of the stations shown appear to be located within the Natural Heritage System (NHS). Please explain why the station locations were selected and why they cannot be located outside of the NHS.	<p>The planning for potential substation sites first considers technical constraints and constructability requirements. For instance, the potential site should be as close as possible to the demand load it will service to reduce electrical losses and also close to the transmission line that will supply the station. Available access to the site is also considered as well as accessibility to municipal or regional roads to allow for feeders from the substation to be located in those rights-of-way instead of having to construct new feeder rights-of-way. In addition to these requirements, consideration was given to the City of Pickering Master Environmental Servicing Plan (MESP) and the Provincial Policy Statement (PPS), 2014.</p> <p>The chosen sites are relatively close to the demand load and close to the high-voltage transmission supply required and has road access. The transmission facilities that would be required for each of these three sites would use an existing right-of-way which is consistent with the planning recommendations of the PPS. The MESP produced by the City of Pickering outlined locations for non-municipal utility services, including four potential transformer substation locations. Figure D4.1 from the MESP is enclosed as Attachment 1. The general site locales for the Class EA Study were selected based on the technical factors above, as well as the suggested areas in the MESP. For clarity, the table below shows the concordance between the site nomenclature in the Class EA and the MESP.</p> <table border="1"> <thead> <tr> <th>Class EA Site</th> <th>MESP Site</th> </tr> </thead> <tbody> <tr> <td>1 (Brock TS)</td> <td>3</td> </tr> <tr> <td>2 (SL 22 TS)</td> <td>2</td> </tr> <tr> <td>3 (CWTS)</td> <td>4</td> </tr> </tbody> </table> <p>Site 1 is consistent with MESP Site 3, which also indicated the potential station site within the natural heritage system. Site 2, is generally consistent with MESP site 2. However it was moved from the south side to the north side of Taunton in response to archaeological concerns, which were identified by the authors of the MESP. This area was shown within the natural heritage system in the MESP. The site identified as site 1 in the MESP was</p>	Class EA Site	MESP Site	1 (Brock TS)	3	2 (SL 22 TS)	2	3 (CWTS)	4	<p>Please note that TRCA staff did not agree to the locations suggested in the MESP in figure D4.1 and at the time of review requested additional station locations be explored outside of the NHS. It is our understanding that through this EA process that some of the locations identified in the MESP have changed. As a result, the EA should address the following:</p> <p>a) Please explore moving Option #2 (Sideline 22) south of Taunton as was originally proposed in the MESP and as discussed during our meeting of February 7, 2017. This area has been disturbed and may be a viable option. Please contact Durham Region for as-builds. If this is not feasible please clearly explain in the EA why it is not possible to construct the station at this site. Rationale behind the preferred solution should be provided in the EA for all options to provide a clear understanding of the decision making process.</p> <p>b) Please explore relocating the line tap area for Option #2 so as to avoid features identified on mapping on the east side of the proposed site. If this is not a viable option please explain why it will not be feasible.</p>
Class EA Site	MESP Site										
1 (Brock TS)	3										
2 (SL 22 TS)	2										
3 (CWTS)	4										

#	TRCA COMMENTS (NOVEMBER 23, 2016)	RESPONSE	TRCA COMMENTS (FEBRUARY 10, 2017)
		dropped from consideration, due to the proximity to planned urban development and no reasonable method for Veridian to acquire the site. Site 3, MESP site 4 was shown within the existing Hydro One Cherrywood facility in the MESP. This location was shifted to the east of Dixie road on the advice of Hydro One as there is no available room in the existing facility. 2.	
2	Evaluation of each transformer location should include identification of the features located within 120 m of the transformer station and line construction. Studies should include the ELC communities to be impacted and possible changes in hydrology (contribution of area to headwater features in the area or wetlands) from construction of the station and line. Woody vegetation removal should be assessed (tree and shrub) as well as impacts to wetlands and watercourses. Please ensure this is included in the EA document.	ELC evaluation of the three potential station sites has been completed as part of the Study. Please see the attached figures showing the natural heritage features (Attachments 2-4), and ELC mapping (Attachments 5- 7) for the three Sites. Natural heritage feature mapping for the associated transmission line segments is shown in Attachments 8-10. In addition to potential impacts and interactions with other environmental features (including but not limited to planned land use, heritage resources and technical constraints etc.) potential impacts from construction of the station and line to features including vegetation, wetlands and watercourses will be used in the evaluation of each site. The site with the best overall score will be selected when considering a number of factors as per the requirements in the Class EA. The Class EA will include a discussion of the alternatives, proposed mitigation and predicted net effects.	<p>a) Mapping provided shows the general location of natural features. Once a site is selected TRCA staff will want to stake features on and adjacent to the proposed development. Appropriate buffers will be applied to the development from the staked features.</p> <p>b) Please add data regarding wetlands and headwater features along the proposed line upgrade. At the design stage, access routes to proposed line upgrades should be shown as well as mitigation for access. For example, mitigation could include crossing headwater features during frozen conditions, crossing in August when water levels may be lower or avoiding crossings by accessing from development sites. The digital data will be provided under separate cover.</p> <p>c) Wetlands are located on and adjacent to site #2. Please include a section in the EA discussing Low Impact Development (LID) measures/green infrastructure, buffers, plantings etc. that may mitigate for site disturbance and impervious areas. For example, permeable pavers could be used for parking and the gravel yard could be terraseeded with a native low growing seed mix to mitigate against thermal impacts. Green roof and infiltration galleries could also be considered (please refer to the attached Appendix B for further information).</p> <p>Please note that TRCA staff previously worked with HydroOne at the Mount Pleasant Road site (just north of Rosedale Valley Road) where green infrastructure was implemented (green roof, soak away pits) in the City of Toronto. The contact for this project was Dima Ostrovsky.</p> <p>d) If natural features will be impacted please identify and</p>

#	TRCA COMMENTS (NOVEMBER 23, 2016)	RESPONSE	TRCA COMMENTS (FEBRUARY 10, 2017)
			discuss possible compensation in the EA report.
3	According to the Seaton MESP and TRCA ELC mapping Site 1 is located within or adjacent to wetlands (MAS, MAM, SWD) and Site 3 is located within the Natural Heritage System (NHS), an area of contiguous vegetation and an Environmentally Sensitive Area. It is the opinion of TRCA staff that the locations of Stations 1 and 3, as well as their line tap and or liner upgrade will cause negative impacts to these features. As such, these locations are generally not supported by TRCA staff. Site 2 is also located within the NHS and therefore it is our recommendation that the station be located outside of the NHS. A meeting is recommended to further discuss and clarify.	The presence or proximity to natural features including wetlands, ESAs and contiguous vegetation will be used to evaluate each potential site location, as well as the condition and current land use of the site. The Project has noted your comments on Sites 1 and 3 and it will be taken into consideration during site evaluation. We would be pleased to meet with you to discuss the Project.	No further comment at this time.
4	Please show the proposed station locations as an overlay on an ortho photo with the above-noted features as it is difficult to determine where exactly the stations are located as it relates to the NHS and existing regulation limits. Our natural features information, including regulation mapping, was provided digitally earlier this year.	Mapping has been provided as attachments for natural heritage features and ELC for discussion. We will provide overlays of the TRCA regulation limits prior to meeting.	Please note that not all features have been mapped and not all will show up on our regulation mapping. The text of our regulation prevails over our mapping. As such, while an overlay of the regulation mapping will help, some features may not be entirely captured within those limits. Confirmation of the features typically needs to take place on site.
Hydrogeology			
5	With respect to the CTC Source Protection Plan, the preferred location should consider Highly Vulnerable Aquifers (HVA), Significant Groundwater Recharge Areas (SGRA) and Intake Protection Zones. A preliminary examination would suggest that a HVA may be present at Site 1 and a SGRA may be present at Site 2.	These features will be assessed as part of the evaluation criteria for the station sites. Veridian requests information and mapping from TRCA for SRGA and HVA zones in order to perform the evaluation.	As noted in comment 2, data has been requested from our GIS department and will be provided under separate cover.
Regulation Limits and Setbacks			
6	Please note that the limits of development are determined by a compilation of the greater of the staked top of bank, long-term stable top of bank, limit of contiguous vegetation, meander belt, Regulatory Floodplain and limits of wetlands, in addition to the requisite buffers. Please ensure the preferred site considers the above to avoid impacts to the NHS and regulated features.	We have received the regulation mapping from TRCA, and will consider this in addition to the points above in the evaluation of the sites.	Refer to comment #4 above.

APPENDIX B

Suggested Plantings and References

Please find below a list of references for native plants from TRCA and other Conservation Authorities that provide some pictures and descriptions to assist with the enhancement of the planting plan:



- <https://npca.ca/sites/default/files/NPCAPlantGuide.pdf>
- <http://www.creditvalleyca.ca/wp-content/uploads/2015/05/21310-breeding-birds.pdf>
- http://www.creditvalleyca.ca/wp-content/uploads/2015/11/Woodland-Plants_Landscaping-WEB.pdf
- <http://trca.on.ca/dotAsset/58627.pdf>




Native Trees




Canada Yew (*Taxus Canadensis*), yellow birch (*Betula alleghaniensis*), white pine (*pinus strobus*), white cedar (*Thuja occidentalis*), silver maple (*Acer saccharinum*), paper birch (*Betula papyrifera*), bitternut hickory (*Carya cordiformis*), American beech (*Fagus grandifolia*), Downy serviceberry (*Amelanchier arborea*), Pin cherry (*Prunus pensylvanica*), Alleghanny serviceberry (*Amelanchier laevis*), Chokecherry (*Prunus virginiana*), Black Cherry (*Prunus serotina*).


Hardy shrubs (*Cornus foemina* spp *Racemosa*), Red dogwood(*Cornus stolonifera*), Common Ninebark (*Physocarpus opulifolius*), Nannyberry (*Viburnum lentago*), Common Elderberry (*Sambucus canadensis*), Hackberry (*Celtis occidentalis*), and staghorn sumac (*Rhus typhina*).

Sustainable Technologies for Consideration

#	Primary/ Secondary Target Resources for Sustainable Uses	Example of Existing Sustainable Technologies	Attain Multiple Sustainable Objectives
1.	<p>Primary Target: Water Management</p> <p>Secondary Targets: Energy Management, Biodiversity, Community Benefits, etc.</p>	<p>Green Rooftops: Green roof coverts rooftops into a living and diverse plant community. It improves biodiversity; mitigate excessive urban temperatures and stormwater runoff. The insulating effect of a green roof can significantly reduce both air conditioning and heating costs inside the building.</p> 	<p>Water Conservation</p> <p>Energy Conservation</p> <p>Improve Biodiversity</p> <p>Improve Community Benefits/Education</p>
2.		<p>Soakaways, Infiltration Trenches and Chambers: Man-made depressions, engineered to hold back surface water and let it infiltrate into the soil, thus reducing the volume of runoff. Basins are landscaped to create structures that appear natural and offer an amenity value for the local community.</p> 	<p>Water Conservation</p> <p>Energy Conservation</p> <p>Enhance Biodiversity</p> <p>Enhance Community Benefits/Education</p>
3.		<p>Bioretention: Bioretention swales provide both <u>stormwater</u> treatment and conveyance functions. The</p>	<p>Water Conservation</p>

#	Primary/ Secondary Target Resources for Sustainable Uses	Example of Existing Sustainable Technologies	Attain Multiple Sustainable Objectives
		<p>swale component provides pre-treatment of stormwater to remove coarse to medium sediments while the bioretention system removes finer particulates and associated contaminants.</p> 	<p>Energy Conservation</p> <p>Enhance Biodiversity</p> <p>Enhance Community Benefits/ Education</p>
4.		<p>Naturalized stormwater pond:</p> 	<p>Water Conservation</p> <p>Energy Conservation</p> <p>Enhance Biodiversity</p> <p>Enhance Community Benefits/ Education</p>
5.		<p>Bioswales: Bioswales are linear, vegetated channels which allow for the collection, transport, filtration and absorption of stormwater. Bioswales typically take stormwater runoff from nearby paved surfaces and hold the water long enough to allow it to slowly soak into the deep soil and possible rock drainage layer.</p> 	<p>Water Conservation</p> <p>Energy Conservation</p> <p>Enhance Biodiversity</p> <p>Community Benefits/ Education</p>
6.		<p>Permeable Pavement: A type of hard surfacing that allows rainfall to percolate through to underlying soil substrate or be removed by a subsurface drain. Permeable paving can replace conventional asphalt and concrete for sidewalks, driveways, parking areas and road surfaces.</p>	<p>Water Conservation</p> <p>Energy Conservation</p> <p>Enhance Biodiversity</p>

#	Primary/ Secondary Target Resources for Sustainable Uses	Example of Existing Sustainable Technologies	Attain Multiple Sustainable Objectives
			Enhance Community Benefits/ Education
7.	<p>Primary Targets: Energy Management, Community Benefits, etc.</p> <p>Secondary Targets: Water Management, Biodiversity, Community Benefits, etc.</p>	<p>Green /Cool Roof:</p> 	Water Conservation Energy Conservation Enhance Biodiversity Enhance Community Benefits/ Education
8.		<p>Green architecture with cross-ventilation:</p> 	Water Conservation Energy Conservation Enhance Biodiversity Enhance Community Benefits/ Education
9.		<p>Using sustainable construction materials: Integrating biodegradable (such as paints without volatile organic compounds), recycled and sustainable materials in building construction enhance conservation of natural resources.</p>	Water Conservation Energy Conservation Enhance Biodiversity Enhance Community Benefits/ Education
10.		Green Infrastructure practices contribute to energy conservation initiatives by insulating buildings, shading building envelopes and/or ameliorating the	Water Conservation

#	Primary/ Secondary Target Resources for Sustainable Uses	Example of Existing Sustainable Technologies	Attain Multiple Sustainable Objectives
		<p>urban heat island effect. In addition to the direct energy saving benefits, they can also be built as a complement to sustainable energy generation practices. For example, the buildings below include solar arrays installed on a green roof.</p>  <p>The Chicago Center for Green Technology is a showcase for many green stormwater infrastructure strategies.</p>	<p>Energy Conservation</p> <p>Enhance Biodiversity</p> <p>Enhance Community Benefits/ Education</p>



February 27, 2017

Sharon Lingertat
Senior Planner, Environmental Assessment Planning
Planning and Development
Toronto and Region Conservation
(By email only)

Re: Response to Comments on Seaton Municipal Transformer Station Locations and Line Upgrades Class Environmental Assessment for Minor Transmission Facilities Frenchmans Bay/Duffins Creek Watersheds; City of Pickering; Durham Region

Dear Ms. Lingertat,

Thank you for attending the meeting on January 27, 2016 and your letter of February 10, 2017. This letter is in response to your comments regarding the Seaton Municipal Transformer Station Class Environmental Assessment. The TRCA comments appear in *italics* and the Project response follows.

Natural Heritage System

1. *Please note that TRCA staff did not agree to the locations suggested in the MESP in figure D4.1 and at the time of review requested additional station locations be explored outside of the NHS. It is our understanding that through this EA process that some of the locations identified in the MESP have changed. As a result, the EA should address the following:*
 - a. *Please explore moving Option #2 (Sideline 22) south of Taunton as was originally proposed in the MESP and as discussed during our meeting of February 7, 2017. This area has been disturbed and may be a viable option. Please contact Durham Region for as-builds. If this is not feasible please clearly explain in the EA why it is not possible to construct the station at this site. Rationale behind the preferred solution should be provided in the EA for all options to provide a clear understanding of the decision making process.*

Response:

The Project Team explored moving Site Option #2 (Sideline 22) south of Taunton Road as part of the site selection process for the EA. Please refer to the Attached figure “Seaton MTS Constraints in Vicinity of Preferred Site.” It should be noted that the site identified in the MESP (immediately to the east of the reservoir site) encroaches on a significant woodlot, and contains an identified archaeological site. On this basis, the site was removed from further consideration. An alternative area north-west of the MESP site and south of Taunton Road was explored, noted as “Disturbed Land” in the attached figure. The size of this site and the presence of easements for reservoir piping and a petroleum pipeline make this area too small to accommodate the transformer station site, and thus the area was determined not to be technically feasible.

- b. *Please explore relocating the line tap area for Option #2 so as to avoid features identified on mapping on the east side of the proposed site. If this is not a viable option please explain why it will not be feasible.*

Response:

The Project Team reviewed the line tap connection presented at the January 27, 2017 meeting. It was determined that the station and line tap configuration could be changed to avoid the wetland features mapped on the east side of the proposed site. The line tap configuration has been changed as shown in the attached figure.

- b. *Mapping provided shows the general location of natural features. Once a site is selected TRCA staff will want to stake features on and adjacent to the proposed development. Appropriate buffers will be applied to the development from the staked features.*

Response:

The Project Team will coordinate with TRCA for a site visit and feature staking when the site has been selected and confirmed through the EA process. The Project Team understands that an authorization under O.Reg. 166/06 may be required, and it is expected that this would be addressed during the design phase of the Project.

- b. *Please add data regarding wetlands and headwater features along the proposed line upgrade. At the design stage, access routes to proposed line upgrades should be shown as well as mitigation for access. For example, mitigation could include crossing headwater features during frozen conditions, crossing in August when water levels may be lower or avoiding crossings by accessing from development sites. The digital data will be provided under separate cover.*

Response:

The wetlands and headwater features will be added along the proposed line upgrade route for the Environmental Study Report. A range of mitigation measures, including those suggested by TRCA will be considered and addressed in the Environmental Study Report. These will be confirmed with consultation with TRCA in the design phase of the Project.

- c. *Wetlands are located on and adjacent to site #2. Please include a section in the EA discussing Low Impact Development (LID) measures/green infrastructure, buffers, plantings etc. that may mitigate for site disturbance and impervious areas. For example, permeable pavers could be used for parking and the gravel yard could be terraseeded with a native low growing seed mix to mitigate against thermal impacts. Green roof and infiltration galleries could also be considered (please refer to the attached Appendix B for further information). Please note that TRCA staff previously worked with HydroOne at the Mount Pleasant Road site (just north of Rosedale Valley Road) where green infrastructure was implemented (green roof, soak away pits) in the City of Toronto. The contact for this project was Dima Ostrovsky.*

Response:

The Project Team thanks TRCA for the LID measures provided. These methods will be reviewed and considered where appropriate as mitigation in the Environmental Study Report.

d. If natural features will be impacted please identify and discuss possible compensation in the EA report.

Response:

Natural Features within the vicinity of the preferred site (Sideline 22) that may be affected will be identified, and possible mitigation (e.g., biodiversity offsets) discussed in the Environmental Study Report.

4. Please note that not all features have been mapped and not all will show up on our regulation mapping. The text of our regulation prevails over our mapping. As such, while an overlay of the regulation mapping will help, some features may not be entirely captured within those limits. Confirmation of the features typically needs to take place on site.

Response:

The Project Team understands that features will be more fully defined once a site visit and staking has been completed.

Hydrogeology

5. As noted in comment 2, data has been requested from our GIS department and will be provided under separate cover.

Response:

The GIS information has been received and the data have been used to refine the scoring and evaluation of the station sites and associated line improvements.

Regulation Limits and Setbacks

6. Refer to comment #4 above.

Response:

No further comment at this time.

The Project Team thanks you for your comments. Should you have any additional questions, or would like additional information regarding this Project, please contact:

Andrew Roberts, Project Manager, Consultant, Veridian Connections

WSP Canada Inc.

100 Commerce Valley Drive West

Thornhill, Ontario L3T 0A7 Canada

T +1 905-882-4211 #6152

F +1 905-882-0055

C +1 647-821-2734

Andrew.Roberts@wspgroup.com.

Yours truly,
Veridian Connections

Hydro One Networks Inc.

A handwritten signature in black ink, appearing to read "Craig Smith", is displayed within a light gray rectangular box.A handwritten signature in blue ink, appearing to read "Brian McCormick", is displayed.

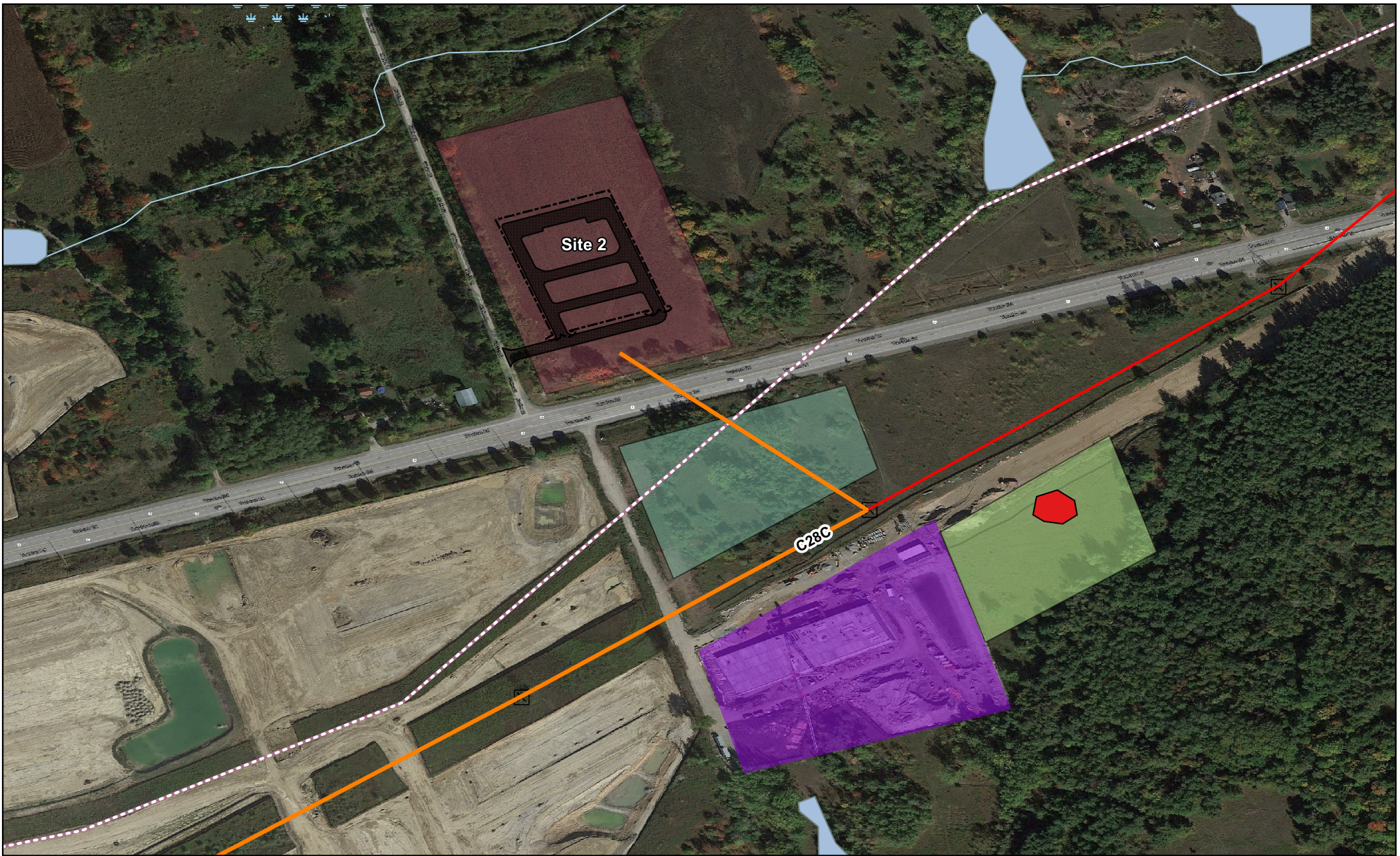
Craig Smith, P.Eng.
Project Manager Veridian Connections

Brian McCormick
Manager, Environmental Engineering and Project
Support

Enclosures:

Attachment 1: Seaton MTS Constraints in Vicinity of Preferred Site

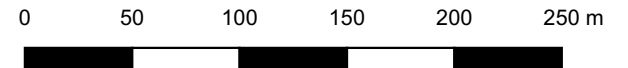
Cc: Andrew Roberts, Project Manager, Consultant, Veridian Connections
Olivera Radinovic, EA Coordinator, Environmental Engineering and Project Support, Hydro One



Legend

- Preferred MTS Site
- Disturbed Land
- Original Location of Site 2 (MESP)
- Known Archaeological Site
- Reservoir Site
- Transmission Line Upgrade
- Oil Pipeline
- Preliminary Site Layout
- Access Road

- Station Fence
- Existing Transmission Line
- 230 kV



**Seaton MTS
Constraints in Vicinity of Preferred Site**

December 11, 2017

CFN 52944

BY E-MAIL ONLY (csmith@veridian.on.ca, Olivera.Radinovic@HydroOne.com)

Craig Smith
Veridian Connections
55 Taunton Road East
Ajax, ON L1T 3V3

Olivera Radinovic
HydroOne
483 Bay Street, 6th Floor, South Tower
Toronto, ON M5G 2P5

Dear Mr. Smith and Ms. Radinovic:

**Re: Seaton Municipal Transformer Station Project
Class Environmental Assessment – Draft Environmental Study Report (2017)
Frenchmans Bay/Duffins Creek Watersheds; City of Pickering; Durham Region**

Toronto and Region Conservation Authority (TRCA) staff received a response to our comments on October 24, 2017, the Notice of Completion on November 16, 2017 and the Draft Environmental Study Report (2017) on November 27, 2017.

It is our understanding that Veridian Connections and Hydro One Networks Inc. are working as co-proponents on a new Municipal Transformer Station (MTS) and associated Hydro One transmission connection upgrades to service the proposed Seaton community. The proposed works include constructing a new 230 kV/27.6 kV MTS, connecting the new MTS to Hydro One's existing 230 kV line and upgrading Hydro One's single circuit transmission line of approximately 1 km in length to a double circuit transmission line.

Three (3) sites for the MTS were considered in the draft ESR. The preferred option is Site #2 which is located on the northeast corner of Taunton Road and Sideline 22. The site is approximately 3.8 ha in size. A line tap will be required to connect the proposed station on the north side of Taunton Road to the existing transmission corridor located south of Taunton Road. TRCA staff appreciates the efforts made to relocate the line tap to avoid impacts to the wetland on the east side of the lot as well as efforts to move the proposed tower on the south side of Taunton Road further west into the cleared opening to avoid further tree removals.

Staff has reviewed the report and has no objection in principle to the preferred alternative. Notwithstanding, in reviewing the EA document staff has a number of comments related to the site plan and detail design stages that will need to be addressed in the future. These are enclosed as Appendix A.

As noted in the report, permits in accordance with Ontario Regulation 166/06 are required from TRCA prior to project construction. Please contact me at extension 5717 or at slingertat@trca.on.ca should you have any questions.

Yours truly,

Sharon Lingertat
Senior Planner, Environmental Assessment Planning
Planning and Development

BY E-MAIL

cc: Consultant: Andrew Roberts (Andrew.Roberts@wspgroup.com)
TRCA: Maryam Nassar, Duffins/Carruthers Watershed Project Manager
Steve Heuchert, Associate Director, Development Planning and Regulation

APPENDIX A – TRCA COMMENTS

#	TRCA COMMENTS (NOVEMBER 23, 2016)	HYDRO ONE/VERIDIAN RESPONSE (JANUARY 2017)	TRCA COMMENTS (FEBRUARY 10, 2017)	HYDRO ONE/VERIDIAN RESPONSE (FEBRUARY 27, 2017)	TRCA COMMENTS (JULY 12, 2017)	HYDRO ONE/VERIDIAN RESPONSE (OCTOBER 24, 2017)	TRCA COMMENTS (DECEMBER 11, 2017)								
		Natural Heritage System													
1	<p>Please clarify why additional station location options as identified in the Seaton MESP are also not being considered. Our concern is that all three of the stations shown appear to be located within the Natural Heritage System (NHS). Please explain why the station locations were selected and why they cannot be located outside of the NHS.</p>	<p>The planning for potential substation sites first considers technical constraints and constructability requirements. For instance, the potential site should be as close as possible to the demand load it will service to reduce electrical losses and also close to the transmission line that will supply the station. Available access to the site is also considered as well as accessibility to municipal or regional roads to allow for feeders from the substation to be located in those rights-of-way instead of having to construct new feeder rights-of-way. In addition to these requirements, consideration was given to the City of Pickering Master Environmental Servicing Plan (MESP) and the Provincial Policy Statement (PPS), 2014.</p> <p>The chosen sites are relatively close to the demand load and close to the high-voltage transmission supply required and has road access. The transmission facilities that would be required for each of these three sites would use an existing right-of-way which is consistent with the planning recommendations of the PPS. The MESP produced by the City of Pickering outlined locations for non-municipal utility services, including four potential transformer substation locations. Figure D4.1 from the MESP is enclosed as Attachment 1. The general site locales for the Class EA Study were selected based on the technical factors above, as well as the suggested areas in the MESP. For clarity, the table below shows the concordance between the site nomenclature in the Class EA and the MESP.</p> <table border="1"> <thead> <tr> <th>Class EA Site</th> <th>MESP Site</th> </tr> </thead> <tbody> <tr> <td>1 (Brock TS)</td> <td>3</td> </tr> <tr> <td>2 (SL 22 TS)</td> <td>2</td> </tr> <tr> <td>3 (CWTS)</td> <td>4</td> </tr> </tbody> </table> <p>Site 1 is consistent with MESP Site 3, which also indicated the potential station site within the natural heritage</p>	Class EA Site	MESP Site	1 (Brock TS)	3	2 (SL 22 TS)	2	3 (CWTS)	4	<p>Please note that TRCA staff did not agree to the locations suggested in the MESP in figure D4.1 and at the time of review requested additional station locations be explored outside of the NHS. It is our understanding that through this EA process that some of the locations identified in the MESP have changed. As a result, the EA should address the following:</p> <p>a) Please explore moving Option #2 (Sideline 22) south of Taunton as was originally proposed in the MESP and as discussed during our meeting of February 7, 2017. This area has been disturbed and may be a viable option. Please contact Durham Region for as-builds. If this is not feasible please clearly explain in the EA why it is not possible to construct the station at this site. Rationale behind the preferred solution should be provided in the EA for all options to provide a clear understanding of the decision making process.</p> <p>b) Please explore relocating the line tap area for Option #2 so as to avoid features identified on mapping on the east side of the proposed site. If this is not a viable option please explain why it will not be feasible.</p>	<p>a) The Project Team explored moving Site Option #2 (Sideline 22) south of Taunton Road as part of the site selection process for the EA. Please refer to the “Seaton MTS Constraints in Vicinity of Preferred Site” map, below. It should be noted that the site identified in the MESP (immediately to the east of the reservoir site) encroaches on a significant woodlot, and contains an identified archaeological site. On this basis, the site was removed from further consideration. An alternative area north-west of the MESP site and south of Taunton Road was explored, noted as “Disturbed Land” in the attached figure. The size of this site and the presence of easements for reservoir piping and a petroleum pipeline make this area too small to accommodate the transformer station site, and thus the area was determined not to be technically feasible.</p> <p>b) The Project Team reviewed the line tap connection presented at the January 27, 2017 meeting. It was determined that the station and line tap configuration could be changed to avoid the wetland features mapped on the east side of the proposed site. The line tap configuration has been changed as shown in the attached figure.</p>	<p>a) Page 144 of the report indicates that the MESP originally had Site #2 located on the south side of Taunton Road, but that it was relocated to the north side to avoid potential archaeological areas. Table 5-2 notes that there is archaeological potential at all 3 sites. It was our understanding that the reason the station could not be located on the south side was that it would be in conflict with other infrastructure. Please clarify or revise.</p> <p>b) Please arrange for a site visit with TRCA staff, as noted in the report, to walk the connection upgrades, line tap and site layout as there are wetlands and possible wooded areas that will require avoidance or compensation if impacted. These areas will have to be mapped and quantified after a field exercise as part of the design.</p>	<p>a) Two separate sites were considered on the South side of Taunton Road. The first site identified in the MESP as Site #2 (immediately to the east of the reservoir site) encroaches on a significant woodlot, and contains a known archaeological site. The ESR will be updated to remove “potential archaeological site” and indicate a “known archaeological site” The second site is identified as “Disturbed Land” in the attached figure. The size of this site and the presence of easements for reservoir piping and a petroleum pipeline make this area too small to accommodate the Transformer station site, and thus the area was determined not to be technically feasible. As result, the third site located North of Taunton Road was chosen as Site # 2 in this EA.</p> <p>b) Veridian and Hydro One coordinated a site visit with TRCA August 25, 2017. During on-site meeting TRCA and Seaton MTS Project Team discussed and clarified a number of requirements for the detail design phase of the Project. It was clarified that additional studies (geotechnical, stormwater management, hydrogeology etc.) may be required as part of site plan and other</p>	<p>a) No further comment</p> <p>b) Figure 5.3 on page 158 shows the revised alignment and the response to our last set of comments found in Appendix B shows the revised line tap. No further comment.</p>
Class EA Site	MESP Site														
1 (Brock TS)	3														
2 (SL 22 TS)	2														
3 (CWTS)	4														

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		<p>system. Site 2, is generally consistent with MESP site 2. However it was moved from the south side to the north side of Taunton in response to archaeological concerns, which were identified by the authors of the MESP. This area was shown within the natural heritage system in the MESP. The site identified as site 1 in the MESP was dropped from consideration, due to the proximity to planned urban development and no reasonable method for Veridian to acquire the site. Site 3, MESP site 4 was shown within the existing Hydro One Cherrywood facility in the MESP. This location was shifted to the east of Dixie road on the advice of Hydro One as there is no available room in the existing facility. 2.</p>				<p>development application, to be determined during detailed design. TRCA also reviewed the location for the tap line connection and commented that while it was no longer impacting the wetland to the east of the Site, it was now impacting a woodlot on the south side of Taunton Road. The Project Team reviewed the line tap configuration and confirmed that the line tap can be relocated to avoid the woodlot. Please see Appendix B for a sketch that shows the proposed relocation of the tap line.</p>	
2	<p>Evaluation of each transformer location should include identification of the features located within 120 m of the transformer station and line construction. Studies should include the ELC communities to be impacted and possible changes in hydrology (contribution of area to headwater features in the area or wetlands) from construction of the station and line. Woody vegetation removal should be assessed (tree and shrub) as well as impacts to wetlands and watercourses. Please ensure this is included in the EA document.</p>	<p>ELC evaluation of the three potential station sites has been completed as part of the Study. Please see the attached figures showing the natural heritage features (Attachments 2-4), and ELC mapping (Attachments 5- 7) for the three Sites. Natural heritage feature mapping for the associated transmission line segments is shown in Attachments 8-10. In addition to potential impacts and interactions with other environmental features (including but not limited to planned land use, heritage resources and technical constraints etc.) potential impacts from construction of the station and line to features including vegetation, wetlands and watercourses will be used in the evaluation of each site. The site with the best overall score will be selected when considering a number of factors as per the requirements in the Class EA. The Class EA will include a discussion of the alternatives, proposed mitigation and predicted net effects.</p>	<p>a) Mapping provided shows the general location of natural features. Once a site is selected TRCA staff will want to stake features on and adjacent to the proposed development. Appropriate buffers will be applied to the development from the staked features.</p> <p>b) Please add data regarding wetlands and headwater features along the proposed line upgrade. At the design stage, access routes to proposed line upgrades should be shown as well as mitigation for access. For example, mitigation could include crossing headwater features during frozen conditions, crossing in August when water levels may be lower or avoiding crossings by accessing from development sites. The digital data will be provided under separate cover.</p> <p>c) Wetlands are located on and adjacent to site #2. Please include a section in the EA discussing Low Impact Development (LID) measures/green infrastructure, buffers, plantings etc. that may mitigate for site disturbance and</p>	<p>a) The Project Team will coordinate with TRCA for a site visit and feature staking when the site has been selected and confirmed through the EA process. The Project Team understands that an authorization under O.Reg. 166/06 may be required, and it is expected that this would be addressed during the design phase of the Project.</p> <p>b) The wetlands and headwater features will be added along the proposed line upgrade route for the Environmental Study Report. A range of mitigation measures, including those suggested by TRCA will be considered and addressed in the Environmental Study Report. These will be confirmed with consultation with TRCA in the design phase of the Project.</p> <p>c) The Project Team thanks TRCA for the LID measures provided. These methods will be reviewed and considered where appropriate as mitigation in the Environmental Study Report.</p> <p>d) Natural Features within the vicinity of the preferred site</p>	<p>a) As noted above, TRCA staff requires a site visit to identify features, impacts, stake limits and ensure appropriate buffers are applied. The design should minimize impacts to the Natural Heritage System and efforts made to ensure no negative impacts to the natural features within the Seaton Natural Heritage System or their ecological functions.</p> <p>a) To be addressed at detailed design.</p> <p>b) To be addressed at detailed design.</p> <p>c) Please note that Section 7 of the EA (mitigation) addresses tree compensation. TRCA staff will require that the function of the features within the NHS (wetlands and woodlots) lost be compensated for and not specifically just tree plantings.</p>	<p>a) As above, Hydro One and Veridian commit to coordinating a site visit with TRCA and to work with the TRCA through the design phase of the project to minimize impacts to the Natural Heritage System and to ensure no negative impacts to the natural features within the Seaton Natural Heritage System or their ecological functions.</p> <p>b) Veridian and Hydro One will work with the TRCA at detailed design phase to address the needed mitigation measures, where required.</p> <p>c) Veridian and Hydro One and will address this at detailed design phase as required, and acknowledge that TRCA will review these mitigation measures in the ESR.</p>	<p>a) During our site visit, on-site constraints were identified including the wetland thicket to the north, significant vegetation along the west boundary and a steeply sloped feature within the southeast border of the site. To be addressed at the site plan/detail design stages for delineation of constraints.</p> <p>b) To be addressed at the site plan/detail design stages.</p> <p>c) To be addressed at the site plan/detail design stages.</p> <p>d) To be addressed at the site plan/detail design stages.</p>

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			<p>impervious areas. For example, permeable pavers could be used for parking and the gravel yard could be terraseeded with a native low growing seed mix to mitigate against thermal impacts. Green roof and infiltration galleries could also be considered (please refer to the attached Appendix B for further information).</p> <p>Please note that TRCA staff previously worked with HydroOne at the Mount Pleasant Road site (just north of Rosedale Valley Road) where green infrastructure was implemented (green roof, soak away pits) in the City of Toronto. The contact for this project was Dima Ostrovsky.</p> <p>d) If natural features will be impacted please identify and discuss possible compensation in the EA report.</p>	(Sideline 22) that may be affected will be identified, and possible mitigation (e.g., biodiversity offsets) discussed in the Environmental Study Report.			
3	<p>According to the Seaton MESP and TRCA ELC mapping Site 1 is located within or adjacent to wetlands (MAS, MAM, SWD) and Site 3 is located within the Natural Heritage System (NHS), an area of contiguous vegetation and an Environmentally Sensitive Area. It is the opinion of TRCA staff that the locations of Stations 1 and 3, as well as their line tap and or liner upgrade will cause negative impacts to these features. As such, these locations are generally not supported by TRCA staff. Site 2 is also located within the NHS and therefore it is our recommendation that the station be located outside of the NHS. A meeting is recommended to further discuss and clarify.</p>	<p>The presence or proximity to natural features including wetlands, ESAs and contiguous vegetation will be used to evaluate each potential site location, as well as the condition and current land use of the site. The Project has noted your comments on Sites 1 and 3 and it will be taken into consideration during site evaluation. We would be pleased to meet with you to discuss the Project.</p>	No further comment at this time.	N/A	-	n/a	-
4	<p>Please show the proposed station locations as an overlay on an ortho photo with the above-noted features as it is difficult to determine where exactly the stations are located as it relates to the NHS and existing regulation limits. Our natural features information, including regulation mapping, was provided digitally earlier this year.</p>	<p>Mapping has been provided as attachments for natural heritage features and ELC for discussion. We will provide overlays of the TRCA regulation limits prior to meeting.</p>	<p>Please note that not all features have been mapped and not all will show up on our regulation mapping. The text of our regulation prevails over our mapping. As such, while an overlay of the regulation mapping will help, some features may not be entirely captured within those limits. Confirmation of the features typically needs to take place on site.</p>	<p>The Project Team understands that features will be more fully defined once a site visit and staking has been completed.</p>	<p>As stated above, TRCA staff requires a site visit prior to detail design for Option #2.</p>	<p>As stated above Veridian and Hydro One will work with the TRCA at detailed design phase.</p>	<p>The station location was discussed during the site visit and it was agreed that Veridian and Hydro One will attempt to locate the station closer to Taunton Road and centered within the agricultural field to avoid impacts to mature trees on the west side, treed slope on east and wetland thicket along the northern border of</p>

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							the site. Plantings along the northern border were discussed as well in relation to enhancing the surrounding features and creating an appropriate buffer. To be addressed at the site plan and detail design stages.
Hydrogeology							
5	With respect to the CTC Source Protection Plan, the preferred location should consider Highly Vulnerable Aquifers (HVA), Significant Groundwater Recharge Areas (SGRA) and Intake Protection Zones. A preliminary examination would suggest that a HVA may be present at Site 1 and a SGRA may be present at Site 2.	These features will be assessed as part of the evaluation criteria for the station sites. Veridian requests information and mapping from TRCA for SRGA and HVA zones in order to perform the evaluation.	As noted in comment 2, data has been requested from our GIS department and will be provided under separate cover.	The GIS information has been received and the data have been used to refine the scoring and evaluation of the station sites and associated line improvements.	It is understood that the hydrogeological report will be completed at detailed design. Please refer to the Hydrogeological Assessment Submissions: Conservation Authority Guidelines for Development Application dated June 2013. http://www.trca.on.ca/dotAsset/214690.pdf	Should a hydrogeological study be required as part of any approvals or authorizations from TRCA, it will be completed.	To be addressed at the site plan/detail design stage.
Regulation Limits and Setbacks							
6	Please note that the limits of development are determined by a compilation of the greater of the staked top of bank, long-term stable top of bank, limit of contiguous vegetation, meander belt, Regulatory Floodplain and limits of wetlands, in addition to the requisite buffers. Please ensure the preferred site considers the above to avoid impacts to the NHS and regulated features.	We have received the regulation mapping from TRCA, and will consider this in addition to the points above in the evaluation of the sites.	Refer to comment #4 above.	Refer to comment #4 above.	Refer to comment #4 above.	Refer to comment #4 above.	Refer to comments #2 and #4 above.
Stormwater Management							
7					At detailed design, please provide stormwater management measures that address the stormwater management criteria established through the Seaton MESPA, which are summarized below: <ul style="list-style-type: none"> <u>Quantity control</u>: The requirement is to control post-development flows to pre-development levels using established unit flow rates. TRCA's criteria for stormwater quantity control were updated as part of the 2012 Duffins Creek Hydrology Update, Aquafor Beech Ltd., which are available online (see link). Site 2 falls within sub-catchments 33 (see the unit flow rates from Table 5.2 in the attachment). https://trca.ca/wp-content/uploads/2016/07/2012-Duffins-Creek-Hydrology-Update.pdf 	As part of the site plan development process, Veridian will provide a stormwater management plan, as per TRCA's Stormwater Management Criteria. Low Impact Development Design Guidelines will be considered in the detailed design phase.	To be addressed at the site plan/detail design stage.

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					<ul style="list-style-type: none"> Stream erosion control and water balance: The requirement from the Seaton MESPA is extended detention of the 25 mm rainfall event for 120 hours, equivalent to 0.6 L/s/ha release rate and 250 m³/imp.ha storage, in all end-of-pipe SWMFs and retention of the first 5 mm of rainfall on-site through low impact design measures. Where it is not feasible to achieve the 25 mm extended detention criteria the 5 mm criteria must be achieved or vice versa. Quality Control: Enhanced level of control (80% TSS removal) as per the 2003 MOECC Stormwater Management Planning and Design Manual. Please note that TRCA only credits most oil grit separators at 50% TSS removal and a treatment train approach is required to meet the 80% TSS removal (refer to TRCA's Stormwater Management Criteria document for more information). <p>For general information and design guidance TRCA's Stormwater Management Criteria document and Low Impact Development Design Guidelines are available online:</p> <ul style="list-style-type: none"> http://sustainabletechnologies.ca/wp-content/uploads/2013/01/SWM-Criteria-2012.pdf http://www.sustainabletechnologies.ca/wp/wp-content/uploads/2013/01/LID-SWM-Guide-v1.0_2010_1_no-appendices.pdf 		
8					At detailed design, please provide detailed erosion and sediment control plans that meet TRCA's guidelines which are available online: https://conservationhamilton.ca/images/documents/pdf/ESCGuideline.pdf	Veridian and Hydro One will provide erosion and sediment control plans, as per TRCA's ESC Guideline (for Station and Line) within the context of detailed design and site plan approvals.	To be addressed at the site plan/detail design stage.
Geotechnical							
9					A geotechnical study including boreholes and all necessary analyses and assessments is required to support the proposed works. The geotechnical study should be presented within a geotechnical report submitted as signed	During detailed design, Veridian and Hydro One will undertake geotechnical studies, and provide them to TRCA as applicable.	To be addressed at the site plan/detail design stage.

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					and sealed by a Licensed Professional Engineer at the design stage.		
10					Where any valley slopes exist, a slope stability and erosion hazard assessment is required to ensure that the facilities and transmission line for the proposed undertaking is not undermined by an erosion hazard in the long-term and does not destabilize the slopes. The position of the Long-Term Stable Top of Slope needs to be delineated with a safety factor of 1.50 to define the setback required for facilities and lines together with a buffer to ensure new structures are not impacted by erosion hazards and slope failure in the long-term.	If required, Veridian and Hydro One will undertake slope stability studies.	As noted on site, a slope segment is located adjacent to the site. It is understood that given the vegetation limits there is some setback from the Top of Slope and, as a result, most likely an adequate setback from the slope and against erosion hazards. However, during the site plan/detail design stage, depending on what is being proposed, a detailed slope stability analysis may be required to confirm that the proposed station has no risk of being undermined by slope instability.
11					If any work is in proximity of a steep slope or valleys, the construction methodology and sequencing should be presented to ensure that the surrounding ground/slope is not adversely impacted during construction.	If required, Veridian and Hydro One will provide the construction methodology and sequencing.	Refer to the comment above. To be addressed at the site plan/detail design stage.
General Comments on the Draft ESR							
12					Table 5-2 indicates that "The line upgrade to Site #2 will cross a small wetland." Please confirm that this is not the wetland located just east of the proposed MTS.	Confirmed that this is not the wetland located just east of the MTS site.	The response states that this is not the wetland east of the MTS. Compensation and mitigation for impacts to the natural heritage system will need to be addressed at the detail design stage for any feature disturbance.
13					Figure 5-4 appears to show the old line tap configuration. Please revise to show the new line tap extending directly into the site and not into the wetland to the east.	Figure 5-4 will be revised to show the new line tap configuration extending directly into the site and not into the wetland to the east.	Figure 5-3 has been revised to show the new configuration.



October 24, 2017

Sharon Lingertat
Senior Planner, Environmental Assessment Planning
Planning and Development
Toronto and Region Conservation
(By email only)

Re: Response to Comments on Seaton Municipal Transformer Station Pre-Release Draft Environmental Study Report, Class Environmental Assessment for Minor Transmission Facilities Frenchmans Bay/Duffins Creek Watersheds; City of Pickering; Durham Region

Dear Ms. Lingertat,

Thank you for your comments of July 12, 2017 on the Pre-Release Draft Environmental Study Report for the above noted Project. We also thank you for your and your Team for attendance the site meeting on August 25, 2017. The table included in Appendix A documents the Project Team response to your comments, and provides a summary of our correspondence to date.

While at the site meeting, it was noted that the proposed new location of the tap line would encroach on a woodlot on the south side of Taunton Road. As a result of this meeting, the Project Team reviewed the line tap configuration and confirmed that the line tap can be relocated to avoid the woodlot. Please see Appendix B for a sketch that shows the proposed relocation of the tap line.

The Project Team thanks you for your comments. Should you have any additional questions, or would like additional information regarding this Project, please contact:

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Andrew.Roberts@wspgroup.com.

Yours truly,
Veridian Connections

A handwritten signature in black ink on a light gray rectangular background. The signature appears to read "Craig Smith".

Craig Smith, P.Eng.
Project Manager Veridian Connections

Hydro One Networks Inc.

A handwritten signature in black ink, consisting of stylized, overlapping loops and lines.

Olivera Radinovic
Environmental Assessment Coordinator, Environmental
Engineering and Project Support

APPENDIX A – TRCA COMMENTS

#	TRCA COMMENTS	HYDRO ONE/ VERIDIAN RESPONSE	TRCA COMMENTS	HYDRO ONE/ VERIDIAN RESPONSE	TRCA COMMENTS	HYDRO ONE/ VERIDIAN RESPONSE
	NOVEMBER 23, 2016	January 27, 2017	FEBRUARY 10, 2017	FEBRUARY 27, 2017	JULY 12, 2017	October 24, 2017
NATURAL HERITAGE SYSTEM						
1	<p>Please clarify why additional station location options as identified in the Seaton MESP are also not being considered. Our concern is that all three of the stations shown appear to be located within the Natural Heritage System (NHS). Please explain why the station locations were selected and why they cannot be located outside of the NHS.</p>	<p>The planning for potential substation sites first considers technical constraints and constructability requirements. For instance, the potential site should be as close as possible to the demand load it will service to reduce electrical losses and also close to the transmission line that will supply the station. Available access to the site is also considered as well as accessibility to municipal or regional roads to allow for feeders from the substation to be located in those rights-of-way instead of having to construct new feeder rights-of-way. In addition to these requirements, consideration was given to the City of Pickering Master Environmental Servicing Plan (MESP) and the Provincial Policy Statement (PPS), 2014.</p> <p>The chosen sites are relatively close to the demand load and close to the high-voltage transmission supply required and has road access. The transmission facilities that would be required for each of these three sites would use an existing right-of-way which is consistent with the planning</p>	<p>Please note that TRCA staff did not agree to the locations suggested in the MESP in figure D4.1 and at the time of review requested additional station locations be explored outside of the NHS. It is our understanding that through this EA process that some of the locations identified in the MESP have changed. As a result, the EA should address the following:</p> <p>a) Please explore moving Option #2 (Sideline 22) south of Taunton as was originally proposed in the MESP and as discussed during our meeting of February 7, 2017. This area has been disturbed and may be a viable option. Please contact Durham Region for as-builds. If this is not feasible please clearly explain in the EA why it is not possible to construct the station at this site. Rationale behind the preferred solution should be provided in the EA for all options to provide a clear understanding of the decision making process.</p>	<p>(a) The Project Team explored moving Site Option #2 (Sideline 22) south of Taunton Road as part of the site selection process for the EA. Please refer to the “Seaton MTS Constraints in Vicinity of Preferred Site” map, below. It should be noted that the site identified in the MESP (immediately to the east of the reservoir site) encroaches on a significant woodlot, and contains an identified archaeological site. On this basis, the site was removed from further consideration. An alternative area north-west of the MESP site and south of Taunton Road was explored, noted as “Disturbed Land” in the attached figure. The size of this site and the presence of easements for reservoir piping and a petroleum pipeline make this area too small to accommodate the transformer station site, and thus the area was determined not to be technically feasible.</p> <p>(b) The Project Team reviewed the line tap connection presented at the January 27, 2017 meeting. It was determined that the</p>	<p>a) Page 144 of the report indicates that the MESP originally had Site #2 located on the south side of Taunton Road, but that it was relocated to the north side to avoid potential archaeological areas. Table 5-2 notes that there is archaeological potential at all 3 sites. It was our understanding that the reason the station could not be located on the south side was that it would be in conflict with other infrastructure. Please clarify or revise.</p> <p>b) Please arrange for a site visit with TRCA staff, as noted in the report, to walk the connection upgrades, line tap and site layout as there are wetlands and possible wooded areas that will require avoidance or compensation if impacted. These areas will have to be mapped and quantified after a field exercise as part of the design.</p>	<p>a) Two separate sites were considered on the South side of Taunton Road. The first site identified in the MESP as Site #2 (immediately to the east of the reservoir site) encroaches on a significant woodlot, and contains a known archaeological site. The ESR will be updated to remove “potential archaeological site” and indicate a “known archaeological site”</p> <p>The second site is identified as “Disturbed Land” in the attached figure. The size of this site and the presence of easements for reservoir piping and a petroleum pipeline make this area too small to accommodate the Transformer station site, and thus the area was determined not to be technically feasible. As result, the third site located North of Taunton Road was chosen as Site # 2 in this EA.</p> <p>b)Veridian and Hydro One coordinated a site visit with TRCA August 25, 2017. During on-site meeting TRCA and Seaton MTS Project</p>

#	TRCA COMMENTS	HYDRO ONE/ VERIDIAN RESPONSE	TRCA COMMENTS	HYDRO ONE/ VERIDIAN RESPONSE	TRCA COMMENTS	HYDRO ONE/ VERIDIAN RESPONSE								
	NOVEMBER 23, 2016	January 27, 2017	FEBRUARY 10, 2017	FEBRUARY 27, 2017	JULY 12, 2017	October 24, 2017								
		<p>recommendations of the PPS. The MESP produced by the City of Pickering outlined locations for non-municipal utility services, including four potential transformer substation locations. Figure D4.1 from the MESP is enclosed as Attachment 1. The general site locales for the Class EA Study were selected based on the technical factors above, as well as the suggested areas in the MESP. For clarity, the table below shows the concordance between the site nomenclature in the Class EA and the MESP.</p> <table border="0"> <tr> <td>Class EA Site</td> <td>MESP Site</td> </tr> <tr> <td>1 (Brock TS)</td> <td>3</td> </tr> <tr> <td>2 (SL 22 TS)</td> <td>2</td> </tr> <tr> <td>3 (CWTS)</td> <td>4</td> </tr> </table> <p>Site 1 is consistent with MESP Site 3, which also indicated the potential station site within the natural heritage system. Site 2, is generally consistent with MESP site 2. However it was moved from the south side to the north side of Taunton in response to archaeological concerns, which were identified by the authors of the MESP. This area was shown within the natural heritage system in the MESP. The site identified as site 1 in the MESP was dropped from consideration, due to the proximity to planned urban development and no</p>	Class EA Site	MESP Site	1 (Brock TS)	3	2 (SL 22 TS)	2	3 (CWTS)	4	<p>b) Please explore relocating the line tap area for Option #2 so as to avoid features identified on mapping on the east side of the proposed site. If this is not a viable option please explain why it will not be feasible.</p>	<p>station and line tap configuration could be changed to avoid the wetland features mapped on the east side of the proposed site. The line tap configuration has been changed as shown in the attached figure.</p>		<p>Team discussed and clarified a number of requirements for the detail design phase of the Project. It was clarified that additional studies (geotechnical, stormwater management, hydrogeology etc.) may be required as part of site plan and other development application, to be determined during detailed design.</p> <p>TRCA also reviewed the location for the tap line connection and commented that while it was no longer impacting the wetland to the east of the Site, it was now impacting a woodlot on the south side of Taunton Road.</p> <p>The Project Team reviewed the line tap configuration and confirmed that the line tap can be relocated to avoid the woodlot. Please see Appendix B for a sketch that shows the proposed relocation of the tap line.</p>
Class EA Site	MESP Site													
1 (Brock TS)	3													
2 (SL 22 TS)	2													
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		reasonable method for Veridian to acquire the site. Site 3, MESP site 4 was shown within the existing Hydro One Cherrywood facility in the MESP. This location was shifted to the east of Dixie road on the advice of Hydro One as there is no available room in the existing facility. 2.				
2	Evaluation of each transformer location should include identification of the features located within 120 m of the transformer station and line construction. Studies should include the ELC communities to be impacted and possible changes in hydrology (contribution of area to headwater features in the area or wetlands) from construction of the station and line. Woody vegetation removal should be assessed (tree and shrub) as well as impacts to wetlands and watercourses. Please ensure this is included in the EA document.	ELC evaluation of the three potential station sites has been completed as part of the Study. Please see the attached figures showing the natural heritage features (Attachments 2-4), and ELC mapping (Attachments 5-7) for the three Sites. Natural heritage feature mapping for the associated transmission line segments is shown in Attachments 8-10. In addition to potential impacts and interactions with other environmental features (including but not limited to planned land use, heritage resources and technical constraints etc.) potential impacts from construction of the station and line to features including vegetation, wetlands and watercourses will be used in the evaluation of each site. The site with the best overall score will be selected when considering a number of factors as per the requirements in the Class EA. The Class EA will include a discussion of the alternatives, proposed	<p>a) Mapping provided shows the general location of natural features. Once a site is selected TRCA staff will want to stake features on and adjacent to the proposed development. Appropriate buffers will be applied to the development from the staked features.</p> <p>b) Please add data regarding wetlands and headwater features along the proposed line upgrade. At the design stage, access routes to proposed line upgrades should be shown as well as mitigation for access. For example, mitigation could include crossing headwater features during frozen conditions, crossing in August when water levels may be lower or avoiding crossings by accessing from development sites. The digital data will be provided under separate cover.</p>	<p>a) The Project Team will coordinate with TRCA for a site visit and feature staking when the site has been selected and confirmed through the EA process. The Project Team understands that an authorization under O.Reg. 166/06 may be required, and it is expected that this would be addressed during the design phase of the Project.</p> <p>b) The wetlands and headwater features will be added along the proposed line upgrade route for the Environmental Study Report. A range of mitigation measures, including those suggested by TRCA will be considered and addressed in the Environmental Study Report. These will be confirmed with consultation with TRCA in the design phase of the Project.</p>	<p>a) As noted above, TRCA staff requires a site visit to identify features, impacts, stake limits and ensure appropriate buffers are applied. The design should minimize impacts to the Natural Heritage System and efforts made to ensure no negative impacts to the natural features within the Seaton Natural Heritage System or their ecological functions.</p> <p>b) To be addressed at detailed design.</p> <p>c) To be addressed at detailed design.</p> <p>d) Please note that Section 7 of the EA (mitigation) addresses tree compensation. TRCA staff will require that the function of the features within the NHS (wetlands and woodlots) lost be compensated for and not specifically just tree plantings.</p>	<p>a) As above, Hydro One and Veridian commit to coordinating a site visit with TRCA and to work with the TRCA through the design phase of the project to minimize impacts to the Natural Heritage System and to ensure no negative impacts to the natural features within the Seaton Natural Heritage System or their ecological functions.</p> <p>b) Veridian and Hydro One will work with the TRCA at detailed design phase to address the needed mitigation measures, where required.</p> <p>c) Veridian and Hydro One and will address this at detailed design phase as required, and acknowledge that TRCA will review these mitigation measures in the ESR.</p>

#	TRCA COMMENTS	HYDRO ONE/ VERIDIAN RESPONSE	TRCA COMMENTS	HYDRO ONE/ VERIDIAN RESPONSE	TRCA COMMENTS	HYDRO ONE/ VERIDIAN RESPONSE
	NOVEMBER 23, 2016	January 27, 2017	FEBRUARY 10, 2017	FEBRUARY 27, 2017	JULY 12, 2017	October 24, 2017
		mitigation and predicted net effects.	<p>c) Wetlands are located on and adjacent to site #2. Please include a section in the EA discussing Low Impact Development (LID) measures/green infrastructure, buffers, plantings etc. that may mitigate for site disturbance and impervious areas. For example, permeable pavers could be used for parking and the gravel yard could be terraseeded with a native low growing seed mix to mitigate against thermal impacts. Green roof and infiltration galleries could also be considered (please refer to the attached Appendix B for further information).</p> <p>Please note that TRCA staff previously worked with HydroOne at the Mount Pleasant Road site (just north of Rosedale Valley Road) where green infrastructure was implemented (green roof, soak away pits) in the City of Toronto. The contact for this project was Dima Ostrovsky.</p> <p>d) If natural features will be impacted please identify and discuss possible compensation in the EA report.</p>	<p>c) The Project Team thanks TRCA for the LID measures provided. These methods will be reviewed and considered where appropriate as mitigation in the Environmental Study Report.</p> <p>d) Natural Features within the vicinity of the preferred site (Sideline 22) that may be affected will be identified, and possible mitigation (e.g., biodiversity offsets) discussed in the Environmental Study Report.</p>		

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3	According to the Seaton MESP and TRCA ELC mapping Site 1 is located within or adjacent to wetlands (MAS, MAM, SWD) and Site 3 is located within the Natural Heritage System (NHS), an area of contiguous vegetation and an Environmentally Sensitive Area. It is the opinion of TRCA staff that the locations of Stations 1 and 3, as well as their line tap and or liner upgrade will cause negative impacts to these features. As such, these locations are generally not supported by TRCA staff. Site 2 is also located within the NHS and therefore it is our recommendation that the station be located outside of the NHS. A meeting is recommended to further discuss and clarify.	The presence or proximity to natural features including wetlands, ESAs and contiguous vegetation will be used to evaluate each potential site location, as well as the condition and current land use of the site. The Project has noted your comments on Sites 1 and 3 and it will be taken into consideration during site evaluation. We would be pleased to meet with you to discuss the Project.	No further comment at this time.	N/A	N/A	N/A
4	Please show the proposed station locations as an overlay on an ortho photo with the above-noted features as it is difficult to determine where exactly the stations are located as it relates to the NHS and existing regulation limits. Our natural features information, including regulation mapping, was provided digitally earlier this year.	Mapping has been provided as attachments for natural heritage features and ELC for discussion. We will provide overlays of the TRCA regulation limits prior to meeting.	Please note that not all features have been mapped and not all will show up on our regulation mapping. The text of our regulation prevails over our mapping. As such, while an overlay of the regulation mapping will help, some features may not be entirely captured within those limits. Confirmation of the features typically needs to take place on site.	The Project Team understands that features will be more fully defined once a site visit and staking has been completed.	As stated above, TRCA staff requires a site visit prior to detail design for Option #2.	As stated above Veridian and Hydro One will work with the TRCA at detailed design phase.
HYDROGEOLOGY						
5	With respect to the CTC Source Protection Plan, the	These features will be assessed as part of the	As noted in comment 2, data has been requested from our	The GIS information has been received and the data	It is understood that the hydrogeological report will be	Should a hydrogeological study be required as part of

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	NOVEMBER 23, 2016	January 27, 2017	FEBRUARY 10, 2017	FEBRUARY 27, 2017	JULY 12, 2017	October 24, 2017
	preferred location should consider Highly Vulnerable Aquifers (HVA), Significant Groundwater Recharge Areas (SGRA) and Intake Protection Zones. A preliminary examination would suggest that a HVA may be present at Site 1 and a SGRA may be present at Site 2.	evaluation criteria for the station sites. Veridian requests information and mapping from TRCA for SRGA and HVA zones in order to perform the evaluation.	GIS department and will be provided under separate cover.	have been used to refine the scoring and evaluation of the station sites and associated line improvements.	completed at detailed design. Please refer to the Hydrogeological Assessment Submissions: Conservation Authority Guidelines for Development Application dated June 2013. http://www.trca.on.ca/dotAsset/214690.pdf	any approvals or authorizations from TRCA, it will be completed.
REGULATION LIMITS AND SETBACKS						
6	Please note that the limits of development are determined by a compilation of the greater of the staked top of bank, long-term stable top of bank, limit of contiguous vegetation, meander belt, Regulatory Floodplain and limits of wetlands, in addition to the requisite buffers. Please ensure the preferred site considers the above to avoid impacts to the NHS and regulated features.	We have received the regulation mapping from TRCA, and will consider this in addition to the points above in the evaluation of the sites.	Refer to comment #4 above.	Refer to comment #4 above.	Refer to comment #4 above.	Refer to comment #4 above.
STORMWATER MANAGEMENT						
7					At detailed design, please provide stormwater management measures that address the stormwater management criteria established through the Seaton MESPA, which are summarized below: <ul style="list-style-type: none"> <u>Quantity control</u>: The requirement is to control post-development flows to pre-development levels using established unit flow rates. TRCA's criteria for 	As part of the site plan development process, Veridian will provide a stormwater management plan, as per TRCA's Stormwater Management Criteria. Low Impact Development Design Guidelines will be considered in the detailed design phase.

#	TRCA COMMENTS	HYDRO ONE/ VERIDIAN RESPONSE	TRCA COMMENTS	HYDRO ONE/ VERIDIAN RESPONSE	TRCA COMMENTS	HYDRO ONE/ VERIDIAN RESPONSE
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					<p>stormwater quantity control were updated as part of the 2012 Duffins Creek Hydrology Update, Aquafor Beech Ltd., which are available online (see link). Site 2 falls within sub-catchments 33 (see the unit flow rates from Table 5.2 in the attachment). https://trca.ca/wp-content/uploads/2016/07/2012-Duffins-Creek-Hydrology-Update.pdf</p> <ul style="list-style-type: none"> • <u>Stream erosion control and water balance</u>: The requirement from the Seaton MESPAs is extended detention of the 25 mm rainfall event for 120 hours, equivalent to 0.6 L/s/ha release rate and 250 m³/imp.ha storage, in all end-of-pipe SWMFs and retention of the first 5 mm of rainfall on-site through low impact design measures. Where it is not feasible to achieve the 25 mm extended detention criteria the 5 mm criteria must be achieved or vice versa. • <u>Quality Control</u>: Enhanced level of control (80% TSS removal) as per the 2003 MOECC Stormwater Management Planning and Design Manual. Please 	

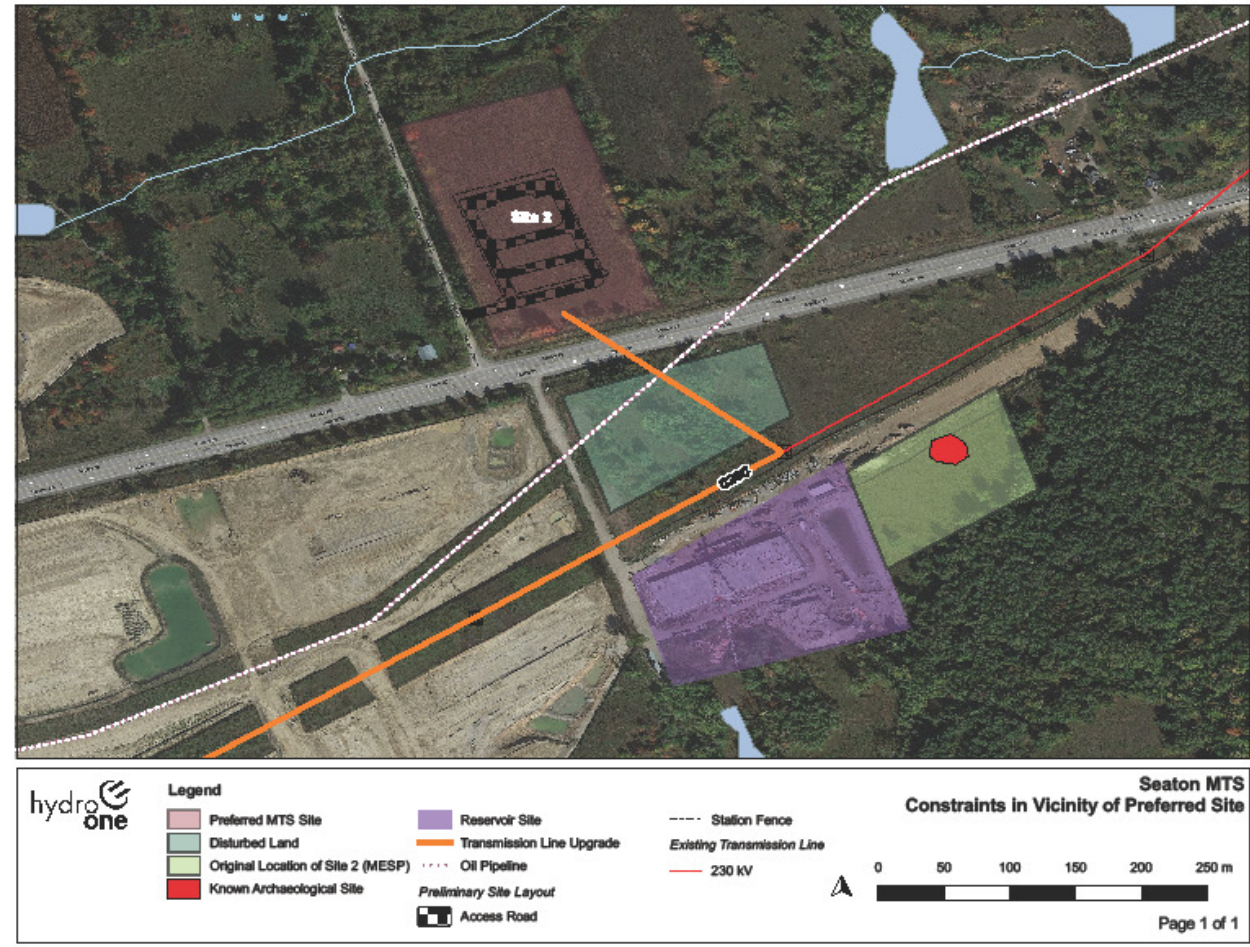
#	TRCA COMMENTS	HYDRO ONE/ VERIDIAN RESPONSE	TRCA COMMENTS	HYDRO ONE/ VERIDIAN RESPONSE	TRCA COMMENTS	HYDRO ONE/ VERIDIAN RESPONSE
	NOVEMBER 23, 2016	January 27, 2017	FEBRUARY 10, 2017	FEBRUARY 27, 2017	JULY 12, 2017	October 24, 2017
					<p>note that TRCA only credits most oil grit separators at 50% TSS removal and a treatment train approach is required to meet the 80% TSS removal (refer to TRCA's Stormwater Management Criteria document for more information).</p> <p>For general information and design guidance TRCA's Stormwater Management Criteria document and Low Impact Development Design Guidelines are available online:</p> <ul style="list-style-type: none"> • http://sustainabletechnologies.ca/wp/wp-content/uploads/2013/01/SWM-Criteria-2012.pdf • http://www.sustainabletechnologies.ca/wp/wp-content/uploads/2013/01/LID-SWM-Guide-v1.0_2010_1_no-appendices.pdf 	
8					<p>At detailed design, please provide detailed erosion and sediment control plans that meet TRCA's guidelines which are available online:</p> <p>https://conservationhamilton.ca/images/documents/pdf/ESCGuideline.pdf</p>	<p>Veridian and Hydro One will provide erosion and sediment control plans, as per TRCA's ESC Guideline (for Station and Line) within the context of detailed design and site plan approvals.</p>
GEOTECHNICAL STUDIES						
9					<p>A geotechnical study including boreholes and all necessary analyses and assessments is required to support the proposed works. The</p>	<p>During detailed design, Veridian and Hydro One will undertake geotechnical studies, and provide them to TRCA as applicable.</p>

#	TRCA COMMENTS	HYDRO ONE/ VERIDIAN RESPONSE	TRCA COMMENTS	HYDRO ONE/ VERIDIAN RESPONSE	TRCA COMMENTS	HYDRO ONE/ VERIDIAN RESPONSE
	NOVEMBER 23, 2016	January 27, 2017	FEBRUARY 10, 2017	FEBRUARY 27, 2017	JULY 12, 2017	October 24, 2017
					geotechnical study should be presented within a geotechnical report submitted as signed and sealed by a Licensed Professional Engineer at the design stage.	
10					Where any valley slopes exist, a slope stability and erosion hazard assessment is required to ensure that the facilities and transmission line for the proposed undertaking is not undermined by an erosion hazard in the long-term and does not destabilize the slopes. The position of the Long-Term Stable Top of Slope needs to be delineated with a safety factor of 1.50 to define the setback required for facilities and lines together with a buffer to ensure new structures are not impacted by erosion hazards and slope failure in the long-term.	If required, Veridian and Hydro One will undertake slope stability studies.
11					If any work is in proximity of a steep slope or valleys, the construction methodology and sequencing should be presented to ensure that the surrounding ground/slope is not adversely impacted during construction.	If required, Veridian and Hydro One will provide the construction methodology and sequencing.
GENERAL COMMENTS ON THE DRAFT ESR						
12					Table 5-2 indicates that "The line upgrade to Site #2 will cross a small wetland." Please confirm that this is not the wetland located just east of the proposed MTS.	Confirmed that this is not the wetland located just east of the MTS site.

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	NOVEMBER 23, 2016	January 27, 2017	FEBRUARY 10, 2017	FEBRUARY 27, 2017	JULY 12, 2017	October 24, 2017
13					Figure 5-4 appears to show the old line tap configuration. Please revise to show the new line tap extending directly into the site and not into the wetland to the east.	Figure 5-4 will be revised to show the new line tap configuration extending directly into the site and not into the wetland to the east.

ATTACHMENTS

1 a) Seaton MTS Constraints in Vicinity of Preferred Site Map



APPENDIX B: PROPOSED NEW TAP LINE ALIGNMENT



December 11, 2017

CFN 52944

BY E-MAIL ONLY (csmith@veridian.on.ca, Olivera.Radinovic@HydroOne.com)

Craig Smith
Veridian Connections
55 Taunton Road East
Ajax, ON L1T 3V3

Olivera Radinovic
HydroOne
483 Bay Street, 6th Floor, South Tower
Toronto, ON M5G 2P5

Dear Mr. Smith and Ms. Radinovic:

**Re: Seaton Municipal Transformer Station Project
Class Environmental Assessment – Draft Environmental Study Report (2017)
Frenchmans Bay/Duffins Creek Watersheds; City of Pickering; Durham Region**

Toronto and Region Conservation Authority (TRCA) staff received a response to our comments on October 24, 2017, the Notice of Completion on November 16, 2017 and the Draft Environmental Study Report (2017) on November 27, 2017.

It is our understanding that Veridian Connections and Hydro One Networks Inc. are working as co-proponents on a new Municipal Transformer Station (MTS) and associated Hydro One transmission connection upgrades to service the proposed Seaton community. The proposed works include constructing a new 230 kV/27.6 kV MTS, connecting the new MTS to Hydro One's existing 230 kV line and upgrading Hydro One's single circuit transmission line of approximately 1 km in length to a double circuit transmission line.

Three (3) sites for the MTS were considered in the draft ESR. The preferred option is Site #2 which is located on the northeast corner of Taunton Road and Sideline 22. The site is approximately 3.8 ha in size. A line tap will be required to connect the proposed station on the north side of Taunton Road to the existing transmission corridor located south of Taunton Road. TRCA staff appreciates the efforts made to relocate the line tap to avoid impacts to the wetland on the east side of the lot as well as efforts to move the proposed tower on the south side of Taunton Road further west into the cleared opening to avoid further tree removals.

Staff has reviewed the report and has no objection in principle to the preferred alternative. Notwithstanding, in reviewing the EA document staff has a number of comments related to the site plan and detail design stages that will need to be addressed in the future. These are enclosed as Appendix A.

As noted in the report, permits in accordance with Ontario Regulation 166/06 are required from TRCA prior to project construction. Please contact me at extension 5717 or at slingertat@trca.on.ca should you have any questions.

Yours truly,

Sharon Lingertat
Senior Planner, Environmental Assessment Planning
Planning and Development

BY E-MAIL

cc: Consultant: Andrew Roberts (Andrew.Roberts@wspgroup.com)
TRCA: Maryam Nassar, Duffins/Carruthers Watershed Project Manager
Steve Heuchert, Associate Director, Development Planning and Regulation

APPENDIX A – TRCA COMMENTS

#	TRCA COMMENTS (NOVEMBER 23, 2016)	HYDRO ONE/VERIDIAN RESPONSE (JANUARY 2017)	TRCA COMMENTS (FEBRUARY 10, 2017)	HYDRO ONE/VERIDIAN RESPONSE (FEBRUARY 27, 2017)	TRCA COMMENTS (JULY 12, 2017)	HYDRO ONE/VERIDIAN RESPONSE (OCTOBER 24, 2017)	TRCA COMMENTS (DECEMBER 11, 2017)								
		Natural Heritage System													
1	<p>Please clarify why additional station location options as identified in the Seaton MESP are also not being considered. Our concern is that all three of the stations shown appear to be located within the Natural Heritage System (NHS). Please explain why the station locations were selected and why they cannot be located outside of the NHS.</p>	<p>The planning for potential substation sites first considers technical constraints and constructability requirements. For instance, the potential site should be as close as possible to the demand load it will service to reduce electrical losses and also close to the transmission line that will supply the station. Available access to the site is also considered as well as accessibility to municipal or regional roads to allow for feeders from the substation to be located in those rights-of-way instead of having to construct new feeder rights-of-way. In addition to these requirements, consideration was given to the City of Pickering Master Environmental Servicing Plan (MESP) and the Provincial Policy Statement (PPS), 2014.</p> <p>The chosen sites are relatively close to the demand load and close to the high-voltage transmission supply required and has road access. The transmission facilities that would be required for each of these three sites would use an existing right-of-way which is consistent with the planning recommendations of the PPS. The MESP produced by the City of Pickering outlined locations for non-municipal utility services, including four potential transformer substation locations. Figure D4.1 from the MESP is enclosed as Attachment 1. The general site locales for the Class EA Study were selected based on the technical factors above, as well as the suggested areas in the MESP. 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As a result, the EA should address the following:</p> <p>a) Please explore moving Option #2 (Sideline 22) south of Taunton as was originally proposed in the MESP and as discussed during our meeting of February 7, 2017. This area has been disturbed and may be a viable option. Please contact Durham Region for as-builds. If this is not feasible please clearly explain in the EA why it is not possible to construct the station at this site. Rationale behind the preferred solution should be provided in the EA for all options to provide a clear understanding of the decision making process.</p> <p>b) Please explore relocating the line tap area for Option #2 so as to avoid features identified on mapping on the east side of the proposed site. If this is not a viable option please explain why it will not be feasible.</p>	<p>a) The Project Team explored moving Site Option #2 (Sideline 22) south of Taunton Road as part of the site selection process for the EA. Please refer to the “Seaton MTS Constraints in Vicinity of Preferred Site” map, below. It should be noted that the site identified in the MESP (immediately to the east of the reservoir site) encroaches on a significant woodlot, and contains an identified archaeological site. On this basis, the site was removed from further consideration. An alternative area north-west of the MESP site and south of Taunton Road was explored, noted as “Disturbed Land” in the attached figure. The size of this site and the presence of easements for reservoir piping and a petroleum pipeline make this area too small to accommodate the transformer station site, and thus the area was determined not to be technically feasible.</p> <p>b) The Project Team reviewed the line tap connection presented at the January 27, 2017 meeting. It was determined that the station and line tap configuration could be changed to avoid the wetland features mapped on the east side of the proposed site. The line tap configuration has been changed as shown in the attached figure.</p>	<p>a) Page 144 of the report indicates that the MESP originally had Site #2 located on the south side of Taunton Road, but that it was relocated to the north side to avoid potential archaeological areas. Table 5-2 notes that there is archaeological potential at all 3 sites. It was our understanding that the reason the station could not be located on the south side was that it would be in conflict with other infrastructure. Please clarify or revise.</p> <p>b) Please arrange for a site visit with TRCA staff, as noted in the report, to walk the connection upgrades, line tap and site layout as there are wetlands and possible wooded areas that will require avoidance or compensation if impacted. These areas will have to be mapped and quantified after a field exercise as part of the design.</p>	<p>a) Two separate sites were considered on the South side of Taunton Road. The first site identified in the MESP as Site #2 (immediately to the east of the reservoir site) encroaches on a significant woodlot, and contains a known archaeological site. The ESR will be updated to remove “potential archaeological site” and indicate a “known archaeological site” The second site is identified as “Disturbed Land” in the attached figure. The size of this site and the presence of easements for reservoir piping and a petroleum pipeline make this area too small to accommodate the Transformer station site, and thus the area was determined not to be technically feasible. As result, the third site located North of Taunton Road was chosen as Site # 2 in this EA.</p> <p>b) Veridian and Hydro One coordinated a site visit with TRCA August 25, 2017. During on-site meeting TRCA and Seaton MTS Project Team discussed and clarified a number of requirements for the detail design phase of the Project. It was clarified that additional studies (geotechnical, stormwater management, hydrogeology etc.) may be required as part of site plan and other</p>	<p>a) No further comment</p> <p>b) Figure 5.3 on page 158 shows the revised alignment and the response to our last set of comments found in Appendix B shows the revised line tap. No further comment.</p>
Class EA Site	MESP Site														
1 (Brock TS)	3														
2 (SL 22 TS)	2														
3 (CWTS)	4														

#	TRCA COMMENTS (NOVEMBER 23, 2016)	HYDRO ONE/VERIDIAN RESPONSE (JANUARY 2017)	TRCA COMMENTS (FEBRUARY 10, 2017)	HYDRO ONE/VERIDIAN RESPONSE (FEBRUARY 27, 2017)	TRCA COMMENTS (JULY 12, 2017)	HYDRO ONE/VERIDIAN RESPONSE (OCTOBER 24, 2017)	TRCA COMMENTS (DECEMBER 11, 2017)
		<p>system. Site 2, is generally consistent with MESP site 2. However it was moved from the south side to the north side of Taunton in response to archaeological concerns, which were identified by the authors of the MESP. This area was shown within the natural heritage system in the MESP. The site identified as site 1 in the MESP was dropped from consideration, due to the proximity to planned urban development and no reasonable method for Veridian to acquire the site. Site 3, MESP site 4 was shown within the existing Hydro One Cherrywood facility in the MESP. This location was shifted to the east of Dixie road on the advice of Hydro One as there is no available room in the existing facility. 2.</p>				<p>development application, to be determined during detailed design. TRCA also reviewed the location for the tap line connection and commented that while it was no longer impacting the wetland to the east of the Site, it was now impacting a woodlot on the south side of Taunton Road. The Project Team reviewed the line tap configuration and confirmed that the line tap can be relocated to avoid the woodlot. Please see Appendix B for a sketch that shows the proposed relocation of the tap line.</p>	
2	<p>Evaluation of each transformer location should include identification of the features located within 120 m of the transformer station and line construction. Studies should include the ELC communities to be impacted and possible changes in hydrology (contribution of area to headwater features in the area or wetlands) from construction of the station and line. Woody vegetation removal should be assessed (tree and shrub) as well as impacts to wetlands and watercourses. Please ensure this is included in the EA document.</p>	<p>ELC evaluation of the three potential station sites has been completed as part of the Study. Please see the attached figures showing the natural heritage features (Attachments 2-4), and ELC mapping (Attachments 5- 7) for the three Sites. Natural heritage feature mapping for the associated transmission line segments is shown in Attachments 8-10. In addition to potential impacts and interactions with other environmental features (including but not limited to planned land use, heritage resources and technical constraints etc.) potential impacts from construction of the station and line to features including vegetation, wetlands and watercourses will be used in the evaluation of each site. The site with the best overall score will be selected when considering a number of factors as per the requirements in the Class EA. The Class EA will include a discussion of the alternatives, proposed mitigation and predicted net effects.</p>	<p>a) Mapping provided shows the general location of natural features. Once a site is selected TRCA staff will want to stake features on and adjacent to the proposed development. Appropriate buffers will be applied to the development from the staked features.</p> <p>b) Please add data regarding wetlands and headwater features along the proposed line upgrade. At the design stage, access routes to proposed line upgrades should be shown as well as mitigation for access. For example, mitigation could include crossing headwater features during frozen conditions, crossing in August when water levels may be lower or avoiding crossings by accessing from development sites. The digital data will be provided under separate cover.</p> <p>c) Wetlands are located on and adjacent to site #2. Please include a section in the EA discussing Low Impact Development (LID) measures/green infrastructure, buffers, plantings etc. that may mitigate for site disturbance and</p>	<p>a) The Project Team will coordinate with TRCA for a site visit and feature staking when the site has been selected and confirmed through the EA process. The Project Team understands that an authorization under O.Reg. 166/06 may be required, and it is expected that this would be addressed during the design phase of the Project.</p> <p>b) The wetlands and headwater features will be added along the proposed line upgrade route for the Environmental Study Report. A range of mitigation measures, including those suggested by TRCA will be considered and addressed in the Environmental Study Report. These will be confirmed with consultation with TRCA in the design phase of the Project.</p> <p>c) The Project Team thanks TRCA for the LID measures provided. These methods will be reviewed and considered where appropriate as mitigation in the Environmental Study Report.</p> <p>d) Natural Features within the vicinity of the preferred site</p>	<p>a) As noted above, TRCA staff requires a site visit to identify features, impacts, stake limits and ensure appropriate buffers are applied. The design should minimize impacts to the Natural Heritage System and efforts made to ensure no negative impacts to the natural features within the Seaton Natural Heritage System or their ecological functions.</p> <p>a) To be addressed at detailed design.</p> <p>b) To be addressed at detailed design.</p> <p>c) Please note that Section 7 of the EA (mitigation) addresses tree compensation. TRCA staff will require that the function of the features within the NHS (wetlands and woodlots) lost be compensated for and not specifically just tree plantings.</p>	<p>a) As above, Hydro One and Veridian commit to coordinating a site visit with TRCA and to work with the TRCA through the design phase of the project to minimize impacts to the Natural Heritage System and to ensure no negative impacts to the natural features within the Seaton Natural Heritage System or their ecological functions.</p> <p>b) Veridian and Hydro One will work with the TRCA at detailed design phase to address the needed mitigation measures, where required.</p> <p>c) Veridian and Hydro One and will address this at detailed design phase as required, and acknowledge that TRCA will review these mitigation measures in the ESR.</p>	<p>a) During our site visit, on-site constraints were identified including the wetland thicket to the north, significant vegetation along the west boundary and a steeply sloped feature within the southeast border of the site. To be addressed at the site plan/detail design stages for delineation of constraints.</p> <p>b) To be addressed at the site plan/detail design stages.</p> <p>c) To be addressed at the site plan/detail design stages.</p> <p>d) To be addressed at the site plan/detail design stages.</p>

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			<p>impervious areas. For example, permeable pavers could be used for parking and the gravel yard could be terraseeded with a native low growing seed mix to mitigate against thermal impacts. Green roof and infiltration galleries could also be considered (please refer to the attached Appendix B for further information).</p> <p>Please note that TRCA staff previously worked with HydroOne at the Mount Pleasant Road site (just north of Rosedale Valley Road) where green infrastructure was implemented (green roof, soak away pits) in the City of Toronto. The contact for this project was Dima Ostrovsky.</p> <p>d) If natural features will be impacted please identify and discuss possible compensation in the EA report.</p>	(Sideline 22) that may be affected will be identified, and possible mitigation (e.g., biodiversity offsets) discussed in the Environmental Study Report.			
3	<p>According to the Seaton MESP and TRCA ELC mapping Site 1 is located within or adjacent to wetlands (MAS, MAM, SWD) and Site 3 is located within the Natural Heritage System (NHS), an area of contiguous vegetation and an Environmentally Sensitive Area. It is the opinion of TRCA staff that the locations of Stations 1 and 3, as well as their line tap and or liner upgrade will cause negative impacts to these features. As such, these locations are generally not supported by TRCA staff. Site 2 is also located within the NHS and therefore it is our recommendation that the station be located outside of the NHS. A meeting is recommended to further discuss and clarify.</p>	<p>The presence or proximity to natural features including wetlands, ESAs and contiguous vegetation will be used to evaluate each potential site location, as well as the condition and current land use of the site. The Project has noted your comments on Sites 1 and 3 and it will be taken into consideration during site evaluation. We would be pleased to meet with you to discuss the Project.</p>	No further comment at this time.	N/A	-	n/a	-
4	<p>Please show the proposed station locations as an overlay on an ortho photo with the above-noted features as it is difficult to determine where exactly the stations are located as it relates to the NHS and existing regulation limits. Our natural features information, including regulation mapping, was provided digitally earlier this year.</p>	<p>Mapping has been provided as attachments for natural heritage features and ELC for discussion. We will provide overlays of the TRCA regulation limits prior to meeting.</p>	<p>Please note that not all features have been mapped and not all will show up on our regulation mapping. The text of our regulation prevails over our mapping. As such, while an overlay of the regulation mapping will help, some features may not be entirely captured within those limits. Confirmation of the features typically needs to take place on site.</p>	<p>The Project Team understands that features will be more fully defined once a site visit and staking has been completed.</p>	<p>As stated above, TRCA staff requires a site visit prior to detail design for Option #2.</p>	<p>As stated above Veridian and Hydro One will work with the TRCA at detailed design phase.</p>	<p>The station location was discussed during the site visit and it was agreed that Veridian and Hydro One will attempt to locate the station closer to Taunton Road and centered within the agricultural field to avoid impacts to mature trees on the west side, treed slope on east and wetland thicket along the northern border of</p>

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							the site. Plantings along the northern border were discussed as well in relation to enhancing the surrounding features and creating an appropriate buffer. To be addressed at the site plan and detail design stages.
Hydrogeology							
5	With respect to the CTC Source Protection Plan, the preferred location should consider Highly Vulnerable Aquifers (HVA), Significant Groundwater Recharge Areas (SGRA) and Intake Protection Zones. A preliminary examination would suggest that a HVA may be present at Site 1 and a SGRA may be present at Site 2.	These features will be assessed as part of the evaluation criteria for the station sites. Veridian requests information and mapping from TRCA for SRGA and HVA zones in order to perform the evaluation.	As noted in comment 2, data has been requested from our GIS department and will be provided under separate cover.	The GIS information has been received and the data have been used to refine the scoring and evaluation of the station sites and associated line improvements.	It is understood that the hydrogeological report will be completed at detailed design. Please refer to the Hydrogeological Assessment Submissions: Conservation Authority Guidelines for Development Application dated June 2013. http://www.trca.on.ca/dotAsset/214690.pdf	Should a hydrogeological study be required as part of any approvals or authorizations from TRCA, it will be completed.	To be addressed at the site plan/detail design stage.
Regulation Limits and Setbacks							
6	Please note that the limits of development are determined by a compilation of the greater of the staked top of bank, long-term stable top of bank, limit of contiguous vegetation, meander belt, Regulatory Floodplain and limits of wetlands, in addition to the requisite buffers. Please ensure the preferred site considers the above to avoid impacts to the NHS and regulated features.	We have received the regulation mapping from TRCA, and will consider this in addition to the points above in the evaluation of the sites.	Refer to comment #4 above.	Refer to comment #4 above.	Refer to comment #4 above.	Refer to comment #4 above.	Refer to comments #2 and #4 above.
Stormwater Management							
7					At detailed design, please provide stormwater management measures that address the stormwater management criteria established through the Seaton MESPA, which are summarized below: <ul style="list-style-type: none"> <u>Quantity control</u>: The requirement is to control post-development flows to pre-development levels using established unit flow rates. TRCA's criteria for stormwater quantity control were updated as part of the 2012 Duffins Creek Hydrology Update, Aquafor Beech Ltd., which are available online (see link). Site 2 falls within sub-catchments 33 (see the unit flow rates from Table 5.2 in the attachment). https://trca.ca/wp-content/uploads/2016/07/2012-Duffins-Creek-Hydrology-Update.pdf 	As part of the site plan development process, Veridian will provide a stormwater management plan, as per TRCA's Stormwater Management Criteria. Low Impact Development Design Guidelines will be considered in the detailed design phase.	To be addressed at the site plan/detail design stage.

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					<ul style="list-style-type: none"> Stream erosion control and water balance: The requirement from the Seaton MESPA is extended detention of the 25 mm rainfall event for 120 hours, equivalent to 0.6 L/s/ha release rate and 250 m³/imp.ha storage, in all end-of-pipe SWMFs and retention of the first 5 mm of rainfall on-site through low impact design measures. Where it is not feasible to achieve the 25 mm extended detention criteria the 5 mm criteria must be achieved or vice versa. Quality Control: Enhanced level of control (80% TSS removal) as per the 2003 MOECC Stormwater Management Planning and Design Manual. Please note that TRCA only credits most oil grit separators at 50% TSS removal and a treatment train approach is required to meet the 80% TSS removal (refer to TRCA's Stormwater Management Criteria document for more information). <p>For general information and design guidance TRCA's Stormwater Management Criteria document and Low Impact Development Design Guidelines are available online:</p> <ul style="list-style-type: none"> http://sustainabletechnologies.ca/wp-content/uploads/2013/01/SWM-Criteria-2012.pdf http://www.sustainabletechnologies.ca/wp/wp-content/uploads/2013/01/LID-SWM-Guide-v1.0_2010_1_no-appendices.pdf 		
8					At detailed design, please provide detailed erosion and sediment control plans that meet TRCA's guidelines which are available online: https://conservationhamilton.ca/images/documents/pdf/ESCGuideline.pdf	Veridian and Hydro One will provide erosion and sediment control plans, as per TRCA's ESC Guideline (for Station and Line) within the context of detailed design and site plan approvals.	To be addressed at the site plan/detail design stage.
Geotechnical							
9					A geotechnical study including boreholes and all necessary analyses and assessments is required to support the proposed works. The geotechnical study should be presented within a geotechnical report submitted as signed	During detailed design, Veridian and Hydro One will undertake geotechnical studies, and provide them to TRCA as applicable.	To be addressed at the site plan/detail design stage.

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					and sealed by a Licensed Professional Engineer at the design stage.		
10					Where any valley slopes exist, a slope stability and erosion hazard assessment is required to ensure that the facilities and transmission line for the proposed undertaking is not undermined by an erosion hazard in the long-term and does not destabilize the slopes. The position of the Long-Term Stable Top of Slope needs to be delineated with a safety factor of 1.50 to define the setback required for facilities and lines together with a buffer to ensure new structures are not impacted by erosion hazards and slope failure in the long-term.	If required, Veridian and Hydro One will undertake slope stability studies.	As noted on site, a slope segment is located adjacent to the site. It is understood that given the vegetation limits there is some setback from the Top of Slope and, as a result, most likely an adequate setback from the slope and against erosion hazards. However, during the site plan/detail design stage, depending on what is being proposed, a detailed slope stability analysis may be required to confirm that the proposed station has no risk of being undermined by slope instability.
11					If any work is in proximity of a steep slope or valleys, the construction methodology and sequencing should be presented to ensure that the surrounding ground/slope is not adversely impacted during construction.	If required, Veridian and Hydro One will provide the construction methodology and sequencing.	Refer to the comment above. To be addressed at the site plan/detail design stage.
General Comments on the Draft ESR							
12					Table 5-2 indicates that "The line upgrade to Site #2 will cross a small wetland." Please confirm that this is not the wetland located just east of the proposed MTS.	Confirmed that this is not the wetland located just east of the MTS site.	The response states that this is not the wetland east of the MTS. Compensation and mitigation for impacts to the natural heritage system will need to be addressed at the detail design stage for any feature disturbance.
13					Figure 5-4 appears to show the old line tap configuration. Please revise to show the new line tap extending directly into the site and not into the wetland to the east.	Figure 5-4 will be revised to show the new line tap configuration extending directly into the site and not into the wetland to the east.	Figure 5-3 has been revised to show the new configuration.

Correspondence with Potentially Affected and Interested Persons and Interest Groups.

Correspondence for the Project for the following Potentially Affected and Interested Persons and Interest Groups follows.

- North Pickering Community Management Inc.

Roberts, Andrew

From: Glenn Pitura <glenn@arutip.com>
Sent: Tuesday, February 14, 2017 1:43 PM
To: Roberts, Andrew
Cc: 'Craig Smith'; Olivera.RADINOVIC@HydroOne.com
Subject: RE: Seaton Municipal Transformer Station Class EA: Project Update and Invitation to Public Information Centre
Attachments: Seaton_OB 9 to 17_Survey Area Estimate.pdf

Thanks Andrew.

A couple of things:

1. no longer represents the Seaton Landowners so you don't need to include him in the EA circulation, at least as it relates to the Seaton Landowners.
2. The Landowners are currently designing Overall Benefits Compensation work in the vicinity of Site 2 (See attached area in red). Our work will generally consist of creek improvements but we may also be using this area to plant trees as compensation for trees lost elsewhere in the development. Can you confirm that your work will not impact ours?

Thanks.

Glenn Pitura, P. Eng.

arutip engineering limited
25 william andrew avenue
Stouffville, on
L4A 3S4
416-708-2212

From: Roberts, Andrew [mailto:Andrew.Roberts@wspgroup.com]
Sent: Tuesday, February 14, 2017 12:52 PM
To: Glenn Pitura (glenn@arutip.com)
Cc: Craig Smith (csmith@veridian.on.ca); 'Olivera.RADINOVIC@HydroOne.com';
Subject: Seaton Municipal Transformer Station Class EA: Project Update and Invitation to Public Information Centre

Please see the attached updated Notice of Commencement and invitation to the Public Information Centre for the Seaton Municipal Transformer Station Class EA Study in Pickering. The ad will run in the Pickering News Advertiser on February 16, 2017 and February 23, 2017.

Should you have any comments or concerns about the Study, please contact me at your convenience.

Best Regards,



Andrew Roberts, M.A.Sc.
Team Leader – Approvals and Permitting, Environment

WSP Canada Inc.

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www.wspgroup.com

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Roberts, Andrew

From: Roberts, Andrew
Sent: Wednesday, February 22, 2017 10:39 AM
To: 'Glenn Pitura'
Cc: 'Craig Smith'; Olivera.RADINOVIC@HydroOne.com
Subject: RE: Seaton Municipal Transformer Station Class EA: Project Update and Invitation to Public Information Centre

Thanks for the update Glenn. We'll remove [redacted] from the cc list.

The proposed station and associated line tap and upgrades would not impact the area indicated in red on the map you attached.

Best regards,

Andrew



Andrew Roberts, M.A.Sc.
Team Leader – Approvals and Permitting, Environment

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Roberts, Andrew

From:
Sent: Wednesday, February 22, 2017 10:23 AM
To: Roberts, Andrew
Subject: Again? Re: Seaton Municipal Transformer Station Class EA: Project Update and Invitation to Public Information Centre

>>> Information 2017-02-15 8:16 AM >>>
Hello Mr Roberts

Do the transformer station sites 1 & 3 already exist? According to your map on the attached PDF you provided, they will be receiving "associated lines & upgrades"? However, it does not specify that they are "proposed", thus I assume they already exist?

PLS advise, thank you,

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This e-mail and any attachments may contain confidential and privileged information. Any use, disclosure, copying or dissemination of this information by a person other than an intended recipient is not authorized and may be illegal. If you are not an intended recipient, please notify the sender immediately by return e-mail, delete this e-mail and destroy any copies.

>>> "Roberts, Andrew" <Andrew.Roberts@wspgroup.com> 2017-02-14 1:00 PM >>>

Please see the attached Project Update and invitation to the Public Information Centre for the Seaton Municipal Transformer Station Class EA Study in Pickering. The ad will run in the Pickering News Advertiser on February 16, 2017 and February 23, 2017.

Should you have any comments or concerns about the Study, please contact me at your convenience.

Best Regards,



Andrew Roberts, M.A.Sc.
Team Leader – Approvals and Permitting, Environment

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Correspondence with Property Owners.

Correspondence for the Project with Property Owners follows.

Roberts, Andrew

From:

Sent: Wednesday, June 17, 2015 3:05 PM

To: Roberts, Andrew

Subject: wsp study Pickering

Dear Mr. Roberts,

I am writing in response to our telephone call this afternoon, in which I expressed concerns about the advisability of placing a transformer station so close our property and to that of the other homeowners who now live close to the study area, and who are not represented on the map.

In the official plan for Pickering there is to be substantial development South of Taunton Road in the area of Forbrock Road.

Please keep us informed of any open houses and input sessions.

Please also send a copy email to my husband's email address:

Sincerely,

Roberts, Andrew

From: Roberts, Andrew
Sent: Wednesday, June 17, 2015 3:50 PM
To:
Cc: Craig Smith (csmith@veridian.on.ca); martingaudi@yahoo.ca
Subject: RE: wsp study Pickering

Thanks for your note and your phone call today, . As we discussed, the 500 m buffer shown on the key map indicates an area of direct notification for the Project. The actual transformer station sites under consideration are approximately 200m by 100m in size.

Thank you for bringing the mapping to my attention. I've reviewed this with my team. It appears that our 2014 Land Information Ontario (LIO) database does not show some of the new subdivision roads yet. We see a group of developments including Carousel Drive, Penny Lane, Tillings Road etc. on Google Earth with 2015 imagery. While these properties are outside of the 500m direct notification area from a potential site, there will be a newspaper ad published shortly. As we continue with the study we'll be sure to include these developed and developing areas in our analysis of the Project.

We'd be pleased to keep you informed of the Study progress.

If you've got any additional questions or concerns, please contact me at your convenience.

Best regards,

Andrew



Andrew Roberts, M.A.Sc.
Team Leader – Approvals and Permitting, Environment

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We were GENIVAR. We are now WSP.

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Roberts, Andrew

From: Roberts, Andrew
Sent: Wednesday, June 17, 2015 3:50 PM
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We'd be pleased to keep you informed of the Study progress.

If you've got any additional questions or concerns, please contact me at your convenience.

Best regards,

Andrew



Andrew Roberts, M.A.Sc.
Team Leader – Approvals and Permitting, Environment

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We were GENIVAR. We are now WSP.

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Roberts, Andrew

From: Craig Smith <csmith@veridian.on.ca>
Sent: Tuesday, July 14, 2015 8:42 AM
To:
Cc: Lori Ellis; Roberts, Andrew
Subject: RE: Notice of Study Commencement Seaton Municipal Transformer Station Class Environmental assessment (EA) Study

Good morning

Perhaps there has been some confusion created in our notification regarding this project. The 500m radius shown in the notice of study commencement was intended to signify the radius from each site that we used to determine how many residents would be directly notified about the project. Beyond this distance from the proposed sites, only the general newspaper ad would inform the community of this work. The radius was not intended to suggest any sort of required minimum distance that must be kept from the site. My apologies if that is what you were lead to believe, based on our notice.

We will ensure you get a copy of the completed study.

Please let me know if you would like to discuss this further, or if I have misunderstood your questions. I would be happy to give you a call if that is convenient for you.

Regards

Craig

Craig Smith

Manager, Planning & Maintenance
55 Taunton Road East
Ajax, Ontario L1T 3V3

Tel: 905 427 9870 x 2236
Tel: 888 445 2881
Fax: 905 619 0210

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From:**Sent:** July-10-15 4:17 PM**To:** Craig Smith**Cc:** Lori Ellis**Subject:** RE: Notice of Study Commencement Seaton Municipal Transformer Station Class Environmental assessment (EA) Study

Hello Mr Smith,

Thank you for getting back to me.

My concern is due to the fact that the most south proposed station is within the 500 "buffer" zone of my home.

How do I obtain a copy of the ESR once it is available for public review?

PLS advise, thank you,

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>>> Craig Smith <csmith@veridian.on.ca> 2015-07-10 4:05 PM >>>

Hello

Per your question of 6/19/2015.

Electromagnetic interference (EMI) to communications equipment in relation to a proposed substation should be no more than what is associated with the existing overhead transmission lines. All of the electrical components that will form part of the substation will be specified to the appropriate CSA standards for high voltage equipment. As the proposed station sites are small (approximately 200 x 300 m), Veridian does not anticipate any significant interference with cellular service, over the air television or Wifi signals. I trust this information satisfies your request. Should it not, please let me know.

Regards.

Craig

Craig Smith
Operations Planning & Maintenance
55 Taunton Road East
Ajax, Ontario L1T 3V3

Tel: 905 427 9870 x 2236
Tel: 888 445 2881
Fax: 905 619 0210

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From: _____
Sent: July-05-15 3:26 PM
To: Craig Smith
Subject: Notice of Study Commencement Seaton Municipal Transformer Station Class Environmental assessment (EA) Study

Hello Mr. Smith,

I telephoned you on 15-06-19 @ 9:30 AM, to acquire additional info. As of yet you have not sent me any as we discussed?

PLS advise, thanks muchly,

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Roberts, Andrew

From: Craig Smith <csmith@veridian.on.ca>
Sent: Thursday, June 25, 2015 3:20 PM
To:
Cc: Roberts, Andrew
Subject: RE: mailing list for Seaton Municipal Transformer Station

Hello

Thank you for your interest in our project. We will add you to the mailing list.

Regards

Craig Smith

Craig Smith

Manager, Planning & Maintenance
55 Taunton Road East
Ajax, Ontario L1T 3V3

Tel: 905 427 9870 x 2236
Tel: 888 445 2881
Fax: 905 619 0210

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From:
Sent: June-25-15 3:18 PM
To: Craig Smith
Subject: mailing list for Seaton Municipal Transformer Station

Dear Mr. Smith,
I saw the "Notice of Study Commencement Environmental Assessment Study : Seaton Municipal Transformer Station" in the New Advertiser.

Please add me to the Project mailing list:

Thank You,

Roberts, Andrew

From: Roberts, Andrew
Sent: Thursday, November 10, 2016 9:10 AM
To:
Cc: Craig Smith (csmith@veridian.on.ca); Olivera.RADINOVIC@HydroOne.com; Dana.Gardner@HydroOne.com
Subject: Seaton Transformer Station Class EA Question

Good morning ,

Thanks again for your email. I apologize for the delay in responding.

Through an assessment of anticipated future electrical demand in North Pickering, Veridian has identified that building a new municipal power transformer station (Seaton MTS) would best serve the growing number of homes and businesses in the area. At this stage in the project, Hydro One and Veridian have initiated a Class Environmental Assessment, to evaluate three proposed station sites and their associated connection to Hydro One's high-voltage system.

Site 3, which you have referenced below, is one of the three sites that are being evaluated. The proposed location is on the east side of Dixie Road, north of the transmission tower corridor.

The Class EA Process is an important part of the planning phase of a project and assists in identifying environmental considerations and their appropriate mitigations, detailed engineering details and potential project effects related to business and residential property owners, environmentally sensitive areas, etc.

While it is expected that some vegetation removal may be required at each of the three proposed sites, the EA process will help us better understand this.

Over the next few months, Veridian and Hydro One will be conducting field studies of environmental features, reviewing resources from literature reviews, mapping reports and technical reports as well as conducting consultation with municipal and provincial government officials and agencies, First Nations communities and potentially affected and interested persons. All of this will contribute to determining a preferred site location and its connection.

In the [new year](#), we will be holding a second PIC to present the preferred option. At this time, we will have a better understanding of the potential project effects which you have described below. I would encourage you to attend this session and will ensure you are notified of the meeting date.

Following the second PIC, a draft environmental study report will be released for a 30-day public review and comment period. While you are always welcome to reach out to our team, the review period will provide an additional opportunity to provide your concerns once you review the report. Following the review period, a final version of the report will be filed with the Minister of the Environment and Climate Change.

Contingent on the outcome of the Class EA Process, we expect construction could begin in Fall 2017.

If you have any further questions, please don't hesitate to let me know.

Best regards,

Andrew

Roberts, Andrew

From: >
Sent: Sunday, October 30, 2016 5:15 PM
To: Roberts, Andrew
Subject: Seaton Municipal Tranformer Station (MTS) Site 3 (CWTS)

Follow Up Flag: Follow up
Flag Status: Flagged

RE: Pulbic Information Centre Wednesday November 2, 2016 6:30pm Veridian Connections Inc 55 Tauton Road East Ajax, ON

Dear Mr. Roberts

I am unable to attend the upcoming infomation session but would like to express my concerns about the station Potential Site 3 (CW TS). It's placement beside the rail line including the large tressel is a concern. I also feel the the neighbourhoods surrounding this site have had enough encroachment and negative side effects of the upcoming Seaton Development. What is this going to do to the value of our homes? What eye sore will we subjected to. Was the clearance of the station on Dixie not enough?

Many use this area as access to the park and surrounding hiking trails. What will this do to these access points?

What about the property owner trying to keep bees right at this junction of Concession 3 and Dixie? Bees are now a headliner with it's deep decline. 7 types of bees have been placed on the endangered species list. How might this effect his collection?

I for one, am against Site 3 as a selection. I would like to be kept informed on the proceedings and advised when the next session to be held in early 2017 is confirmed.

Sincerely

Roberts, Andrew

From: Roberts, Andrew
Sent: Thursday, November 10, 2016 9:14 AM
To:
Cc: Craig Smith (csmith@veridian.on.ca); Olivera.RADINOVIC@HydroOne.com; Dana.Gardner@HydroOne.com
Subject: RE: Seaton Municipal Transformer Station (MTS) Site 3 (CWTS)
Attachments: Seaton PIC Panels.pdf

Dear

Thank you for your email and interest in the project.

Through an assessment of anticipated future electrical demand in North Pickering, Veridian has identified that building a new municipal power transformer station (Seaton MTS) would best serve the growing number of homes and businesses in the area. At this stage in the project, Hydro One and Veridian have initiated a Class Environmental Assessment, to evaluate three alternative station sites and their associated connection to Hydro One's high-voltage system.

The Class EA process will assist us in identifying environmental considerations and their appropriate mitigations, engineering details as well as potential project effects related to business and residential property owners, recreational resources, environmentally sensitive areas and a number of other factors. We will seek to better understand some of the concerns you've identified below such as the impact on access to hiking trails.

Over the next months, Veridian and Hydro One will be conducting field studies of environmental features, reviewing resources from literature reviews, mapping reports and technical reports as well as conducting consultation with municipal and provincial government officials and agencies, First Nations communities and potentially affected and interested persons. With that in mind, knowledge from residents like yourself is a very valuable part of our study.

The next step of the process will be to evaluate each of the three sites more closely and weigh them according to criteria to determine a preferred option. In the new year, we will be holding a second PIC to present the preferred option.

In the interim I have attached the information panels which were on display throughout the evening. I have also added you to our project mailing list and will ensure you are informed as we move through the Class EA process.

Following the second PIC, a draft environmental study report will be released for a 30-day public review and comment period. While you are always welcome to reach out to our team, the review period will provide an additional opportunity to provide your concerns once you review the report and studies. Following this period, a final version of the report will be filed with the Minister of the Environment and Climate Change.

Thank you,

Andrew



Andrew Roberts, M.A.Sc.
Team Leader – Approvals and Permitting, Environment

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-----Original Message-----

From: _____

Sent: Friday, November 04, 2016 12:16 PM

To: GARDNER Dana

Subject: Re: Question

Hello Dana as per our conversation below, I haven't heard from anyone as of yet.

I am very concerned and worried as to what will happen.

Can you please follow up on these questions for me?

Thank you so much for your help I this matter.

Regards,

Sent from my iPhone

> On Oct 28, 2016, at 8:57 AM, <Dana.Gardner@HydroOne.com> <Dana.Gardner@HydroOne.com> wrote:

>

> Good morning ,

>

> Thank you for your email and your interest in the project. I have shared your concerns with our project team and will follow-up shortly with further information.

>

> Many thanks,

>

> Dana Gardner

> Community Relations

> Hydro One

>
> -----Original Message-----
> From: _____
> Sent: Tuesday, October 25, 2016 8:03 PM
> To: COMMUNITY Relations
> Cc:
> Subject: Question
>
> Hello I just received a notice with regards to the new transformer station off of Dixie Rd.
>
> My questions are:
>
> Where exactly on Dixie will this station be installed?
>
> If it's behind the large trees north of Gossamer Drive would the trees be removed?
>
> When is this project scheduled for?
>
> I live on Gossamer Drive and going through the eye soar after the trees were removed from the west side of Dixie north of Gossamer...,my house backs on to the hydro field on Dixie north of Gossamer.
>
> I really need these answers ASAP if this will be a total eye soar I will definitely move.
>
> Thank you for your time in this matter
>
> Regards,
>
>
> Sent from my iPhone

Roberts, Andrew

From:
Sent: Wednesday, February 22, 2017 10:23 AM
To: Roberts, Andrew
Subject: Again? Re: Seaton Municipal Transformer Station Class EA: Project Update and Invitation to Public Information Centre

>>> Information 2017-02-15 8:16 AM >>>
Hello Mr Roberts

Do the transformer station sites 1 & 3 already exist? According to your map on the attached PDF you provided, they will be receiving "associated lines & upgrades"? However, it does not specify that they are "proposed", thus I assume they already exist?

PLS advise, thank you,

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>>> "Roberts, Andrew" <Andrew.Roberts@wspgroup.com> 2017-02-14 1:00 PM >>>

Please see the attached Project Update and invitation to the Public Information Centre for the Seaton Municipal Transformer Station Class EA Study in Pickering. The ad will run in the Pickering News Advertiser on February 16, 2017 and February 23, 2017.

Should you have any comments or concerns about the Study, please contact me at your convenience.

Best Regards,



Andrew Roberts, M.A.Sc.
Team Leader – Approvals and Permitting, Environment

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C +1 647-821-2734

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Please consider the environment before printing...

From: Roberts, Andrew

Sent: Wednesday, February 22, 2017 10:36 AM

To:

Cc: Craig Smith (csmith@veridian.on.ca) <csmith@veridian.on.ca>; 'Olivera.RADINOVIC@HydroOne.com' <Olivera.RADINOVIC@HydroOne.com>

Subject: RE: Again? Re: Seaton Municipal Transformer Station Class EA: Project Update and Invitation to Public Information Centre

Good morning, . My apologies for not answering sooner.

None of the sites considered currently have a transformer station on them. There is a larger, different kind of transformer station immediately west of Site #3 that Hydro One operates called Cherrywood TS.

I hope that answers your question.

Best regards,

Andrew



Andrew Roberts, M.A.Sc.

Team Leader – Approvals and Permitting, Environment

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