

Snowmobilers

Stephanie Hodsell

From: Dennis Lendrum [REDACTED]
Sent: Friday, March 04, 2011 5:31 PM
To: Mark Holmes
Cc: Vanesa Enskaitis; Stephanie Hodsell; Judy Leavitt; Patrick Gillette
Subject: RE: Wabagishik Rapids Power Dam

Categories: Logged, Public

Mark

Thank you for the timely response.

I am very interested in joining you in advance of the public meeting on March 22.

Can you provide me with the location and times?

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Yours in Safe Snowmobiling Always

www.rcsasnow.com

Dennis Lendrum

--- On Fri, 3/4/11, Mark Holmes <mholmes@xeneca.com> wrote:

From: Mark Holmes <mholmes@xeneca.com>

Subject: RE: Wabagishik Rapids Power Dam

To: "Dennis Lendrum" [REDACTED]

Cc: "Vanesa Enskaitis" <VEnskaitis@xeneca.com>, "Stephanie Hodsell" <SHodsell@xeneca.com>,

"Judy Leavitt" <jleavitt@xeneca.com>, "Patrick Gillette" <pgillette@xeneca.com>

Received: Friday, March 4, 2011, 4:35 PM

Denis:

Thank you very much for your e-mail and interest in the Wabagishik project.

We can assure you at this point there will be no impact on the bridge you have referenced. We are well aware of the structure and its proximity to the project.

If you would like to speak further about this concern or any of the other points you have raised in your letter, please do not hesitate to give me a call at any of the numbers listed in the signature line below.

Also we want you to know we will be in Espanola on March 22 to host a public meeting on this project and invite you to join us in advance of that meeting to go over maps, project concepts and provide you with the

opportunity to speak to our engineers and other professional staff.

Very best regards,

Mark Holmes

Vice President

Corporate Affairs

Xeneca Power Development

5160 Yonge St.

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return e-mail and delete this message from your system. Xeneca Power Development Inc.

From: Dennis Lendrum [mailto: [REDACTED]]
Sent: March 4, 2011 10:35 AM
To: Mark Holmes
Cc: Vanesa Enskaitis; Stephanie Hodsoll; Judy Leavitt
Subject: Wabagishik Rapids Power Dam

Please read the attached letter and respond. ASAP

There is Nothing Stronger than the Heart of a Volunteer

Yours in Safe Snowmobiling Always

www.rcsasnow.com

Dennis Lendrum



Rainbow Country Snowmobile Association

Volunteer President & Volunteer General Manager: Dennis Lendrum

22 Syroid St Espanola, ON P5P 1G4

705-869-0164 email: dawdasno@yahoo.ca

Secretary Treasurer: Betty Heis

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Visit our Website at www.rcsasnow.com

Xeneca Power Development Inc.

March 4th, 2011

As the Volunteer President & General Manager of Rainbow Country Snowmobile Association and the Volunteer President of the Espanola & District Snowmobile Club, it has been brought to my attention that your company plans on building a power generation dam, very close to our Snowmobile Only Bridge that crosses the Vermillion River.

After reviewing the information and maps which are on:

http://www.xeneca.com/projects/current_projects/vermillion.html I have a few corrections and concerns.

- What is identified as "Existing Bridge" on your map is actually the Vermillion River Snowmobile Only Bridge.???
- What is identified as "Existing Local Road" on your map on both side of the Vermillion River Snowmobile Only Bridge is actually the OFSC C-108-D Snowmobile Trail built and maintained by Volunteers of the local snowmobile clubs.???
- Can you please make these corrections on your maps.
- How will this Power Dam Project affect our OFSC Snowmobile Trails and Snowmobile Only Bridge during construction and in the future???
- Has your company contacted the Ontario Federation of Snowmobile Clubs about these Power Dams, across the province as they may create problems for the official ice crossing trails that are located close to where the dams may be built???

This is a main link snowmobile trail between the communities of Nairn Centre and Espanola. The construction of the bridge and trail ended up costing our local snowmobile clubs over \$229,000.00 and thousands of Volunteer Hours several years ago.

So obviously we have great concerns with your plan, especially since we have not been contacted by your company as interested stakeholders.

Can I get an email reply with your comments on the concerns/corrections that I have listed above???

Can both Betty and I be added to your information list???

Thank you:

Yours in Safe Snowmobiling Always

There is Nothing Stronger than the Heart of a Volunteer

Dennis Lendrum

Stephanie Hodson

From: Mark Holmes
Int: Monday, March 14, 2011 6:24 PM
To: Stephanie Hodson
Subject: FW: Wabagishik Rapids Project and Wanapitei River /Allen & Struthers Twp.
Categories: Logged, Public

Here's the letter I was referring to which needs to be answered prior to the Wabageshik PIC

Dennis was copied on the letter.

Thanks

Mark

From: Lloyd [mailto:]
Sent: March 9, 2011 7:54 PM
To: Mark Holmes
Cc: Norm Hein; Dennis Lendrum
Subject: Wabagishik Rapids Project and Wanapitei River /Allen & Struthers Twp.

Mark

I have just reviewed the above projects and have some questions that I cannot find the answers for in your info packages.

Wabagishik

1. The map plan shows you using the existing road, which is a SNOWMOBILE trail built by the RCSA and OFSC for snowmobiling.

What assurance do we have that we will still have access and that the trail will be in as good or better condition.

If work continues during the winter months, will you ensure that there is adequate snow left on the trail for snowmobile travel?

Or widen the existing trail to accommodate us, all the above at no cost to us.

2. The proposed dam is to be constructed downstream from our SNOWMOBILE bridge, with the limit of back-up water up stream from the bridge.

How much higher will the water be increased at the exact location of the Snowmobile bridge?

If the water level is to be increased to any significant depth, what steps will you take to ensure that the bridge piers are protected from ice and high water.

Should there be damage to the bridge or piers from ice dam build up will XENECA accept liability?

Wanapitei River, Allen & Struthers Twps.

1. On your access map you indicate that you will be accessing the proposed dam from the South side of the Killarney Highway approximately 1 km. west to the Wanapitei River Highway bridge.

The local club has been using this old highway road and a section of logging road for a number of years, Clearing windfalls, keeping brush cut back.

Will you continue to leave us access in the current condition or better for snowmobiling?

Lloyd
Governor
OFSC D-12

Questions for Lloyd Myllynen, Governor/President District 12 Ontario Federation of Snowmobile Clubs

Wabagishik Rapids, Vermilion River

- 1. The map plan shows you using the existing road, which is a SNOWMOBILE trail built by the RCSA and OFSC for snowmobiling. What assurance do we have that, we will still have access and that the trail will be in as good or better condition. If work continues during the winter months, will you ensure that there is adequate snow left on the trail for snowmobile travel? Or widen the existing trail to accommodate us, all the above at no cost to us.**

Xeneca will work with the snowmobile club and association to ensure trails routes are maintained. While we do not believe there will be significant impact, should there be any effect on any existing trails Xeneca will work with the club to ensure an alternative route is created with as little disruption to trail riders as possible. If, through our project, there are means to improve snowmobile access and safety we would be pleased to work with your organization.

We want to assure you we will seek means to improve the existing snowmobile trails. We are willing to work with you on this and help to maintain or improve the present snowmobile trail.

- 2. The proposed dam is to be constructed downstream from our SNOWMOBILE bridge, with the limit of back-up water upstream from the bridge. How much higher will the water be increased at the exact location of the Snowmobile bridge? If the water level is to be increased to any significant depth, what steps will you take to ensure that the bridge piers are protected from ice and high water? Should there be damage to the bridge or piers from ice dam build up will XENECA accept liability?**

There will be minimal increase in water elevation below the snowmobile bridge. Hydraulic modeling of that reach of the river is being done at the moment. We will make sure that flood flow up to 1:100 year return period will safely pass under the bridge with the proposed dam/weir downstream. It is highly unlikely that there will be any ice-jam formation but this issue will be reviewed and incorporated in the project design process.

Allen & Struthers, Wanapitei River

- 1. On your access map you indicate that you will be accessing the proposed dam from the South side of the Killarney Highway approximately 1 km. west to the Wanapitei River Highway bridge. The local club has been using this old highway road and a section of logging road for a number of years, clearing windfalls, keeping brush cut back. Will you continue to leave us access in the current condition or better for snowmobiling?**

See answer to Wabagishik question #1.

Stephanie Hodsoll

From: Dennis Lendrum [REDACTED]
Sent: Wednesday, March 23, 2011 1:56 PM
To: Mark Holmes; Stephanie Hodsoll
Subject: EDSC questions and recommendations March 23, 2011
Attachments: Mark Holmes (Xeneca) March 23, 2011.doc

Follow Up Flag: Follow up
Flag Status: Flagged

Categories: Public, Logged

Mark

March 23, 2011

Attached are the Espanola and District Snowmobile Club questions and recommendations.

I will ask the Ontario Federation of Snowmobile Clubs, to relay any questions they may have through me. I cannot foresee any major issues.

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www.rcsasnow.com

Dennis Lendrum



Rainbow Country Snowmobile Association

Volunteer President & Volunteer General Manager: Dennis Lendrum

Secretary Treasurer: Betty Hels

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Phone/Fax: 705-377-5158 email: heisbd@gmail.com

Visit our Website at www.rcsasnow.com

Mark Holmes

March 23, 2011

It was a pleasure to meet and speak with you yesterday at the Public Consultation Meeting at the Espanola Recreation Complex.

As I had said, many volunteers have spent countless hours in creating a Safe Snowmobile Trail from Espanola to Nairn Centre which includes the Vermillion River Snowmobile Bridge and the Elizabeth Lake Bridge.

The Vermillion River Snowmobile Bridge was engineered and designed for the river in its present condition. There was never any thought in the engineering process or design to accommodate a flooded area under the bridge, as your dam will be creating.

Questions:

- Will the present bridge be used by your company during construction or during maintenance in years to come???
- Who will inspect the bridge, piers and banks to ensure the safety of all snowmobilers for years to come???
- If upgrades are needed who will do them???
- Who and how often will the bridge, piers and banks be inspected???
- Will these inspection reports be provided to the local Espanola & District Snowmobile Club along with the Ontario Federation of Snowmobile Clubs???

The Elizabeth Lake Bridge was engineered and designed for snowmobile use and only has a 5 ton maximum limit on it.

Questions:

- Will the present bridge be used by your company during construction or during maintenance in years to come???
- Who will inspect the bridge, piers and banks to ensure the safety of all snowmobilers for years to come???
- If upgrades are needed who will do them???
- Who and how often will the bridge, piers and banks be inspected???
- Will these inspection reports be provided to the local Espanola & District Snowmobile Club along with the Ontario Federation of Snowmobile Clubs???

Recommendations:

- That we sit down and discuss how the Elizabeth Lake Bridge and the trail to the Vermillion River Snowmobile Bridge will be used.
- That your displays on the (website/public meetings) identify the OFSC C-108-D Snowmobile Trail be properly identified.
- That the Vermillion River Snowmobile Bridge be properly identified.
- Contact the Private landowner(s) along this route.
- If you or your people are going to the site, myself or one of our club volunteers are prepared to go by ATV to the site.

I will be sharing this letter and hopefully your answers with the members of the Espanola & District Snowmobile Club at our next regular meeting on April 14th, 2011 as this entire site falls under this clubs trail system.

I will also be sharing this letter and hopefully your answers with the member clubs of Rainbow Country Snowmobile Association at the May meeting.

I am the Volunteer President of both of the above organizations.

A copy will also be sent to the Provincial Organization (OFSC) Ontario Federation of Snowmobile Clubs as they have invested a lot of money into providing safe snowmobile trails for all riders to enjoy.

At the end of the day all we are interested in, is having a safe snowmobile trail during the winter months.

After speaking with you, I am sure that both of our interests can be addressed.

Thank you:

Yours in Safe Snowmobiling Always

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Dennis Lendrum

Stephanie Hodsell

From: Stephanie Hodsell
Sent: Thursday, April 14, 2011 3:36 PM
To: Dennis Lendrum
Cc: Mark Holmes
Subject: RE: Wabagishik Rapids PIC Panels (April 12, 2011)

Categories: Public, Logged

April 14, 2011

Hi Dennis,

We are glad to help and want to assure you that we will continue to work with your club. If any more questions arise at tonight's meeting please pass them along.

I will let our engineers know that you have the folder re. the construction of the C-108-D trail & bridges.

Enjoy the last meeting of the season this evening!

Yours truly,
Steph

Stephanie Hodsell
Public Affairs Liaison
Xeneca Power Development
5160 Yonge St., Suite 520
North York, ON M2N 6L9
T: 416-590-9362 X 112
F: 416-590-9955
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From: Dennis Lendrum [mailto:pawpasno@yahoo.ca]
Sent: Thursday, April 14, 2011 8:18 AM
To: Stephanie Hodsell
Cc: Mark Holmes
Subject: RE: Wabagishik Rapids PIC Panels (April 12, 2011)

Thank you Stephanie

April 14, 2011

I will email/print off the questions along with your answers and give copies to the membership this evening. I will share their comments with you and assume that once definite answers are available to the other questions/concerns, that I will share them also.

Now at least the membership will see that your company is willing to work with the local snowmobile club. As I have said, members have volunteered a lot of their time and resources over many years to ensure the safest possible snowmobile seasons for their families and others to enjoy.

I do have a complete folder on the entire construction of the C-108-D Snowmobile Trail and the Snowmobile Bridges between Espanola and Nairn.

Together we can make this work in the best interest of both groups.

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Dennis Lendrum

--- On Wed, 4/13/11, Stephanie Hodsohl <SHodsohl@xeneca.com> wrote:

From: Stephanie Hodsohl <SHodsohl@xeneca.com>
Subject: RE: Wabagishik Rapids PIC Panels (April 12, 2011)
To: "Dennis Lendrum" <pawpasno@yahoo.ca>
Cc: "Mark Holmes" <mholmes@xeneca.com>
Received: Wednesday, April 13, 2011, 4:43 PM

April 13, 2011

Hi Dennis,

Thank you for the follow-up. The PIC panel e-mail I sent out yesterday was a blast to all stakeholders, and I want to assure you that we have been working on answering your questions from March 23.

We appreciate your patience while we work to get accurate and complete answers for you and the Rainbow Country Snowmobile Association. I have also passed along your recommendations to the appropriate staff members.

Please find attached the answers to your questions. We hear your concerns regarding your snowmobile trails and will continue to work with you and the Club to address these.

We hope these will be useful to share with your members at tomorrow's meeting.

Please do not hesitate to contact me at any time if you have more questions or concerns to raise.

Have a nice evening!

Yours truly,

Steph

Stephanie Hodsoll

Public Affairs Liaison

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From: Dennis Lendrum [mailto:pawpasno@yahoo.ca]
Sent: Tuesday, April 12, 2011 6:29 PM
To: Stephanie Hodsoll
Cc: Vanesa Enskaitis; Mark Holmes
Subject: Re: Wabagishik Rapids PIC Panels (April 12, 2011)

Hi Stephanie

Thank you for the email, but I do not see the questions & comments addressed that I have asked on behalf of the Espanola & District Snowmobile Club via email March 23, 2011.

I was sure hoping that these questions and comments would have been addressed by Xeneca before the final club meeting April 14, 2011 of the season. This would have shown the membership that Xeneca are willing to work with the local club.

The next club meeting will not happen until September 8th, 2011 so if any activity happens rumors will start and those are never good for anybody.

Several snowmobilers were invited including myself to and attended a meeting put on by Vermillion River Alliance. The Provincial OFSC was contacted also.

I have explained what was discussed with several of my members and several of them attended the Public Consultation meeting at the recreation complex.

We EDSC do not share their concerns.

Non of our S/C members have any real problems with the dam, the only real concerns we have is what will happen to our snowmobile trail during the winter months?

Plus there is a lot of concern about your company not wanting to identify our trails on your maps.

As always in the province the local snowmobile club has the voice for the local trails.

If the questions and concerns asked in the March 23, 2011 email can be addressed before the meeting, then the members can answer any rumors over the summer months.

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Dennis Lendrum

--- On Tue, 4/12/11, Stephanie Hodsoll <SHodsoll@xeneca.com> wrote:

From: Stephanie Hodsoll <SHodsoll@xeneca.com>

Subject: Wabagishik Rapids PIC Panels

To: "Stephanie Hodsoll" <SHodsoll@xeneca.com>

Received: Tuesday, April 12, 2011, 3:01 PM

April 12, 2011

Good afternoon!

We have updated the Xeneca website with the panels that were displayed at the Wabagishik Rapids Public Information Centre (PIC) on March 22 in Espanola.

Please click [here](#) to view this information.

If you have any questions or comments, please let us know.

Thank you for your ongoing interest in this project.

Yours truly,

Steph

Stephanie Hodsoll

Public Affairs Liaison

Xeneca Power Development

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Answers to Rainbow Country Snowmobile Association Questions from March 23, 2011

Vermillion River Snowmobile Bridge

- 1. Will the present bridge be used by your company during construction or during maintenance in years to come?**

It's not our current intention to use the deck of the snowmobile bridge for either construction or future vehicular traffic.

- 2. Who will inspect the bridge, piers and banks to ensure the safety of all snowmobilers for years to come?**

Given the existence of the bridge, piers and abutments located on either side of the river upstream from our project, we will run some preliminary hydraulic models to determine if there will be any changes from the existing flows on and around these features. We will engage the snowmobiling community with our findings when they are completed. This review exercise may require copies of the existing drawings and elevations of the bridge should they exist, or alternatively some local surveying near the site.

Any assistance with locating these would be appreciated.

- 3. If upgrades are needed who will do them?**

This cannot be answered until further study has been completed.

- 4. Who and how often will the bridge, piers and banks be inspected?**

This cannot be answered until further study has been completed.

- 5. Will these inspection reports be provided to the local Espanola & District Snowmobile Club along with the Ontario Federation of Snowmobile Clubs?**

Any reports that are completed will be shared with the Clubs.

Elizabeth Lake Bridge

The access will not be studied until summer 2011. We will share any updates regarding this bridge as they become available.

April 13, 2011

Answers to Rainbow Country Snowmobile Association Questions from March 23, 2011

Vermilion River Snowmobile Bridge

- 1. Will the present bridge be used by your company during construction or during maintenance in years to come?**

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- 5. Will these inspection reports be provided to the local Espanola & District Snowmobile Club along with the Ontario Federation of Snowmobile Clubs?**

Any reports that are completed will be shared with the Clubs.

Elizabeth Lake Bridge

The access will not be studied until summer 2011. We will share any updates regarding this bridge as they become available.

April 13, 2011



5255 Yonge St., Suite 1200, North York, ON M2N 6P4
tel 416-590-9362 fax 416-590-9955 www.xeneca.com

November 8, 2011

Mr. Dennis Lendrum
Rainbow Country Snowmobile Association

Dear Dennis,

Thanks again for your time and comments regarding our Wabagishik Rapids waterpower project on the Vermilion River. Your input and insights are valuable in ensuring the project is built and operates in a manner that does not unduly impact stakeholders, among whom are snowmobilers.

As discussed at our October 20 Public Information Centre in Espanola, we are aware of the snowmobile bridge upstream of our project location. Based on the work and modeling we have done so far, our engineers believe there will be minimal effects on the bridge due the proposed Wabagishik Rapids project operation, even in the extreme flood condition (100 year return period flood.)

We will further ensure accuracy by sending an engineering team to the site for additional on-the-ground evaluation. Given the potential for ice build-up and damage to bridge piers, Xeneca will also investigate the need for reinforcement of the structure. If improvement in the structure is required, Xeneca will undertake the work at its own cost.

We ask for continued input from the snowmobile community and for club consensus on any work that may need to be done to the bridge.

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

Very best regards,

A handwritten signature in dark ink, appearing to read 'Mark Holmes', is written over a light blue circular stamp.

Mark Holmes
Vice President, Corporate Affairs
Xeneca Power Development
416-590-9362
647-588-9707 (cell)
mholmes@xeneca.com

Muriel Kim

From: Stephanie Hodson <SHodson@xeneca.com>
Sent: July-23-12 3:58 PM
To: Muriel Kim; Kai Markvorsen
Subject: Wabagishik snowmobilers
Attachments: Letter to Wabagishik snowmobilers_23july12.pdf

FYI – here's some new communication with the snowmobiling community.
Steph

Stephanie Hodson
Stakeholder Relations
Xeneca Power Development
5255 Yonge St., Suite 1200
North York, ON M2N 6P4
(416) 590-3077

From: Stephanie Hodson
Sent: Monday, July 23, 2012 3:52 PM
To: Dennis Lendrum
Cc: Betty Heis; Suzie Belanger
Subject: RE: Invitation to Xeneca's Wabagishik Rapids (Vermilion River) Public Information Centre

July 23, 2012

Hi Dennis,

Thanks for your patience. Please find attached a commitment letter from Mark Holmes. You will also be receiving a hard copy in the mail for your records.

We'll hope that your club will pass a motion in the fall to support our project. Thanks again for your ongoing cooperation and input into the project.

We look forward to seeing you at the PIC on Wednesday.

Cheers,
Steph

Stephanie Hodson
Stakeholder Relations
Xeneca Power Development
5255 Yonge St., Suite 1200
North York, ON M2N 6P4
(416) 590-3077

From: Dennis Lendrum [<mailto:pawpasno@yahoo.ca>]
Sent: Wednesday, July 11, 2012 12:56 AM

To: Stephanie Hodsoll

Subject: Re: Invitation to Xeneca's Wabagishik Rapids (Vermilion River) Public Information Centre

Stephanie

I will be attending and I am inviting other local snowmobilers. From what we have seen and been assured (verbally), It would be a lot better if I could get this assurance in writing "that our snowmobile bridge will be completely protected so that snowmobilers can use it as continual part of our Provincial Snowmobile Trail System for years to come".

As the bridge design was never engineered for high water levels that you will be creating and we cannot afford to have it re-certified if that is required. I am sure that the OFSC Insurance Company will be looking at that once they see the changes to the water flows. Maybe not.

If a re-certification is ever required, would your company be prepared to provide it???

Then I could have this on our September Agenda for discussion with all members in attendance and officially make a motion to support the project.

If I can get this type of motion passed and I am sure I can with a support letter. Then I am sure that I can offer any assistance from the snowmobile club within reason on assisting your company.

From previous discussions that I have had with some of our members, There was no objection from these members, several questions were asked and said I would try to get answers.

There is Nothing Stronger than the Heart of a Volunteer

Yours in Safe Snowmobiling Always

www.rcsasnow.com

Dennis Lendrum

705-869-0164

--- On Tue, 7/10/12, Stephanie Hodsoll <SHodsoll@xeneca.com> wrote:

From: Stephanie Hodsoll <SHodsoll@xeneca.com>

Subject: Invitation to Xeneca's Wabagishik Rapids (Vermilion River) Public Information Centre

To: "Stephanie Hodsoll" <SHodsoll@xeneca.com>

Received: Tuesday, July 10, 2012, 3:01 PM

July 10, 2012

Good afternoon,

Xeneca would like to invite you to our upcoming Public Information Centre (PIC) for the Wabagishik Rapids waterpower project on the Vermilion River.

This is a third PIC, following Wabagishik PICs in March and October 2011. You will have the opportunity to learn more about the project with results of additional field studies conducted in 2011 through spring 2012.

The PIC will be held at the Espanola Recreation Complex from 4 – 8 p.m on July 25th, 2012.

The advertisement for the PIC will be printed in the Midnorth Monitor on July 11 & 18 and the Sudbury Star on July 14 & 18 in both English and French. Copies of the advertisement are attached and can also be found at <http://www.xeneca.com/home/Latest%20Updates/updates.html>.

Members of the project team (Xeneca staff & consultants) will be on hand for the event to provide information on the project and to answer questions from the attendees. It will be an open house format, rather than a formal presentation. Maps and informational panels (both process-related and project-specific) will be on display.

Should you require additional information, please let me know.

We hope to see you at the PIC!

Yours truly,

Steph

Stephanie Hodsoll

Stakeholder Relations

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July 23, 2012

Mr. Dennis Lendrum
Rainbow Country Snowmobile Association; Espanola & District Snowmobile Club
182 Syroid St.
Espanola, ON P3E 1G4

Dear Dennis,

Following up on the request from your association, Xeneca is using this letter to formally commit to the integrity maintenance of the snowmobile bridge in the vicinity of including the Wabagishik Rapids project.

The commitment is to ensure that, if the bridge is damaged due to construction or operational activities, Xeneca will repair the bridge.

If engineering re-certification of the bridge is ever required, Xeneca will work with the snowmobiling community to ensure that it is completed in a timely, cost effective manner.

We look forward to continuing a strong and mutually beneficial relationship your snowmobiling association and its members.

Very best regards,

A handwritten signature in black ink, appearing to read 'Mark Holmes', is written over a light blue horizontal line.

Mark Holmes
Vice President, Corporate Affairs
Xeneca Power Development
416-590-9362 (office) / 647-588-9707 (cell)
mholmes@xeneca.com

Attachment 1: Water Level Information

The following table provides water level information for the wide and shallow section of river located immediately downstream of the proposed project. Level information is provided for each month of the year and shown for typical average flow conditions as well as low flow conditions. The values are based on bathymetric surveys and hydraulic modeling carried out for the area.¹ The values pertain to hydraulic section "-0+219", located approximately 475 metres downstream of the proposed dam site and in close proximity to the recreational property of interest.

Table 1 : Normal Water Levels 475 m Downstream of Proposed Dam

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average Flow (m ³ /s)	24.4	18.7	33.0	149.4	111.2	45.3	26.5	15.5	17.1	34.9	50.1	41.9
Average Water level (mMSL)	198.40	198.26	198.56	199.76	199.46	198.75	198.44	198.19	198.23	198.59	198.81	198.70
Low flow (Q95) (m ³ /s)	9.7	8.3	10.5	29.4	28.9	16.0	6.7	4.5	3.2	4.9	10.4	11.8
Low Flow Water Level (mMSL)	198.09	198.06	198.10	198.50	198.50	198.20	198.04	198.02	198.01	198.02	198.10	198.12
Average to Low Level Change (m)	0.31	0.20	0.46	1.26	0.96	0.55	0.40	0.17	0.22	0.57	0.71	0.58

Note: Water levels shown are at surveyed section "- 0+219" as calculated in steady state HEC RAS model Report

¹ Canadian Projects Limited, March 19, 2012, "Ontario South Hydro HEC-RAS Inundation Mapping Vermillion River" – Wabageshik Rapids, Letter Report, File 1052-001-3.1.3

Muriel Kim

Subject: FW: EDSC approval motion for Xeneca October 11th, 2012
Attachments: Xeneca approval letter October 11th, 2012.doc

From: Dennis Lendrum [mailto:pawpasno@yahoo.ca]
Sent: Thursday, October 11, 2012 10:44 PM
To: Betty Heis; Suzie Belanger; Stephanie Hodsoll
Cc: Nava Pokharel; Mark Holmes
Subject: EDSC approval motion for Xeneca October 11th, 2012

Stephanie October 11th, 2012

I am sorry that we were not able to pass any motions at the September club meeting as we did not have enough members in attendance. First time ever.

I am happy to inform you that we had lots of members show up at tonights meeting and there were no objections to the attached motion.

I printed off copies of Mark Holmes 8/27/12 email and shared with everybody in attendance and all felt comfortable with what was said in the email.

Hopefully this helps your project.

There is Nothing Stronger than the Heart of a Volunteer
Yours in Safe Snowmobiling Always
Dennis Lendrum

--- On Thu, 10/11/12, Stephanie Hodsoll <SHodsoll@xeneca.com> wrote:

From: Stephanie Hodsoll <SHodsoll@xeneca.com>
Subject: RE: Letter of Support (More info needed August 20, 2012)
To: "Dennis Lendrum" <pawpasno@yahoo.ca>, "Betty Heis" <heisbd@amtelecom.net>, "Suzie Belanger" <yamasuzie@yahoo.com>
Cc: "Nava Pokharel" <NPokharel@xeneca.com>, "Mark Holmes" <mholmes@xeneca.com>
Received: Thursday, October 11, 2012, 3:38 PM

October 11, 2012

Hi Dennis,

Just following up on this. Were you able to get a letter of support at your last meeting? If so, please send it to us when you have a moment ... appreciate your help on this!

Please CC Nava on your reply as he is looking for it & I will be out of the office starting Tuesday.

Thank you!
Steph

Stephanie Hodsoll

Stakeholder Relations

Xeneca Power Development

5255 Yonge St., Suite 1200

North York, ON M2N 6P4

(416) 590-3077

From: Stephanie Hodsoll

Sent: Wednesday, September 12, 2012 11:42 AM

To: 'Dennis Lendrum'

Subject: RE: Letter of Support (More info needed August 20, 2012)

Thanks Dennis! We'll look forward to hearing from you sometime after you September 20th meeting.

Cheers,

Steph

Stephanie Hodsoll

Stakeholder Relations

Xeneca Power Development

5255 Yonge St., Suite 1200

North York, ON M2N 6P4

(416) 590-3077

From: Dennis Lendrum [<mailto:pawpasno@yahoo.ca>]

Sent: Monday, August 27, 2012 3:01 PM

To: Mark Holmes

Cc: Stephanie Hodsoll; Mike Vance

Subject: RE: Letter of Support (More info needed August 20, 2012)

Mark

August 27th, 2012

I thank you for the reply and that is exactly what I thought the plans was.

I will share your reply with the active snowmobile members, clearing up any rumors.

With the email I will be recommending too the EDSC Members that we approve a letter of support for the project as all of our concerns have been addressed.

This way it can be addressed at the September 20th, 2012 meeting.

There is Nothing Stronger than the Heart of a Volunteer

Yours in Safe Snowmobiling Always

Dennis Lendrum

--- On Mon, 8/27/12, Mark Holmes <mholmes@xeneca.com> wrote:

From: Mark Holmes <mholmes@xeneca.com>

Subject: RE: Letter of Support (More info needed August 20, 2012)

To: "Dennis Lendrum" <pawpasno@yahoo.ca>

Cc: "Stephanie Hodsoll" <SHodsoll@xeneca.com>, "Mike Vance" <mvince@xeneca.com>

Received: Monday, August 27, 2012, 10:57 AM

Dear Dennis:

Further to your questions on our Wabageshik Rapids project regarding use of roads and snowmobile access, please be assured that Xeneca will not use any snowmobile bridges or trails for transporting any goods to site.

Xeneca's preferred access plan is to build a new short access road from Penage Lake Road to the site on the east side of Elizabeth Lake in a North-South direction. As noted at our recent Public Information Centre (PIC) this requires crossing the snowmobile trail only once in a 90 degree direction. It may be appropriate to post the trail to alert riders to the construction and we welcome your assistance in that matter.

Recently Xeneca had some questions from regulatory agencies asking Xeneca to review a route over, or parallel to, the snowmobile trail. Xeneca is working to establish ownership, but we remain committed to the aforementioned north-south access as the alternative using snowmobile trails would require adding new bridge(s) and building a road several km longer than the route we have proposed on the east side of Elizabeth Lake.

Hope that clears up any concerns and if you have any further questions please do not hesitate to contact me.

Best regards,

Mark Holmes

Vice President

Corporate Affairs

Xeneca Power Development

5255 Yonge St.

Suite 1200

North York

M2N 6P4

416-590-9362

416-590-9955 (fax)

647-588-9707 (cell)

mholmes@xeneca.com

www.xeneca.com

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From: Dennis Lendrum [<mailto:pawpasno@yahoo.ca>]
Sent: Monday, August 20, 2012 3:52 PM
To: Stephanie Hodsoll
Cc: Betty Heis; Suzie Belanger; Mark Holmes
Subject: Letter of Support (More info needed August 20, 2012)

Stephanie

I have been discussing this with members of the community and the snowmobile club.

I have always been under the impression that the club snowmobile trails, the snowmobile bridge across the Vermillion River and the snowmobile bridge at the west end of Elizabeth Lake, will **NOT** be used to transport heavy equipment to the site.

Over snowmobile bridges are only rated for a maximum of 5 Ton.

I have been saying this, to those that I have spoke with.

The drawings at the previous open house showed that that Xeneca was building a road from Penage Lake Road to the site only crossing the snowmobile trail once. Has this changed???

People have been telling me that Xeneca will be using the Snowmobile Bridge(s) to bring heavy equipment to the site. Is this a fact???

I was not able to attend the last open house meeting, so I may not have the most recent information.

I need all the most recent information about the snowmobile trails before our September meeting otherwise members will be asking questions and then I will need these answers, ASAP so that the members can decide at the October or November meeting about a letter of support.

If it is possible for you to draft up a letter of support, it would be appreciated. As it appears that I may not have all the information about what is going on.

There is Nothing Stronger than the Heart of a Volunteer

Yours in Safe Snowmobiling Always

www.rcsasnow.com

Dennis Lendrum

--- On Wed, 8/8/12, Stephanie Hodson <SHodson@xeneca.com> wrote:

From: Stephanie Hodson <SHodson@xeneca.com>

Subject: Letter of Support

To: "Dennis Lendrum" <pawpasno@yahoo.ca>

Cc: "Betty Heis" <heisbd@amtelecom.net>, "Suzie Belanger" <yamasuzie@yahoo.com>, "Mark Holmes" <mholmes@xeneca.com>

Received: Wednesday, August 8, 2012, 11:39 AM

Hi Dennis,

How are you doing? Following the letter that we sent you a few weeks ago committing to look after the snowmobile bridge, I'm wondering if it's possible to get a letter of support from you. We are currently applying for a work permit and before we can get the permit issued, we need an agreement with your club. You indicated that your next meeting is in the fall, but is there any way to get a motion passed prior to the fall? We would greatly appreciate an expedited response if this is possible.

Please give me a call if you'd like to discuss this.

Cheers,

Steph

Stephanie Hodson

Stakeholder Relations

Xeneca Power Development



ESPANOLA AND DISTRICT SNOWMOBILE CLUB

Member O.F.S.C. (Incorporated)

Motion by: Ken Sokoloski

Seconded by: Shawn Belanger

Based on the email information, up to and including August 27, 2012 from Mark Holmes – Vice President – Corporate Affairs of Xeneca Power Development.

We the EDSC members present at the October 11, 2012 Club meeting have no objections to the construction of the power-dam on the Vermillion River.

Approved

Dennis Lendrum President of Espanola & District S/C

Ojala/Zubal

Stephanie Hodsell

From: Stephanie Hodsell
Sent: Tuesday, March 15, 2011 3:30 PM
To: [REDACTED]
Subject: RE: Wabagishik project

Categories: Public, Logged

Of course! Linda & Roy, you have been added to our stakeholder list and will receive project updates as they become available.

Rather than sending another email, I will copy & paste the initiation to our Public Information Centre below (this just got sent about 30 mins ago.)

Hope to see you all there!

Yours truly,
Steph

Xeneca would like to invite you to our upcoming Public Information Centre for our proposed Wabagishik Rapids waterpower project on the Vermilion River.

Please join us next Tuesday, March 22 from 4 – 8 p.m. at the Espanola Recreation Complex, 175 Avery Dr., Espanola, ON.

Attached are the notice ads that ran in the Sudbury Star (March 9 & March 12) and the Midnorth Monitor (March 9 & tomorrow, March 16.)

This PIC will be an opportunity to speak to Xeneca staff and technical experts about any questions you may have. It will be an open house format, rather than a formal presentation.

Maps and informational panels (both process-related and project-specific) will be on display.

We will also provide takeaway packages with a brief project overview, site map and Citizen's Guide to the Waterpower Class EA.

We hope to see you there!

Stephanie Hodsell
Public Affairs Liaison
Xeneca Power Development
5160 Yonge St., Suite 520
North York, ON M2N 6L9
T: 416-590-9362 X 112
F: 416-590-9955
www.xeneca.com

From: [REDACTED]
Sent: Tuesday, March 15, 2011 3:24 PM
To: Stephanie Hodsell

Cc: [REDACTED]
Subject: RE: Wabagisik project

Thanks for the reply Stephanie.

As can be seen in the email distribution list above, could you add these two people (Linda Zubal and Roy Ojala) to your stakeholder database, as they are co-owners of the property described below.

Also, in the email below, which I had sent earlier, it should read there is [REDACTED] of shoreline on the property, not [REDACTED]

Yours Truly
Albert Ojala

From: Stephanie Hodsoll [mailto:SHodsoll@xeneca.com]
Sent: Thursday, February 24, 2011 10:00 AM
To: Ojala, Albert [REDACTED]
Subject: RE: Wabagisik project

February 24, 2011

Good morning Mr. Ojala,

Thank you for contacting us with this information, and for your interest in the proposed Wabagishik waterpower development.

I have added you to our stakeholder contact list and you will receive project updates as they become available. In the meantime, please refer to our website at www.xeneca.com for the most up-to-date information.

Yours truly,
Steph

Stephanie Hodsoll
Public Affairs Liaison
Xeneca Power Development
5160 Yonge St., Suite 520
North York, ON M2N 6L9
T: 416-590-9362 X 112
F: 416-590-9955
www.xeneca.com

From: [REDACTED]
Sent: Wednesday, February 23, 2011 1:36 PM
To: Vanesa Enskaitis; Stephanie Hodsoll
Subject: Wabagisik project

Our family property [REDACTED] lies to the north, right across the bay from, the proposed dam location. (our property consists of [REDACTED] which includes approximately [REDACTED] of waterfront on the vermillion river -with riparian rights owned by us) Please include me (us) in your stakeholder database.

Yours Truly

Albert Ojala
[REDACTED]

From: [REDACTED]
To: [Stephanie Hodson](#); [REDACTED]
Subject: Comment Form from March 22 2011 Espanola meeting
Date: Tuesday, April 19, 2011 7:48:23 PM

Here are my answers to the questions contained in the comment form from the March 22 2011 Espanola meeting.

What is your interest in this project ? answer ... **I have an interest in a family owned property approximately 200 yards North of the proposed Wabagishik dam.**

Please specify how you heard about this Public Information Centre ? : answer... **from another stakeholder initially, then I went to the Xeneca website and I saw the notice there. Then I received an email from Xeneca representative (after taking the initiative to contact Xeneca myself and get onto the stakeholders information distribution list.) Prior to getting myself onto Xeneca's stakeholder email distribution list there was no specific notification by Xeneca. The Class EA document from the Ontario Water Power Association states a public notice is a mandatory point of contact and must be directly provided to: adjacent and potentially affected riparian landowners/tenant stakeholders.**

Did you find the information display panels and maps helpful in explaining the project ? answer ...**no**

Were Xeneca staff members able to adequately answer your questions ? answer ... **no**

Name: Linda and Gary Zubal

Address and Postal Code : [REDACTED]

My Additional Questions and Comments from the Espanola meeting are as follows:

- **What are the road plans? Different diagrams show different routes? What is the final recommended route? At the Espanola meeting, one of the displays had a "possible alternative access road" going through our Private property?**
- **Construction: Since this area is a "cottage area" with our cottage 200 yards away, what are the planned hours of construction? (no late nights or evenings)**
- **What are Xeneca's contingencies on any negative effect on our property value**
- **What is the impact to the quality of life the family has enjoyed for over 80**

- years
- What is the short and long term impact on our shoreline (over half a mile waterfront with riparian rights owned by us.)
 - What is the amount of noise pollution from the dam when fully operational?
 - Is there a danger to those children in paddle boats, canoe's that have used the bay?
 - With reference to the Ontario Waterpower Associations Document entitled Class Environmental Assessment for Waterpower Projects : section 5.2.3. of the Navigable Waters Protection Act ... What are Xeneca's contingencies on any impact on the existing amount of navigable water (a few kilometers downstream there is a submerged waterfall which may be exposed if water levels drop.)
 - With reference to the Ontario Waterpower Associations Document entitled Class Environmental Assessment for Waterpower Projects : section 6.2.4 , titled " Consultation Techniques" : under " Meetings / Workshops"... we request a smaller, focused meeting with us specific stakeholders in order that we may be more successful in resolving these contentious issues. Our property is located within 200 yards of the proposed dam.
 - How are the stakeholders protected if Xeneca is sold?
 - We were never notified of any of this. Mark said letters were mailed out – we did not receive a letter. When were they mailed? What address was it sent? With reference to the Ontario Waterpower Associations Document entitled Class Environmental Assessment for Waterpower Projects : section 4.2.1 " Notice of Commencement " ... It states that a public notice is a mandatory point of contact and must be directly provided to: adjacent and potentially affected riparian landowners/tenant stakeholders.
 - At the Espanola meeting there was no one there from the MOE. Who is representing the public in this process ?
 - The information on the display at the Espanola meeting was an excerpt from what was already on Xeneca's website. Information was general in nature, and at times, the verbal information provided was contradictory to information contained on the Xeneca's website.
 - The format of Espanola meeting was not conducive for all interested parties to hear other people's comments and concerns. For future public meetings a change in format is requested so that everyone gets a chance to hear everything being discussed.
 - We are located close (~ 200 yards) from the dam, so we would like to have a rendering of what the finished project is going to look like from our property.
 - We are requesting a face-to-face meeting with Xeneca.
 - please forward this email to Mark.

Yours Truly,
Linda and Gary Zubal

Stephanie Hodsoil

From: Arnold Chan
Sent: Thursday, April 21, 2011 11:27 AM
To: sojala@xstratanickel.ca
Subject: Gary Zubal / Ojala Family Properties - Near the proposed Wabageshik Falls Waterpower Project

Categories: Logged, Public

Dear Mr. Ojala:

I am writing in response to concerns raised by Mr. Gary Zubal that has property to the west of the proposed Wabageshik waterpower project as a result of our recent Public Information Centre. I believe your family also owns some property in the same vicinity? Anyways, I've left you a message and also my contact information is below.

Please give me a call at your kind convenience. I would appreciate an opportunity to listen and to try to address any of your collective concerns.

Kind regards,

Arnold G. Chan
Xeneca Power Development Inc.
Vice-President, Legal Affairs
5160 Yonge Street, Suite 520
Toronto, Ontario M2N 6L9
Tel: (416) 590-9362, ext. 115
Fax: (416) 590-9955
achan@xeneca.com
www.xeneca.com

Stephanie Hodsoll

From: Stephanie Hodsoll
Sent: Monday, April 25, 2011 2:51 PM
To: [REDACTED]
Subject: RE: Xeneca Public Information Center: Espanola Ontario meeting March 22 2011

Categories: Logged, Public

April 25, 2011

Hi Albert,

Thank you very much for submitting this comment form.

Your input been forwarded to the appropriate staff and will be logged as required by the Class Environmental Assessment for Waterpower Projects ("Class EA") and Canadian Environmental Assessment Agency processes, administered by the Ontario Ministry of the Environment as well as the federal body, CEAA.

Your comments are appreciated and your questions be responded to at the earliest opportunity. In the interim can I please direct you to the Ontario Waterpower Association website where you can download a copy of the Class EA process and related information including a Citizen's guide; <http://www.owa.ca/class-ea/>.

Yours truly,
Steph

Stephanie Hodsoll
Public Affairs Liaison
Xeneca Power Development
5160 Yonge St., Suite 520
North York, ON M2N 6L9
T: 416-590-9362 X 112
F: 416-590-9955
www.xeneca.com

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From: [REDACTED]
Sent: Thursday, April 21, 2011 12:47 PM
To: Stephanie Hodsoll
Subject: Xeneca Public Information Center: Espanola Ontario meeting March 22 2011

To: Mark Holmes; Steph Hodsoll, Xeneca Power Development Inc

RE :March 22 2011 Meeting at Espanola Recreation Center Public Information Centre:

Here are my answers to the questions contained in the comment form from the March 22 2011 Espanola meeting.

What is your interest in this project ? answer ... I have an interest in a family owned property approximately 200 yards North of the proposed Wabagishik dam.

Please specify how you heard about this Public Information Centre ?: answer... **from another stakeholder initially, then I went to the Xeneca website and I saw the notice there. Then I received an email from Xeneca representative (after taking the initiative to contact Xeneca myself and get onto the stakeholders information distribution list.) Prior to getting myself onto Xeneca's stakeholder email distribution list there was no specific notification by Xeneca. The Class EA document from the Ontario Water Power Association states a public notice is a mandatory point of contact and must be directly provided to: adjacent and potentially affected riparian landowners/tenant stakeholders.**

Did you find the information display panels and maps helpful in explaining the project ? answer ...no

Were Xeneca staff members able to adequately answer your questions ? answer ... no

Name: **Albert Ojala**

Address and Postal Code : 

My Additional Questions and Comments from the Espanola meeting are as follows:

- **What are the road plans? Different diagrams show different routes? What is the final recommended route? At the Espanola meeting, one of the displays had a "possible alternative access road" going through our Private property?**
- **Construction: Since this area is a "cottage area" with our cottage 200 yards away, what are the planned hours of construction? (no late nights or evenings)**
- **What are Xeneca's contingencies on any negative effect on our property value**
- **What is the impact to the quality of life the family has enjoyed for over 80 years**
- **What is the short and long term impact on our shoreline (over half a mile waterfront with riparian rights owned by us.)**
- **What is the amount of noise pollution from the dam when fully operational?**
- **Is there a danger to those children in paddle boats, canoe's that have used the bay?**
- **With reference to the Ontario Waterpower Associations Document entitled Class Environmental Assessment for Waterpower Projects : section 5.2.3. of the Navigable Waters Protection Act ... What are Xeneca's contingencies on any impact on the existing amount of navigable water (a few kilometers downstream there is a submerged waterfall which may be exposed if water levels drop.)**
- **With reference to the Ontario Waterpower Associations Document entitled Class Environmental Assessment for Waterpower Projects : section 6.2.4 , titled " Consultation Techniques" : under " Meetings / Workshops"... we request a smaller,**

focused meeting with us specific stakeholders in order that we may be more successful in resolving these contentious issues. Our property is located within 200 yards of the proposed dam.

- How are the stakeholders protected if Xeneca is sold?
- We were never notified of any of this. Mark said letters were mailed out – we did not receive a letter. When were they mailed? What address was it sent? With reference to the Ontario Waterpower Associations Document entitled Class Environmental Assessment for Waterpower Projects : section 4.2.1 “ Notice of Commencement “... it states that a public notice is a mandatory point of contact and must be directly provided to: adjacent and potentially affected riparian landowners/tenant stakeholders.
- At the Espanola meeting there was no one there from the MOE. Who is representing the public in this process ?
- The information on the display at the Espanola meeting was an excerpt from what was already on Xeneca's website. Information was general in nature, and at times, the verbal information provided was contradictory to information contained on the Xeneca's website.
- The format of Espanola meeting was not conducive for all interested parties to hear other people's comments and concerns. For future public meetings a change in format is requested so that everyone gets a chance to hear everything being discussed.
- We are located close (~ 200 yards) from the dam, so we would like to have a rendering of what the finished project is going to look like from our property.

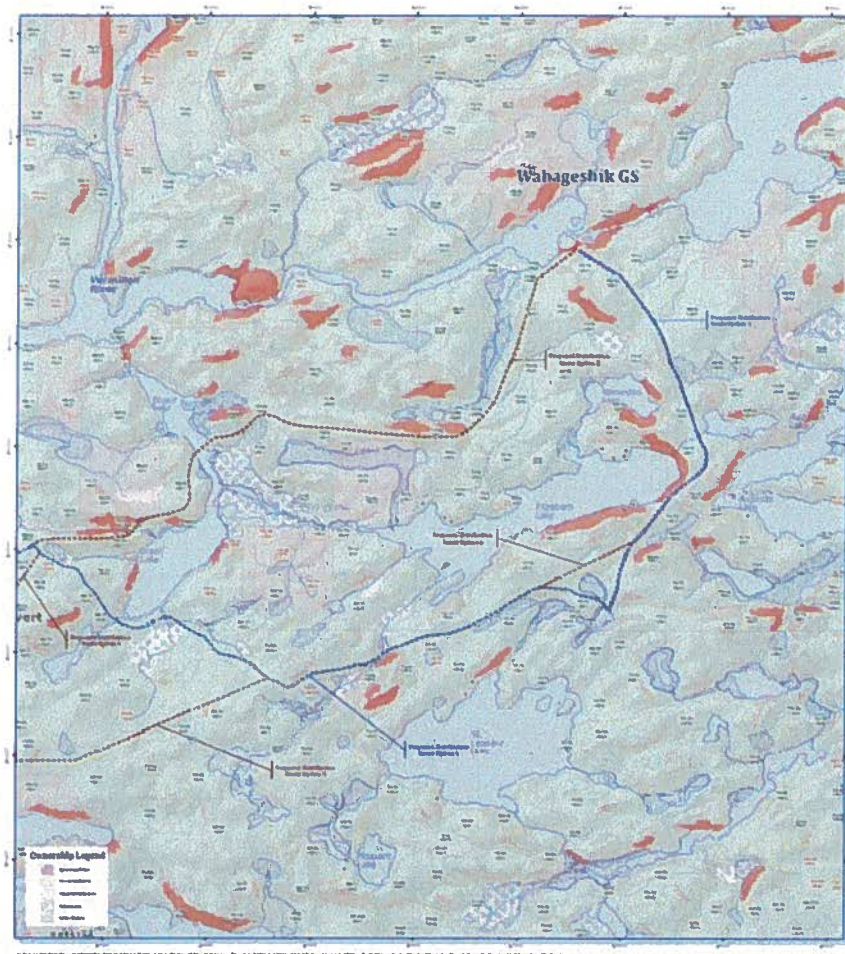
Yours Truly,
Albert Ojala

.....
This email and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this email in error please delete and notify us immediately.
.....

Linda Zubal & Albert Ojala's Questions: Proposed Wabagishik Rapids Project on the Vermilion River

1. What are the road plans? Different diagrams show different routes? What is the final recommended route? At the Espanola meeting, one of the displays had a "possible alternative access road" going through our Private property?

Road access will be from the south. The map has been modified since the Public Information Centre in Espanola on March 22, 2011. Please see the maps below for the currently proposed road access plans.



Title G.32 Vermilion River (Wabagishik Rapids)



- 2. Construction: Since this area is a “cottage area” with our cottage 200 yards away, what are the planned hours of construction? (no late nights or evenings)**

Normal construction practice at power plants is 10 hours a day, 6 days a week. We do not yet have a construction contract for this project; details will be determined once we reach that phase. During construction hours, various mitigation measures will be undertaken to minimize the effects of noise, dust, etc. For example, blast mats will be used, equipment emission controls will be maintained, trucks will have tarps, etc.

- 3. What are Xeneca’s contingencies on any negative effect on our property value**

If there are impacts on private property, Xeneca needs to understand the nature of these impacts and discussion about mitigation/avoidance needs to commence.

- 4. What is the impact to the quality of life the family has enjoyed for over 80 years**

Refer to the answer to Q3 above. If there are any impacts on quality life, please identify them to Xeneca for assessment.

- 5. What is the short and long term impact on our shoreline (over half a mile waterfront with riparian rights owned by us?)**

We require modeling to determine the impacts on shoreline; this will be available in the Class Environmental Assessment for Waterpower Projects (Class EA) document. Please note that at all times a compensatory flow (determined by Regulatory Agencies) is required in the Vermilion River.

- 6. What is the amount of noise pollution from the dam when fully operational?**

Expected sound levels for individual equipment components and installation are not yet determined. Where possible, Xeneca will apply sound mitigation measures to lower audible levels outside of the powerhouse structure. Noise resulting from operation of the facilities (transformer hum, flow of water into the intake) should not be significant. To mitigate noise due to operations, the generator/turbine set up will be within the provincial requirements. The generator/ turbine will be housed in a concrete building, vents and louvers will be directed away from trails, cottages, etc. Routine maintenance and inspection of the equipment will be carried out to ensure noise levels are minimized.

- 7. Is there a danger to those children in paddle boats, canoes that have used the bay?**

All of Xeneca’s project sites, including Wabagishik Rapids, will be covered by a safety program. This will include a safety boom placed upstream of the station intake and warning signs erected. Uses of the bay will be reviewed as part of the Class EA. The area downstream of the proposed Wabagishik site is very flat, and there will be no significant effect in this area. The varied flow levels will still fall within natural flow levels.

- 8. With reference to the Ontario Waterpower Associations Document entitled Class Environmental Assessment for Waterpower Projects: section 5.2.3? of the Navigable Waters Protection Act ... What are Xeneca's contingencies on any impact on the existing amount of navigable water (a few kilometers downstream there is a submerged waterfall which may be exposed if water levels drop.)**

Navigable water levels are determined by Transport Canada, and Xeneca is bound by the Navigable Waters Protection Act. Throughout the EA process, Xeneca has been and will continue to be involved in extensive discussions with DFO, MNR and MOE. Xeneca has to satisfy these Agencies that enough water will remain downstream to maintain fish habitat and ecological integrity. In addition, the principles of the existing water management plan for the river (which addresses various environmental components) will be honoured.

- 9. With reference to the Ontario Waterpower Associations Document entitled Class Environmental Assessment for Waterpower Projects : section 6.2.4 , titled " Consultation Techniques" : under " Meetings / Workshops" ... we request a smaller, focused meeting with us specific stakeholders in order that we may be more successful in resolving these contentious issues. Our property is located within 200 yards of the proposed dam.**

Mark Holmes, Vice President of Corporate Affairs, will be happy to meet with you the next time he is in the Sudbury area. We will advise you of potential meeting dates once they are determined.

- 10. How are the stakeholders protected if Xeneca is sold?**

The agreements and commitments that become part of the Class EA would be transferred to any subsequent owner. It is not Xeneca's intention to dispose of or change ownership of its projects, which are being built as long-term investments.

- 11. We were never notified of any of this. Mark said letters were mailed out – we did not receive a letter. When were they mailed? What address was it sent? With reference to the Ontario Waterpower Associations Document entitled Class Environmental Assessment for Waterpower Projects: section 4.2.1 "Notice of Commencement "... it states that a public notice is a mandatory point of contact and must be directly provided to: adjacent and potentially affected riparian landowners/tenant stakeholders.**

As we are not yet sure whether there will be any impact on your land, no letter was ever mailed to you. We only notify those where known impacts exist directly. All other stakeholders are notified through the Notice of Commencement, which was published in the Mid-North Monitor (Aug. 25 & Sept. 1, 2010; re-issued Nov. 10 & 17, 2010) and The Sudbury Star (July 28 & 31, Aug. 21 & 25, 2010; re-issued Nov 10 & 13, 2010.)

12. At the Espanola meeting there was no one there from the MOE. Who is representing the public in this process?

There are at least 16 Provincial and Federal Agencies that review all steps leading towards completing the Class EA, as well as subsequent permits and approvals. For a list of Agencies, please see the Wabagishik Rapids Project Description on the Xeneca website at www.xeneca.com.

13. We are located close (~ 200 yards) from the dam, so we would like to have a rendering of what the finished project is going to look like from our property.

Final engineering will need to be completed before we can provide an accurate depiction of what the project will ultimately look like. Further, we would like to hear from you regarding any concerns you have on optics. Efforts may be made to incorporate landscaping and other features that could improve the project and at the same time provide a more pleasing visual impact.

14. We are requesting a face-to-face meeting with Xeneca.

As stated in Q9, Mark Holmes, Vice President of Corporate Affairs, will be happy to meet with you next time he is in the Sudbury area. We will advise you of potential meeting dates once they are determined.



5255 Yonge St., Suite 1200, North York, ON M2N 6P4
tel 416-590-9362 fax 416-590-9955 www.xeneca.com

April 24, 2012

Dear Mr. & Mrs. Zubal and family,

I hope this letter finds you well and anticipating a great cottaging season ahead.

When Vanesa and I met with you in October 2011, we discussed our Wabagishik Rapids project and the potential impacts it could have on your property. At that meeting we committed to keep you apprised of any new information coming to light as a result of our ongoing investigations and hence this letter to you.

After more detailed studies of river hydrology and hydraulics, we believe we have a much more accurate model of how our operations will affect water levels in the reach of river in proximity to your property.

The modeling clearly shows that during spring and other high water flows, virtually no change is expected downstream. During average and low-flow periods, plant operation will affect water levels to a relatively small extent. During those average and low-flow conditions we expect water levels will slowly drop during overnight hours and then gradually increase during weekday operation. The most extreme fluctuation will be in plus-or-minus 20 inches range.

Looking at the topography of the shorelines of your property we do not anticipate any significant impacts, but this is something we wish to discuss with you. Docks, water lines etc. may need to be slightly modified and Xeneca is willing to assist if required.

As for navigation and visual impacts on the river in your area, the natural shoals may, periodically, be exposed (mostly during overnight hours.) As you are aware, these shoals are exposed naturally during low-flow periods, but this could occur more frequently. However, this should not impact your ability to boat in the area as there is sufficient depth in the channels to navigate.

During construction Xeneca will absolutely ensure that your property is supplied with water of similar or better quality that you presently enjoy.

As I expect you will have more questions, I would like to set up a meeting with you when I am next in the Sudbury area. Are you available to meet on Wednesday, May 23? As well as discussing the project and mitigation of any impacts, we'd be pleased to discuss options such as purchasing an easement (or other form of agreement) for the small part of your property that may be affected.

Please advise Stephanie of your availability and meeting location at shodsoll@xeneca.com and we will arrange a meeting.

As well, it would be greatly appreciated if you could have any edits to the minutes from our meeting on October 22, 2011 ready for our May meeting.

I will follow up with a phone call tomorrow.

Very best regards,

A handwritten signature in black ink, appearing to read 'Mark Holmes', with a stylized flourish at the end.

Mark Holmes
Vice President, Corporate Affairs
Xeneca Power Development
416-590-9362 (office) / 647-588-9707 (cell)
mholmes@xeneca.com



5255 Yonge St., Suite 1200, North York, ON M2N 6P4
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July 19, 2012

Mr. Albert Ojala



Dear Mr. Ojala,

In follow-up to our meeting on May 23, 2012, as well as the previous communications we've had with you and your family, we wish to address the questions and concerns raised with respect to the proposed Wabagishik Rapids waterpower project and your family's recreational property located downstream.

Outlined below are your questions and concerns along with the information that will help to address them.

1. Concerns about Disruption to the Existing Drinking Water Intake During Construction

Government regulations require strict sediment control measures during construction. To this end, any "in-river" work area will first be protected by a temporary coffer dam. Xeneca intends to use a combination of inflatable rubber bladders and industrial size sand bags (1x1x1 m plastic fabric bags filled with earth) to isolate any in-river construction area prior to any in-river construction work. Any water that is contained in the construction area will be passed through a silt trap system before being returned to the river. Construction silt fencing will be used ensure that silt run-off from the rest of the construction area does not flow into the river. If you would like more information about the construction process, we would be glad to provide it.

Despite the various precautions taken during construction, it cannot be ruled out that silt could enter the river during construction. Possible causes could be an unusually large flash flood event. As a precaution and to ensure that your drinking water supply is not affected, Xeneca is offering to place a temporary water line from upstream of the project to your recreational property for the duration of any in-river construction work.

2. Viewscape onto Dam and Powerhouse

You indicated that the proposed project would be a visual disruption to the natural setting that surrounds your recreational property, particularly the waterfront. As you are already aware, we have re-located the project upstream by 255 metres from the original location. This change was made for a couple of reasons including the desire to protect a fish spawning location and to address your concern over unwanted noise and /or visual changes. With the project now located over 500 metres from your buildings and hidden from view by a large hill, we believe that this change in project layout will retain your view of a natural environment and the project will not have any notable noise, odour or air emissions during operation. Some noise disruption may occur temporarily during construction, and we would like to work with you further to minimize any unwanted effects.

3. Navigation and Shallow Water Levels

You expressed concern that the section of river between the project and your property is very shallow in places and subject to poor navigability during low water levels. In response to your concern, Xeneca has carried out a detailed engineering study of this section of river. The work has included depth surveys and hydraulic modeling. We have also installed a water level monitoring device in the area to provide relevant field measurements going forward. Attached is a table detailing the water level calculations for each month for both low flows and average flows. At our last meeting, we also provided you with river cross-sections showing the river levels at various flows. These sections may help in visualizing the water levels and water depth along the river bottom. As can be seen from the sections, water depths for navigation vary significantly throughout this section of river with some areas significantly deeper than others.

The engineering information shows that water levels are typically lowest in August. Normal August levels range from 198.02 mMSL during low flows (i.e. August Q95 flow statistic) to 198.19 mMSL during average flows. This amounts to a 0.17 metres (7") range between average and low levels.

As discussed in our last meeting, plant operation can result in some daily water level fluctuations downstream (typically lower than normal level at night and greater than normal level during the day). To minimize impacts on navigation and shallow water levels, Xeneca commits to cease any operation that results in water levels dropping below 198.02 mMSL. Xeneca also commits to limit any fluctuation in daily water level due to operation to not more than 0.15 metres from the normal daily average level (i.e. Avg. +/- 6 inches). Xeneca will carry out ongoing water level monitoring throughout the life of the project and make this information available when requested. Further, the water level commitments will be incorporated into the environmental assessment process for the project so as to form a binding regulatory commitment by Xeneca.

4. Siltation and Swamp Creation

You expressed concern about ongoing siltation in the shallowest areas and the risk of creating a swamp if areas become shallower due to project operation. It is recognized that water depths in much of the river near your property are very shallow. We also concur that some of the shallow areas emerge as islands during very low flows. Based on a geomorphological review of the area, we have determined that, indeed, a lot of sediment has been deposited in the area in front of your property over time. The sediment deposition appears to have occurred after the last ice age when the Vermillion River washed over a large sand and gravel esker that is located between your property and Xeneca's proposed project site. On the project map, the esker is the long ridge line hill that blocks your view of the proposed project site. You may also remember this location as the original dam location before we moved the project 255 metres upstream.

When the gravel esker was washed over a deep gully formed, washing sand and gravel material down river. Much of it was deposited in the section of river that you see from your property. In the channel bed, the coarse cobble material that was too large to wash away remained in place. The cobble material is clearly visible in the river bed during low flows. It extends from the start of the gully and upstream to the proposed dam location.

Due to the cobble material that has formed in the channel bed, this area appears very stable now and is likely to be stable for a very long time. With the cobble bed providing protection from further river bed erosion, the primary sediment source that has formed the shallow area in front of your property appears dormant. While some amount of sand will always migrate down the Vermillion River during every spring freshet event, there does not appear to be a significant sediment source to drive further siltation and swamping of this area at this time.

With respect to impact of the project on siltation in front of your property, we do not anticipate the proposed project operation to have any impact. Indeed, the existence of the dam structure may even trap a small amount of any sand that may be migrating down the Vermillion River during spring freshets.

Another contributing factor to swamp creation can be reductions in water levels. The proposed facility operation will pass the same amount of water on a daily basis as the amount that would pass naturally. This will ensure that the average daily water level will be the same as the average daily water level that occurs naturally. The only exception to this is the variation in daily flow that occurs at certain times due to operation as discussed in item (3) above (i.e. +/- 0.15 metres). This daily operation is not expected to cause any swamp creation.

5. Damage to Docks and Shorelines

As we understand it, a concern was raised about possible damage to your dock or shorelines due to high flows from the facility. We would like to confirm that the maximum discharge flow due to operation of the facility will not be greater than 64 meters cubed per second (m^3/s). This flow is well below the average river flow that occurs naturally during spring freshet. Based on historical flow records, the average flow for the month of April is $149 \text{ m}^3/\text{s}$. The 1 in 2 year flood flow is $268 \text{ m}^3/\text{s}$ and the 1 in 100 year flood flow is $507 \text{ m}^3/\text{s}$.

Given the distance to your shoreline and the moderate flow associated with facility operation, Xeneca is very confident that damage to your dock and shoreline would not occur due to facility operation. However, if damage were to occur due to operation, Xeneca will assume full responsibility.

6. Concern about Site Access

In response to your concerns over site access from the north, we have relocated the proposed site access to the south side of the river.

[REDACTED]

In summary, we trust that the above information and commitments will help to address many of the concerns and questions raised. From our meeting and communications that we have had with you and your family, we understand that your concerns go beyond the technical aspects and relate to the possible loss of peace, tranquility and remoteness of this area.

We would be pleased to meet with you in the near future to discuss how we may continue to work cooperatively to address concerns including protection of the remote experience of your recreational property and the issues of compensation you have brought forward.

We are hosting a third Wabagishik Public Information Centre in Espanola next Wednesday, July 25, and if you are able to attend I would be pleased to set aside some time to speak with you privately. The PIC runs from 4-8 p.m. If you are able to attend, please let me know.

Very best regards,

Mark Holmes
Vice President, Corporate Affairs
Xeneca Power Development
416-590-9362 (office) / 647-588-9707 (cell)
mholmes@xeneca.com

Attachment 1: Water Level Information

The following table provides water level information for the wide and shallow section of river located immediately downstream of the proposed project. Level information is provided for each month of the year and shown for typical average flow conditions as well as low flow conditions. The values are based on bathymetric surveys and hydraulic modeling carried out for the area.¹ The values pertain to hydraulic section "-0+219", located approximately 475 metres downstream of the proposed dam site and in close proximity to the recreational property of interest.

Table 1 : Normal Water Levels 475 m Downstream of Proposed Dam												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average Flow (m ³ /s)	24.4	18.7	33.0	149.4	111.2	45.3	26.5	15.5	17.1	34.9	50.1	41.9
Average Water level (mMSL)	198.40	198.26	198.56	199.76	199.46	198.75	198.44	198.19	198.23	198.59	198.81	198.70
Low flow (Q95) (m ³ /s)	9.7	8.3	10.5	29.4	28.9	16.0	6.7	4.5	3.2	4.9	10.4	11.8
Low Flow Water Level (mMSL)	198.09	198.06	198.10	198.50	198.50	198.20	198.04	198.02	198.01	198.02	198.10	198.12
Average to Low Level Change (m)	0.31	0.20	0.46	1.26	0.96	0.55	0.40	0.17	0.22	0.57	0.71	0.58

Note: Water levels shown are at surveyed section "- 0+219" as calculated in steady state HEC RAS model Report

¹ Canadian Projects Limited, March 19, 2012, "Ontario South Hydro HEC-RAS Inundation Mapping Vermillion River"
– Wabageshik Rapids, Letter Report, File 1052-001-3.1.3

January 28, 2013

To: Mark Holmes, Vice President, Corporate Affairs
Xeneca Power Development
5255 Yonge St.
Suite 1200
North York
M2N 6P4

From: Ojala/Zubal c/o Albert Ojala;

We respectfully decline to pursue any further discussion related to coming to terms on any agreement between Ojala/Zubal and Xeneca Power vis a vis the proposed power generation dam on the Wabagishik rapids.

In reviewing the conditions of the rapids and downstream portion of the river adjacent to our property, it is our intent and wish to maintain the existing conditions. We believe any disruption to the existing run of river would create irreparable and harmful consequences to the habitat of river species, the visual appeal of the water body at the site and the quality of the water body downstream of the site.

There will be an effect on the migratory and indigenous bird populations as well as the mammals that are local to the area that would not be beneficial to these inhabitants.

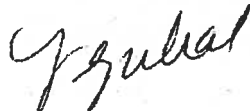
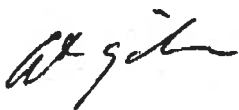
We believe the benefit of generating power during limited periods of the year will not create an economic model whose benefits outweigh the current and future detrimental impact on this ecosystem.

Sincerely,

Albert Ojala

Linda Zubal

Roy Ojala





5255 Yonge St., Suite 1200, North York, ON M2N 6P4
tel 416-590-9362 fax 416-590-9955 www.xeneca.com

February 1, 2013

Dear Mr. Ojala:

Thank you for your January 28 letter responding to the Memorandum of Understanding sent to you on January 9, 2013.

While we respect your position, we are somewhat mystified by your response which appears to be a significant departure from our recent discussions and potential remedy to concerns raised by you and your family.

In declining the MOU, you cite that the Wabagishik GS would "create irreparable and harmful consequences to the habitat of river species, the visual appeal of the water body at the site and the quality of water downstream." Further, you indicate harm would befall migratory and indigenous bird populations as well as mammals.

We wish to assure you that very rigorous studies have been conducted by highly qualified environmental scientists and as required by regulatory agencies. We believe it fair to state that the sections of river that fall within the project zone of influence are well understood and that all appropriate mitigation and avoidance measures have been developed and put in place to protect both aquatic and terrestrial species. Results of these studies and the input from regulatory agencies and a broad spectrum of stakeholders will be available for your review in the OWA Waterpower Class Environmental Assessment Report (ER).

Given your stated interest in the environmental effects and mitigation, we have enclosed a copy of the Draft Environmental Report which has been sent to identified Aboriginal Communities, Government Agencies and stakeholder groups for their review. While this draft report is subject to revision pending final input from government and stakeholders, it will provide substantial information responding to the concerns you have raised.

We would further note that in follow up to our meeting of May 23, 2012, as well as previous communications between Xeneca, you and your family, we addressed a series of questions and concerns raised with respect to the Wabagishik Rapids project and any potential impacts to your family's recreational property located downstream.



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Outlined below are your questions and concerns along with the information that will help to address the points you have raised.

1) Concerns about Disruption to the Existing Drinking Water Intake During Construction:

Government regulations require strict sediment control measures during construction. To this end, any "in-river" work area will first be protected by a temporary coffer dam. Xeneca intends to use a combination of inflatable rubber bladders and industrial size sand bags (1x1x1 m plastic fabric bags filled with earth) to isolate any in-river construction area prior to any in-river construction work. Any water that is contained in the construction area will be passed through a silt trap system before being returned to the river. Construction silt fencing will be used ensure that silt run-off from the rest of the construction area does not flow into the river. If you would like more information about the construction process, we would be glad to provide it.

Despite the various precautions taken during construction, it cannot be ruled out that silt could enter the river during construction. Possible causes could be an unusually large flash flood event. As a precaution and to ensure that your drinking water supply is not affected, Xeneca is offering to place a temporary water line from upstream of the project to your recreational property for the duration of any in-river construction work.

2) Viewscape onto Dam and Powerhouse:

You indicated that the proposed project would be a visual disruption to the natural setting that surrounds your recreational property, particularly the waterfront. As you are already aware, we have re-located the project upstream by 255 metres from the original location. This change was made for a couple of reasons including the desire to protect a fish spawning location and to address your concern over unwanted noise and /or visual changes. With the project now located over 500 metres from your buildings and hidden from view by a large hill, we believe that this change in project layout will retain your view of a natural environment and the project will not have any notable noise, odor or air emissions during operation. Some noise disruption may occur temporarily during construction, and we would like to work with you further to minimize any unwanted effects.



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3) Navigation and Shallow Water Levels:

You expressed concern that the section of river between the project and your property is very shallow in places and subject to poor navigability during low water levels. In response to your concern, Xeneca has carried out a detailed engineering study of this section of river. The work has included depth surveys and hydraulic modeling. We have also installed a water level monitoring device in the area to provide relevant field measurements going forward. Attached is a table detailing the water level calculations for each month for both low flows and average flows. At our last meeting, we also provided you with river cross-sections showing the river levels at various flows. These sections may help in visualizing the water levels and water depth along the river bottom. As can be seen from the sections, water depths for navigation vary significantly throughout this section of river with some areas significantly deeper than others.

As discussed with you, plant operation can result in some daily water level fluctuations downstream (typically lower than normal level at night and greater than normal level during the day). To minimize impacts on navigation and shallow water levels, Xeneca commits to cease any operation that results in water levels dropping below 198.02 mMSL. Xeneca also commits to limit any fluctuation in daily water level due to operation to not more than 0.15 metres from the normal daily average level (i.e. Avg. +/- 6 inches). Xeneca will carry out ongoing water level monitoring throughout the life of the project and make this information available when requested. Further, the water level commitments will be incorporated into the environmental assessment process for the project so as to form a binding regulatory commitment by Xeneca.

4) Siltation and Swamp Creation:

You expressed concern about ongoing siltation in the shallowest areas and the risk of creating a swamp if areas become shallower due to project operation. It is recognized that water depths in much of the river near your property are very shallow. We also concur that some of the shallow areas emerge as islands during very low flows. Based on a geomorphological review of the area, we have determined that, indeed, a lot of sediment has been deposited in the area in front of your property over time. The sediment deposition appears to have occurred after the last ice age when the Vermillion River washed over a large sand and gravel esker that is located between your property and Xeneca's proposed project site. On the project map, the esker is the long ridge line hill that blocks your view of the proposed project site. You may also remember this location as the original dam location before we moved the project 255 metres upstream.



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When the gravel esker was washed over a deep gully formed, washing sand and gravel material down river. Much of it was deposited in the section of river that you see from your property. In the channel bed, the coarse cobble material that was too large to wash away remained in place. The cobble material is clearly visible in the river bed during low flows. It extends from the start of the gully and upstream to the proposed dam location.

Due to the cobble material that has formed in the channel bed, this area appears very stable now and is likely to be stable for a very long time. With the cobble bed providing protection from further river bed erosion, the primary sediment source that has formed the shallow area in front of your property appears dormant. While some amount of sand will always migrate down the Vermillion River during every spring freshet event, there does not appear to be a significant sediment source to drive further siltation and swamping of this area at this time.

With respect to impact of the project on siltation in front of your property, we do not anticipate the proposed project operation to have any impact. Indeed, the existence of the dam structure may even trap a small amount of any sand that may be migrating down the Vermillion River during spring freshets.

Another contributing factor to swamp creation can be reductions in water levels. The proposed facility operation will pass the same amount of water on a daily basis as the amount that would pass naturally. This will ensure that the average daily water level will be the same as the average daily water level that occurs naturally. The only exception to this is the variation in daily flow that occurs at certain times due to operation as discussed in item (3) above (i.e. +/- 0.15 metres). This daily operation is not expected to cause any swamp creation.

5) Damage to Docks and Shorelines:

As we understand it, a concern was raised about possible damage to your dock or shorelines due to high flows from the facility. We would like to confirm that the maximum discharge flow due to operation of the facility will not be greater than 64 meters cubed per second (m^3/s). This flow is well below the average river flow that occurs naturally during spring freshet. Based on historical flow records, the average flow for the month of April is $149 \text{ m}^3/\text{s}$. The 1 in 2 year flood flow is $268 \text{ m}^3/\text{s}$ and the 1 in 100 year flood flow is $507 \text{ m}^3/\text{s}$.

Given the distance to your shoreline and the moderate flow associated with facility operation, Xeneca is very confident that damage to your dock and shoreline would not occur due to facility operation. However, if damage were to occur due to operation, Xeneca will assume full responsibility.



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6) Concern about Site Access:

In response to your concerns over site access from the north, we have relocated the proposed site access to the south side of the river.



Based on your January 28 letter, it would seem unfortunate that additional measures by Xeneca to provide very significant benefits to your family's recreational property have been declined. However, as noted above, we respect your position and advise that we remain available to meet with you to discuss how we may continue to work cooperatively to address your concerns.

Very best regards,

Mark Holmes
Vice President, Corporate Affairs
mholmes@xeneca.com



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Attachment 1: Water Level Information

The following table provides water level information for the wide and shallow section of river located immediately downstream of the proposed project. Level information is provided for each month of the year and shown for typical average flow conditions as well as low flow conditions. The values are based on bathymetric surveys and hydraulic modeling carried out for the area.¹ The values pertain to hydraulic section “-0+219”, located approximately 475 metres downstream of the proposed dam site and in close proximity to the recreational property of interest.

Table 1 : Normal Water Levels 475 m Downstream of Proposed Dam												
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Low flow (Q95) (m ³ /s)	9.7	8.3	10.5	29.4	28.9	16.0	6.7	4.5	3.2	4.9	10.4	11.8
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Average to Low Level Change (m)	0.31	0.20	0.46	1.26	0.96	0.55	0.40	0.17	0.22	0.57	0.71	0.58

Note: Water levels shown are at surveyed section “- 0+219” as calculated in steady state HEC RAS model Report

¹ Canadian Projects Limited, March 19, 2012, “Ontario South Hydro HEC-RAS Inundation Mapping Vermillion River”
– Wabagishik Rapids, Letter Report, File 1052-001-3.1.3

Domtar



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Notes from May 30 Telephone Meeting with Sharon Semeniuk, Domtar, Espanola

Attending:

Sharon Semeniuk, Domtar

Mark Holmes, Xeneca

Nava Pokharel, Xeneca

Mike Vance, Xeneca

Meeting commenced at 10 a.m. with MH providing a brief rationale for the call which is to provide preliminary information on effects that may impact Domtar as a result of Xeneca's Wabagishik GS operations on the Vermilion River.

SS provided a brief overview of Domtar's Espanola Mill which has been in operation since the late 19th century and is the second largest mill in Ontario manufacturing both soft and hardwood kraft pulp.

She noted that Xeneca's Wabagishik project has two potential impacts on Domtar, specifically:

1. River water flows affecting effluent treatment; and
2. operation of the mill's hydrogeneration plant.

SS noted that the mill runs 24 hours a day almost 365 days a year with downtime only for a short maintenance period and Christmas Day and Labour Day.

Treatment of organics based effluent uses an ASB approach (Aerated Stabilization Basin) or lagoon where aerobic digestion of effluent reduces environmental impacts.

Issues with effluent treatment arise during low flow periods combined with warmer water temperatures that can reduce river water oxygen levels. The mill is directed by regulation to maintain oxygen levels about 52 percent in the Spanish River from Espanola to its mouth at Spanish, ON.

In 2010 it was noted that record low water levels were experienced for the summer period. Water flows have been recorded in that section of river since 1943.

ACTION: SS will provide Xeneca with water flow and level data.

SS noted that the unprecedented low flow period in summer of 2010 created a crisis situation regarding effluent discharge and Domtar eventually released water from upstream lakes controlled by their facilities. Similarly, Vale, which also owns upstream water control facilities, released water during this same period. Domtar owns water control facilities on Onaping Lake, Pogamasing Lake both of which feed the Spanish River and the Stobie Dam (near Chelmsford in the upper Vermilion.)

Vale owns the Lorne Falls GS above Wabagishik Lake on the Vermilion and on Agnew Lake which feeds in to the Spanish River above its confluence with the Vermilion.

SS noted that the majority of water flowing to the Domtar mill in Espanola is from the Spanish River (approx 70 percent.) MV noted that the Vermilion is responsible for 30% (later modified to 36%) of annual flow at Espanola.

During extreme low flow periods, Domtar may also use an oxygen header which pumps oxygen into the water column but this effort is employed as a last resort.

Domtar's power plant has two 8 MW turbines, one a fixed blade unit installed in the 1950s and the second a variable pitch system installed in 1993. Total max combined flow through these turbines is approximately 3700 cfs. At low flows, flow is passes through only one of the two turbines, to maintain VARs production.

The power plant is critical to Domtar's mill operations as it is at the end of a Hydro One Circuit and the local generation provides stability for their internal electric systems.

The plant was described as run of river but water levels in the head pond are allowed to fluctuate about 8 inches.

It was also noted that, depending on the upstream operations of the Vale generating plants, flows through the Domtar hydroelectric facility can range daily between 3700 cfs during the day and 600 cfs at night. River flows of less than 600 cfs as measured at Espanola are considered undesirable due to potential for impact on aquatic life in the river system. Vale and Domtar currently have an agreement to maintain instantaneous river flow as measured at Espanola at least 600 cfs. Flows falling below this level trigger low water advisory.

NP informed SS that Xeneca's operating plan involves a modified run of river regime and over a 24 hour period all natural flow will be passed downstream of the facility.

It was also noted that Xeneca has committed to a full run of river regime in the event a low water level crisis situation arises.

NP observed that downstream hydraulics modeling should be completed in the next two weeks.

ACTION: NP will send SS the results of hydraulic modeling.

MH and SS briefly discussed some of the fisheries field work that has been conducted on the river. It was noted that a vibrant walleye spawn occurs in the spring and that a very limited number of sturgeon have been caught in the Spanish River and lower Vermilion but that no presence of Sturgeon has been discovered near Xeneca's Wabagishik project. Sturgeon are very prevalent in the Lower Spanish below Espanola – this portion of the river is a known recruitment site for Lake Sturgeon, exact location of spawning grounds unknown.



5255 Yonge St., Suite 1200, North York, ON M2N 6P4
tel 416-590-9362 fax 416-590-9955 www.xeneca.com

March 12, 2013

Bob Robinson
MNR Sudbury District
Suite 5
3767 Hwy 69 S
Sudbury ON P3G 1E7

Re: Evaluation of Flow Fluctuations at Domtar Dam due to Wabageshik Rapid GS Operations

Dear Bob,

In the recent meetings with Xeneca, MNR expressed concerns on the flow fluctuations downstream of Domtar Dam at Espanola due to the operation of the Wabageshik Rapid project. This document summarizes the existing flow fluctuations at the Domtar Dam and compares them to the proposed operation of the Wabageshik Rapids project in the Vermillion River upstream.

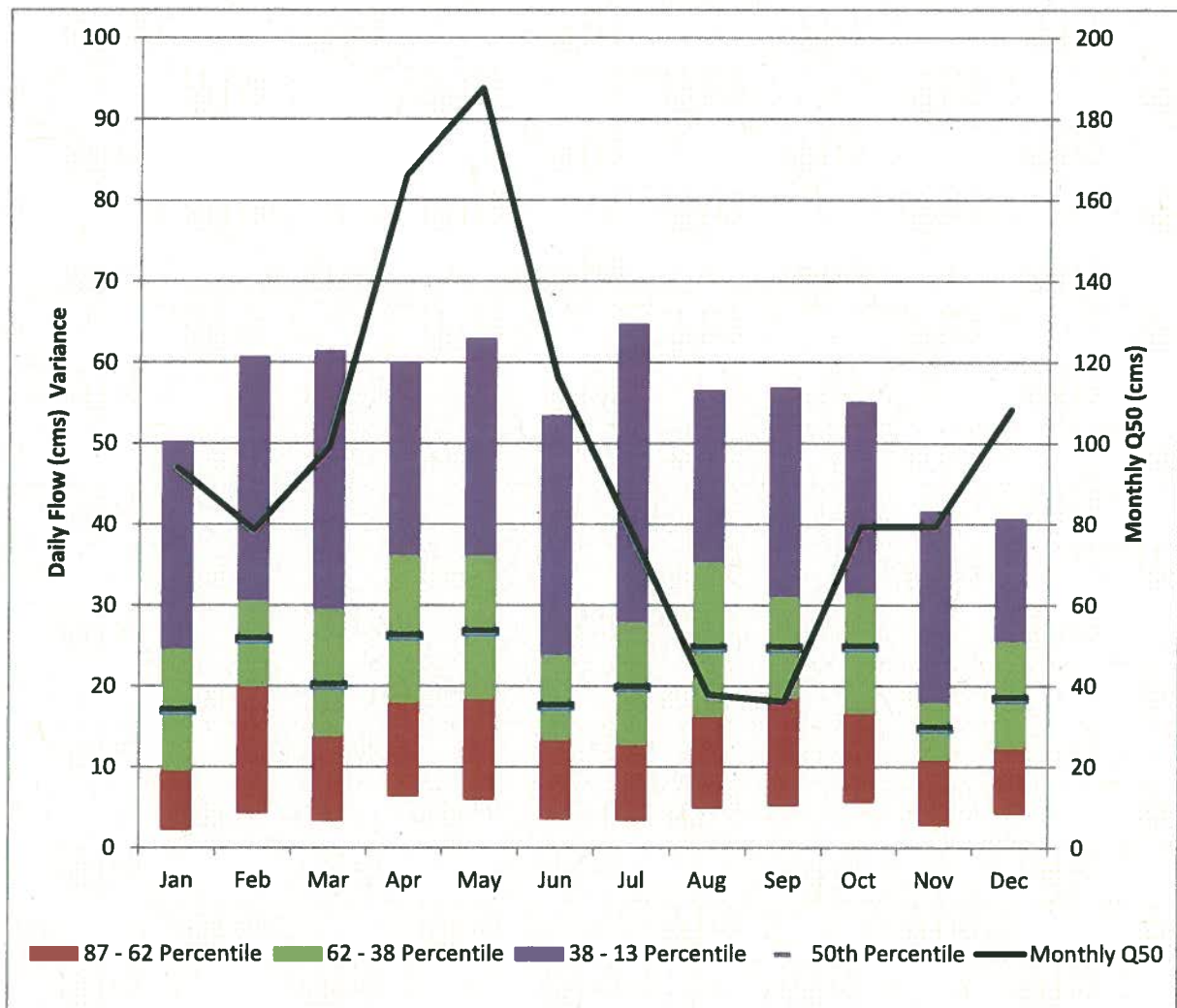
1. Existing Flow fluctuation at Domtar Dam

This analysis is based on the hourly flow data at Domtar Dam at Espanola for the period 2006 to 2012. This hourly flow data is recorded by Domtar. Table 1 and Figure 1 below summarize the existing flow fluctuations at Domtar Dam at Espanola. The table and figure show, on average (50th percentile), in any given month, the daily flow fluctuation at Domtar dam varies from 17 cms to 27 cms. The 13th percentile flow fluctuations, representing daily fluctuations that occur on a significant number of days in any month range from 41 cms to 63 cms. The data clearly show that large flow fluctuations occur downstream of Domtar Dam on a daily basis for every month of the year under existing conditions.

Table 1: Existing Daily Flow Fluctuation in Spanish River at Domtar Dam at Espanola (Flow in CMS)

Flow Statistics	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
87 - 62 Percentile	7	16	10	12	12	10	9	11	13	11	8	8
62 - 38 Percentile	15	11	16	18	18	11	15	19	13	15	7	13
38 - 13 Percentile	26	30	32	24	27	30	37	21	26	24	24	15
50th Percentile	17	26	20	26	27	18	20	25	25	25	15	19
87th Percentile	2	4	3	6	6	4	3	5	5	6	3	4
62nd Percentile	10	20	14	18	18	13	13	16	18	17	11	12
38th Percentile	25	31	30	36	36	24	28	35	31	32	18	26
13th Percentile	50	61	62	60	63	53	65	57	57	55	42	41
Monthly Q50	94	79	99	166	188	116	78	38	36	79	79	108

Figure 1: Spanish River at Domtar Dam at Espanola



2. Purposed Operation Flow variations

Appendix I attached with this document contains the flow and level charts of the Wabageshik Rapids project for all 12 months as proposed. Table 2 below summarizes the maximum daily flow fluctuations of the Wabageshik Rapid project under typical monthly inflow conditions. The flow fluctuation values listed on the table are at the Wabageshik GS site. It should be noted that the flows listed will be significantly attenuated by the Domtar dam due to the confluence with flows from the Spanish River and the storage effect of the 22 cm operating range in the headpond of Domtar Dam. The net fluctuations in flows experienced at Domtar Dam due to Wabageshik would be less than the values shown in Table 2. However, a detailed routing analysis would require operating data from the facilities upstream on the

Spanish River which are not available to us. Using the values Table 2 provides a conservative assessment of the flow variability contribution at Domtar Dam.

Table 2: Maximum daily flow fluctuations of Wabageshik Rapid GS (Flow in CMS)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Avg Inflow	22.2	17.4	22.9	134	89	33	17.8	12.7	12.8	27	43.1	24.6
Max Outflow	26	26	28	134	89	50	26	25	25	38	60	53
Min Outflow	20	7	20	134	89	22	5	5	5	20	32	25
Max Flow Fluctuation	6	19	8	0	0	29	21	20	20	18	29	29

Comparing the daily flow fluctuation at Wabageshik (last row of Table 2) to the average daily flow fluctuation at Domtar Dam under existing conditions (50th Percentile row in Table 1) shows that the proposed fluctuations at Wabageshik are significantly less than the existing fluctuations at Domtar Dam most of the time, and significantly less than the 13th Percentile fluctuations at Domtar Dam under existing conditions at all times.

It should be noted that the total range of flow fluctuation at Domtar Dam is limited to the maximum turbine operating range at that location. The underlying flow data in Figure 1 clearly shows that on many days, the turbines at Domtar Dam run at maximum capacity. The operation of Wabageshik would have no effect on maximum flow variability at those times. Any additional water made available by Wabageshik would have to be processed by extending the run time, thereby not further contributing to variability. At times when maximum turbine flow is reached under existing conditions, the operation of Wabageshik will have no additional effect on the frequency or magnitude of flow fluctuations downstream of Domtar Dam, only on flow duration.

Based on this analysis, the flow fluctuations resulting from the proposed Wabageshik project would not significantly increase the flow fluctuations occurring downstream of Domtar Dam under existing conditions. We trust this information is sufficient to address the question raised by MNR regarding potential impacts downstream of Domtar Dam at the meetings on February 27 and 28, 2013.

Yours Truly,



Nava Pokharel, P. Eng.
Senior Project Manager
Xeneca Power Development Inc.

Appendix I

March 12, 2013

Xeneca Power Development Inc.
5255 Yonge Street, Suite 1200
Toronto, Ontario
M2N 6P4

Vermilion River: Wabageshik Rapid – Proposed Operating Flows and Level Charts

ORTECH has produced a series of proposed operating curves for the “Wabageshik Rapid” waterpower development. The curves depict flow conditions (in cubic meters per second or cms) downstream of the development and the associated water elevations (in meters) immediately upstream of the development, referred to as Headpond Elevation. Operational Parameters used in the development of the curves are provided at the end of this discussion. Inflow conditions depicted on the operating curves are as follows:

- Long Term Average Flow (LTAF);
- Q60 (inflow exceeded 60% of the period of record);
- Q70;
- Q80;
- Q85;
- Q90;
- Q95;
- Q_{EA} (Environmental Flow Target – Summer conditions), and
- Average Daily Inflows (January – December).

The methodology used in the creation of the curves is outlined below:

- 1) Each hour is divided into 20 minute segments to assist in the display of ramp up / ramp down activities. Ramp up /down activities are evenly distributed across a 60 minute time period. A mass balance of inflow – outflow is conducted for each time segment with the overall goal to maximize headpond storage capacity at the end of the off peak period and to minimize headpond storage (zero storage = no accumulation over 24 hours) at the end of the on peak period.
- 2) If the inflow rate exceeds the minimum turbine generation flow (Q_{TMIN}) then off-peak time segments are set to Q_{TMIN} , otherwise all off peak segments are set to the minimum flow value of $Q_{COMP} + Q_{EA}$.

- 3) During periods when the minimum outflow is $Q_{COMP} + Q_{EA}$ the turbine generation capacity is restricted to 25 cms.
- 4) On peak and off peak flows are further averaged across the respective on peak / off peak times to provide uniform flows. This averaging approach seeks to reduce the frequency of variable river flow while balancing daily inflow / outflows.

The above methodology takes into account ramp up / ramp down times and the associated water volumes. Understanding that some loss of generating flow and turbine efficiency will result from these operations, a minimum headpond storage volume equivalent to two hours of generating flow at Q_{TMIN} was selected as a minimum operating condition. This criterion was further based upon a consideration for the limited storage capacity at this site.

Under low inflow conditions, such as depicted by the Q85 curve, operation may occur for two hours one day and three hours the next day. Operation of the generating station for a period of less than two hours to “zero out” headpond storage is unlikely. For this reason some net storage may exist at the end of a 24 hour cycle.

The proposed operating curves are further based on maintaining headpond water elevations near the Normal Operating Level (NOL) to maximize the potential energy benefit (head) during periods of low inflow. Consequently the starting headpond water elevation will be maintained at the end of a 24 hour cycle rather than depleting the headpond storage, resulting in reduced energy potential for the next 24 hour generating cycle.

Table 1: Wabageshik Rapids Operation Table

Acronym	Description	Project & Streamflow Conditions (m ³ /s)			
		Spring (Mar 20 - May 24)	Summer (May 25 - Oct 11)	Fall (Oct 12 - Dec 24)	Winter (Dec 25 - Mar 19)
Q ₉₉	Streamflow exceeded 99% of time	13.2	2.78	4.45	5.92
Q ₉₅	Streamflow exceeded 95% of time	19.3	5.19	8.89	8.89
Q ₈₀	Streamflow exceeded 80% of time	43.2	9.40	21.6	13.5
Q ₅₀	Streamflow exceeded 50% of time	102	18.9	37.7	20.5
Q ₂₀	Streamflow exceeded 20% of time	193	38.2	63.4	29.9
Q _{EA}	Downstream environmental flow target	No int. op.	5.0	Oct = 5.0 Nov = 6.5 Dec = 8.0	Jan = 8.0 Feb = 6.5 Mar = 6.5
Q _{COMP}	Compensatory flow (between tailrace and dam)	2.0	0.5	0.5	0.5
Q _{Tmax}	Maximum turbine capacity	64.0			
Q _{Tmin}	Minimum turbine flow	19.2			
Q _{TL}	Limited turbine flow - modified ROR	41.6			
	Maximum turbine flow during intermittent op	25.0			
LTAf	Long term annual flow, average annual mean	47.3			
Q _{MED}	Median streamflow value	27.3			
7Q ₂	2 year return period 7-day-average-low flow	6.84			
7Q ₁₀	10 year return period 7-day-average-low flow	3.50			
7Q ₂₀	20 year return period 7-day-average-low flow	2.89			
Q _{HWM}	Streamflow corresponding to high water mark *	110			
Q _{1:2}	High streamflow event; occurrence of 1 in 2 yr	268			
Q _{1:100}	High streamflow event; occurrence of 1 in 100 yr	507			
	Turbine Ramp Time	60 min			
	Turbine Down Ramp Time	60 min			

Table 2 provides a summary of the monthly headpond statistics resulting from the proposed operating scenarios.

Table 2: Summary of Headpond Statistics

Chart Notes and Comments:	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max Headpond Variance (m)	0.02	0.07	0.03	0.00	0.00	0.10	0.07	0.07	0.07	0.06	0.10	0.10
Max Headpond Fill Rate (cm/hr)	0.1	0.4	0.1	0.0	0.0	0.5	0.5	0.3	0.3	0.3	0.5	0.5
Max Headpond Drawdown Rate (cm/hr)	-0.2	-0.3	-0.2	0.0	0.0	-0.7	-0.3	-0.5	-0.5	-0.5	-0.7	-0.7

Note: The above values are representative of average monthly conditions and operating scenarios. These values are not intended nor should they be used to represent compliance targets or operating limits.

Vermillion River: Wabageshik Rapids

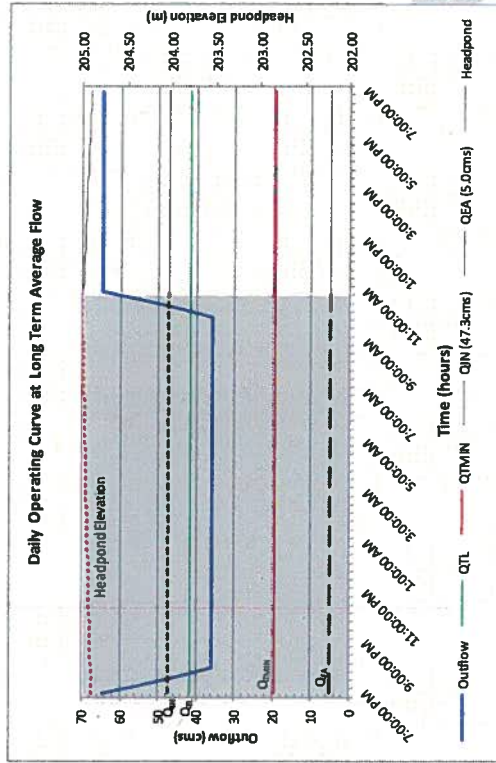


Figure 1

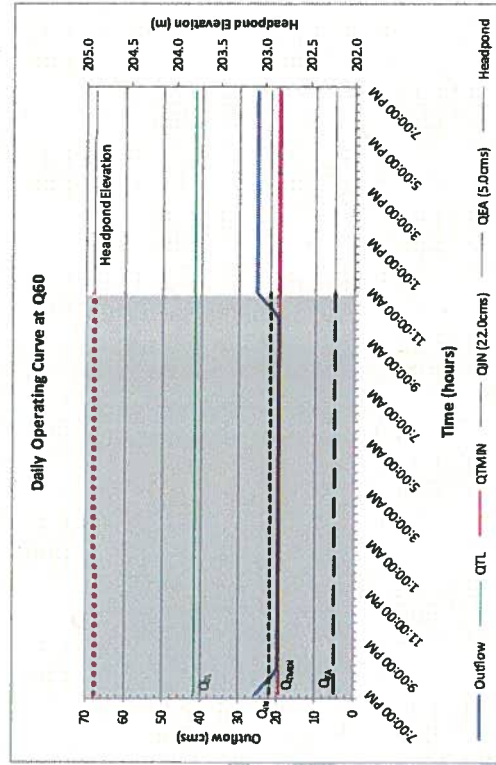


Figure 2

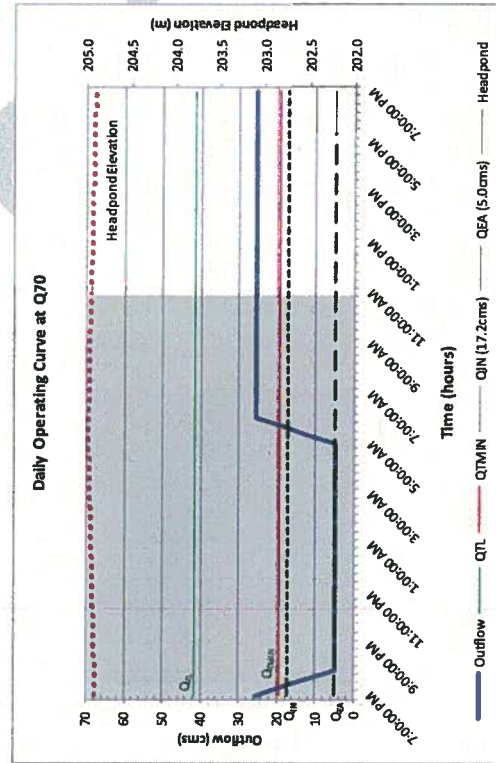


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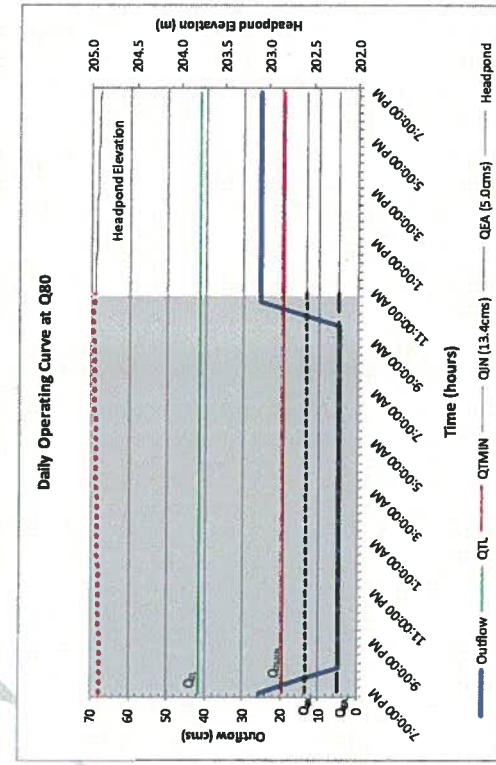


Figure 4

Vermillion River: Wabageshik Rapids

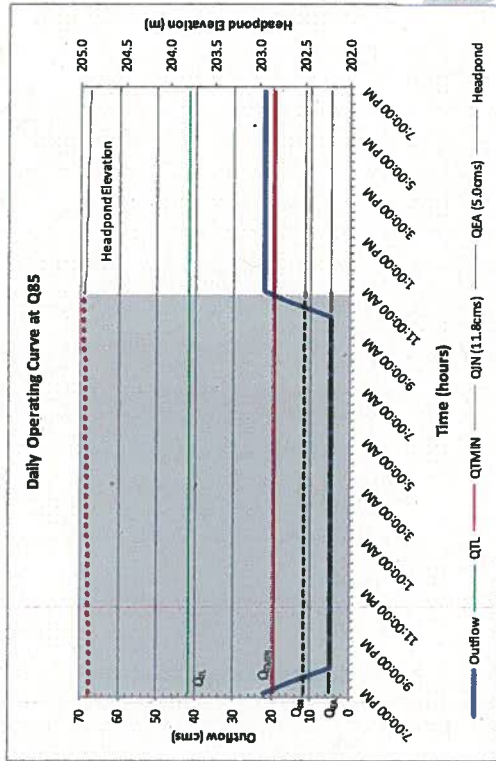


Figure 5

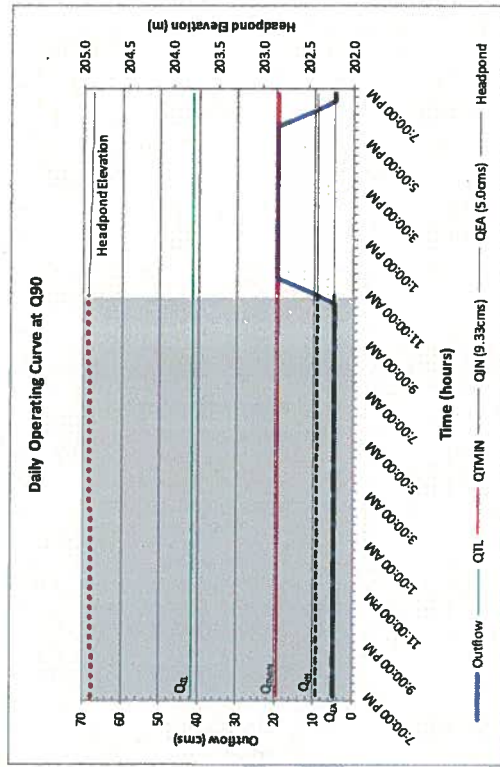


Figure 6

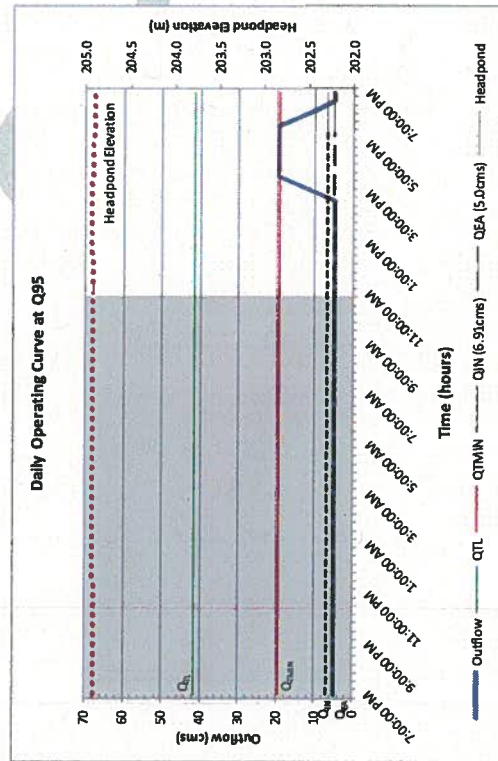


Figure 7

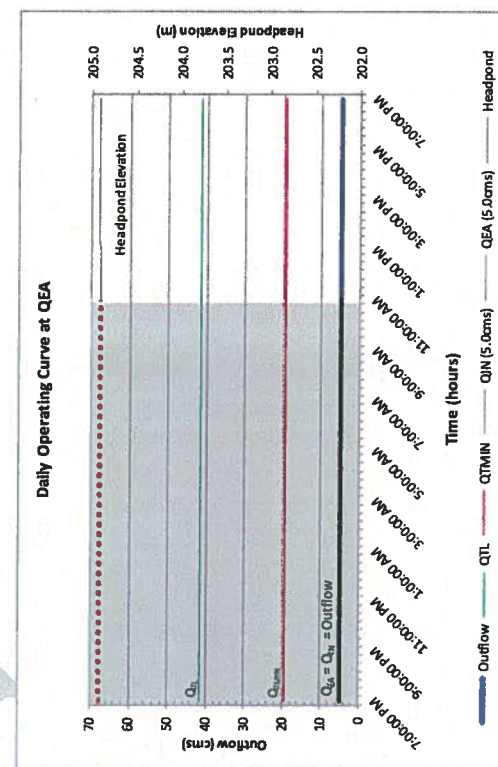


Figure 8

Vermilion River: Wabageshik Rapids

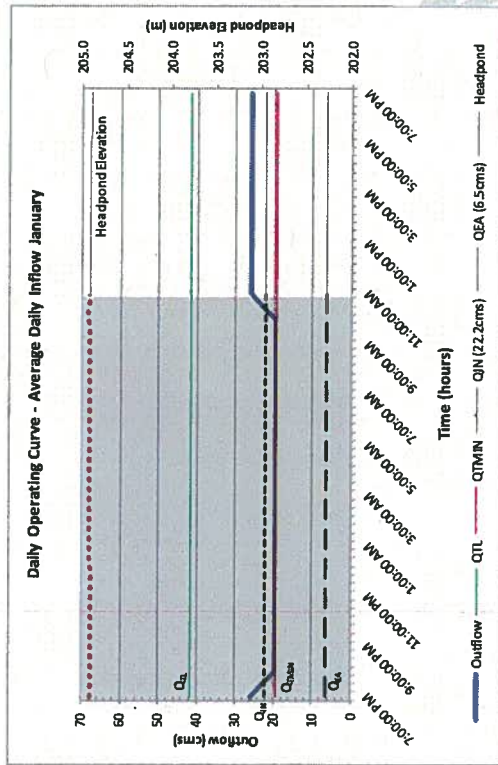


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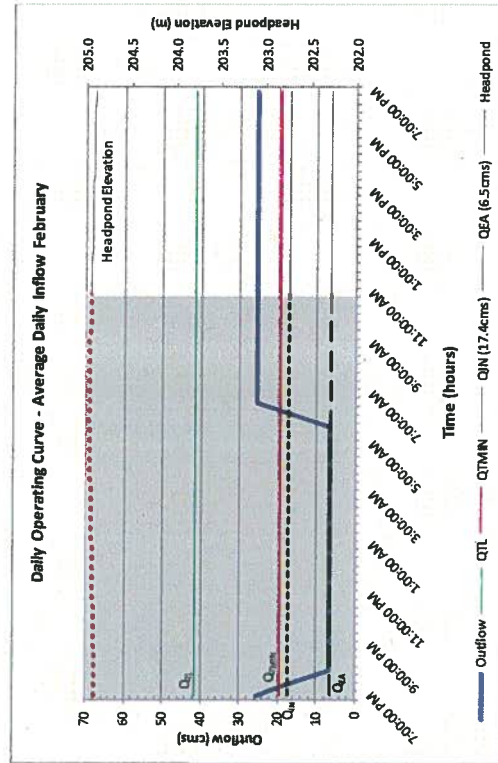


Figure 10

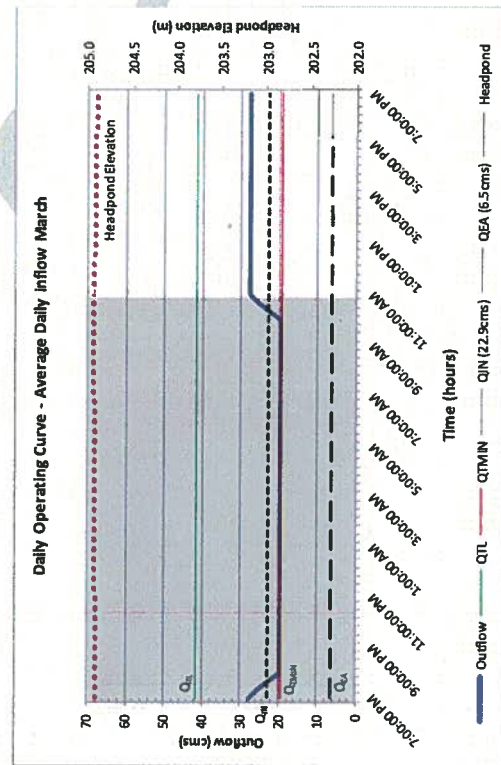


Figure 11

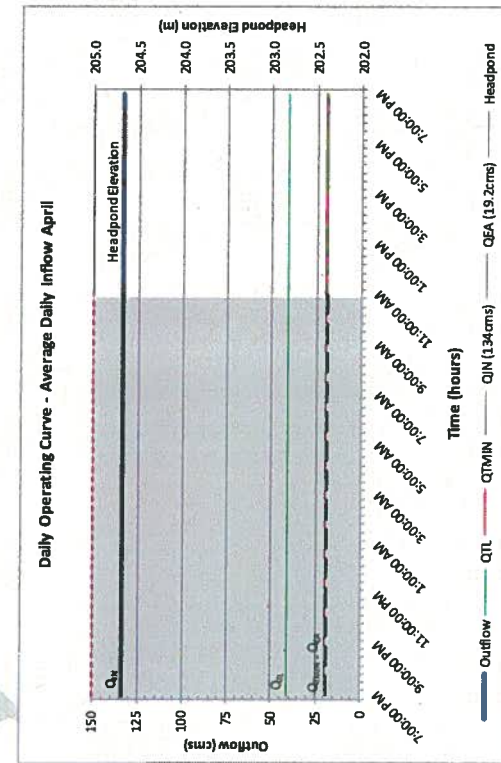


Figure 12

Vermillion River: Wabageshik Rapids

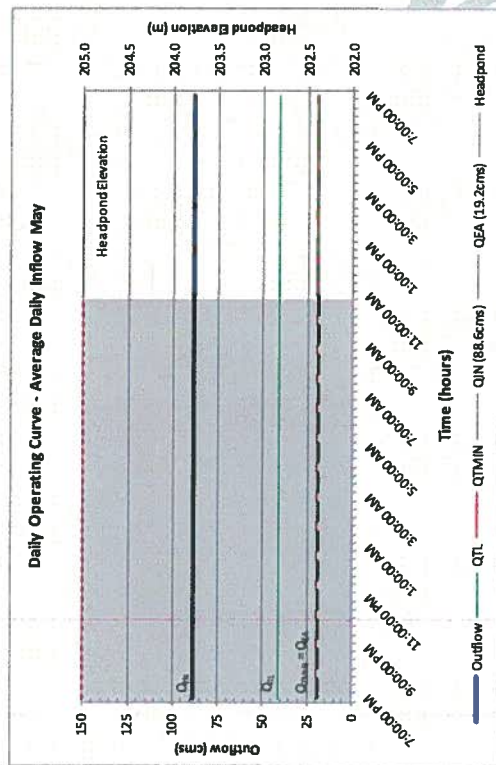


Figure 13

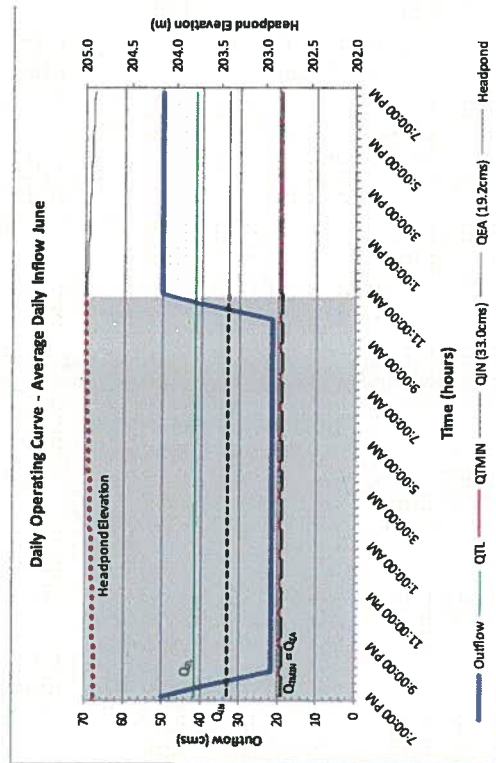


Figure 14

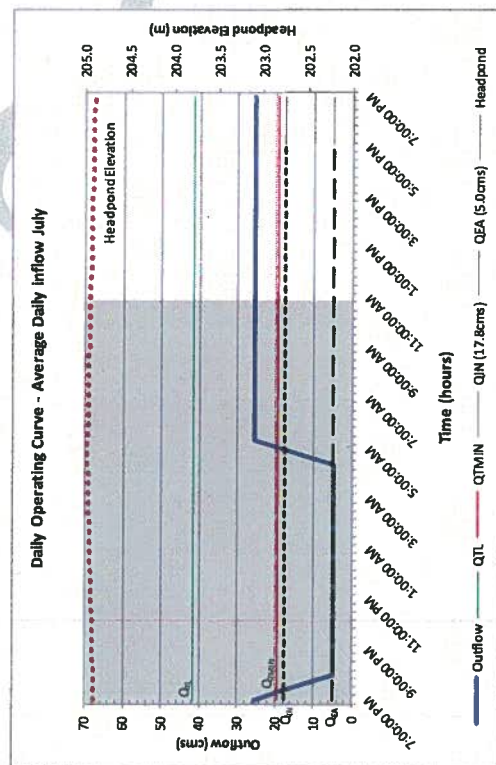


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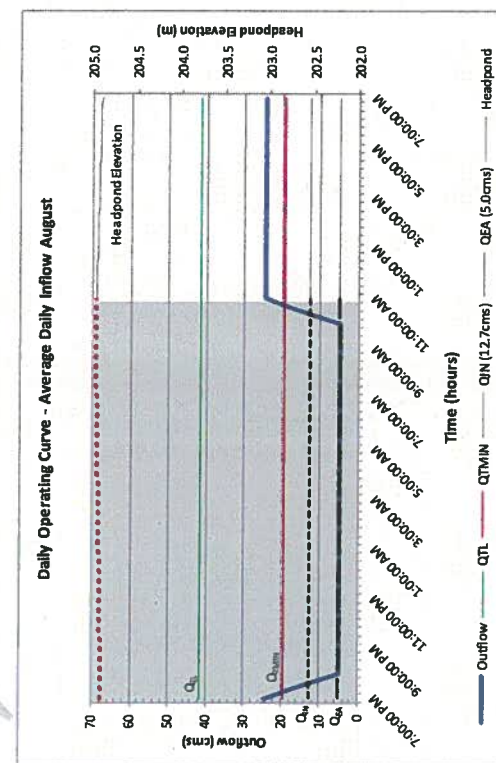


Figure 16

Vermilion River: Wabageshik Rapids

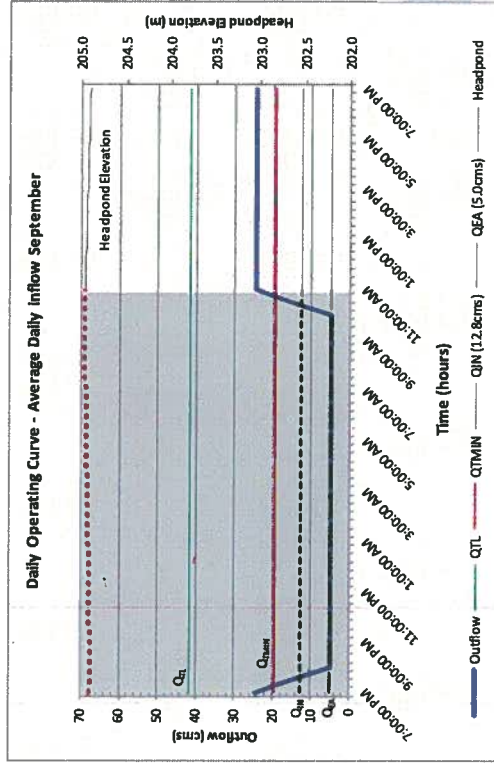


Figure 17

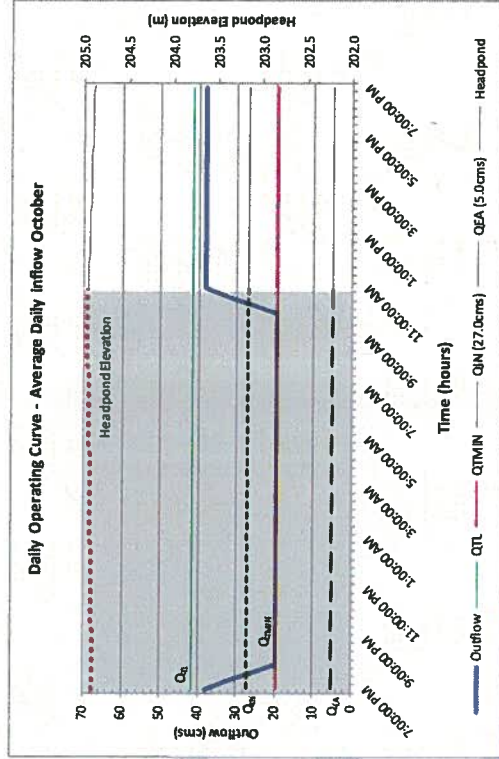


Figure 18

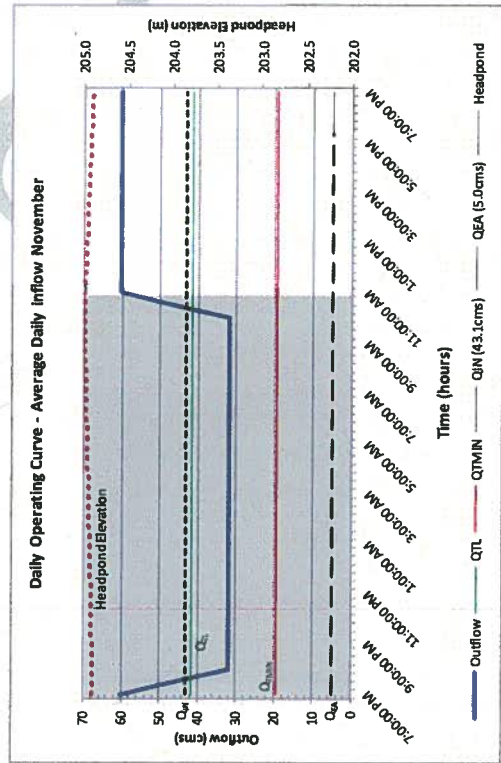


Figure 19

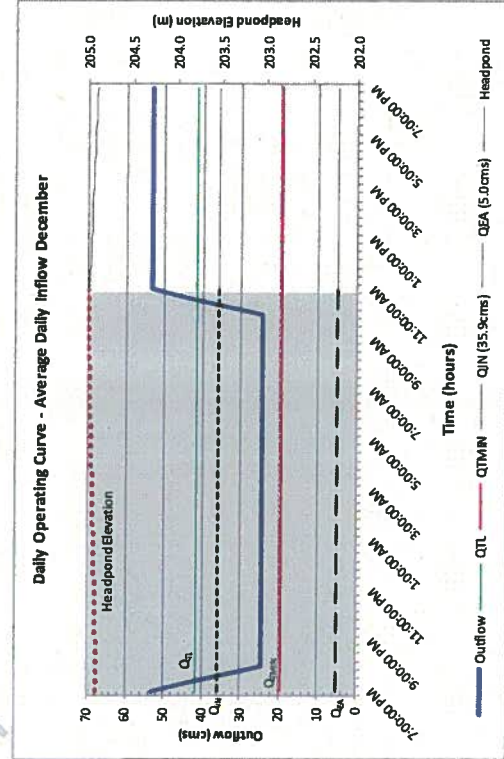


Figure 20

Caitlin Kenny

From: Mark Holmes <mholmes@xeneca.com>
Sent: April-24-13 10:26 AM
To: Semeniuk, Sharon (ESP)
Cc: Uwe Roeper; Nava Pokharel; Stephanie Hodsoll
Subject: RE: Domtar Dialogue
Attachments: DomtarMitigationLtrRev3.docx

April 24, 2013

Dear Sharon:

I am following up on your e-mail of April 18, 2013 regarding the operation of the proposed Wabageshik project and impacts on the Domtar Dam. Please note that Xeneca is committed to operate Wabageshik so as to avoid downstream impacts on Domtar's hydroelectric facilities, effluent treatment, revenue generation and environmental flow commitments.

In addition to the concerns expressed on previous occasions, your e-mail also raises a concern about potential loss of revenue generation from Domtar Dam. We would like to address this concern and the other points noted in your e-mail as follows:

- 1) **Operating Plan:** I am enclosing the most recent draft of the Operating Plan. Table 6 of the plan incorporates some of the commitments made to Domtar so far. Please note that any additional commitments made in this e-mail have not been incorporated yet.
- 2) **Minimum Flow:** Xeneca is very aware of Domtar's concern on minimum flows. Xeneca submitted an "Impact Mitigation" letter in draft to Domtar for review on January 31, 2013. The letter outlines the operating commitments that Xeneca is proposing to avoid impacts on Domtar. We would welcome any feedback or discussion on the letter.
- 3) **Revenue Loss:** We thank you for raising the concern about the wasting of water and revenue loss as outlined in your e-mail of April 18. We believe there is a simple solution to address this concern by committing to return to run-of-river operation (outflows = natural inflows) whenever Domtar reaches the limits of its operating band. We have added text to the Impact Mitigation letter to this effect. An updated draft is attached for your review (see newly added text in yellow highlights).
- 4) **Operating Costs:** We thank you for raising the concern about manpower to address operating impacts. We believe that additional operator intervention is not required if the draft Impact Mitigation letter is implemented. Indeed Xeneca has some ideas for further streamlining the operation of Domtar Dam, using the upstream flow information that Wabageshik GS will provide.

We too believe the best way to reach consensus is to discuss in person the draft of the Impact Mitigation letter, and we thank you for making May 16 available for that purpose. Looking forward to speaking with you and your team at that time. If you have any further advance questions or informational needs, do not hesitate to contact me or my colleagues Stephanie Hodsoll or Nava Pokharel.

Best regards,

Mark Holmes
Vice President

Corporate Affairs
Xeneca Power Development

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From: Semeniuk, Sharon (ESP) [mailto:Sharon.Semeniuk@domtar.com]
Sent: Tuesday, April 23, 2013 4:56 PM
To: Stephanie Hodsoll
Cc: Mark Holmes
Subject: RE: Domtar Dialogue

Good Afternoon,

I have successfully set up a meeting for May 16th at 10am here in Espanola, pending receiving information to review beforehand. We will require a good two weeks for data review – the early the better for the information package to be received as we are heading into spring run off now. The rains actually missed us so minimal localized flooding here, so far.....

Sharon Semeniuk, Sr. Environmental Engineer
Espanola Mill
[REDACTED]


Domtar
1 Station Road
Espanola, ON P5E 1R6 Canada

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From: Stephanie Hodsoll [mailto:SHodsoll@xeneca.com]
Sent: Monday, April 22, 2013 11:08 AM
To: Semeniuk, Sharon (ESP)
Cc: Mark Holmes
Subject: RE: Domtar Dialogue

Hi Sharon,

Thanks for your email. We are thinking of you all in the Sudbury area as the floods start to hit central/northern Ontario! Yes, the operating information has been updated since July 2012. We will work on putting together a package with the proper documents to show you how we plan to operate without negatively impacting Domtar's operations. I will be in touch shortly with this information.

In terms of meeting dates, we'd like to propose either Wednesday, May 22 (anytime after 10:30 a.m.) or Friday, May 24 (earlier in the day would be preferable.)
If that week is not possible, Mark could fly up to meet you on Wednesday May 15 or Thursday May 16.

Please let me know what works best for you.

Thanks,
Steph

Stephanie Hodsoll
Stakeholder Relations
Xeneca Power Development
5255 Yonge St., Suite 1200
North York, ON M2N 6P4
(416) 590-3077

From: Semeniuk, Sharon (ESP) [REDACTED]
Sent: Thursday, April 18, 2013 3:31 PM
To: Mark Holmes
Cc: Stephanie Hodsoll
Subject: RE: Domtar Dialogue

Good Afternoon,

The 1st week of May (ie dates from April 29th to May 10th) I will rule out now due to expected peaking of spring flood. The week of May 13th would be best at this time. Can you please propose a date? I would prefer a face to face meeting.

Can you please confirm if the information on your website with respect to this project is current (it's the PIC panels from July 2012)? We would like proposed operating plans (ie flow discharges) based on month and your expected inflows (ie weather conditions). If you could provide current proposed operating plans in an easy to read format (ie the PIC panels are hard to read) it would be appreciated.

Of concern to Domtar that we would like to discuss:

1. Minimum flows to ensure we can discharge our effluent 24 hours per day without adversely impacting dissolved oxygen levels in the river. We currently require a minimum of 600cfs instantaneous as measured at Espanola for safe effluent discharge. A daily average is not adequate to protect aquatic life. We already use

the 1 foot forebay variability to coordinate current upstream fluctuations to ensure we maintain 600cfs discharge 24 hours per day as measured at Espanola. We discussed this in November but just want to clarify.

2. **Wasting of water.** Our hydroelectric facility can handle about 3500 cfs maximum (or thereabouts – we are looking to increase this to 3800cfs). Our operating room at the dam headpond is 3 feet height, of which we use only 1 foot for operation in order to have available freeboard in case of sudden weather changes or unexpected upstream fluctuations or sudden generator failure. I am trying to get this item fleshed out in detail from our power dept. **Having current Xeneca operating plans would facilitate this item.** We are concerned that Domtar would not be generating as much hydroelectricity with the peaking flows proposed by Xeneca, as water would be wasted over our Main dam. This would represent an increase in domtar's operating cost due to purchase electricity (and not necessarily generated from green sources). Wasting of water is to be avoided entirely and is not acceptable to Domtar.
3. **Change in man power required to minimize wasting of water.** Dam management is currently done manually by employees assigned to other duties . Typically we only fully man our dam during spring flood and rainstorms. Increased day to day dam moves would increase our operating costs.

Sharon Semeniuk, Sr. Environmental Engineer
Espanola Mill
[REDACTED]



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From: Mark Holmes [<mailto:mholmes@xeneca.com>]
Sent: Thursday, April 18, 2013 1:47 PM
To: Semeniuk, Sharon (ESP)
Cc: Stephanie Hodsoll
Subject: RE: Domtar Dialogue

Good afternoon Sharon:

Great speaking with you at the walleye conference on Saturday. Appreciate some of the challenges you are facing in getting the Xeneca files in front of the right staff but as discussed, we need to get closure on any remaining issues and get the MOU in place.

Also want to reiterate that we would be pleased to assist on possible improvement of your hydro operations to maximize benefits to Domtar.

Know that you are busy managing potential flood conditions so can we organize a meeting (in person or telecom) for the first or second week of May.

Thanks and best regards,

Mark

From: Mark Holmes
Sent: Tuesday, April 02, 2013 2:35 PM
To: 'Semeniuk, Sharon (ESP)'
Cc: 'Brendan.OFarrell@ontario.ca'; Uwe Roeper; Selinger, Wayne (MNR); Stephanie Hodsoll
Subject: FW: Domtar Dialogue

April 2, 2013

Good afternoon Sharon:

As you are no doubt aware, we have been meeting with MNR frequently in recent weeks to build consensus on approach to addressing issues raised regarding our Wabageshik Rapids project. We believe we have agreement on most but there appears need for closure on effects downstream and it makes sense to have Domtar, MNR and Xeneca all at the table as there may be some additional questions on our operating plan and commitments we have outlined in the draft MOU we have prepared for you.

If you could forward some April dates of availability to me and my colleague Stephanie Hodsoll we will do our best to coordinate the meeting.

Very best regards,

Mark

Mark Holmes
Vice President
Corporate Affairs
Xeneca Power Development

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From: Uwe Roeper
Sent: Tuesday, April 02, 2013 9:39 AM
To: O'Farrell, Brendan (MNR)
Cc: Robinson, Bob L. (MNR); Riche, Brian (MNR); Selinger, Wayne (MNR); Mark Holmes
Subject: RE: Domtar Dialogue

Much appreciated, thanks.

From: O'Farrell, Brendan (MNR) [<mailto:Brendan.OFarrell@ontario.ca>]
Sent: Tuesday, April 02, 2013 9:34 AM
To: Mark Holmes; Uwe Roeper
Cc: Robinson, Bob L. (MNR); Riche, Brian (MNR); Selinger, Wayne (MNR)
Subject: Domtar Dialogue

Good Morning Mark and Uwe,

As discussed last week (Thursday), Brian met with Sharon from Domtar who has expressed an interest and willingness to meet with Xeneca to discuss any issues (flows, MOU, etc.) that are currently on the table which we think is a positive step in the right direction. I'll leave the ball now in your court to coordinate discussions with Domtar, please keep us updated.

Thanks!

Brendan O'Farrell

A/Project and Information Management Specialist
Ontario Ministry of Natural Resources
3767 Hwy 69 South, Suite 5
Sudbury, Ontario P3G 1E7

Phone: (705) 564-7849
Cell: (705) 618-4328
Fax (705) 564-7879
E-Mail: brendan.ofarrell@ontario.ca

In order for us to serve you better, please call ahead to make an appointment with our staff.

Caitlin Kenny

From: Stephanie Hodsoll <SHodsoll@xeneca.com>
Sent: July-18-13 11:37 AM
To: Nava Pokharel; Uwe Roeper; Ed Laratta; Lynn Moreau; Tami Sugarman; Muriel Kim
Cc: Mark Holmes
Subject: FW: Domtar and Xeneca Dialogue
Attachments: RE: Wabagishik GS - Draft Domtar Meeting Minutes_16may13.docx

FYI

Stephanie Hodsoll
Stakeholder Relations
Xeneca Power Development
5255 Yonge St., Suite 1200
North York, ON M2N 6P4
(416) 590-3077

From: Semeniuk, Sharon (ESP) [mailto:Sharon.Semeniuk@domtar.com]
Sent: Thursday, July 18, 2013 10:06 AM
To: Mark Holmes
Cc: Smith, Karen (ESP); Cooper, Joe (ESP); Stephanie Hodsoll
Subject: RE: Domtar and Xeneca Dialogue

Good Morning,

As per the attached response to the minutes of May 16th (I was absent from that meeting) meeting, Domtar cannot endorse this project without additional studies being conducted to ensure that there are no negative impacts on the Domtar, Espanola operation including potential impact on the assimilative capacity of the Spanish river downstream of the Espanola Mill. As was reviewed during the meeting, the EA process has not included potential impacts on the lower Spanish River.

Can Xeneca please share/explain further "a lot of work that has already been done". We have missed this in the EA draft, can you please point this out specifically?

As well, we had not raised strongly the issue of aquatic impacts, but are concerned of the impact of hourly flow fluctuations on aquatic species such as Lake Sturgeon that are known to stage at the Espanola facility.

Sharon Semeniuk, Sr. Environmental Engineer
Espanola Mill
[REDACTED]

 **Domtar**
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Espanola, ON P5E 1R6 Canada

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From: Mark Holmes [mailto:mholmes@xeneca.com]
Sent: Monday, July 15, 2013 4:51 PM
To: Semeniuk, Sharon (ESP)
Cc: Smith, Karen (ESP); Cooper, Joe (ESP); Stephanie Hodsoll
Subject: RE: Domtar and Xeneca Dialogue

Good afternoon Sharon/ Karen

Just following up on our June 6 response to the Hatch quote and scope for review of the hydrological effects of the proposed Wabageshik Rapids project and want to know if any further dialogue is required.

The Hatch scope covered a lot of work that has already been done and seemed unnecessarily expensive.

We would be pleased to discuss this further with you and then move forward with the review, hopefully leading to an agreement that will have mutual benefits for our respective parties.

Best regards,

Mark Holmes
Vice President
Corporate Affairs
Xeneca Power Development

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From: Semeniuk, Sharon (ESP) [REDACTED]
Sent: Wednesday, June 05, 2013 8:49 AM
To: Brendan.OFarrell@ontario.ca

Cc: Mark Holmes; Uwe Roeper; Selinger, Wayne (MNR) (wayne.selinger@ontario.ca); Stephanie Hodsoll; ellen.cramm@ontario.ca; Smith, Karen (ESP); Cooper, Joe (ESP)
Subject: re: Domtar and Xeneca Dialogue

Good Afternoon,

Domtar personnel met with Xeneca (Mark Holmes, Nava Pokharel, Lynn Moreau) on May 16th as planned – I was unable to participate, but Xeneca met with Karen Smith (Environmental Manger), Joe Cooper (Manger of Engineering and Power Distribution), and Scott Mosher (General Mill Manager).

At the meeting a good technical discussion ensued. It was determined that the impact of the proposed Wabagishik project on the Espanola hydroelectric generation plant and dam operation is not known. On May 16th Domtar solicited a quotation from Hatch Engineering to review the Wabagishik Project to determine the Project's impact on Domtar's ability to produce hydroelectric power and impact on the Domtar dam operation itself (ie effort required to maintain upstream levels within operating range). This proposal was received on May 31st and forwarded on June 4th to Xeneca for their consideration. The proposed review will take 1 month from approval to complete.

Xeneca provided a third version of their MOU, which is under review by Domtar's Corporate legal department. However, until the impact of the Project on the Domtar operation is known, no agreement can be made with respect to this project.

Sharon Semeniuk, Sr. Environmental Engineer
Espanola Mill
[REDACTED]



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Espanola, ON P5E 1R6 Canada

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From: O'Farrell, Brendan (MNR) [<mailto:Brendan.OFarrell@ontario.ca>]
Sent: Monday, June 03, 2013 2:50 PM
To: 'Mark Holmes'; Semeniuk, Sharon (ESP)
Cc: Uwe Roeper; Selinger, Wayne (MNR); Stephanie Hodsoll; Cramm, Ellen (ENE)
Subject: RE: Domtar Dialogue

Good afternoon Mark and Sharon,

MNR and MOE are collaborating this week to try and get out a joint response complete with outstanding MNR and MOE comments on the several documents provided by Xeneca to both agencies for review.

Part of that response somewhat hinges on discussion/dialogue/agreement between Xeneca and Domtar however since initiated, we have not heard if a meeting has taken place to discuss the issues tabled at the time.

Would it be possible for you to update me (us) on any discussions or progress to date?

Thanks.

Brendan O'Farrell

A/Project and Information Management Specialist
Ontario Ministry of Natural Resources
3767 Hwy 69 South, Suite 5
Sudbury, Ontario P3G 1E7

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Fax (705) 564-7879

E-Mail: brendan.ofarrell@ontario.ca

In order for us to serve you better, please call ahead to make an appointment with our staff.

From: Mark Holmes [<mailto:mholmes@xeneca.com>]

Sent: April 12, 2013 1:59 PM

To: O'Farrell, Brendan (MNR); Semeniuk, Sharon (ESP)

Cc: Uwe Roeper; Selinger, Wayne (MNR); Stephanie Hodsoll

Subject: RE: Domtar Dialogue

Absolutely this would be helpful! Sharon and her colleagues have been consistent in the concerns they have raised a previous meetings i.e. effluent treatment at low water, managed headpond/forebay levels etc.

However, if there are other concerns we've not discussed we would be pleased to review and address in advance of a sit down meeting.

Further to Sharon's email yesterday, we would be pleased to provide a detailed walk through the proposed flows and mitigation of effects on Domtar's operation.

Leading up to this point consult with Domtar has included but is not limited to the following:

May 12, 2012 - Teleconference re. downstream flows and operating parameters/any other questions with Mike, Nava, Mark & Sharon

May 30, 2012 teleconference

July 19, 2012 – Mark sent Sharon a CD with unsteady state modeling for Wabagishik Rapids

July 26, 2012 – Uwe sent Sharon draft operating plan

November 8, 2012 – Mark met with Sharon (Uwe participated via teleconference)

November 2011, email correspondence

Meetings at PIC

January 2012 meeting/ MOU

We look forward to further discussing this project at the earliest possible juncture.

Best regards,

Mark

From: O'Farrell, Brendan (MNR) [<mailto:Brendan.OFarrell@ontario.ca>]

Sent: Friday, April 12, 2013 8:47 AM

To: 'Semeniuk, Sharon (ESP)'; Mark Holmes

Cc: Uwe Roeper; Selinger, Wayne (MNR); Stephanie Hodsoll
Subject: RE: Domtar Dialogue

Hi Sharon and thanks for the E-mail.

Without engaging myself or MNR as the middle person here, I would think that Xeneca may be better equipped and prepared when at the table if they had a detailed and concise list of concerns (issues) or information requirements from Domtar and therefore able to address them in a meeting agenda.

Instead of hoping or expecting that Xeneca covers all concerns, I'm just thinking that if they were laid out clearly by Domtar in a brief document ahead of any face to face meeting, it would give Mark and his crew a little time to make sure they are addressed.

Would this be of any value Mark?

Brendan O'Farrell

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E-Mail: brendan.ofarrell@ontario.ca

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From: Semeniuk, Sharon (ESP) [REDACTED]
Sent: April 11, 2013 4:58 PM
To: Mark Holmes
Cc: O'Farrell, Brendan (MNR); Uwe Roeper; Selinger, Wayne (MNR); Stephanie Hodsoll
Subject: RE: Domtar Dialogue

Good Afternoon,

In order to sign an MOU Domtar would need detailed information on flows from the proposed project. There is data available online but we would appreciate a detailed presentation/review of this project and its proposed impact/nonimpact on Domtar's current operation with respect to protection of downstream fisheries due to effluent discharge (dissolved oxygen) and with respect to Domtar's ability to produce green electricity for self consumption.

The one meeting we have had with Xeneca, no information was provided (ie no handouts). A brief presentation was shown that did not address Domtar's concerns and had been intended for another stakeholder.

I have again asked the appropriate personnel on site to provide their availabilities. Please provide a detailed agenda of discussion items to be proposed, and what information is to be shared.

Thank you.

Sharon Semeniuk, Sr. Environmental Engineer
Espanola Mill
[REDACTED]



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From: Mark Holmes [<mailto:mholmes@xeneca.com>]
Sent: Tuesday, April 02, 2013 2:35 PM
To: Semeniuk, Sharon (ESP)
Cc: Brendan.OFarrell@ontario.ca; Uwe Roeper; Selinger, Wayne (MNR); Stephanie Hodsoll
Subject: FW: Domtar Dialogue

April 2, 2013

Good afternoon Sharon:

As you are no doubt aware, we have been meeting with MNR frequently in recent weeks to build consensus on approach to addressing issues raised regarding our Wabageshik Rapids project. We believe we have agreement on most but there appears need for closure on effects downstream and it makes sense to have Domtar, MNR and Xeneca all at the table as there may be some additional questions on our operating plan and commitments we have outlined in the draft MOU we have prepared for you.

If you could forward some April dates of availability to me and my colleague Stephanie Hodsoll we will do our best to coordinate the meeting.

Very best regards,

Mark

Mark Holmes
Vice President
Corporate Affairs
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From: Uwe Roeper
Sent: Tuesday, April 02, 2013 9:39 AM
To: O'Farrell, Brendan (MNR)
Cc: Robinson, Bob L. (MNR); Riche, Brian (MNR); Selinger, Wayne (MNR); Mark Holmes
Subject: RE: Domtar Dialogue

Much appreciated, thanks.

From: O'Farrell, Brendan (MNR) [<mailto:Brendan.OFarrell@ontario.ca>]
Sent: Tuesday, April 02, 2013 9:34 AM
To: Mark Holmes; Uwe Roeper
Cc: Robinson, Bob L. (MNR); Riche, Brian (MNR); Selinger, Wayne (MNR)
Subject: Domtar Dialogue

Good Morning Mark and Uwe,

As discussed last week (Thursday), Brian met with Sharon from Domtar who has expressed an interest and willingness to meet with Xeneca to discuss any issues (flows, MOU, etc.) that are currently on the table which we think is a positive step in the right direction. I'll leave the ball now in your court to coordinate discussions with Domtar, please keep us updated.

Thanks!

Brendan O'Farrell

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Ontario Ministry of Natural Resources
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E-Mail: brendan.ofarrell@ontario.ca

In order for us to serve you better, please call ahead to make an appointment with our staff.

Muriel Kim

Subject: FW: Wabagishik GS - Final Domtar Meeting Minutes_16may13.docx

From: Stephanie Hodsoll
Sent: Thursday, July 18, 2013 3:59 PM
To: 'Smith, Karen (ESP)'
Cc: Mosher, Scott; Cooper, Joe (ESP); Semeniuk, Sharon (ESP)
Subject: RE: Wabagishik GS - Draft Domtar Meeting Minutes_16may13.docx

Thanks for your comments, Karen. I appreciate you all taking the time to review the minutes.

I have incorporated your comments in the final version (attached.)

Yours truly,
Steph

Stephanie Hodsoll
Stakeholder Relations
Xeneca Power Development
5255 Yonge St., Suite 1200
North York, ON M2N 6P4
(416) 590-3077

From: Smith, Karen (ESP) [<mailto:Karen.Smith@domtar.com>]
Sent: Thursday, July 18, 2013 9:32 AM
To: Stephanie Hodsoll
Cc: Mosher, Scott; Cooper, Joe (ESP); Semeniuk, Sharon (ESP)
Subject: RE: Wabagishik GS - Draft Domtar Meeting Minutes_16may13.docx

Hello Stephanie,

Please see our comments below:

Domtar generally agrees with the May 16 meeting minutes as recorded with the following corrections:

- Paragraph 1 (after "Opening remarks" heading) which starts with "MH provided background on Xeneca.....". This should be revised to read "Xeneca is **proposing** to build the Wabagishik facility....."
- Paragraph 11 (after "Opening Remarks" heading) which starts with "It was noted that Domtar does not operate their facility....." This should be revised to read "**Domtar does not have personnel assigned exclusively to their Hydro Generating station.**" The Espanola power facility is operated by on site personnel.

As discussed at the May 16 meeting Domtar cannot endorse this project without additional studies being conducted to ensure that there are no negative impacts on the Domtar, Espanola operation including potential impact on the assimilative capacity of the Spanish river downstream of the Espanola Mill. As was reviewed during the meeting, the EA process has not included potential impacts on the lower Spanish River.

Karen W. Smith P.Eng MBA
Manager, Quality and Environment
P 705-869-2020 x523 | F 705-869-4862 | M 705-862-0663



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Ontario P5E 1R6

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From: Stephanie Hodsoll [<mailto:SHodsoll@xeneca.com>]
Sent: Thursday, July 11, 2013 12:00 PM
To: Mosher, Scott; Smith, Karen (ESP); Cooper, Joe (ESP)
Cc: Stephanie Hodsoll
Subject: RE: Wabagishik GS - Draft Domtar Meeting Minites_16may13.docx

Good morning Scott, Karen & Joe! Just circling back regarding these minutes.
Could you please give me an estimate of when you think you will be able to review them?
Would the end of next week (July 19) be possible?

Thanks,
Steph

Stephanie Hodsoll
Stakeholder Relations
Xeneca Power Development
5255 Yonge St., Suite 1200
North York, ON M2N 6P4
(416) 590-3077

From: Stephanie Hodsoll
Sent: Wednesday, July 03, 2013 2:56 PM
To: 'scott.mosher@domtar.com'; 'karen.smith@domtar.com'; 'joe.cooper@domtar.com'
Subject: RE: Wabagishik GS - Draft Domtar Meeting Minites_16may13.docx

Hi everyone, Hope you had a nice Canada Day weekend.

Do you think you may be able to have these minutes back to me by the end of next week (July 12)??

Please let me know.

Thanks!
Steph

Stephanie Hodsoll
Stakeholder Relations
Xeneca Power Development
5255 Yonge St., Suite 1200
North York, ON M2N 6P4
(416) 590-3077

From: Stephanie Hodsoll
Sent: Tuesday, June 18, 2013 10:00 AM

To: scott.mosher@domtar.com; 'karen.smith@domtar.com'; joe.cooper@domtar.com
Subject: FW: Wabagishik GS - Draft Domtar Meeting Minutes_16may13.docx

Hi everyone, just wanted to check in and give a friendly reminder that I had asked for these minutes back by Thursday, June 20.

If you need more time, can you please let me know when you think you will have a chance to review them?

Thank you!
Steph

Stephanie Hodsoll
Stakeholder Relations
Xeneca Power Development
5255 Yonge St., Suite 1200
North York, ON M2N 6P4
(416) 590-3077

From: Stephanie Hodsoll
Sent: Thursday, June 06, 2013 4:53 PM
To: scott.mosher@domtar.com; 'karen.smith@domtar.com'; joe.cooper@domtar.com
Cc: Semeniuk, Sharon (ESP); Mark Holmes
Subject: Wabagishik GS - Draft Domtar Meeting Minutes_16may13.docx

Hi everyone,

Please review these draft meeting minutes from your May 16 meeting with Mark, Nava & Lynn.

If you have any edits, it would be greatly appreciated if you could let me know within 2 weeks – by Thursday, June 20.

Thanks,
Steph

**Xeneca/Domtar Meeting
May 16, 2013
Domtar Mill, Espanola**

Attending:

Scott Mosher (Domtar General Manager)
Karen Smith (Domtar Manager Quality and Environment)
Joe Cooper (Domtar Engineering)

Mark Holmes (Xeneca)
Nava Pokharel (Xeneca)
Lynn Moreau (OEL-HydroSys)

Introductions:

MH thanked Domtar for committing time and staff to discuss the Wabagishik GS proposal and the efforts Xeneca has made to ensure there will not be negative impacts on Domtar's operations and environmental obligations.

Opening Remarks:

MH provided background on Xeneca as a company and the Feed-in-Tariff (FIT) process under which Xeneca is proposing to build the Wabagishik facility, as well as 18 other waterpower facilities across Ontario. The Wabagishik draft EA was previously issued to agencies and stakeholders. The project started in 2010, and is contracted under FIT. Wabagishik is due to be commissioned by 2016. The Ontario Waterpower Association Class Environmental Assessment (Class EA) was meant to streamline the process; however, there are many new regulatory requirements as a result.

Xeneca is currently dealing with nine federal and provincial government agencies, possibly up to 17. Xeneca has offered Aboriginal participation in the project, and Xeneca staff have conducted extensive stakeholder consultations. The project was initiated in part due to the Green Energy Act. Historically, there have been a number of different procurement strategies for green energy. These began with the NUG program, then RESOP. The project was identified during an OPG procurement process through development of site maps.

The Wabagishik project has 3.4 MW with a 6 metre potential head. The operation will be highly automated, with remote operation. It will be a very responsive facility.

The Xeneca team has already constructed the Misema GS, which was built in 2005. It is currently working on McGraw Falls which is slated for construction this year. The Wabagishik project will have a 40-year contract.

Timelines associated with completion of the Wabagishik EA, securing permits and approvals and then construction and operation were outlined.

The meeting heard that it would be ideal to have a Memorandum of Understanding (MOU) or Letter of Intent in place with Domtar in advance of the final EA, which is expected to be issued in late June or early July 2013.

Responding to questions from KS, NP said the signal from the Wabagishik project would take about two hours to reach the Domtar headpond.

It was noted that flows in the river reached a low of just 400 – 600 cfs in the summer of 2012. Given that Domtar requires a minimum of 600 cfs to meet its environmental commitments for effluent dilution and water oxygenation, such low flow-events are high problematic.

NP explained that under such low-flow conditions, Xeneca would not hold back water but would instead provide all available flow to Domtar. It was also noted that 60 percent of the flow reaching Domtar is from the Spanish River and about 40 percent originates from the Vermilion.

SM also noted concern over higher flows. With several waterpower operators (Nairn Centre, High Falls on the Spanish River and Lorne Falls on the Vermilion) upstream of Domtar, their facility must process all the water that is sent to them. Another operator on the system could create a situation in which too much water reaches the Domtar headpond. Water that cannot be process through Domtar turbines would have to be spilled and result in a loss of generating revenue.

It was noted that Domtar does not have personnel assigned exclusively to the Espanola hydro generating station. Normally, workers from the mill are called upon to remove or install stop logs, and the plant is then set to operate at a pre-determined headpond level. As such, Domtar cannot easily be responsive to unforeseen flow events.

NP suggested consideration for flow monitoring equipment in the Spanish River near the Highway 17 bridge downstream of Nairn Centre. Xeneca will provide real-time flow information from the Wabagishik GS in the Vermilion, and Domtar could use the data collected from the Spanish and Vermilion rivers to get a measure of total flows expected at the Domtar facility.

COMMITMENT: NP committed Xeneca's assistance to Domtar in optimizing its hydro generation operations.

Natural lake levels must be maintained at Wabagishik Lake with a variation of no more than plus or minus 5 centimeters.

MH and NP explained that, unlike the current operators on the system, Xeneca's Wabagishik facility is fully automated and can respond quickly to either avoid unwanted flow events or to alert Domtar to changing conditions.

SM said there would have to be substantive legal review to ensure indemnification of Domtar.

SM also noted that global adjustment programs also have an impact on Domtar and its generation. Global adjustment can reward large industrial consumers of electricity for generating electricity during high-demand times, and for consuming less during periods of high demand. Conversely, costs can increase for industry for consumption during peak periods.

SM said he remains cautious that Xeneca's Wabagishik plant can operate in a manner that does not cause problems for Domtar. He observed that power generation is not Domtar's core business and that any commitments made by Xeneca must be at no cost to Domtar.

Before an MOU can be signed, SM summarized Domtar's needs as follows:

- 1) Low-flow issue must be resolved to their satisfaction
- 2) No cost to Domtar
- 3) Xeneca must ensure indemnification
- 4) High-flow issues must be resolved
- 5) A good dispute resolution mechanism must be put into place

The meeting heard that Domtar would like an accredited third party review of Xeneca's operating plans and commitments. It was noted that Domtar has used AECOM and Hatch in the past. MH said Xeneca is familiar with and has worked with Hatch. MH said Xeneca will cover reasonable costs associated with the document review.

ACTION: Domtar to seek third party review of Xeneca's operating plan and will provide a cost quote to Xeneca in advance.

ACTION: Xeneca to send KS a copy of the Draft Wabagishik ER.

ACTION: Xeneca to send KS a copy of the draft MOU sent to Domtar in the fall of 2012.

Caitlin Kenny

From: Semeniuk, Sharon (ESP) [REDACTED]
Sent: July-19-13 3:36 PM
To: Mark Holmes; [REDACTED]; Smith, Karen (ESP); Stephanie Hodsoll
Cc: Uwe Roeper
Subject: RE: Hatch review on behalf of Domtara

Good Afternoon,

The Hatch review is only focused on the generating station operation at Espanola, not river assimilative capacity impacts nor fish habitat impacts. Therefore, the Hatch review will not be fully reviewing all impacts Domtar may potentially receive as a result of the proposed Project.

Any MOU must be reviewed in full by our Legal counsel, not "may be required".

Sharon Semeniuk, Sr. Environmental Engineer
Espanola Mill
[REDACTED]



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From: Mark Holmes [mailto:mholmes@xeneca.com]
Sent: Friday, July 19, 2013 2:59 PM
To: Semeniuk, Sharon (ESP); [REDACTED]; Smith, Karen (ESP); Stephanie Hodsoll
Cc: Uwe Roeper
Subject: RE: Hatch review on behalf of Domtara

Thanks for the clarification Sharon... what we are trying to communicate is the focus and intent of the third party review which is to confirm that Xeneca's commitments in the MOU will -- from a technical/ engineering aspect -- protect Domtar from harm.

We agree that legal review of the MOU may be required after the Hatch review.

Mark


From: Semeniuk, Sharon (ESP) [REDACTED]
Sent: Friday, July 19, 2013 1:40 PM
To: Mark Holmes; [REDACTED]; Smith, Karen (ESP)
Cc: Stephanie Hodsoll; Uwe Roeper
Subject: RE: Hatch review on behalf of Domtara

Sir,

The Scope of work for Hatch is as stated in their proposal dated May 31st 2013, and is summarized by the statement "that Hatch Ltd (Hatch) review the applicable material to determine whether or not the operations of Xeneca's proposed station will impact the operations of the Domtar hydropower station at the Espanola Mill". Our verbal discussion yesterday was that Xeneca has already completed much of the work identified in the Hatch proposal, and instead Xeneca will share this directly with Hatch for their review.

Domtar does not agree to any review by Hatch on the draft MOU supplied by Xeneca. That is a matter for our respective Legal Departments.

Sharon Semeniuk, Sr. Environmental Engineer
Espanola Mill
[REDACTED]

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From: Mark Holmes [<mailto:mholmes@xeneca.com>]
Sent: Friday, July 19, 2013 12:17 PM
To: [REDACTED] Smith, Karen (ESP)
Cc: Semeniuk, Sharon (ESP); Stephanie Hodsoll; Uwe Roeper
Subject: FW: Hatch review on behalf of Domtar

July 18, 2013

Good afternoon Brendan:

By way of introduction, I have been, and remain, one of the main contacts between Domtar (Espanola) and Xeneca Power Development which is developing a 3.4 MW hydro electric facility on the Vermillion River upstream of the confluence with the Spanish River and discharging into the Domtar headpond.

As you are aware, Xeneca has proposed a number of operational constraints in order to ensure that Xeneca's Wabageshik Rapids GS will not adversely affect Domtar's operation of its generation facility at Espanola or create issues with regard to Domtar's environmental compliance requirements.

Hatch has been asked for -- and has provided -- a scope of work to assess operational effects of Wabageshik GS on Domtar's operation. We note that the scope involves a number of studies which, for the intent of assessment of effects, have already been completed by Xeneca and its consultants.

To avoid duplication of effort and to expedite Hatch's assessment, Xeneca is prepared to provide the following data, reports and memo and models:

Wabageshik Operating Plan

Hydraulic Modelling
Memos related to flows and levels
Steady and unsteady Hec Ras
Draft MOU to Domtar

Upon Hatch's review of those documents, Xeneca would support a face to face meeting involving you (Hatch), Domtar's technical team and Xeneca's technical team. The meeting would provide the opportunity to ask questions related to the assessment of effects and, ultimately, enable Hatch to confirm that the MOU, provided to Domtar by Xeneca, protects Domtar's interests.

This approach has been verbally endorsed through conversation with Domtar.

Kindly advise on:

- how we may provide the documentation to your office
- timeline for completion of review
- dates of availability for a face to face meeting in August 2013.

Thanks and best regards,

Mark Holmes
Vice President
Corporate Affairs
Xeneca Power Development

Mark Holmes
Vice President
Corporate Affairs
Xeneca Power Development

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July 25, 2013

Mark Holmes, Vice President Corporate Affairs
Xeneca Power Development
5255 Young St. - Suite 1200
North York, ON M2N 6P4

SUBJECT:
Wabagishik Project

Dear Mr. Holmes

Domtar has met a couple of times with yourself and exchanged information in order to move the Wabagishik Hydro-development Project forwards.

As discussed at the May 16th 2013 meeting Domtar cannot endorse this project without additional studies being conducted to ensure that there are no negative impacts on the Domtar Espanola operation including potential impact on the assimilative capacity of the Spanish River downstream of the Espanola Mill. As was reviewed during the meeting, the EA process has not included potential impacts on the lower Spanish River.

The May 16th meeting minutes summarized accurately Domtar requirements to sign a Memorandum of Understanding:

1. Low-flow issue must be resolved to Domtar's satisfaction
2. No cost to Domtar
3. Xeneca must ensure indemnification
4. High flow issues must be resolved
5. A good dispute resolution process mechanism must be put into place.

Domtar continues to be of the opinion that the impacts of the proposed Project on the Domtar facility operation (power generation, effluent assimilation, and dam operation) and on aquatic species downstream of the Domtar facility have not been reviewed and remain unknown.

The following points further explain Domtar's concerns:

i) Domtar Espanola has a contract in place with the Ontario Power Authority and is concerned the Project could cause Domtar monetary losses pursuant to this contract if the generating station experiences loss of hydro electrical generation.

ii) Xeneca has committed to adjust its operation to assist Domtar in relieving an "Event" should one arise and to use "reasonable effort to assist Domtar". This is unacceptable. Xeneca needs to be fully responsible for any event or loss they cause and they need to indemnify Domtar as such. This would need to be reflected in any agreement.

iii) Domtar has received no assurance of Xeneca's financial wherewithal to indemnify us for such losses.

iv) Domtar is concerned about the environmental impact of this project on, amongst other things, the sturgeon and their spawning grounds. This could have a ripple effect that could affect Domtar. As well, the "peaking" they are proposing is contrary to current practices on the Vermilion river. Flow fluctuation over a 24 hour daily average will be minimal, but can vary significantly from hour to hour. The Domtar mill discharges effluent continuously, so variation in river flows could impact the hourly assimilative capacity of the Lower Spanish River.

v) Domtar does not have the in-house expertise to review the studies Xeneca has completed on water level monitoring, hydrogeology and hydraulic modeling. Domtar has proposed a third party consultant review the studies to determine expected impact on the Domtar operation, at Xeneca's expense. The proposed study was initially declined by Xeneca, citing the [REDACTED] costly and some aspects repetitive of studies already completed by Xeneca.

These concerns follow statements made in the Draft Environmental Report (Draft ER).

1. The Draft ER states the downstream zone of influence of the project extends to the confluence of the Vermilion and Spanish Rivers. Therefore, the ER does not include impacts to the Domtar Espanola facility, or impacts to aquatic species in the Spanish River.
2. The Draft ER states that downstream operational effects will be mitigated by maintaining water levels in the Spanish, at the confluence of the

Vermilion/Spanish. This is located approximately 6km upstream from the Domtar Generating Station. Domtar's Generating station has a significant influence on these same water levels. Because Domtar maintains the upstream Spanish River levels by releasing or holding water, we question the true impact of the Project on "level" control. Domtar is more concerned with impacts on flow observed in Espanola on an instantaneous basis.

3. The Draft ER includes details of the Town of Espanola under Employment and Economic setting for the Project, but did not include this area for zone of influence of its operation on river flow and aquatic species.
4. The Project proposes to run a modified run of river facility, with flows during off peak (7pm to 11am) reduced to the minimum allowable to protect the environment, which can be 1/10th of the flows experienced during the daytime peak (11am to 7pm). It is this large variation that gravely concerns Domtar, with its impacts on Domtar's ability to continue to generate hydroelectricity, significant manipulation requirements of our main dam (manual operation), effluent assimilation, and impacts on aquatic life in and around Domtar's facility in Espanola. As stated previously, Domtar discharges effluent 24 hours a day on a continuous basis, whereas the Project will be discharging the majority of water between 11am and 7pm during summer months when the river assimilative capacity is most sensitive due to high water temperatures. Because the studied zone of influence is only to the confluence of the Spanish/Vermilion Rivers, this appears to not have been considered in the Draft ER.
5. The Draft ER lists potential impact on the Domtar Generating Station and mill, and impact on Fish Habitat as having no residual effect. Domtar disagrees with this conclusion, due to the items outlined above.
6. Xeneca has made no mention of any commitment in the Draft ER to minimize or prevent any adverse impact of the operation of its Project on the Domtar Espanola Generating Station or Lower Spanish River assimilative capacity, other than to modify its operation if Domtar experiences "compliance issues". The time to act on the river system is not when compliance issues occur, but to *prevent* them from occurring.

Domtar continues to propose an accredited third party review Xeneca's operating plans, commitment, and hydrogeological studies to determine impacts of the proposed Project on Domtar's operation, at Xeneca's expense. Domtar continues to encourage Xeneca to increase it's zone of influence to include the fish habitat below the Domtar Generating Station/Main dam, and Lower Spanish assimilative capacity as hourly changes in river flow may impact this area.

Sincerely,

Domtar Inc.



Sharon Semeniuk
Sr. Environmental Engineer

Tel.: [REDACTED]

Email: [REDACTED]

cc:

Scott Mosher – General Manager Espanola Mill
Karen Smith – Manger, Quality and Environment
Joe Cooper – Manger, Engineering and Power Systems
Wayne Selinger - Ministry of Natural Resources, Espanola District
Brendan O'Farrell – Ministry of Natural Resources, Sudbury Region
Ellen Cramm – Ministry of the Environment, Northern Region

Muriel Kim

Subject: FW: Domtar Formal Statment wrt Xeneca Wabagishik Project
Attachments: Xeneca July 2013 response letter_from Domtar.pdf; Xeneca Response to Domtar July 25 Letter_7aug13.pdf

From: Stephanie Hodsoll
Sent: Wednesday, August 07, 2013 10:19 AM
To: Semeniuk, Sharon (ESP); 'Smith, Karen (ESP)'; Mosher, Scott; Cooper, Joe (ESP)
Cc: Uwe Roeper; Mark Holmes; Nava Pokharel
Subject: RE: Domtar Formal Statment wrt Xeneca Wabagishik Project

Good morning Sharon,

Thank you for your letter. Please see Xeneca's response, attached. I have also included your original July 25 letter.

Yours truly,
Steph

Stephanie Hodsoll
Stakeholder Relations
Xeneca Power Development
5255 Yonge St., Suite 1200
North York, ON M2N 6P4
(416) 590-3077

From: Mark Holmes
Sent: Monday, July 29, 2013 10:21 AM
To: Uwe Roeper; Nava Pokharel; Stephanie Hodsoll
Subject: FW: Domtar Formal Statment wrt Xeneca Wabagishik Project

From: Semeniuk, Sharon (ESP) [<mailto:Sharon.Semeniuk@domtar.com>]
Sent: Thursday, July 25, 2013 3:42 PM
To: Mark Holmes
Cc: Smith, Karen (ESP); Mosher, Scott; Cooper, Joe (ESP); Selinger, Wayne (MNR) (wayne.selinger@ontario.ca); Brendan.OFarrell@ontario.ca; ellen.cramm@ontario.ca
Subject: Domtar Formal Statment wrt Xeneca Wabagishik Project

Please see attached Domtar comments on Xeneca Wabagishik Project.

Sharon Semeniuk, Sr. Environmental Engineer
Espanola Mill
P 705-869-2020 ext 549 | F 705-869-4862

 **Domtar**
1 Station Road
Espanola, ON P5E 1R6 Canada

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5255 Yonge St., Suite 1200, North York, ON M2N 6P4
tel 416-590-9362 fax 416-590-9955 www.xeneca.com

August 7, 2013

Ms. Sharon Semeniuk
Sr. Environmental Engineer
Domtar Inc.
1 Station Road
Espanola, ON P5E 1R6

Re: Wabagishik Rapids GS – Xeneca Response to Domtar's July 25 Letter

Dear Sharon:

To address the questions and comments posed in your July 25, 2013 letter, we have prepared a point-by-point response that is intended to clearly outline the commitments previously made to Domtar and elaborate on points which appear to need additional clarity.

Through three formal meetings and follow-up emails and phone calls, I believe we have identified the issues that are of primary concern to Domtar and have responded with operational commitments, extensive studies, modeling and analysis.

As documented in the draft Waterpower Class EA and in a draft Memorandum of Understanding (MOU), Domtar is provided a combination of mitigation measures to reduce or eliminate negative effects. Should Domtar experience negative effects as a result of Xeneca's operation of its Wabagishik Rapids GS, Xeneca has committed to indemnify Domtar from costs incurred.

To be clear, above all, Xeneca is taking a proactive approach to avoid negatively impacting Domtar's generation facilities and/or downstream effluent treatment and related environmental commitments.

Furthermore, Xeneca has agreed to pay for a consultant of Domtar's choice (HATCH) to review Xeneca's operational plan, modeling and related material with the objective of independently confirming that the information and rationalization of operations can be substantiated as accurate and effective in mitigating negative operational and environmental impacts on Domtar.

We believe this work not only fulfills Xeneca's obligations under the Waterpower Class EA, but will strengthen a productive and mutually beneficial working relationship between our respective companies.

In order to fully address the concerns raised in your July 25 letter, the following list responds point by point to each of the issues or comments raised.

- (i) In the event of a loss of generating capacity at the Domtar facility as a result of operational effects of Xeneca's Wabagishik Rapids GS, Xeneca has committed to:
 - (a) adjust operation and/or revert to run of river status to relieve the situation, and
 - (b) indemnify Domtar in the event there is a loss of generating revenue due to operation of Wabagishik Rapids GS.
- (ii) There appears to be some difference in interpretation of the word "event" as used in the draft MOU. For clarity, Xeneca is referring to two different types of events. With respect to an event caused by Xeneca, Xeneca commits to adjust its operations and/or revert to run of river status, to relieve the situation. If there is a loss to Domtar, Xeneca would indemnify Domtar against that loss. With respect to an event NOT caused by Xeneca (e.g. a natural event or an event caused by operation elsewhere on the system), Xeneca commits to work with Domtar to provide relief to Domtar where possible. Xeneca cannot, however, indemnify Domtar for events that are not caused by Xeneca.
- (iii) Xeneca has the financial wherewithal to indemnify Domtar against losses determined to be caused by the Wabagishik Rapids GS. Estimated revenue from the Wabagishik Rapids GS is estimated at [REDACTED] annually, from which any indemnified losses can be recovered. We would further note that Wabagishik GS is being designed and built as a fully automated facility and that corrective actions can be taken within minutes of notification. As such, losses to Domtar are not expected to be of significant duration or cost.
- (iv) In preparation for the submission of Xeneca's Waterpower Class EA report, four years of extensive studies of aquatic and terrestrial biology, hydrology, bathymetry, sedimentation and temperature have been conducted. Assessment and modeling of impacts within the project zone of influence, including those on sturgeon and spawning grounds, are available to Domtar. We would be pleased to review any effect and mitigation aspects with you at your request.

With respect to a "ripple effect" on Domtar, Xeneca has developed and provided to Domtar detailed operational profiles that show hourly operation and effects on flow volume, velocities and levels. The data clearly shows that all significant operational effects end at the confluence of the Vermilion and Spanish Rivers. In addition, Xeneca has committed to strictly limit daily flow fluctuations to substantively less than those currently created by Domtar's own operation. Further, Xeneca has committed to adjust its operation where required and to indemnify Domtar of any loss.

In conclusion, Xeneca's proposed operations are consistent with how Domtar operates its facility at Espanola and significantly less than what is produced by Domtar's operations. Furthermore, Xeneca has committed to minimum flow requirements that ensure Domtar can meet its environmental commitments on effluent dilution and dissolved oxygen limits. Should an unanticipated event occur as a result of Wabagishik GS operations, Xeneca has agreed to indemnify Domtar and return to run-of-river operation.

- (v) Xeneca is cognizant of Domtar's need for independent third-party review of operational data and commitments being provided by Xeneca. As you are already aware, Xeneca has agreed to pay for the review by Domtar's chosen consultant (HATCH.) Xeneca simply wanted to note that the original scope of work included a number of studies that have already been undertaken. To avoid duplication, Xeneca has provided Hatch with the relevant reports for review.

With respect to the six points of concern raised in your July 25 letter, we offer the following:

1. Xeneca has undertaken thorough aquatic habitat studies on the Vermilion River as required by the Waterpower Class EA process. No significant aquatic impacts beyond the confluence of the Spanish and Vermilion rivers are expected. With Xeneca's minimum flow commitments, impacts of residual flow alteration beyond the confluence are not significant. We expect this to be reconfirmed by the detailed review being conducted by HATCH.
2. Hydraulic studies for the Wabagishik Rapids project include both steady and unsteady state HEC-RAS modeling that clearly shows daily operational effects are significantly attenuated at the Spanish/Vermilion River confluence. Xeneca would be pleased to further review the study results with Domtar and HATCH.
3. Xeneca's investigations indicate that a social/economic impact of the project will be felt in the Town of Espanola as availability of local goods and services (i.e. aggregate, trucking, labour, accommodation, food, fuel and professional services) may be locally or regionally sourced. Socio-economic impacts are not related to river flow and aquatic species as these impacts are outside the project zone of influence and are not expected within the Town of Espanola.
4. As noted in section (iv) above, Xeneca has committed to operational constraints that limit water level fluctuations and the variation of flows between night-time and daytime operation. Studies have clearly shown the attenuation of water level fluctuations, volume changes and velocities and support Xeneca's assessment that significant attenuation occurs before reaching Domtar's Espanola facility. Guaranteed minimum flow commitments are in place to address Domtar's concern over effluent dilution and dissolved oxygen limits, and Xeneca has agreed to indemnify Domtar from any harm that may occur as a result of the operation of Wabagishik Rapids GS.

5. Given the extensive environmental and hydraulic studies and modeling, Xeneca's operational constraint commitments and MOU indemnification, Xeneca respectfully submits that residual effects on Domtar's Espanola operations and downstream aquatics have been adequately addressed.
6. Respectfully, Xeneca has committed in its draft Environmental Report to minimize and/or prevent adverse effects of its project on Domtar.

We trust that this letter addresses the comments made in your July 25, 2013 letter. We would like to re-affirm Xeneca's commitments to mitigate impacts on Domtar, indemnify Domtar should an impact occur and work with Domtar to better manage events not caused by Xeneca. We believe that the proposed MOU is a good way to document the commitments made and would like to work with you to finalize it. We remain available to discuss any further concerns with the view of reaching consensus on a Memorandum of Understanding.

Very best regards,



Mark Holmes
Vice President, Corporate Affairs
Xeneca Power Development
416-590-9362 (office)
mholmes@xeneca.com

Other

Judy Leavitt

From: Mark Holmes
Sent: Monday, January 24, 2011 9:37 AM
To: [REDACTED]
Cc: Judy Leavitt; Vanesa Enskaitis
Subject: RE: tax

Denis:

Thank you for your e-mail enquiry.

Xeneca is privately owned company and as such would not appear on the TSX.

For more information about our company please visit our website at www.xeneca.com

Best regards,

Mark Holmes
Vice President
Corporate Affairs
Xeneca Power Development

160 Yonge St.
North York
M2N 6L9

416-590-9362
416-590-9955 (fax)
416-705-4283 (cell)

mholmes@xeneca.com

www.xeneca.com

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From: Judy Leavitt
Sent: January 24, 2011 8:55 AM

To: Mark Holmes; Patrick Gillette
Subject: FW: tsx

Judy

Judy Leavitt
Manager, Office & Business Affairs
Xeneca Power Development Inc.

From: DSeguin@xstratanickel.ca [REDACTED]
Sent: Saturday, January 22, 2011 9:46 PM
To: Judy Leavitt
Subject: tsx

Hi;

Is your company listed with the TSX?

Thanks

Denis seguin
Bx 231-26 Hardbargain Rd.
Little Current, On
P0P 1K0

This email and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this email in error please delete and notify us immediately.

Stephanie Hodsell

From: Stephanie Hodsell
ent: Friday, March 18, 2011 10:18 AM
fo: ADufresne@xstratanickel.ca
Subject: Proposed waterpower project on the Vermilion River (Wabagishik Rapids)
Attachments: Letter to Andre Dufresne - March 18.doc

Categories: Logged, Public

March 18, 2011

Good morning Mr. Dufresne,

By way of introduction, Xeneca Limited Partnership is the holder of a Feed-in-Tariff contract from the Ontario Power Authority for the potential waterpower development of the Wabagishik Rapids site on the Vermilion River located in proximity to your business interests located in the Sudbury area.

As a responsible developer of renewable energy (waterpower) Xeneca is contacting you to, first and foremost, inform you of our intentions to develop the above note site(s) and to invite you to:

- (a) Submit any questions, comments or observations directly to Stephanie Hodsell from Xeneca at shodsoll@xeneca.com.
- (b) Attend our public information centre at the Espanola Recreation Centre from 4 to 8 p.m. on March 22, 2011.

Xeneca's intention is to work with local businesses as it is our company policy -- to the greatest extent possible -- procure locally the goods and services required to develop our projects. Average cost to build waterpower in Ontario is 5 million per MW, about half of which is spent locally where good and services are available. In addition, through royalties and taxes waterpower provides a significant return to taxpayers of approximately \$5 million per MW over a 40 year period.

Further Xeneca wishes to avoid any negative impacts to business, and, where possible enhance business opportunities.

If you have questions or concerns about Xeneca and/or our projects, please do not hesitate to contact Mark Holmes, Vice President Corporate Affairs, as follows:

Mark Holmes
Vice President
Corporate Affairs
Xeneca Power Development
mholmes@xeneca.com
416-590-9362 (office)
416-705-4283 (cell)

Please distribute this email and attached letter as appropriate.

Thank you!

Yours truly,
teph

Stephanie Hodsell

Stephanie Hodson

From: Vanesa Enskaitis
Sent: Monday, August 16, 2010 3:56 PM
To: [REDACTED]
Subject: RE: Vermillion project list

Categories: Logged, Public

August 16, 2010

Dear Ms. Schroer,

Thank you for your interest in our proposed waterpower projects on the Vermillion River. I can confirm that you have been added to our stakeholder log and will receive updates. Also, we would direct your attention to our website at www.xeneca.com where project specific information is regularly posted.

We will be hosting a series of Public Open Houses regarding the projects on the Vermillion River in the fall of 2010. We will be posting a notification of the Public Open House in the Sudbury Star a few weeks prior. This information will also be available on our website.

Please let me know if you have any other questions.

Kind regards,
Vanesa

Vanesa Enskaitis

Public Affairs Liaison
Xeneca Power Development Inc.
5160 Yonge Street, Suite 520
Toronto, ON M2N 6L9
T: 416-590-9362 X 104
F: 416-590-9955
E: venskaitis@xeneca.com

From: Lisa and Chris Schroer [REDACTED]
Sent: Monday, August 02, 2010 8:18 PM
To: Vanesa Enskaitis
Subject: project list

I am very concerned about the proposed Xeneca Power Development on the Vermillion River. I would like to be added to your mailing list. I am a resident of Whitefish and I hope that you will advise us of the public meetings for the area.

Thank you,

Lisa Schroer

No virus found in this incoming message.

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Version: 8.5.441 / Virus Database: 271.1.1/3036 - Release Date: 08/02/10 06:35:00

Stephanie Hodson

From: Dave Makela [REDACTED]
Sent: Monday, August 16, 2010 4:28 PM
To: Vanesa Enskaitis
Subject: Re: VERMILLION

Dear Vanesa,

Thank you for the reply. I have been trying to visualize your project in my mind based on my knowledge of the area. I look forward to the public consultations, but fear that I may not be able to attend due to my shift schedule at work. I look forward to any information that you can provide as it becomes available.

Regards,

David Makela
[REDACTED]

On 16/08/2010 3:39 PM, Vanesa Enskaitis wrote:

> August 13, 2010
>
> Dear Mr. Makela,
>
> Thank you for your interest in our proposed waterpower projects on the
> Vermillion River.
>
> As a recreational user of the area surrounding the Vermillion River
> sites, your name has been added to our stakeholder database and
> information will be forwarded to you including dates, times and
> locations of public information sessions.
>
> With respect to your request for detailed mapping we are only in the
> preliminary planning stage and definitive information is not yet
> available. As part of the Environmental Assessment for Waterpower
> Projects (Class EA), our environmental consultants are working with
> our professional engineers to develop the information you have requested.
> We should have answers available at the Public Open House, which will
> take place some time in the fall of 2010 and we may be able to provide
> you with some advance information prior to that.
>
> Also, we would direct your attention to our website at www.xeneca.com
> where project specific information is regularly posted.
>
> Again, thank you for your interest, and, if you have further
> questions, please feel free to contact me.
>
> Kind regards,
> Vanesa
>
> Vanesa Enskaitis
>
> Public Affairs Liaison
> Xeneca Power Development Inc.
> 5160 Yonge Street, Suite 520
> Toronto, ON M2N 6L9

> T: 416-590-9362 X 104
> F: 416-590-9955
> E: venskaitis@xeneca.com

> -----Original Message-----

> From: David Makela [REDACTED]
> Sent: Sunday, August 08, 2010 2:43 PM
> To: Vanesa Enskaitis
> Subject: VERMILLION

>
> Hi, I would like to receive more information regarding this project
> including detailed site diagrams of proposed dam, roads and generating
> station placement. I hunt deer in that immediate area and would like
> to know potential impacts on the area and my activities in that area.

>
> Thank you.
> David Makela

> [REDACTED]
>
> Sent from my iPod
>
>

Stephanie Hodsoil

From: Vanesa Enskaitis
nt: Wednesday, August 25, 2010 11:02 AM
TO: [REDACTED]
Subject: RE: VERMILLION
Attachments: Vermillion River- Project Overview - Updated July 13.pdf

August 25, 2010

Dear Mr. Reiss,

Thank you for your interest in our proposed waterpower Wabageshik project on the Vermillion River. We are in the preliminary planning stages of this project and therefore road access has not yet been determined. I am attaching the "Project Overview" for the sites on the Vermillion River, which may offer you some additional information.

Your name has been added to our stakeholder database, and information will be forwarded to you including dates, times and locations of public information sessions which we hope to host this fall.

Also, we would direct your attention to our website at www.xeneca.com where project specific information is regularly posted.

Again, thank you for your interest, and, if you have further questions, please feel free to contact me.

Kind regards,
Vanesa

Vanesa Enskaitis

Public Affairs Liaison
Xeneca Power Development Inc.
5160 Yonge Street, Suite 520
Toronto, ON M2N 6L9
T: 416-590-9362 X 104
F: 416-590-9955
E: venskaitis@xeneca.com

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

From: Ken Reiss [REDACTED]
Sent: Wednesday, August 18, 2010 4:10 PM
To: Vanesa Enskaitis
Subject: VERMILLION

Hi Vanesa,

I was wondering if you could send me some additional information/images for the Wabageshik Rapids site. I am mostly interested in where the road will be rehabilitated and extended.

Thank you,
Ken Reiss

Stephanie Hodson

From: Vanesa Enskaitis
Sent: Tuesday, November 16, 2010 10:51 AM
To: [REDACTED]
Subject: RE: Class EA water power projects Vermillion River

Categories: LOGGED

November 16, 2010

Dear Ms. Flowers,

Thank you for your interest in the proposed renewable energy projects on the Vermillion River. I have added your contact details to our Contact List and you will receive project updates as well as notification of Public Meetings. We have tentatively scheduled a Public Information Centre in Sudbury in the end of January 2011, where you will have to opportunity to learn more about the proposed projects including information and studies conducted regarding water quality and water levels.

If you have any other questions, please let me know.

Best regards

Vanesa

Vanesa Enskaitis

Public Affairs Liaison
Xeneca Power Development Inc.
5160 Yonge Street, Suite 520
Toronto, ON M2N 6L9
T: 416-590-9362 X 104
F: 416-590-9955
E: yenskaitis@xeneca.com

Visit the Xeneca website for the most up-to-date project information:
www.xeneca.com

From: [REDACTED]
Sent: Monday, November 15, 2010 9:26 PM
To: Vanesa Enskaitis
Subject: Class EA water power projects Vermillion River

Hello

I am most interested in being on the mailing list for this Environmental Assessment. I live on the lower Vermillion and I have concerns about water quality, increased access to the wild areas of the river and fluctuating water levels.

Lesley Flowers
[REDACTED]

Stephanie Hodsell

From: Vanesa Enskaitis
nt: Tuesday, November 30, 2010 3:02 PM
to: 'Denis Bois'
Subject: RE: Proposed Wabageshik Generating Station
Categories: LOGGED

30 November, 2010

Dear Mr. Bois,

Thank you for your interest in the proposed renewable energy projects on the Vermillion River. In terms of detailed information, I can provide you with the approximate coordinates of the Wabageshik GS site:

Lat: N 46°16'8.94" / Long W 81°37'27.19"

***I must note that this information is not finalized and may change.

The most up-to-date project information, including proposed road upgrades will be presented at the Vermillion River Public Information Centre which will occur in early 2011. You are now on our mailing list and as such, will receive notification.

Let me know if you have any other questions.

Best regards,
Vanesa

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

From: Denis Bois [REDACTED]
Sent: Friday, November 19, 2010 6:57 AM
To: Vanesa Enskaitis
Subject: Proposed Wabageshik Generating Station

Hello Vanesa,

I am a resident of Espanola Ontario, located nearby your proposed Wabageshik generating station. Do you have more detailed information you could provide detailing the actual location of the proposed dam as well as the proposed roads that will be upgraded to access the area?

Your notice of assessment in the Mid North Monitor doesn't provide this information.

Could I also be placed on your electronic mailing list?

Thanks in advance for your help.

Denis Bois
[REDACTED]

Stephanie Hodsoil

From: [REDACTED]
Sent: Tuesday, November 30, 2010 9:41 PM
To: Vanesa Enskaitis
Subject: RE: Mailing List.
Attachments: bg.jpg; flowers.jpg; image0011.gif; xmas_girl_en.gif
Categories: LOGGED, Public

Ella Lake flows into the Vermillion River, just above Lome Falls.

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

From: Vanesa Enskaitis
Date: 11/30/2010 3:51:33 PM
To: [REDACTED]
Subject: RE: Mailing List.

November 30, 2010

Dear Mr. & Mrs. Pomerleau,

Could you please let me know which proposed projects you are referring to? I am not familiar with Ella Lake.

Best regards,

Vanesa

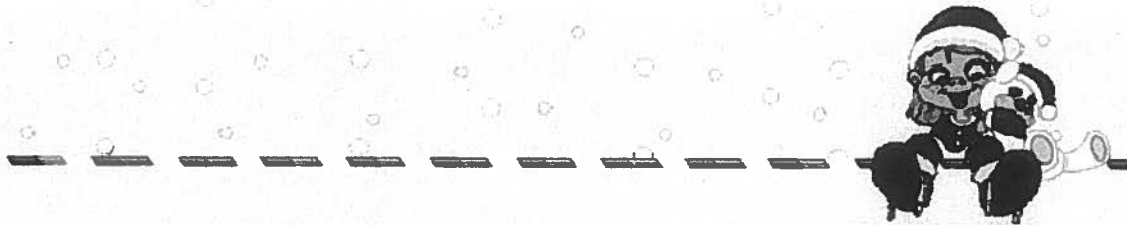
From: [REDACTED]
Sent: Sunday, November 28, 2010 10:19 AM
To: Vanesa Enskaitis
Subject: Mailing List.

How will these dams affect the water level of Ella Lake???

How will these dams affect the water level of Ella Lake???

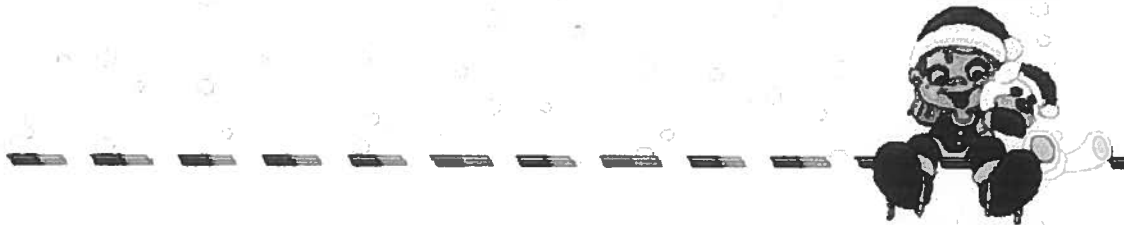
Please put me on the mailing list. Thank you.

Ann and Jim Pomerleau.



FREE Christmas Animations for your email – by IncrediMail!

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FREE Christmas Animations for your email – by IncrediMail!

Click Here!

*No visable changes/ impact
to water levels.*

Stephanie Hodson

From: Vanesa Enskaitis
Sent: Wednesday, December 08, 2010 10:50 AM
To: [REDACTED]
Attachments: RE: Mailing List.
image001.gif
Categories: LOGGED

December 8, 2010

Dear Mrs. & Mr. Pomerleau,

I've verified with my Senior Engineer that there will be no visible changes/impact to the water levels at Ella Lake.

I have added you to the Vermillion River Stakeholder List and you will be notified of project updates.

If you have any other questions, please let me know.

Best regards,
Vanesa

Vanesa Enskaitis

Public Affairs Liaison
Xeneca Power Development Inc.
5160 Yonge Street, Suite 520
Toronto, ON M2N 6L9
T: 416-590-9362 X 104
F: 416-590-9955
E: venskaitis@xeneca.com

Visit the Xeneca website for the most up-to-date project information:
www.xeneca.com

From: [REDACTED]
Sent: Tuesday, November 30, 2010 9:41 PM
To: Vanesa Enskaitis
Subject: RE: Mailing List.

Ella Lake flows into the Vermillion River, just above Lorne Falls.

—Original Message—

From: Vanesa Enskaitis
Date: 11/30/2010 3:51:33 PM
To: [REDACTED]

Stephanie Hodson

From: Vanesa Enskaitis
Sent: Thursday, December 09, 2010 11:49 AM
To: 'Naomi Grant'
Subject: RE: Vermillion River

Categories: LOGGED, Public

December 9, 2010

Dear Ms. Grant,

Thank you for your interest in the proposed renewable energy projects on the Vermillion River. I have added you to the Stakeholder Contact list and you will be notified of project updates. We will be holding a Public Information Centre for the Vermillion River projects in early 2011. I will notify you of the dates once they are confirmed. There will also be notification in the Sudbury Star and on our website at www.xeneca.com

Please let me know if you have any questions, comments or concerns as we are accepting public input and comment at this stage in the Class EA process.

Best regards,

Vanesa

Vanesa Enskaitis

Public Affairs Liaison
Xeneca Power Development Inc.
5160 Yonge Street, Suite 520
Toronto, ON M2N 6L9
T: 416-590-9362 X 104
F: 416-590-9955
E: venskaitis@xeneca.com

Visit the Xeneca website for the most up-to-date project information:
www.xeneca.com

From: Naomi Grant [REDACTED]
Sent: Wednesday, December 08, 2010 11:15 AM
To: Vanesa Enskaitis
Subject: Vermillion River

Please keep me informed of the proposed dams on the Vermillion River system, and advise me of any opportunities for public input.

Thank-you,
Naomi Grant

Vermilion

Vanesa Enskaitis

From: Mark Holmes
Sent: Friday, January 07, 2011 2:19 PM
To: [REDACTED]
Cc: Vanesa Enskaitis; Stephanie Hodsoll; Judy Leavitt
Subject: RE: Please call me

Categories: Community

Good afternoon France:

In response to your e-mail below, it was me who met with you last fall regarding our projects on the Vermilion and Wanapitie Rivers and I can be contacted at any of the numbers listed in the signature line below.

I would be pleased to speak with you regarding any of the projects within your constituency and will be in the Sudbury area January 18-19 if you'd like to meet in person.

Best regards,

Mark Holmes
Vice President
Corporate Affairs
Xeneca Power Development

160 Yonge St.
North York
M2N 6L9

416-590-9362
416-590-9955 (fax)
416-705-4283 (cell)

mholmes@xeneca.com

www.xeneca.com

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From: Judy Leavitt
Sent: January 6, 2011 5:53 PM

To: Mark Holmes
Subject: FW: Please call me

From: [redacted]
Sent: Thursday, January 06, 2011 5:06 PM
To: Judy Leavitt
Subject: Please call me

Hello

I am the MPP for Nickel Belt, I had a meeting with one of your representative last Fall about 2 projects on Vermillion River, unfortunately I lost his card. I have been approached by constituents about the FIT project on Wanapitie River in my riding. Please call me at

France G  linas
D  put  e/MPP Nickel Belt

[redacted]

<<France G  linas.vcf>>

Stephanie Hodsoil

From:
Sent:
To:
Subject:

Stephanie Hodsoil
Tuesday, February 08, 2011 2:37 PM

RE: Request

Categories:

Logged, Public

February 8, 2011

Hi Michael,

Thank you for your interest in our proposed Vermillion River waterpower projects.
I have placed you on the stakeholder contact list and you will receive project updates as they become available.

Yours truly,
Steph

Stephanie Hodsoil
Public Affairs Liaison
Xeneca Power Development
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North York, ON M2N 6L9
T: 416-590-9362 X 112
F: 416-590-9955
www.xeneca.com

From: Vanesa Enskaitis
Sent: Friday, February 04, 2011 11:16 AM
To: Stephanie Hodsoil
Subject: FW: Request

[REDACTED]
[REDACTED]
Sent: Sunday, January 30, 2011 10:41 AM
To: Vanesa Enskaitis
Subject: Request

Vanessa:

As per your notice, I am requesting to be placed on your mailing list for notices regarding the Vermillion River Water Power Projects.

Thank you

Michael Ross

Stephanie Hodsoll

From: Stephanie Hodsoll
Sent: Tuesday, February 15, 2011 3:51 PM
To: Stephanie Hodsoll
Subject: Xeneca website update

Categories: Logged, Public

February 15, 2011

Good afternoon!

You are receiving this email because you have requested to be on our stakeholder contact list and receive project updates.

We have recently added new information to the Xeneca website, including more project-specific material. There are also details on the Waterpower Class Environmental Assessment process, and how you can participate.

Please visit www.xeneca.com.

As always, your comments are welcome and will be duly noted.

Thank you!

Yours truly,
Steph

Stephanie Hodsoll
Public Affairs Liaison
Xeneca Power Development
5160 Yonge St., Suite 520
North York, ON M2N 6L9
T: 416-590-9362 X 112
F: 416-590-9955
www.xeneca.com

Stephanie Hodsell

From: Mark Holmes
Sent: Friday, February 25, 2011 4:09 PM
To: 'Dave Thompson'
Cc: Vanesa Enskaitis; Stephanie Hodsell
Subject: Tom Brown

Categories: Logged, Public

Dave: I spoke to Tom Brown today. A good first meeting.

Tom is a canoeist and card carrying member of Paddle Ontario and very active in the Vermillion River chapter. He is a former Ministry of Environment employee and now works for MNDMF

He outlined that Vermillion is a developed river system and as such has less concerns from the canoeing community however several issues need to be addressed including:

- Safety of canoeists i.e. protect against accidental contact with equipment or intake infrastructure
- Remoteness/Access. Canoeists probably don't want a lot of traffic to areas where human presence was not previously limited
- Proper portage routes around structure
- Loss of paddlable rapids

Tom is already on our stakeholder list but this contact should be updated on our spreadsheet.

Mark

Mark Holmes
Vice President
Corporate Affairs
Xeneca Power Development

5160 Yonge St.
North York
M2N 6L9

416-590-9362
416-590-9955 (fax)
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www.xeneca.com

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Stephanie Hodsoll

From: Stephanie Hodsoll
Sent: Tuesday, March 15, 2011 11:22 AM
To: Karen Richter
Subject: RE: mailing list for the Wabagishik Rapid Waterpower Development
Categories: Logged, Public

March 15, 2011

Hi Ms. Richter,

Thank you for your interest in our proposed Wabagishik Rapid waterpower project. I have added your name to our contact list so that you will receive updates as they become available.

As always, please check our website at www.xeneca.com for the most up-to-date information.

Thank you!
Steph

Stephanie Hodsoll
Public Affairs Liaison
Xeneca Power Development
5160 Yonge St., Suite 520
North York, ON M2N 6L9
T: 416-590-9362 X 112
F: 416-590-9955
www.xeneca.com

From: Karen Richter [REDACTED]
Sent: Wednesday, March 09, 2011 8:26 PM
To: Stephanie Hodsoll
Subject: mailing list for the Wabagishik Rapid Waterpower Development

Please add my e-mail address to the mailing list for Information about the Wabagishik Rapid Waterpower Development, ..

My mailing address is

Karen Richter
[REDACTED]

Thank you

Stephanie Hodsoll

From: Stephanie Hodsoll
Sent: Tuesday, March 15, 2011 12:04 PM
To: [REDACTED]
Subject: RE: Vermillion River dams

Categories: Logged, Public

March 15, 2011

Hi Ms. Schroer,

Just confirming that you are already on our stakeholder contact list for our proposed Vermillion River waterpower projects.
Thank you for your continued interest.

We will be sending out an invitation shortly to the Public Information Centre.

Thank you!

Steph

Stephanie Hodsoll
Public Affairs Liaison
Xeneca Power Development
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T: 416-590-9362 X 112
F: 416-590-9955
www.xeneca.com

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

From: Vanesa Enskaitis
Sent: Monday, March 14, 2011 10:03 AM
To: Stephanie Hodsoll
Subject: FW: Vermillion River dams

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

From: Mrs. Lisa Schroer [REDACTED]
Sent: Sunday, March 13, 2011 8:11 AM
To: Vanesa Enskaitis
Subject: Vermillion River dams

Please include me in the mailing list for information concerning the Vermillion River hydro generation dams.

My name is Lisa Schroer, [REDACTED] and
my email address is [REDACTED]

I would also like to know when public consultation meetings will be.
Thanks,
Lisa Schroer

Stephanie Hodsoil

From: Stephanie Hodsoil
Sent: Friday, March 18, 2011 9:55 AM
To: [REDACTED]
Subject: Invitation to Wabagishik Rapids Public Information Centre
Attachments: Wabagishik PIC Espanola - 22Mar.pdf; Wabagishik PIC Espanola - 22mar-French.pdf
Categories: Logged, Public

March 18, 2011

Good morning Brian,

Please find below an invitation to our Public Information Centre for Xeneca's proposed Wabagishik Rapids waterpower project.

If you need any more information please let me know.

Have a great day,
Steph

Xeneca would like to invite you to our upcoming Public Information Centre for our proposed Wabagishik Rapids waterpower project on the Vermillion River.

Please join us next Tuesday, March 22 from 4 – 8 p.m. at the Espanola Recreation Complex, 175 Avery Dr., Espanola, ON.

Attached are the notice ads that ran in the Sudbury Star (March 9 & March 12) and the Midnorth Monitor (March 9 & March 16.)

This PIC will be an opportunity to speak to Xeneca staff and technical experts about any questions you may have. It will be an open house format, rather than a formal presentation. Maps and Informational panels (both process-related and project-specific) will be on display. We will also provide takeaway packages with a brief project overview, site map and Citizen's Guide to the Waterpower Class EA.

We hope to see you there!

Yours truly,
Steph

Stephanie Hodsoil
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North York, ON M2N 6L9
T: 416-590-9362 X 112
F: 416-590-9955
www.xeneca.com

Stephanie Hodsell

From: Stephanie Hodsell
nt: Friday, March 18, 2011 4:38 PM
o: [REDACTED]
Subject: RE: Wabagishik dam
Attachments: Wabagishik PIC Espanola - 22Mar.pdf; Wabagishik PIC Espanola - 22mar-French.pdf
Categories: Logged, Public

March 18, 2011

Dear Mr. Despatie,

Thank you for your positive feedback about the project. We are holding a Public Information Centre next Tuesday in Espanola if you would like to attend. Please see details below. I have also added you to our stakeholder contact list so you will receive future project updates as they become available.

Thanks!
Steph

Xeneca would like to invite you to our upcoming Public Information Centre for our proposed Wabagishik Rapids waterpower project on the Vermilion River.

Please join us next Tuesday, March 22 from 4 – 8 p.m. at the Espanola Recreation Complex, 175 Avery Dr., Espanola, ON.

Attached are the notice ads that ran in the Sudbury Star (March 9 & March 12) and the Midnorth Monitor (March 9 & March 16.)

This PIC will be an opportunity to speak to Xeneca staff and technical experts about any questions you may have. It will be an open house format, rather than a formal presentation. Maps and informational panels (both process-related and project-specific) will be on display. We will also provide takeaway packages with a brief project overview, site map and Citizen's Guide to the Waterpower Class EA.

We hope to see you there!

Yours truly,
Steph

Stephanie Hodsell
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North York, ON M2N 6L9
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F: 416-590-9955
www.xeneca.com

From: Vanesa Enskaitis
Sent: Friday, March 18, 2011 4:33 PM
To: Stephanie Hodsoll
Subject: FW: Wabagishik dam

From: guy despatie [REDACTED]
Sent: Wednesday, February 16, 2011 10:56 AM
To: Vanesa Enskaitis
Subject: Wabagishik dam

Hello Vanesa

Please be advised I am in agreement with the construction of the Wabagishik dam. The sooner the better.

Regards

Guy Despatie

Stephanie Hodsell

From: Stephanie Hodsell
Sent: Friday, March 18, 2011 9:51 AM
To: [REDACTED]
Subject: Invitation to Wabagishik Rapids Public Information Centre
Attachments: Wabagishik PIC Espanola - 22Mar.pdf; Wabagishik PIC Espanola - 22mar-French.pdf
Categories: Logged, Public

March 18, 2011

Good morning Kate!

As you discussed with Mark last night, please find the invitation to our Wabagishik Rapids Public Information Centre.

Thank you!
Steph

Xeneca would like to invite you to our upcoming Public Information Centre for our proposed Wabagishik Rapids waterpower project on the Vermilion River.

Please join us next Tuesday, March 22 from 4 – 8 p.m. at the Espanola Recreation Complex, 175 Avery Dr., Espanola, ON.

Attached are the notice ads that ran in the Sudbury Star (March 9 & March 12) and the Midnorth Monitor (March 9 & March 16.)

This PIC will be an opportunity to speak to Xeneca staff and technical experts about any questions you may have. It will be an open house format, rather than a formal presentation.

Maps and informational panels (both process-related and project-specific) will be on display.

We will also provide takeaway packages with a brief project overview, site map and Citizen's Guide to the Waterpower Class EA.

We hope to see you there!

Yours truly,
Steph

Stephanie Hodsell
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F: 416-590-9955
www.xeneca.com

Stephanie Hodsell

From: Stephanie Hodsell
Sent: Monday, March 21, 2011 4:25 PM
To: [REDACTED]
Subject: Invitation to Wabagishik Rapids Public Information Centre
Attachments: Wabagishik PIC Espanola - 22Mar.pdf; Wabagishik PIC Espanola - 22mar-French.pdf
Categories: Public, Logged

March 21, 2011

Good afternoon Alana,

Please find below an invitation to our Public Information Centre for Xeneca's proposed Wabagishik Rapids waterpower project on the Vermilion River.

If you need any more information please let me know.

Have a great day,
Steph

Xeneca would like to invite you to our upcoming Public Information Centre for our proposed Wabagishik Rapids waterpower project on the Vermilion River.

Please join us on Tuesday, March 22 from 4 – 8 p.m. at the Espanola Recreation Complex, 175 Avery Dr., Espanola, ON.

Attached are the notice ads that ran in the Sudbury Star (March 9 & March 12) and the Midnorth Monitor (March 9 & March 16.)

This PIC will be an opportunity to speak to Xeneca staff and technical experts about any questions you may have. It will be an open house format, rather than a formal presentation.

Maps and informational panels (both process-related and project-specific) will be on display.

We will also provide takeaway packages with a brief project overview, site map and Citizen's Guide to the Waterpower Class EA.

We hope to see you there!

Yours truly,
Steph

Stephanie Hodsell
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T: 416-590-9362 X 112
416-590-9955
www.xeneca.com

Stephanie Hodsell

From: Stephanie Hodsell
Sent: Friday, April 01, 2011 3:05 PM
To: Marc Samson
Subject: RE: Wabagishik Power project

Categories: Public, Logged

April 1, 2011

Dear Mr. Samson,

Thank you for your interest in the proposed project at Wabagishik Rapids. I have added your name to our stakeholder contact list so that you will receive project updates as they become available. You will also be notified of any Public Information Centres as dates are set.

Can I also please direct you to the Ontario Waterpower Association website where you can download a copy of the Class EA process and related information including a Citizen's guide; <http://www.owa.ca/class-ea/>.

Thanks again for interest and we look forward to working with you in 2011.

Cheers,
Steph

Stephanie Hodsell
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North York, ON M2N 6L9
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F: 416-590-9955
www.xeneca.com

From: Marc Samson [REDACTED]
Sent: Thursday, March 31, 2011 2:17 PM
To: Stephanie Hodsell
Subject: Wabagishik Power project

My name is JM Samson (Marc) and I have waterfront property--a cottage -- on that lake. Unfortunately I was unable to make it to last week's presentation at the Espanola Rec Complex. I have some serious concerns about your proposed dam and would like to air them at the earliest convenient time. Are you planning another session in the foreseeable future to address cottager's concerns. I am prepared to travel to Sudbury if there is a meeting scheduled in that area. My email address is: [REDACTED] Thank you.

Stephanie Hodson

From: Stephanie Hodson
Sent: Friday, April 01, 2011 2:52 PM
To: Stephanie Hodson
Subject: Thank you for Attending the Wabagishik Rapids Public Information Centre

Categories: Logged, Public

April 1, 2011

Thank you for attending Xeneca's Public Information Centre for the proposed Wabagishik Rapids project on the Vermillion River.

You have been added to our stakeholder contact list and will you notified of project updates as they become available.

In the meantime please refer to www.xeneca.com for the most up-to-date project information.

Thank you, and have a nice afternoon!

Yours truly,
Steph

Stephanie Hodson
Public Affairs Liaison
Xeneca Power Development
5160 Yonge St., Suite 520
North York, ON M2N 6L9
T: 416-590-9362 X 112
F: 416-590-9955
www.xeneca.com

Stephanie Hodsoll

From: Yvon Picard [REDACTED]
nt: Wednesday, April 13, 2011 5:59 AM
to: Stephanie Hodsoll
Subject: RE: Wabagishik Rapids PIC Panels

Categories: Logged, Public

Hello Stephanie

Thank you, thank you, thank you, for sending me the info on the Wabagishik Project.

It will take me three or four day to read the whole presentation. Just a quick info of what I looked at . The head , the flow volume cubic meters per second the estimated Kw output . How far is the OPA Grid to connect to . 720 Kvolts.

A big thank you

Yvon Picard

PYRPOWER Corporation

Sudbury On
[REDACTED]

Subject: Wabagishik Rapids PIC Panels
Date: Tue, 12 Apr 2011 15:01:40 -0400
From: SHodsoll@xeneca.com
To: SHodsoll@xeneca.com

April 12, 2011

Good afternoon!

We have updated the Xeneca website with the panels that were displayed at the Wabagishik Rapids Public Information Centre (PIC) on March 22 in Espanola.

Please click here to view this information.

If you have any questions or comments, please let us know.

Thank you for your ongoing interest in this project.

Yours truly,
Steph

Stephanie Hodsoll
Public Affairs Liaison
Xeneca Power Development
5160 Yonge St., Suite 520
North York, ON M2N 6L9
T: 416-590-9362 X 112
F: 416-590-9955
www.xeneca.com

Stephanie Hodsell

From: Stephanie Hodsell
Sent: Tuesday, April 19, 2011 2:13 PM
To: [REDACTED]
Subject: Thank you for your introduction package

Categories: Public, Logged

April 19, 2011

Hi Tyler & Denis,

Thank you for the introduction package you sent to Xeneca.

As we are still going through the Class EA process for our proposed Wabagishik Rapids project, we are not yet at the stage of procuring workers. Please note that it is Xeneca's corporate policy to procure locally as much of the project's required goods and services as possible.

I would also suggest you check the 'Employment Opportunities' link on our website - http://www.xeneca.com/contact/contact/employment_opportunities.html

We will keep your information on file.

Thank you again for your interest.

Yours truly,
Steph

Stephanie Hodsell
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F: 416-590-9955
www.xeneca.com

Stephanie Hodsell

From: Vanesa Enskaitis
Sent: Tuesday, May 03, 2011 2:19 PM
To: Stephanie Hodsell
Subject: FW: Wabageshik Lake Project - public enquiry

Categories: Logged, Public

From: Robinson, Bob L. (MNR) [mailto:Bob.L.Robinson@ontario.ca]
Sent: Tuesday, May 03, 2011 1:39 PM
To: Mark Holmes; Vanesa Enskaitis
Subject: Wabageshik Lake Project - public enquiry

Hi Mark, Vanesa;

On approx. April 27, I had a call from a member of the public regarding the proposed Wabageshik Lake project on the Vermillion River.

He owns land near Elizabeth Lake, and understands that Xeneca's proposed transmission line passes through his property. He stated that he had no previous knowledge of any proposal.

I encouraged him to contact Xeneca directly, be placed on your mailing list, etc.
He also asked if I would pass on his name/number:

Mr. Philip Ponget

Hope this is helpful.

Bob Robinson
MNR – Sudbury District



5160 Yonge St., Suite 520, Toronto, ON M2N 6L9
tel 416-590-9362 fax 416-590-9955 www.xeneca.com

Field Conversations

Project Name/River: 1050 Wabagishik/ Vermilion R.

Date: 25-May-11

Scientist name: Brian Watson, Blair Baldwin NRSI

Speaking to: Pete Nelson, Fishermen [REDACTED]

Issues discussed/of concern:

Pete caught a 30 pound Lake Sturgeon in the Vermilion River below the first rapids upstream of the Spanish River in August 2010. He caught the fish on jig and worm.



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Field Conversations

Project Name/River: 1050 Wabagishik/ Vermilion R.

Date: 27-May-11

Scientist name: Brian Watson, Blair Baldwin NRSI

Speaking to: Tyler Scoyne, MNR employee in Espanola

Issues discussed/of concern:

Tyler observed a Sturgeon breach the surface of the water below the first rapids on the Vermilion River upstream of the Spanish River. This Sturgeon sighting was on Friday May 27, 2011 at 2100hrs. He also mentioned that most Sturgeon caught in this area have been less than 50cm in length.

**Declaration of Community
Partners to Implement
the EarthCare Sudbury
Action Plan**



**Déclaration des partenaires
communautaires afin de mettre
en oeuvre le Plan d'action de
Terre à coeur Sudbury**

Our Commitment...

The undersigned organization commits to:

- ◆ Join together to form the EarthCare Sudbury Community Partnership to initiate and sustain implementation of the EarthCare Sudbury Action Plan, Greater Sudbury's community plan for a cleaner, greener, healthier, more climate-friendly and sustainable community.
- ◆ Work with other EarthCare Sudbury Partners, community organizations and individual Sudburians to take local responsibility for actions that contribute to community sustainability and the reduction of greenhouse gases through sustained implementation of the plan over the long-term; and,
- ◆ Share knowledge and progress on our plan's implementation with the citizens of Greater Sudbury and communities throughout Canada and beyond.

Sudburians Taking Action

Notre engagement...

L'organisme soussigné s'engage à :

- ◆ Se joindre à d'autres afin de former le Partenariat communautaire de Terre à coeur Sudbury afin d'entreprendre et de soutenir la mise en oeuvre du Plan d'action de Terre à coeur Sudbury, plan communautaire du Grand Sudbury visant une collectivité plus propre, plus verte, plus saine, plus favorable au climat et plus viable.
- ◆ Travailler de concert avec d'autres partenaires de Terre à coeur Sudbury, des organismes communautaires et des particuliers de Sudbury afin d'assumer une responsabilité locale quant aux mesures qui contribuent à la viabilité communautaire et à la réduction des gaz à effet de serre grâce à la mise en oeuvre soutenue du plan à long terme.
- ◆ Faire part des progrès accomplis et des connaissances acquises au sujet de la mise en oeuvre de notre plan aux citoyens du Grand Sudbury et à d'autres collectivités dans tout le Canada et ailleurs.

Des Sudburois qui agissent

Name / Nom

Title / Titre

Organization / Organisme Xeneca Power Development Inc

Address / Adresse 5160 Yonge Street, Suite 520

Postal Code / Code postal M2N 6L9

Email / Courriel

Telephone / Téléphone 416 590-9362

Fax / Télécopieur 416 590-9955

Website / Site web WWW.XENECA.COM

Signature

Date

July 5/2011

Please fax the completed form to 705-673-2200.

Veuillez télécopier le formulaire au 705-673-2200.

From: [REDACTED]
To: [Stephanie Hodsoll](#)
Subject: RE: Proposed Vermillion River Dams
Date: September-02-11 9:07:21 AM
Importance: High

As my trapline is North of Highway 17, this will not affect my area.
Thank you.

Subject: FW: Proposed Vermillion River Dams
Date: Tue, 30 Aug 2011 15:21:13 -0400
From: SHodsoll@xeneca.com
To: [REDACTED]

August 30, 2011

Hi again Mr. Leblanc,

Just wanted to follow up on my email from August 18th (below.) Please let me know immediately if you are interested in speaking with anyone from Xeneca about the proposed Wabagishik Rapids project.

Thank you!

Yours truly,
Steph

Stephanie Hodsoll
Public Affairs Liaison
Xeneca Power Development
5255 Yonge Street, Suite 1200
North York, ON M2N 6P4
T: 416-590-3077
F: 416-590-9955
www.xeneca.com

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From: Stephanie Hodsoll
Sent: Thursday, August 18, 2011 3:57 PM
To: Mike LeBlanc
Subject: RE: Proposed Vermillion River Dams

August 18, 2011

Hi Mr. Leblanc,

Hope you're doing well.

I just wanted to follow up on our correspondence from earlier this year. Would you be open to a phone call to discuss some of your concerns regarding our proposed projects on the Vermilion River? If so, please identify the subject matter(s) of your concerns so that I can ensure the right person phones you.

Please let me know.
Thank you!

Yours truly,
Steph

*****Change of Address Alert*****

As of August 29, 2011 Xeneca will be located at:
5255 Yonge Street, Suite 1200
North York, ON M2N 6P4

Please send all post to this new address.
Phone numbers & email addresses will remain the same

Stephanie Hodsoll

Public Affairs Liaison
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F: 416-590-9955
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From: Mike LeBlanc [REDACTED]
Sent: Monday, January 24, 2011 11:28 AM
To: Stephanie Hodsoll
Subject: RE: Proposed Vermillion River Dams

Thanks for your response.
I am however disappointed that I was not notified about the public meeting that was held last week. I do not get a newspaper and rarely watch television so I did not know that there was a meeting until it was over.
Please keep me updated as to any other meetings.

Thank You

Subject: RE: Proposed Vermillion River Dams
Date: Wed, 19 Jan 2011 16:23:12 -0500
From: SHodsoll@xeneca.com

To: [REDACTED]

January 19, 2011

Hi Mr. Leblanc,

I apologize for the delay in response.

Thank you for your interest in the proposed renewable energy projects on the Vermillion River. I have added you to the stakeholder contact list and you will be notified of project updates.

Please let me know if you have any questions, comments or concerns as we are accepting public input and comment at this stage in the Class EA process.

As always, please visit our website at www.xeneca.com for more information. We are currently in the process of revamping the site to provide more project information.

Yours truly,
Steph

Stephanie Hodson
Public Affairs Liaison
Xeneca Power Development
5160 Yonge St., Suite 520
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From: Mike LeBlanc [REDACTED]
Sent: Monday, December 20, 2010 9:21 AM
To: Vanesa Enskaitis
Subject: Proposed Vermillion River Dams

I am the licensed trapper for that area of Vermillion River.
Please include me on the mailing list for any information and meetings about this project.
[REDACTED]

Thanks

STAKEHOLDER LOGS

Project Name	Vermilion River		
Xeneca Contact	Mark Hoffman		
Organization		Date of Contact	Sept. 22/11
Stakeholder Name and Title	Brad Benson - landowner on Vermilion R.		
Contact's Address			
Contact Mode	<input type="checkbox"/> Mail	<input checked="" type="checkbox"/> Phone	<input type="checkbox"/> In person
Summary of Discussion	<p>Call initiated by contact from Mr. Benson who describes himself as a Subbing resident living in proximity to Vermilion R. Concerns are based on discussion with Linda Heron who is a principle of Ontario River Alliance, an NGO opposed to waterpower development in Ontario. Mr. Benson expressed concern over project impact to his property, water quality issues, flooding, water low water levels.</p> <p>During discussion Mr. Benson was informed that impact to his property would be zero.</p> <p>A number of factual errors relayed by Ms. Heron re: ESA process, timelines was corrected.</p> <p>A list of studies being conducted on river to assess biological impacts was provided to Mr. Benson who was also directed to website for regular info updates.</p> <p>Mr. Benson added to stakeholder list</p> <p>Conversation lasted approx. 45 mins</p>		



Project Name	Wabagishik Rapids		
Xeneca Contact	Stephanie Hodsoll		
Organization		Date of Contact	October 7, 2011
Stakeholder Name and Title	John Stoltz, Cottage owner on Wabagishik Lake (last cottage at very end of lake closest to project, south side)		
Contact's Address	[REDACTED]		
Contact Mode	<input type="checkbox"/> Mail <input type="checkbox"/> Phone <input type="checkbox"/> In person		
Summary of Discussion	<p>John called because he is concerned about what the project will do to lake levels. He understands that projects like this are necessary to keep up with our power demands. I told him that the post-project level during low seasons will be about the average annual lake levels; the high levels will be unchanged. Lake levels will also be maintained during the summer. Generally, these effects are considered beneficial to cottagers as 'dry docking' is avoided and water levels are maintained throughout the summer months. I also told him that this will be a modified run-of-river project with a maximum daily fluctuation of 10 cm. Water will never be held back for longer than 1 day, and the plant will operating with peaking. We had a nice discussion and he will be sending me some photos of the area. He would like a copy of the new project location/maps/access etc. which I told him we are preparing for the Oct. 20th PIC.</p>		

STAKEHOLDER LOGS

Project Name	Crabapple Lake		
Xeneca Contact	Mark Holmes		
Organization		Date of Contact	Oct. 18/2011
Stakeholder Name and Title	<p>John Stoffz. Collage owner on Crabapple Lake concerned about project proximity to lake & effect on water levels & fishing. M. Holmes provided detail on project location (downstream from lake and that while hydrologically connected, project will only affect lake levels plus or minus 5cm. Stoffz asked if he knew of collage organization or if contact request upstream hydrologically lake</p>		
Contact's Address			
Contact Mode	<input type="checkbox"/> Mail <input checked="" type="checkbox"/> Phone <input type="checkbox"/> In person		
Summary of Discussion			



Project Name	Wabagishik		
Xeneca Contact	Rob Gilmour, Hill & Knowlton		
Organization	Espanola and District Snowmobile Club	Date of Contact	November 16, 2011
Stakeholder Name and Title	Denis Lendrum		
Contact's Address	[REDACTED]		
Contact Mode	<input type="checkbox"/> Mail <input type="checkbox"/> Phone <input type="checkbox"/> In person		
Summary of Discussion	<p>Call overview: Denis was very understanding and collaborative. He understands the need to move this project forward and could be an ally if properly consulted. As long as his seemingly realistic concerns are addressed he will be a supportive stakeholder.</p> <p>The call:</p> <p>(approximately 20 minute conversation)</p> <ul style="list-style-type: none">○ Looks after snowmobiling in area○ Assume they will use their route to get to site (likely best site)○ Denis's group built the trail – and walked just about every inch of the bush to find best path○ Plan for dam is probably only a few hundred feet from 120 foot long bridge over river○ Concern: when bridge was designed, there was very little water. Obviously, head pond will back up – and this was never in the design of the bridge○ Concern: if they build the head water back up, ice will form, and when it melts will it come shooting down? Will they address it? (Will engineers look at bridge and assess?)○ In a letter they received, company will address at their cost. (he respected this)		

- (page 2 of 2: David Lendrum)
- **Therefore, main concern:** if they use the trail, how will it work? (with them driving vehicles and snowmobilers – as intended.)
- Have used trail with loggers – sat down and found compromise
- His view: isn't his land, is crown land. Therefore, let's all sit down and work together
- Great guy – understands public consultation and wants to work collaboratively
- One more thing: small bridge (25 ft long) at the beginning... only rated for 5 tonnes, and they would have to cross it (ie: if hauling in big equipment)
- Wrote a letter back responding to email, suggested they call him when they are doing site visit – he would snowmobile them or in a cab of the groomer (very warm)
- Knows at the end of the day this will benefit everyone, and would like to help
- Would like to sit down with engineers and club members to simply discuss
- Isn't suggesting they build a new trail... but need to find a solution (ie: possibly widen a corner of the trail)
- Analysis: amazing gentleman to speak with – wants to collaborate and understand the process. Likes hydro and likes when his lights go on.
- "the river isn't my issue, just wants to look after snowmobile trail"
- Best way to reach is email: [REDACTED]
- Looks after 5 clubs: www.rcsasnow.com
- (note for Rob: lived in Manitouwadge for one summer)
- Actual club looking at for this is espanola club

Project Name	Wabagishik		
Xeneca Contact	Rob Gilmour		
Organization	Hill & Knowlton	Date of Contact	November 16 2011
Stakeholder Name and Title	Marc Samson		
Contact's Address	[REDACTED]		
Contact Mode	Telephone		
Summary of Discussion	<p>Call overview: Has no concern with clean, renewable energy but does have concern with fluctuating water levels. If his concern is properly addressed he will be, at the very least, a neutral stakeholder.</p> <p>The call:</p> <p>(approximately 15 minute conversation)</p> <ul style="list-style-type: none"> ○ Wrote a response letter to Stephanie – she forwarded me letter they are sending to Marc) ○ No one has responded... but he didn't expect a response (note: he will appreciate receiving a response as he doesn't believe he will receive one) ○ Main concern: fluctuating water levels ○ Been on lake for 35 years ○ Has seen the water go up and down quickly even with rain and vermillion water shed and mine... and water went up 3 ½ feet in just a matter of days ○ Concerned about flooding (had 3 inches in his camp when lots of rain and thaw, etc... during fall of 1984 during record level 25 years ago... is concerned though, will it happen with dam?) ○ Valley Inco at other at Lorne falls, 		

- (page 2 of 2 Marc Samson)
- Doesn't understand how/why dam will be further up the rapids. Will the water be held back at a higher level than what originally proposed? Main concern... does that mean more water and more of the shoreline will be flooded? Will it be higher in the summer? (Doesn't like the thought of 3 or 4 inches higher for low water mark.)
- No quarrel with clean, renewable energy... just concerned about fluctuating water levels.
- (It rises so quickly – asked Mark Holmes if it would be manned, he said not at all... but will
- Have cameras and a hotline – concerned that if people don't live out there and see it right away.
- "enough issues with nature, without a manmade structure adding to it"
- Will be opposed until his fears are addressed and allayed, and once they are will be fine.
- (isn't really concerned with species protection... feels they are groping at straws)
- Prime concern: watching water rise
- Someone (gentleman from natural solutions maybe?) was going to approach him after open house... as he has evidence of varying water levels



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November 18, 2011

Mr. Allan Basso

Dear Allan,

Thanks again for your interest in Xeneca's proposed Wabagishik Rapids waterpower project, downstream of Wabagishik Lake on the Vermilion River. Your attendance at our Public Information Centre on October 20th and your questions are greatly appreciated.

Regarding concerns over ice build-up and flooding of Wabagishik Lake, we understand this has historically been a problem, and we want to advise that the spillway capacity of the Wabagishik project is designed to be larger than the natural capacity of the Wabagishik Lake outlet. In other words, in the design process Xeneca will make sure the spillway capacity of the project Wabagishik Rapid GS will be big enough so that the flow from the Wabagishik Lake will not be restricted, especially in the extreme flood and high flow conditions.

Given your history and knowledge of the lake, your input would be gratefully accepted as we continue to model the zone of impact for any changes that our facility may create.

Should you have any further questions or comments, please contact me.

Very best regards,

A handwritten signature in black ink, appearing to read 'Mark Holmes', is written over a light blue horizontal line.

Mark Holmes
Vice President, Corporate Affairs
Xeneca Power Development
416-590-9362
647-588-9707 (cell)
mholmes@xeneca.com



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November 18, 2011

Mr. Marc Samson

Dear Marc,

Thanks again for your interest in Xeneca's proposed Wabagishik Rapids waterpower project, downstream of Wabagishik Lake on the Vermilion River. Your attendance at our Public Information Centre on October 20th and your questions are greatly appreciated.

Regarding your concerns over ice build-up and flooding of Wabagishik Lake, we understand this has historically been a problem, and we want to advise that the spillway capacity of the Wabagishik project is designed to be larger than the natural capacity of the Wabagishik Lake outlet. In other words, in the design process Xeneca will make sure the spillway capacity of the project Wabagishik Rapid GS will be big enough so that the flow from the Wabagishik Lake will not be restricted, especially in the extreme flood and high flow conditions.

Noting the photographs and anecdotal information you have from several decades of cottaging on the lake, your input would be gratefully accepted as we continue to model the zone of impact for any changes that our facility may create.

Should you have any further questions or comments, please contact me.

Very best regards,

A handwritten signature in black ink, appearing to read 'Mark Holmes'.

Mark Holmes
Vice President, Corporate Affairs
Xeneca Power Development
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647-588-9707 (cell)
mholmes@xeneca.com



Project Name	Wabagishik		
Xeneca Contact	Rob Gilmour, Hill & Knowlton		
Organization	OFAH	Date of Contact	November 22, 2011
Stakeholder Name and Title	Rolland Frappier		
Contact's Address	[REDACTED]		
Contact Mode	<input type="checkbox"/> Mail <input type="checkbox"/> Phone <input type="checkbox"/> In person		
Summary of Discussion	<p>Call overview: Does not want a dam but likes electricity and understands the need. Suggests Xeneca consider a hatchery and invites conversation to find "win win" scenarios to benefit all. Worth a discussion – possible to move from neutral-trending negative to neutral-trending positive.</p> <p>The call:</p> <p>(Approximately almost 25 minute call)</p> <ul style="list-style-type: none">○ What's going to happen to spawning bed?○ And how can we end up with better / same quality of fishing with these projects?○ Two: centennial park (off old hwy 17)○ Below wabagishk lake –is last spawning bed for pickerel/wallaye on that river (because there is another dam that used to belong to Inco, now vale, and was built 6070 years ago... therefore, only remaining site is where Xeneca wants to build a dam)		

(2 of 3 Rolland Frappier)

- Not sure if gov't will allow to go forward, but understands it will probably go forward... in which case, suggest we all look at alternative and/or add to project – build a walleye hatchery (everything is there that is required, gravity feed water source and therefore only small building)
- Is President of United Walleye clubs (president – 10 hatcheries from Parry Sound, Sudbury, Temagami, North Bay... run by volunteers)
- When he spoke at last meeting, mentioned it would be good for Xeneca, good PR... low cost to set up, and once set up relinquish to community to run it. Only time on site would be to collect walleye culture (eggs and fertilizer) if feasible on this site,
- If dams are to go forward, community needs some way of enhancing, or at least mainlining, fishing that is already there. (feels it is a great idea for Xeneca -- eggs hatch in 21 days, therefore, people only there for 1 ½ months... one week to set up, 21 days for eggs, then shuts down for season)
- Good system would have 6-12 belljars running (don't necessarily need hatchery at every site)
- Could supplement all sites from one hatchery (MNR might like this... though MNR likes nature approach, but building dams will change this, so hatchery could help)
- Hatchery: gives back to community, some local game and fish club or high school could run it (and college students have to do placements)
- Seems like a no-brainer with minimal cost. Will have power on site so could have power (could even bring school kids to site to see how hatcheries are run... involves the community and satisfies a need. Great PR for Xeneca and for MnR.
- Would rather not see the dam, but if we want lights to go on, something has to happen. Understands dam will probably get built whether I like it or not, so what is it we can gain for these communities and upcoming generations? Feels like a win-win. (just saying "I don't want the dam" and not working with people is the wrong approach – what can we give back to nature to enhance)
- Other concern re: Wabagishik site: is a migration route for deer in the Spring and Fall. They actually cross the river at shallow point just below proposed dam (understands Xeneca biologists have discussed)
- If we do build these dams, we should give back to nature and the community (INCO used to donate to hatcheries and likes the PR)

(3 of 3 Rolland Frappier)

- Suggest: come spring, when club-run hatcheries are up and running, people from Xeneca responsible for these projects should come and see how hatcheries run and function... and look at walleye culture under microscope
- If want to meet or look at a hatchery, please feel free to contact him anytime



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November 23, 2011

Mr. Larry Becks



Dear Mr. Becks,

Thanks again for your input regarding algal blooms in Wabagishik Lake. From conversations that you had at the October 20th Public Information Centre in Espanola, we understand that this year and in other low flow years, there has been an algal bloom problem on the lake. We understand that you have a concern that Xeneca's proposed Wabagishik Rapids project may slow the flushing time of the lake and exacerbate the problem.

Algal blooms may occur in freshwater lakes due to an excess of nutrients, e.g. phosphorus, and may be favoured when resident time of the lake is increased. The Wabagishik Rapids project, however, will not change nutrient load or flushing time of Wabagishik Lake.

Wabagishik Lake is located about 600 metres upstream of the proposed project. The new headpond to be created by the project will extend 600 metres upstream at a new and stable level. During the low flow season a portion of the flow will be held back for 12 to 16 hours per day to store water, and then released during the 11 a.m. – 7 p.m. operating period to generate electricity. The amount of water moving through the lake each day will not change and the water level will return to the same level each day so that the overall flushing rate will not change. The project will not, therefore, cause any change in the overall flushing rate in the lake or the algal bloom situation.

For areas downstream of the project, Xeneca will be adhering to industry standards for construction and operations by removing vegetation in the inundation area, including some top soils. Removing this vegetation will reduce nutrient sources to downstream and so we do not anticipate that the project will in any way exacerbate nutrient loading in downstream areas.

Algal blooms can also be linked to phosphorus that is released from the bottom sediments of lakes under conditions of anoxia (loss of dissolved oxygen.) We do not expect that anoxia will form in the area of project inundation as it is only 6.1 metres deep and therefore will not undergo thermal stratification, which can promote anoxia. We expect to have no impact on oxygen status or water quality downstream of the Wabagishik Rapids project site.

The Ontario Ministry of the Environment reports that algal blooms are becoming increasingly common in Precambrian Shield lakes across Ontario. They relate this, in part, to climate change and resultant increases in water temperatures, a longer ice-free season and reduced water column mixing¹. All of these factors occur independently of the Wabagishik Rapids project.

In summary, the operational scenario for the Wabagishik Rapids project means that it will not alter any flushing, nutrient or oxygen relationships in the Wabagishik Lake and will therefore have no impact on algal blooms in the lake.

Input from stakeholders like yourself helps to improve our project and we appreciate you taking the time to discuss your concerns. If you have any further questions about our Wabagishik Rapids project, please don't hesitate to follow up.

Yours truly,

A handwritten signature in black ink, appearing to read 'Edmond Laratta', with a long horizontal line extending to the right.

Edmond Laratta
Manager, Environmental Programs and Approvals
Xeneca Power Development
(416) 590-3069
elaratta@xeneca.com

¹ Winter, J.G., A.M. DeSellas, R. Fletcher, L. Heintsch, A. Morley, L. Nakamoto and K. Utsumi. 2011. Algal blooms in Ontario: Increases in reports since 1994. Lake and Reservoir Management 27:107-114.



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Xeneca Response to VSAC Questions Vermilion River Projects

1. When will the Environmental Report and Notice of Completion expected to be submitted by Xeneca?

Xeneca has revised its EA schedule due to various MNR requests. Some projects are on the "fast track" to be completed (submit Notice of Completion) by the end of 2012, while others will be completed in 2013.

Wabagishik is a "fast track" project, and we currently expect that the Environmental Report (ER) will be released in August 2012. Based on this date, Notice of Completion is expected to be submitted in mid-September 2012. The other Vermilion projects will be completed in 2013.

2. What will the head be - there was mention that it could be 6 meters or more?

	Project Name	Normal Operation Level (NOL)	Tailrace water Level	Gross Head
		(m)	(m)	(m)
1	Wabagishik Rapids	205	199	6
2	At Soo Crossing	238.5	231.5	7
3	Cascade Falls	252	242	10

3. How do you measure the head - height of water from the top of the turbines - base of the river - or what?

Head of a hydropower project difference between Normal Operation Level (NOL) of the headpond and tailrace water level just downstream of the turbine.

4. What will the man-made increase in water levels be at any given time as a result of the proposed dam?

	Project Name	Pre-Project Level (m)	Post-Project Level (m)	Difference (m)
1	Wabagishik Rapids	199.59	205	5.41
2	At Soo Crossing	234.67	238.5	3.83
3	Cascade Falls	243.16	252	8.84

5. What will be the maximum hourly/daily fluctuation of water levels on Wabagishik Lake - especially during the low flow summer months from mid-July to end of October?

The project operating plan has a proposed 10 cm maximum daily fluctuation of Wabagishik Lake. To put this into perspective, the lake fluctuates by a few centimetres daily due to natural causes and seasonal fluctuations are in the range of 1.5m. The changes will be virtually unnoticeable to recreational users of the lake.

6. If there are conflicting issues with MNR & MOE regarding (Q80), how is Xeneca going to go forward on the environmental issues?

We will continue discussions with these agencies until a consensus is reached.

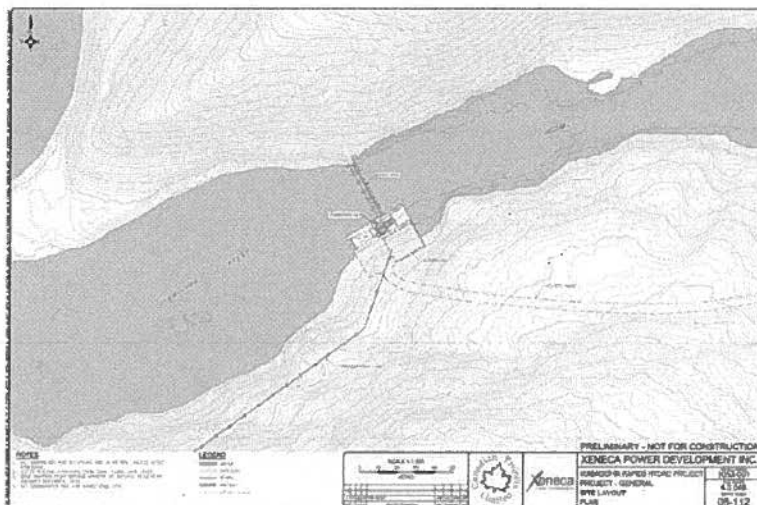
7. MNR suspects the zone of influence could be all the way out to the Spanish River, and beyond - so how is Xeneca going to go forward?

The Spanish River confluence is about 5 km downstream of the proposed project site, and we believe that the effects of the Wabagishik project operation will be almost zero at this confluence zone. Xeneca is currently working on the unsteady hydraulic modeling to verify this assumption.

8. Is Xeneca conducting field studies all the way out to the confluence of the Vermilion with the Spanish?

The Spanish River confluence is about 5 km downstream of the proposed project site, and we believe that the effects of the Wabagishik project operation will almost zero at this confluence zone. Xeneca is currently working on the unsteady hydraulic modeling to verify this assumption. This modeling will determine where there are impacts and help in identifying any features that may be affected.

Please see the site maps below. The powerhouse and dam locations are now situated further upstream than the original proposal. The location change occurred due to discussions with area landowners and the discovery of a sensitive spawning habitat. The facility will be located approximately 600 m downstream of Wabagishik Lake.



10. Will Xeneca conduct silt sampling of river-bottom sediments for heavy metals & chemicals?

There is no plan to conduct river-bottom sediments for heavy metals or chemicals.

11. What will be the design of the facilities with regard to safety - for existing canoe portages?

Safety is paramount. Xeneca will be working with a third-party engineering firm to develop a dam safety plan, which will be available for public viewing once complete.

At all of our sites, including all Vermilion sites, we maintain commitments to move any existing portages to ensure that the recreational community can still use the area.

12. What are the plans for compensation when there once were recreational rapids and after a dam is built there will not?

Mitigation/compensation will be determined through consultation with government agencies including the Department of Fisheries and Oceans Canada

13. What will be the signage or safety features for paddlers that will indicate when a dam is downstream?

Again, Xeneca will be working with a third-party engineering firm to develop a dam safety plan, which will be available for public viewing once complete. We will ensure that all appropriate safety measures are taken. Under most conditions warning signs will be posted and a safety boom extended across the river above the structure.

14. What will warnings will be used when the dam will be releasing water?

There will be no mass water releases that will present any danger to the public. Rise and fall of water levels will occur slowly and will not require any warning to the public.

15. How will Xeneca protect the Public from the several times daily increased flow velocity and water level changes?

There will be no mass water releases that will present any danger to the public. Rise and fall of water levels will occur slowly and will not require any warning to the public.

16. How will this frequent fluctuation in water flow velocity and levels affect ice safety throughout the winter months?

Xeneca will work with an independent river ice expert to assess the stability and safety of ice due to intermittent operation of the plant.

17. Why are you using flow measurements from the Wanapitei River when there are flow measurements available for the Vermilion River at Val Caron and Lorne Falls?

The hydrology analysis of the project was based on the Water Survey of Canada data (from 1954 to 1993.) Recently, Vale has provided daily average flow at Lorne Falls which has been used for the newest HEC RAS model calibration.

18. Has Xeneca been taking flow measurements at each of the proposed dam locations on the Vermilion River since 2009?

Xeneca has installed water level meters at each proposed dam location which record hourly water level information. If needed, this level information can be converted to river flow by using a calibrated HEC RAS model.

19. How accurate are your LiDAR & Bathymetric conclusions when your data relies on Google Earth aerial photography, estimating depths based on water color and surface turbulence?

HEC RAS models have incorporated both LiDAR and bathymetric survey information. Bathymetric surveys have been done near the dam/weir locations. LiDAR information was used only to identify the river valley and water survey elevation on the LiDAR survey day. Google Earth imagery was used only to verify some of the river channel morphology obtained from the LiDAR data.

20. If Xeneca is guessing at the depth and contours - then how accurate are your assumptions that the proposed structure would maintain normal operating levels and flows up to a 1:100 year flood when this conclusion is based on guesswork?

Water level information is obtained from the calibrated HEC RAS model; there is no guesswork involved. This modeling work was done by a professional engineer, and the modeling approach has been discussed with MNR and MOE. Nobody has raised objections on the modeling approach and flood level obtained from the HEC RAS model.

21. Has Xeneca established the current base mercury levels in fish tissue?

Yes, we have an ongoing program to collect this data now, and we will compare it to post-operational results in 2015 and 2018.

22. How many hectares of newly inundated area on Wabagishik Lake will be affected?

No additional area will be inundated on the Wabagishik Lake due to the Wabagishik Rapids project. The inundation level and area will be the same as the area's natural state.

23. How many hectares will be wetland?

There will be no change from the present condition.

24. Has Xeneca predicted the amount of increase in mercury levels in fish tissue after the proposed dam?

We are measuring mercury levels pre- and post-operation of the project.

There is no reason to believe a significant increase will happen as we will employ the industry standard of removing trees from our head pond area.

Our shoreline headpond area is typically shallow and intermittent and this is not associated with significant increases in mercury. Where there are large, permanent reservoirs where trees are not removed and are fully under water, increased mercury levels have been observed, but this is not representative of our operation.

We do not use mercury or generate increased mercury levels ourselves; mercury in streams is typically associated with past diamond or gold mining operations.

25. What will be the minimum amount of water flow released at all times through or over/ the dam?

Ecological flows are flow levels which must be maintained at all times to ensure the ecological integrity of the river system. These ecological flows are determined through discussions with government agencies and Xeneca.

26. What will be the minimum and maximum flow velocity - and the maximum increase - over how long?

Project	Flow	Flow (m ³ /s)	Distance From Dam	Pre-project velocity (m/s)	Post-project velocity (m/s)
Wabagishik Rapids	Long Term Average Flow (LTAF)	47.3	145 m Upstream	1.13	0.31
	1:2 year	268	145 m Upstream	3.66	1.78
		32	145 m Upstream	0.84	.21
		16.3	145 m Upstream	0.50	.11
		10	145 m Upstream	0.34	.07

27. What will be the ramping speed and over what time?

In the draft operating plan, the ramp up and ramp down time has been proposed at 20 minutes.

28. Will there be any navigation problems downstream when water is being held back?

Under the Federal Ministry of Transports Navigable Waters Protection Act (NWPA) flows must be maintained at level that maintains current navigability.

29. What are all the risks to public health and safety?

Please note previous answers regarding full safety audit by qualified, third party engineering firm.

30. How many months of the year will there be intermittent peaking operations?

The Operating Plan (OP) recognizes the importance of the spawning bed downstream of the facility and the need to provide flows to this area during periods of habitat activity. The following will be incorporated in the OP:

- a. Spring Operation:** No intermittent operation will occur during this period to protect spawning and other habitat considerations.
- b. Summer Operation:** Minimum flows are set at a level that reflects reduced habitat activity during this period. Ramp rates were set to minimize sudden changes of flows.
- c. Fall Operation:** Minimum flows would be set at a level that reflects reduced habitat activity during this period. Ramp rates were set to minimize sudden changes of flows.
- d. Winter Operation:** Minimum flows are set at a level that reflects minimal habitat activity. Ramp rates are proposed minimize sudden changes in flow.
- e. Intermittent Operation:** A lake-like feature begins downstream of the facility and the spawning bed. It was concluded that the effects of variable flow due to intermittent operation will not be noticeable beyond this point.

Muriel Kim

From: Stephanie Hodson <SHodson@xeneca.com>
Sent: July-19-12 4:19 PM
To: Stephanie Hodson
Subject: Wabagishik Rapids - Zone of Influence
Attachments: 2012Jul13WabZOIMapUpdate2.pdf

July 19, 2012

Dear stakeholders,

Further to the Upcoming Public Information Centre (PIC) on July 25 at Espanola Recreation Centre for the Proposed Wabagishik Rapids Hydropower Project

Xeneca would like to confirm that Wabagishik Lake is within the Zone of Influence for this project. The headpond created at the weir could extend into Wabagishik Lake. Most of the time the project will follow natural lake level but there is a possibility for a small (+/- 5 cm) fluctuation in the lake level to occur.

Please see the attached map with more details on the full extent of the Zone of Influence for this project.

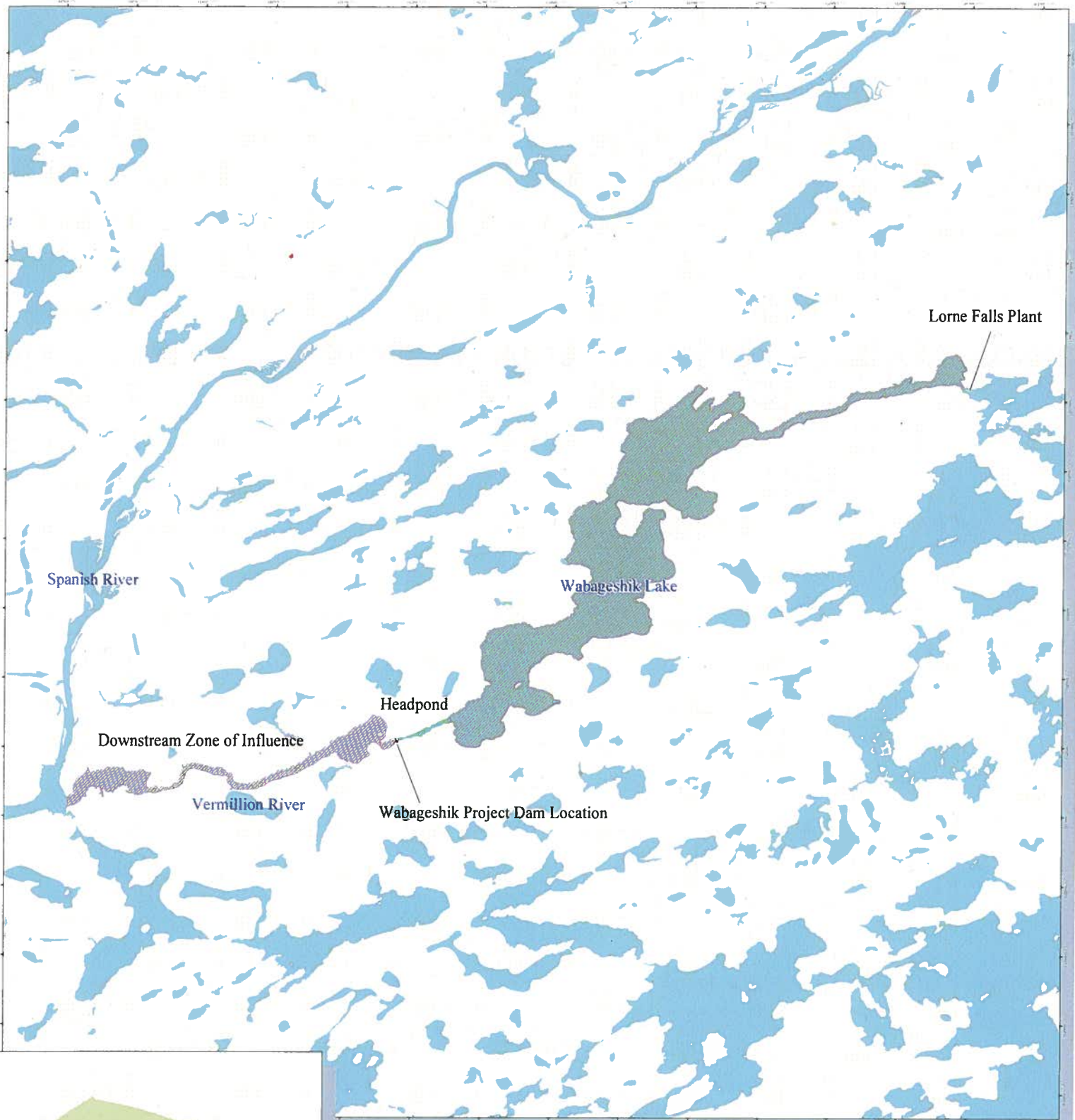
This map will also be on display at the PIC on July 25 in Espanola. We would be pleased to answer any questions you have at that time.

For more details about the PIC, please visit <http://www.xeneca.com/home/Latest%20Updates/updates.html>

Again, we hope to see you at the PIC!





Cheers,
Steph

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Reference data from the LIO, MNR, NRCan - UTM 17N - Produced by N Collard - Jul 13, 2012

Wabageshik: Zone of Influence

-  Downstream Zone of Influence
-  Headpond
-  Wabageshik Lake
-  Waterbodies

