Note

Prior to the release of the Draft EA, the Project was referred to as the *Island Falls Hydroelectric Project*. Following release of a draft environmental assessment report for review by First Nations, agencies, and members of the public, numerous comments were received. As a direct result of agency and public consultation, YFP made a decision to relocate the Project two kilometres upstream of Island Falls to Yellow Falls. Accordingly, the Project name has changed to the "Yellow Falls Hydroelectric Project" and the Project nameplate capacity has changed from 20 MW to 16 MW. Average annual energy production is estimated at 70.1 GWh.

All documents contained in Appendix E are as provided at the time of publication. Therefore, some documents contained in this appendix may not reflect evolution of the Project over the course of the Environmental Assessment Process. For current information regarding timelines, etc. please refer to the main body of the EA Report.

Appendix E2

Agency and Public Correspondence Concordance Tables

YELLOW FALLS HYDROELECTRIC PROJECT
AGENCY AND PUBLIC CORRESPONDENCE CONCORDANCE TABLES

APPENDIX E2

File No. 160960168

Prepared for:

Yellow Falls Power LP
34 Harvard Road
Guelph, ON N1G 4V8

Prepared by:

Stantec Consulting Ltd.
70 Southgate, Suite 1
Guelph ON N1G 4P5

February 2009

YELLOW FALLS HYDROELECTRIC PROJECT
COMMENTS PRIOR TO RELEASE OF DRAFT ENVIRONMENTAL ASSESSMENT REPORT

Table of Contents

1.0 PUBLIC COMMENTS 1

2.0 FEDERAL COMMENTS 5
2.1 CANADIAN ENVIRONMENTAL ASSESSMENT AGENCY 5
2.2 ENVIRONMENT CANADA 6
2.3 NATURAL RESOURCES CANADA 7
2.4 TRANSPORT CANADA 7
2.5 DEPARTMENT OF FISHERIES AND OCEANS CANADA 8
2.6 INDIAN AND NORTHERN AFFAIRS CANADA 9

3.0 PROVINCIAL COMMENTS 11
3.1 MINISTRY OF THE ENVIRONMENT 11
3.2 MINISTRY OF TRANSPORTATION 11
3.3 MINISTRY OF NATURAL RESOURCES 12
3.4 MINISTRY OF NATURAL RESOURCES COMMENTS ON INTEGRATED SCREENING CHECKLIST 15
3.5 MINISTRY OF MUNICIPAL AFFAIRS AND HOUSING 20
3.6 ONTARIO SECRETARIAT FOR ABORIGINAL AFFAIRS 20
3.7 ONTARIO POWER GENERATION 22

4.0 MUNICIPAL COMMENTS 23
4.1 TOWN OF SMOOTH ROCK FALLS 23

YELLOW FALLS HYDROELECTRIC PROJECT
COMMENTS PRIOR TO RELEASE OF DRAFT ENVIRONMENTAL ASSESSMENT REPORT

Table of Contents

This page left intentionally blank.

1.0 Public Comments

To / From	Name	Organization	Source of Correspondence	Date	Content	Response Date	Response
To	Suzanne Henderson		e-mail	March 02, 2006	• sent project information		
From	Jean Suave		Letter	March 14/06	• Project is puzzling many residents of SRF, There are many fish species populating IF area, if project takes place, both locations will be flooded and spawning disrupted, would result in drop of fish reproduction and fish density in river, may cause species to disappear. beauty and natural resources if IF, Loon and Yellow Falls are invaluable. Area used by Fishermen, SRF Anglers and Hunters hold derbies. From information gathered at conference, seems the hydroelectric project wont help the town of SRF with more employment opportunities or monetary benefits. Asks not to build this dam.		
From	Andrea Jalbert		Phone call	May 2/06	• wants to determine what information you need from us • especially in terms of access road and overhead transmission line		
From	Mario		Phone call	Nov 2/06	• called to find out about status of project • hasn't heard anything in a while • wanted to know if Canadian power limited is in charge of project • open house planned for just before Christmas season • fish and terrestrial field work just finished and data analysis started • detailed design is still being worked out • YFP in charge of project, KPL doing design and engineering • Stantec Consulting Ltd. doing review report		
From	Al Gilleson		Phone call	Nov 6/06	• called regarding need for butterfly values at project • gave Scott Hossie's information		
From	Denis Valare		Phone call	Nov 13/06	• left msg on voicemail re: interested in bidding for construction of IF project • currently working on EAR Falls GS for OPG • phone back on Nov 13/06- number not in service		
From	Rob Fisher		Phone call	November 22/06	• left voicemail • wants to know who general contractor is • called back, gave Casey Rip at CPL as contact		
From	Dawn	Industrial Mechanical Services	Phone call	December 15, 2007	• provided contact info for CLP Casey Rip • wanted to know how many turbines, construction schedule • 2-3 turbines • probably start summer of 2007, completion in late 2008 • depends on regulatory approval process		
From	Norm Cowling	CRS CraneSystems inc.	e-mail	December 28/06	• have been in contact with Richard Slopek of Canadian Projects Ltd, who are working on Dunvegan Hydro project together with Sean Geddes • there is a need in this project for Overhead Crane • will your firm be doing procurement of this equipment or Canadian Projects • who would be looking after procurement • would like to make contact and provide our company information so as to be in a position to bid on equipment when it comes up in Feb	Jan 02/06	• Stantec Consulting Ltd. is not involved in procurement process • Provided contact info for Casey Rip at CPL
From	Jim Lefler	International Paint	e-mail	Jan 11/07	• is Stantec Consulting Ltd. involved in specifications for project • we have expertise with selection and specification of coatings for penstocks and stoplogs through OPG and Hydro Quebec •	Jan 11/07	• Stantec Consulting Ltd. is not involved in procurement process • Provided contact info for Casey Rip, CPL
From	Jim Lefler	International Paint	e-mail	Jan 11/07	• Thank you for quick reply • Has worked with Casey Rip before, will contact him		

To / From	Name	Organization	Source of Correspondence	Date	Content	Response Date	Response
From	Danny Benson		Phone call	Unknown date	• called re: consultation for aggregate permits, CM groups surveys, watercrossing permits • gave Casey Rip's contact information at CPL		
From	J. Lobell Construction	J. Lobell Construction	Phone call	February 20/07	• in business since 1955 • road building and construction • interested in building access road(s) • gave him Casey Rip's phone number •		
	Steve Konopelky	Polar Bear Camp Outfitters	Phone call	March 7, 2007	• had property south of Loon Rapids on Mattagami River, operates a tourist establishment in Cochrane with over 30 fly-in, drive-in and boat-in camps throughout the area • currently has a Land Use Permit (LUP) with MNR, operates his property as a fishing camp throughout the year • he has approached the MNR regarding an expansion of the property currently under the LUP and was told he could not get permission from MNR to do anything on land until he had a letter from YFP stating that the property was not within the area to be flooded by the headpond, and that the project will not affect his land or his LUP • he had no idea of what was proposed • Steve would like more information on the project , including any flood modeling and assessment of the headpond area • He would like a copy of the study area, showing the area of the headpond for comparison to his own mapping • Very eager to get a letter this week •	08 March 2007	• Re: land use permit area at Loon Rapids, Mattagami River • YFP has reviewed the location of the Land Use Permit Area licenced to Polar Bear Camp and Outfitters • Based on headpond operating level elevation of 244m, the proposed Island Falls Hydroelectric Project will not result in any inundation within the current LUP boundaries • I trust that this letter is sufficient for your requirements, if you have any further questions, please feel free to contact me directly
To	Peter Chan`	OPG	Phone call	March 20,07	• suggested talking to Margaret Yu and Jim Rowso • wanted more info on what CEA involved • any information release would have to be approved • assured Peter that we would not be looking for info outside the public domain		
To	Conrad and Lise Pelchat		Letter	April 27 2007	• YFP will be required to make an application to the OEB for Leave-to-Construct approval for the transmission line under Section 92 of the Ontario Energy Board Act • In preparation for the LTC application, YFP is now undertaking the design of the Project's 115 kV transmission line and would like to extend to you the invitation to comment on the transmission line		
To	Mick Paarsalu		Letter	April 27 2007	• YFP will be required to make an application to the OEB for Leave-to-Construct approval for the transmission line under Section 92 of the Ontario Energy Board Act • In preparation for the LTC application, YFP is now undertaking the design of the Project's 115 kV transmission line and would like to extend to you the invitation to comment on the transmission line		
To	Bruce Barron		Letter	April 27 2007	• YFP will be required to make an application to the OEB for Leave-to-Construct approval for the transmission line under Section 92 of the Ontario Energy Board Act • In preparation for the LTC application, YFP is now undertaking the design of the Project's 115 kV transmission line and would like to extend to you the invitation to comment on the transmission line		
To	Claude and Francine Levesque		Letter	April 27 2007	• YFP will be required to make an application to the OEB for Leave-to-Construct approval for the transmission line under Section 92 of the Ontario Energy Board Act • In preparation for the LTC application, YFP is now undertaking the design of the Project's 115 kV transmission line and would like to extend to you the invitation to comment on the transmission line		

To / From	Name	Organization	Source of Correspondence	Date	Content	Response Date	Response
From	Larry Robichaud	SRF Group	Phone call	11 May 2007	• would like to see a copy of Aquatic Assessment before the open house • JH said it will be released as part of the EA, agencies need to review it in draft form, can review and make comments when the EA is released • Does Jennifer Griffen Have a copy? JH said yes. • Trying to understand the process, is the open house the last opportunity to comment? JH said no, open house gives people a chance to review the project and studies done to date, can comment at any time • Big concern is flooding of Loon Rapids, especially sturgeon spawning • Kind of hard to determine on the basis of one year's sampling • Warned about how field work was performed (i.e. Net size, community characterization) • Moose River basin fragmentation, found spawning habitat in some areas no sturgeon spawning • Sturgeon do not spawn each year • Probably best to talk to fisheries biologist • Bruce Kilgour will be at open house		
From	Rick Issacson	Howling Wolf Expeditions	Letter	10 April 2008	• Howling Wolf Expeditions has no longer concerns with issuance of permits or approvals for planning, constructing and operation of Yellow Falls Hydro Electric project		
From	Carole Cloutier	Centre de Ressources de Smooth Rock Falls	Letter	14 May 2008	• many clients are inquiring about the construction of Yellow Falls • it would be appreciated if you could provide us with contact information of contractors who will b e working on the Project • would also appreciate if you could tell me what skills and trades will be needed, when is the construction schedule to start and if the hiring will be done through union halls		
From	Jean Sauve	Resident of Smooth Rock Falls	e-mail	August 14, 2005	• Has been trapping and fishing on Mattagami for over 30 years • Has cabin near Island Falls • Nearly all cottagers fish there b/c Mattagami is only significant body of water in area • Don't see what people of our community will profit from this plant • The area will probably not be accessible anymore and its natural beauty altered forever		
From	Denis Cadieux		e-mail	August 20, 2005	• will we be able to access area for fishing • will there be water retention		
From	Lynn Shier		e-mail	Feb 23, 2006	• noticed conflicting dates for IF open house • please confirm which is correct	Feb 27, 2006	• the correct date is March 7, 2006 • we have corrected the website
From	Murray Prior		e-mail	Feb 24, 2006	• wondering if you could keep me informed of your project as a stakeholder when new information arises • owns a piece of property in vicinity and curious as to where the road to new project was going to be constructed	Feb 28, 2006	• We have added you to our distribution list • There will be an open house March 7, 2006, details are provided on website • During open house, project representative will be on hand to answer questions as well as showing display boards that will provide you with more information on the project – including proposed location for access roads, large settlement of which is proposed upgrading of the existing Red Pine Road • If you are unable to attend the Open House, the display boards will be posted on website
From	Don Duhaime	D&S Specialty Construction Supply Inc	e-mail	March 22/06	• Specialty construction supply company in Timmins • Geared to serve this type of project • Can offer anything from Geotechnical Fabrics, and Grids, Gabion Baskets, Construction Forming Hardware and Lumber, etc… • Please sign us of for Project Distribution List • Here to assist whenever possible	March 27/06	• Company information has been forwarded to YFP • You have been added to distribution list
From	Craig Parsons	Tembec Industries Inc	e-mail	April 6/06	• Spoke with someone earlier in week about discussing road access to IF dam site and potential to discuss options with Tembec industries • An engineer was supposed to contact me to discuss • We have wood allocations in area and have proposed some new road construction to northeast of dam site • If you are still interested , I can forward a map of proposed road work and we can discuss •	April 6/06	• information that you have sent has been passed on to YFP • they will continue to be in contact with you

To / From	Name	Organization	Source of Correspondence	Date	Content	Response Date	Response
From	Craig Parsons	Tembec Industries Inc	e-mail	April 6/06	• Tembec industries is sustainable forest license holder for area around proposed IF project south of Town of Smooth Rock Falls • Would like to discuss access plans for site • Believe there are access options that may be beneficial to both companies		
From	Melanie Cossette	Journal Le Soleil	e-mail	May 30/06	• (In French) 'le Soleil" is a new newspaper, published since Feb 22/06 • offering space for articles that would interest the public or for advertising • Le Soleil is distributed free in foyers and public places, it is easily accessed by all •	June 1/06	• (In French) after holding public information sessions on the state of the project, we published notifications in various journals • if you have a translator, it would be very useful for us • additional information on the project can be found on the project website
From	Doug Sholdice		e-mail	July 19/06	• part owner of cottage 2 km down river from falls • has mixed feelings about project • where exactly is access road going to be located and will the property owners have access to the road for access to cottages • is there a map that would show the location of the road from start to finish	July 24	• sent map showing preliminary proposed location of permanent access road • can also view map and additional information on website • permanent access road is expected to be available for public use once construction of project is complete • public boat launch on Mattagami river is also being planned immediately upstream of hydroelectric facility
From	George Stanclik	Abitibi-Consolidated Company of Canada	e-mail	July 27/06	• received newsletter yesterday • would like to speak to one of engineers re: extent of flooding upstream from dam site towards Lower Sturgeon Generating Station • Abitibi-Consolidated is the owner of most of the upstream lands along 20 km of the Mattagami River in Mabee, Dargavel and Aubin Townships • Your website has a map showing yellow falls, davis rapids and loon rapids disappear and water is backing up to the base of lower sturgeon generating station • It would be preferable to speak sooner rather than later		
From	Dave Howlette		e-mail	October 4/06	• wondering about situation in regards to natural flow of river • he is a kayaker who would like to go there before rapids disappear • he sees that there are no obstructions for flow yet, wants to get better idea of schedule of work •	Oct 4/06	• currently no obstruction to flow at island falls • construction of proposed plan is to start in spring of 2007 • attached pictures of loon rapids, yellow falls, and island falls
From	Dave Howlette		e-mail	Oct 6/06	• photos are lovely bonus • has been scouting good locations for kayaking		
From	Laurent Robichaud		e-mail	March 13/07	• would like to receive results from aquatic study or the upcoming Aquatic Assessment Report • has difficulty understanding item 3 • main concerns are the possibly existing spawning beds in Areas B and C	March 13/07	• Aquatic Assessment is part of the Environmental Assessment ("EA") Report, which can be made available for your review in paper or electronic format when it is released • an advertisement will be placed in local papers when the report is released and the report will be made available at local offices and at www.islandfallshydro.com • Question 3 of the Aquatic Sampling Program, "For what life history stages are fish using Areas A, B, and C?" was asked because there is interest in knowing whether specific areas within the Study Area provide habitat for certain life stages such as spawning activities, rearing of young, and adult feeding

2.0 Federal Comments

2.1 CANADIAN ENVIRONMENTAL ASSESSMENT AGENCY

To / From	Name	Title	Source of Correspondence	Date	Content	Response Date	Response
From	CEAA		Letter	September 2006	• Federal Environmental Assessment Scoping Information for the Proposed Hydro Development at Island Falls on the Mattagami River		
From	Cathy Hainsworth	Senior Program Officer	e-mail	Feb 28/2006	• Just received public open house notification for the project • Wanted to confirm whether the proponent will be preparing project description for the project • This would be necessary if there was a possibility that a federal EA would be required	Feb 28/06	• Yellow Falls Power is pulling together the project description • Once a draft has been prepared (within next few weeks), we'll forward it to you per your instructions below
From	Cathy Hainsworth	Senior Program Officer	e-mail	Feb 28/06	• So when did you make the switch to consulting	Feb 28/07	• This is my 7th week…
To	Cathy Hainsworth	Senior program officer	Letter	April 28/2006	• Island Falls Project – Project Description		
To	Cathy Hainsworth / Scott Hossie	Senior Program Officer	e-mail	May 4/06	• as discussed with Scott Hossie, please find attached a 'scaled down' version of the Project Description for the Island Falls project • All of the text of the main document is present, but the appendices and most of the figures have been removed to reduce the file size so that it is 'e-mail friendly' • Please circulate the document as appropriate • Feel free to let me know if anyone requests a paper copy, of CD copy	May 5/06	• Great thanks, will send it out today • Scott, did you want me to provide some dates in my circulation for a start-up meeting?
To	Cathy Hainsworth / Jannifer Griffen	Senior Program Officer	e-mail	May 5/06	• Please find attached proposed terrestrial field sampling program for the Island Falls Hydroelectric Project for distribution to the relevant individuals within your organization • Cathy, we have previously received correspondence from M.A. Shaw at EC, however I have not circulated this to him directly in the event that you may want to circulate this to EC • We have developed this program based on comments received from MNR and EC, preliminary field reconnaissance, and our experience with other programs of this type • Would like to arranged a conference call with you and your colleagues to discuss any questions or comments you may have on the attached document • Our goal is to arrive at a mutually acceptable work plan so that we can be confident that the field work fully meets the needs of MNR and EC	May 5/06	• Mike, meeting will be held prior to circulation, so I will forward this to you • Rob, I am forwarding you to Mike directly • I would like to confirm that this meeting pertains to the provincial, rather than federal, EA process
To	Cathy Hainsworth / Michael Shaw	Senior Program Officer	e-mail	May 5/05	• Recognizing that the federal EA process has not been fully engaged, we are hoping to continue the dialogue with EC and build upon the comments Mike provided In the letter of Sept 15, 2005. • Given the timing requirements for some of the fieldwork we would appreciate any feedback that EC could provide to us with respect to the type of information that would be expected by that Department		

To / From	Name	Title	Source of Correspondence	Date	Content	Response Date	Response
From	Cathy Hainsworth	Senior Program Officer	e-mail	May 31/06	• Following the circulation of the project information provided for the proposed Island Falls Hydroelectric project, the following responses were received: • Transport Canada is likely to require an EA of this project under section 5(1)(d) of the Act. An NWP officer is expected to visit the site in early june to confirm whether a permit is likely to be required under the NWPA • Fisheries and Oceans Canada is likely to require an EA of this project under section 5(1)(d) of the Act • CTA may require an EA of this project under section 5(1)(d) of the Act, if an order is required under the Canadian Transportation Act • NRCan, EC and Health Canada are not likely to require an EA • INAC is not likely to require an EA • Currently trying to set up a meeting with the fed EA dept with an EA interested in the project to discuss the EA process and next steps		
CC To	Cathy Hainsworth	Senior Program Officer	e-mail	June 19/06	• as requested in your e-mail, have attached EC's comments and recommendations on proposed Terrestrial Field Program		
CC To	Cathy Hainsworth	Senior Program Officer	e-mail	June23/06	• EC's Bird Survey Plan for Geotechnical investigation associated with subject project	May 08/06 (from Michael Shaw) May 15/06 (from Rob N.)	• EC has previously provided a letter that included issues that we would like to see addressed in the assessment of the project based on the dept mandates identified in our letter and its appendix • Trust that you will engage the appropriate qualified professionals within Stantec, or elsewhere, to design and implement appropriate field programs to collect any required data on the natural environment for proper evaluation of potential project impacts • If you currently have a detailed field survey proposal for this project that was developed by such professionals, please forward for our review • After we have had opportunity to review, we would be pleased to discuss the matter with you • I've included the terrestrial field sampling program that was attached to my original e-mail • Program was developed to address comments made in EC sept 15/06 letter • Our aquatic field sampling program was developed through an iterative process with MNR and the DFO • A review of terrestrial program by EC would be appreciated

2.2 ENVIRONMENT CANADA

To / From	Name	Title	Source of Correspondence	Date	Content	Response Date	Response
From	EC		Letter	Sept 15/05	• Response to letter dated August 2/05 requesting comments from EC on the Island falls Hydroelectric Project, Mattagami River, Ontario – Notice of Commencement of an Environmental Review Proponent: Yellow Falls Limited Partnership and Carlex Corporation Inc.		
To	Cathy Hainsworth / Michael Shaw	Senior Program Officer/ Environmental Assessment Officer	e-mail	May 5/05	• Recognizing that the federal EA process has not been fully engaged, we are hoping to continue the dialogue with EC and build upon the comments Mike provided In the letter of Sept 15, 2005. • Given the timing requirements for some of the fieldwork we would appreciate any feedback that EC could provide to us with respect to the type of information that would be expected by that Department	May 8/06	• EC has previously provided a letter that included issues that we would like to see addressed in the assessment of the project based on the dept mandates identified in our letter and its appendix • Trust that you will engage the appropriate qualified professionals within Stantec, or elsewhere, to design and implement appropriate field programs to collect any required data on the natural environment for proper evaluation of potential project impacts • If you currently have a detailed field survey proposal for this project that was developed by such professionals, please forward for our review • After we have had opportunity to review, we would be pleased to discuss the matter with you

To / From	Name	Title	Source of Correspondence	Date	Content	Response Date	Response
To	Michael Shaw	Environmental Assessment Officer	e-mail	May 15/06	• I've included the terrestrial field sampling program that was attached to my original e-mail • Program was developed to address comments made in EC sept 15/06 letter • Our aquatic field sampling program was developed through an iterative process with MNR and the DFO • A review of terrestrial program by EC would be appreciated	May 17/07	• Thanks for the reply and report • We didn't have this report • I have a CD previously from Yellow Falls Power LP that included the AIR package and Appendix A that included some very general info on Environmental Field investigations • Passed on the report to EC's CWS for their comments
From	Michael Shaw	Environmental Assessment Officer	e-mail	June 19/06	• As requested, I have attached EC's comments and recommendations on the proposed Terrestrial Field Program by Stantec		
To	Lyle Friesen		Letter	June 19/06	Pre-Clearing Breeding Bird Survey for Geotechnical Access Trails: Island Falls Hydroelectric project		
From	Michael Shaw	Environmental Assessment Officer	e-mail	June 23/06	• Provided EC's comments on the Bird Survey Plan for Geotechnical Investigation		

2.3 NATURAL RESOURCES CANADA

To / From	Name	Title	Source of Correspondence	Date	Content	Response Date	Response
From	Florian Laberge	Director Renewable and Electrical Energy Division	Letter	undated	• Thank you for letter dated August 2, 2005 concerning commencement of ER for Island Falls Hydroelectric Project • NRCan is not a regulator of hydroelectric projects, unless your project involves explosives • Explosives Act prohibits creation, sale, storage, possession, and alteration of explosives without the necessary license, permit or certificate obtained from the MNR • If your project requires a license, the Explosives Regulatory Division will need to conduct an EA • NRCan is often involved in Eas as a federal expert • We are often contacted by the DFO to provide expert advice, especially in the realm of geological implications and questions • In regards to further information on the Act and other federal regulatory requirements, including available guidelines and contact information, consult our Hydro and Transmission Regulatory website at: http://www.canren.gc.ca/hydro/index.asp • I also recommend that you contact the regional offices of the DFO and CEAA; contact information can be found at the website above • Attached to letter: Questions from NRCan with respect to explosive for Project		

2.4 TRANSPORT CANADA

To / From	Name	Title	Source of Correspondence	Date	Content	Response Date	Response
From	Andrea McDowell	Environmental Officer	Fax	Sept 14/05	• Thank you for letter regarding Island Falls Hydroelectric project • We have reviewed the information and note that TC is responsible for the administration of the Navigable Waters Protection Act, which prohibits the construction or placement of any 'works' in navigable waters without first obtaining approval • If any of the related project elements or activities may cross or affect a potentially navigable waterway, you are requested to prepare and submit an application in accordance with the requirements as outlined in the attached Application Guide. Any questions about the NWPA application process should be directed to Rick Thomas, NWP Officer, at (705) 774-9095 • Note that certain approvals under the navigable waters protection act or railway safety act trigger the requirement for a federal environmental assessment under the Canadian Environmental Assessment Act • You may therefore wish to consider incorporating CEAA requirements into your provincial environmental assessment • Attached: Navigable Waters protection Act, Application guide checklist		

To / From	Name	Title	Source of Correspondence	Date	Content	Response Date	Response
From	Rick Thomas	NWP Officer	Letter	November 7/07	• reference is made to your letter of August 2, 2005 regarding Island Falls Hydroelectric Project, Mattagami River, Geographic Township of Bradburn, District of Cochrane, Province of Ontario • Transport Canada is responsible for administering the Navigable waters protection act. The information has been reviewed and TC has the following comments: • Mattagami river is a navigable waterway • Dams are named works under the navigable waters projection act and the above noted dam will require approval under section 5(1) of the NWPA • Section 5(1) of the NWPA is a trigger under CEAA • When the plans for the dam have been finalized, please submit 6 copies for approval under the navigable waters protection act • The plans should include: general arrangement cross sections, operational plans, warning signs, safety booms, location of portages after and during construction		
To	Linda Hoffman	Regional Director	Letter	April 28/06	• As an initial step in the CEAA process, YFP has prepared a project description for the island falls hydroelectric project • For your information, please find enclosed one hard copy of the project description document • YFP is providing the project description as a means of keeping you informed about key activities in the project and to continue dialogue among federal departments interested in the project • Feel free to circulate the enclosed material among federal departments • Please do not hesitate to contact me directly if you have any questions or comments about the information included in the Project Description or the ongoing work related to preparation of the environmental assessment for this project		
To	Canada Gazette Directorate		Fax	April 19/07	• sent two notices for publication in the Gazette Directorate, each notice in French and English • Notice #1: Navigable Waters Protection Act • Notice #2		
From	Rick Thomas	NWP Officer	Letter	June 18, 2008	• as a result of the 3 km relocation 3 km upstream, it will be necessary to re-advertise the project pursuant to the Navigable Waters Protection Act • Submit 6 copies of the new plans including the portage route, details of the dam and generating station, location of safety booms and placement of signage.		

2.5 DEPARTMENT OF FISHERIES AND OCEANS CANADA

To / From	Name	Title	Source of Correspondence	Date	Content	Response Date	Response
To	Connie Smith		e-mail	Feb 24/06	• As a follow-up to my earlier e-mail regarding Island Falls, I thought an update on where we are at with the field sampling program would be useful • Making final revisions to the document and expect to e-mail it to you on Monday		
To	Connie Smith		e-mail	Feb 28/06	• Please find attached our proposed aquatic sampling program for the island fall project. • We have developed this program based on our field work conducted to-date on the Mattagami River, feedback from the Feb 14/06 conference call, and our experience with other programs of this type • As several of the study components will take place throughout 2006, we have indicated the season9s0 in which we intend to conduct the work – for example, we are planning some winter water quality sampling in nearby run-of-the-river headpond areas • We would like to arrange a conference call with you and your colleagues to discuss any questions or comments you may have on the attached document • Our goal is to arrive at a mutually acceptable work plan so that we can be confident that the field work fully meets the needs of MNR and DFO • I propose mach 10 at 10:00am for the conference call, let me know if this works	March 9/06	• Next week would work better, anytime but the afternoon of the 14th
To	Connie Smith		e-mail	March 10/06	• Looks like the best time for the conference call is March 14/06 at 10:30am • Please contact our office if you have any problems dialing into the conference centre		
To	Connie Smith		e-mail	March 13/06	• we are planning to re-schedule the conference call to Thursday morning at 10:30. I'm waiting to hear back on availability of one more person before I can confirm • just wanted to give you heads up		
To	Connie Smith		e-mail	April 13/06	• please find attached draft notes from our conference call on March 16/06, please let me know if you have any comment • I have also attached the revised aquatic field sampling program based on feedback we received during the conference call • We believe that we have a comprehensive field sampling program designed to address fisheries work required for this project • If you do have remaining comments, please forward them to me so that we can integrate them into the work • Field season is nearly upon us and our fisheries biologists and technicians are ready for a busy field season on the Mattagami •		

To / From	Name	Title	Source of Correspondence	Date	Content	Response Date	Response
To	Connie Smith		e-mail	April 13/06	• please find attached map to accompany the revised Aquatic Field Sampling Program • intent of this map is to help readers visualize the Evaluation Areas described in the Sampling Program		
To	Connie Smith		e-mail	July 19/06	• I've got the last of the info you need in order to let me know how we need to proceed with the geotechnical investigations for the Island Falls project • Attached are GoogleEarth air photos, as well as short memo that our client prepared for submission to MNR for the work permit • It outlines their general intentions regarding the installation of a temporary access road. • MNR is expected to make decision this Friday, and we would greatly appreciate having interim decision about the feasibility of the plans as proposed, even if the appropriate LOAs or Authorizations haven't been completeted • If you have nay questions, call me		
From	DFO		Letter	July 26/06	• authorization required under subsection 35(2) of the Fisheries Act		
From	Scott Hossie		Fax of letter from DFO	July 30/06	• DFO letter outlines specific procedures to be implemented during works		

2.6 INDIAN AND NORTHERN AFFAIRS CANADA

To / From	Name	Title	Source of Correspondence	Date	Content	Response Date	Response

To	Susan Winger	Litigation Management and Resolution Branch	Letter	June 27/06	• Notice of Commencement	July 18/06 From: Sean Darcy	• We have reviewed current litigation under responsibility of the Litigation Management and Resolution Branch, and can advise that our inventory does include litigation that involves this property
							  • Chief John Fletcher, Jacqueline Fletcher and Roy Gideon on their own behalf and behalf of all memebers of the Missanabie Cree First Nation
							  • Mushkegowuk Council, Attawapiskat First Nations, Chapleau Cree First Nations, Fort Albany First Nations, Kashechewan First Nations, Missanabie Cree First Nations, moose Cree First Nation, New Post First Nation
							• unable to comment with respect to possible effect of these claims as the cases have not yet been decided and any statement regarding the outcome of the litigation would be speculative at this point

To	Maryanne Pearce	Senior claims analyst	Letter	June 15/07	• Request agency provide comments, or coordinate comments regarding land claims present in the island Falls Hydroelectric Project Study Area	June 23/06	• This letter is in response to your request for information dated June 15/06. you inquired as to whether there were any First Nation land claims that would have an impact on the above noted project • We have conducted a search and determined that no specific claims have been submitted in the area of interest
To	David Millette		Phone call	Feb 2/07	• Left msg stating that I was calling to inquire about the letters of confirmation regarding land claim issues within the Island Falls Study area		
From	Cheryl Forester		Phone call	Feb 2/07	• CF retuned phone call for David Millette • Said that original letter dated, June 15/06 to INAC comp claims may have gotten misplaced and I should fax the letter to the Attention of Robin Aitken		
To	Robin Aitken		Fax	Feb 2/07	• Original letter to INAC dated June 15/06		
To	Robin Aitken		Phone call	Feb 12/07	• Left msg inquiring if he received the fax I sent on feb 2/07 regarding land claims issues within the Island Falls Study Area		
From	Cheryl Forester		Phone call	Feb 19/07	• Called for Robin Aitken - Said he had been away the previous week, and when he returns this week, he will send the letter to Stantec		
From	Robin Aitken		Letter	Feb 23/07	• Algonquins of Ontario are currently negotiating a comprehensive land claim with the governments of Canada and Ontario - land claim does not extend into the area in question • We are not aware of any other existing claims to aboriginal rights in the area at this time • We cannot assure you that there will never be a comprehensive land claim by any group for the lands in question		

To / From	Name	Title	Source of Correspondence	Date	Content	Response Date	Response
From	Daniel Johnson	Environmental Officer	Letter	27 Nov 2007	• INAC is not likely to require an environmental assessment under s. 5(1) of the CEA Act and will not be a responsible authority. Additionally, INAC will not be an expert federal authority and further involvement is not necessary. • However, it is very important for you to contact all potentially interested F N communities directly. It has been noted from your letter that the CNSC recognizes that there are a number of FN who are interested in the design and results of the program and plan to invite such FN to participate in the review • To assist with identifying FN and other Aboriginal groups within the vicinity of a specific proposed project, INAC Ontario Region – Environment can provide the following information sources: • Chiefs of Ontario Website, Natural Resources Canada produced provincial maps showing FN reserve lands, Natural Resources Canada's online Historical Indian Treaties map, search by place name at the Canadian Geographical Names database, the Métis Nation of Ontario, Ontario Federation of Indian Friendship Centres website.		
From	Daniel Johnson	Environmental Officer	Letter	11 April 2008	• Informed Project team about changes to INACs environmental assessment and federal coordination standards		
From	Daniel Johnson	Environmental Officer	Letter	05 May 2008	• INAC will not be providing a review of the proposed project, however, it is important to contact all potentially interested First Nations communities directly to invite them to participate in this review.		

3.0 Provincial Comments

3.1 MINISTRY OF THE ENVIRONMENT

To / From	Name	Title	Source of Correspondence	Date	Content	Response Date	Response
From	Jason Innis	Environmental Planner/ EA coordinator	Letter	August 12/05	• Thank you for letter dated August 2/05, regarding notice of commencement of an Environmental review for the proposed 20-Mega-Watt Island Falls Hydroelectric Project on the Mattagami River • Projects of this type require approval under the EAA • To obtain the authority for the project to proceed, YFP must plan for the project in accordance with Ontario Regulation 116/01 electricity projects • In accordance with the Guide, a Screening Report must be prepared for Category B projects which have potential environmental effects that can likely be mitigated • Section B.2. of the Guide describes the process at the Screening Stage, and outlines the information that must be contained in the Screening Report. Under the ESP, a proponent may choose to or be required to proceed to the environmental review stage where it is determined that there are potentially significant negative environmental effects or public issues that warrant more detailed study and assessment than is required under the Screening stage • Section B. . of the guide describes the process at the environmental review stage and outlines the information that must be contained in the ERR • A notice of completion is required to be issued once the Screening Report is finalized • The Report must be made available for public and agency review for a period of at least 30 calendar days, during which documentation, including technical reports and other supporting information may be reviewed and comments/input submitted to YFP • When concerns are raised during public/agency comment period, concerned party should be consulted in an attempt to resolve the concerns • Discussions to this end should proceed for an appropriate period of time, even if this means the 30-day review period is exceeded • Contact them if you require further information		
To	Jason Innis	Environmental Planner/ EA coordinator	Letter	April 28/06	• Project Description		

3.2 MINISTRY OF TRANSPORTATION

To / From	Name	Title	Source of Correspondence	Date	Content	Response Date	Response
From	Jane Haddow	Environmental Planner	Letter	Sept 2/05	• MTO has reviewed the notice of commencement for island falls • Project location map shows that a portion of highway 11, near smooth rock falls is within your study area • We would therefore like to continue to stay on your mailing list and wish to remain informed about the project's progress • Ministry would be interested in issues such as: • Hydro-geological study • Possible changes to flow rates at the Mattagami river bridge • Any plans for emergency release of water and possible affects to the bridge and highway		\
To	Chris Chenier		Letter	Oct 5/05	• island falls background literature materials		
From	Heather Conroy	Environmental Planner	Letter	Feb 1/2006	• thank you for recent invitation to public open house • MTO would have concerns in respect to any changes in water levels or velocity, as any such change may increase erosion of approach fills and scour bridge substructure • An increase in water levels could affect navigation clearance and adequate clearance for passage of debris under the bridge • Please contact Paul Marleau, Regional Development Review Coordinator directly with future correspondence. The ministry will need to review any requests for additional access to any provincial highway • The ministry also requests that maps indicating the upstream 'reservoir' limits be sent for our review • Please include on your distribution list Dennis Matte, Field Services Engineer		

To / From	Name	Title	Source of Correspondence	Date	Content	Response Date	Response
To	Paul Marleau	Regional development review coordinator	e-mail	March 15/06	• I've attached a few maps that show the preliminary headpond area and access route to the site • Thank you for distributing this material to Dennis Matte • Given the location of the project and the run-of-river design, no effects are expected to provincial road infrastructure • There are some improvements required to existing forestry 'roads' that will be needed as they will be used to access the site • The overhead transmission line is currently proposed to parallel the access road, crossing highway 11 at the access point for the existing red pine forestry road where it will connect with the existing hydro one 115 kV transmission line on the north side of highway 11 • Please direct any information and comments from MTO related to provincial highways and Local Roads Board infrastructure to me so that we can integrate them into the environmental assessment we are preparing for the project		
To	Paul Marleau	Regional development review coordinator	e-mail	March 17/06	• my original message bounced back to me • the file size was too large • I'll try it again as two separate messages		
From	Paul Marleau	Regional development review coordinator	e-mail	March 17/06	• a few preliminary thoughts • any increase to water elevation or velocity that may impact our downstream structures • 2. the intersection of highway 11 and red pine road – our Cochrane area office will review the intersection and will advise of any operational concerns		
To	Paul Marleau	Regional development review coordinator	e-mail	March 20/06	• the last map I've been trying to send you is too large for e-mail to handle • I'll drop a couple copies in courier for you • Last map shows headpond and expected areas of inundation		
To	Paul Marleau	Regional development review coordinator	Letter	March 20/06	• as requested by heather conroy, please find enclosed three copies of the headpond plan for the island falls hydroelectric project • this plan reflects current configuration of the project and could change as the project design advances		
From	Adam Kohlsmith	Transportation Technician	Letter	05 December 2007	• not anticipated that there would be any direct impact to the Ministry of Transportation facilities as a result of the Island Falls Hydroelectric Project • MTO does not have any additional concerns that have not already been stated in previous correspondence • Please refer to letter from Heather Conroy dated 01 Feb 2006, and emails from Paul Marleau dated 17 March 2006 and 30 March 2007.		

3.3 MINISTRY OF NATURAL RESOURCES

To / From	Name	Title	Source of Correspondence	Date	Content	Response Date	Response
From	Creston Biggar	Lands and Waters Supervisor	Letter	June 8, 1990	• In answer to your fax dated March 20/90, fax and letter of April 16/90, we extend the following comments: • Since the meeting of May 23rd, Ontario Hydro have been contacted, Doug Montgomery, Plant and Generation Manager with Ontario Hydro in Timmins advised that nothing to date was firm, but Ontario Hydro (Toronto) at his office's request, is doing a review on their four 25 cycle plants (Wawiaton, Sandy, Lower Sturgeon, and Abitibi Canyon) • Ontario Hydro's initial review indicates that the Abitibi Canyon site can stand along to supply the 25 cycle needs of area mines freeing up the other stations to convert to 60 cycle • The proposal would utilize the existing three units at Lower Sturgeon being changed to 60 cycle and installation of one or two fall frechettes or after major storms have filled the reservoir • This would be water that normally went through he floodgates • There would be little or no effect to the downstream run of the river plant • Feeder streams will have no restricted flows below Lower Sturgeon • Any decision cannot be expected for a year or two by Ontario Hydro. EA alternatives must be reviewed • Any construction probably would not occur prior to 1995 or later • Three existing turbines would only have top end changes • The penstock remains in place • The construction of the new peaking system would not stop up river flows • We acknowledge that throughout the fisheries studies contact was made several times to inform this office of progress and review the comments with Charles Hendry, District Biologist • The ministry appreciates the direct and honest way you do business and we are sure this type of communications can continue throughout the project • It is noted that the 'no net loss' policy is of great concern to you as a developer • We cannot accept the view new developers would unfairly be subject to correction of past developers that caused habitat losses • Continued: steps in the event that the project was responsible by DFO to compensate for loss of fisheries habitat		
			fax	July 25/05	• OMNR comments attached re: application information requirements		
			Fax	July 25/05	• OMNR comments attached re: application information requirements		

To / From	Name	Title	Source of Correspondence	Date	Content	Response Date	Response
To	Rick Calhoun	District Planner	Letter	August 8/05	• Notice of Commencement		
To	Jennifer Griffin Denis Clement	District Planner	e-mail	Feb 14/06	Getting ready to hold first open house for Island Falls Hydroelectric Project on March 7/06 During the notice of commencement period, Robin Stewart had assisted with the notice distribution to persons on the MNR's confidential stakeholder mailing list (e.g. trappers, land holders, etc) I believe there were about 30 – 40 such persons/groups What we had done was provide Robin with an electronic copy of the notice and then he saw to its distribution as the MNR did not want to provide us with a copy of the confidential mailing list I was hoping we could once again draw upon the MNR's capabilities to distribute the notice of open house to persons on its confidential mailing list Finally , if the MNR would find it suitable, we can provide you with a copy of the final draft for review and comment prior to sending to stakeholders, let me know		
To	Jennifer Griffin	District Planner	e-mail	Feb 15/06	I have attached notice of public open house that we would like to have assistance in distributing to the people on the MNR's stakeholder mailing list Let me know if you have any suggestions We will print the necessary number of copies and stuff them in stamped envelopes We would like to courier the required number of copies to you as soon as possible so that the recipients have as much notice of the open house as possible		
To	Jennifer Griffin	District Planner	e-mail	Feb 16/06	We've received confirmation of the location of the open house – the attached notice reflects this change		
To	Jennifer Griffin	District Planner	e-mail	Feb 17/06	• attached letter that we propose to include with the mail out to stakeholders on MNR's list		
From	Jennifer Griffin	District Planner	e-mail	Feb 17/06	• has reviewed cover letter, looks find to her		
To	Jennifer Griffin	District Planner	e-mail	Feb 21/06	Thank you for the work you and other MNR staff have put into getting these notices into the mail This makes it possible for us to include those stakeholders that otherwise may not have been identified or reached When we last spoke, you mentioned that MNR would have a representative present at the public open house to respond to any questions about the Waterpower Planning Guidelines and the Water Management Planning Guidelines Will you be attending???		
From	Jennifer Griffin	District Planner	e-mail	Feb 21/06	Just wanted to let you know we received your package and the mail out was completed		
To	Eric Prevost Connie Smith		e-mail	Feb 24/06	• As a follow-up to my earlier e-mail regarding Island Falls, I thought an update on where we are at with the field sampling program would be useful Making final revisions to the document and expect to e-mail it to you on Monday		
To	Eric Prevost Connie Smith		e-mail	Feb 28/06	• Please find attached our proposed aquatic sampling program for the island fall project. • We have developed this program based on our field work conducted to-date on the Mattagami River, feedback from the Feb 14/06 conference call, and our experience with other programs of this type • As several of the study components will take place throughout 2006, we have indicated the season9s0 in which we intend to conduct the work – for example, we are planning some winter water quality sampling in nearby run-of-the-river headpond areas • We would like to arrange a conference call with you and your colleagues to discuss any questions or comments you may have on the attached document • Our goal is to arrive at a mutually acceptable work plan so that we can be confident that the field work fully meets the needs of MNR and DFO • I propose mach 10 at 10:00am for the conference call, let me know if this works		
From	Eric Prevost		e-mail	March 2/06	• thanks for opportunity for meeting • only time I have is during week of 13th •		
To	Eric Prevost Cathy Smith	MNR DFO	e-mail	March 10/06	• Looks like the best time for the conference call is March 14/06 at 10:30am • Please contact our office if you have any problems dialing into the conference centre		
To	Eric Prevost Cathy Smith	MNR DFO	e-mail	March 13/06	• we are planning to re-schedule the conference call to Thursday morning at 10:30. I'm waiting to hear back on availability of one more person before I can confirm • just wanted to give you heads up		
To	Jennifer Griffin		Letter	March 14/2006	• as requested, please find the following materials related to the Island Falls Hydroelectric Project enclosed: DVD of the helicopter flight over the project area on the Mattagami River • CD-Rom of photos of the project site		

To / From	Name	Title	Source of Correspondence	Date	Content	Response Date	Response
From	Ed Tear	District Manager	Fax	April 6/06	• comments on amended Application Information Requirements Package – Island Falls proposed hydroelectric facility and next steps in environmental review process • summary of deficiencies and recommendations is included in the attached documentation. – this review does not exempt you from contacting other federal, provincial, or municipal governments or agencies to inquire about further authorizations and assessments • requesting that you proceed to the next step in the EA harmonization process which is the preparation of the integrated screening checklist • the Taykwa Tagamou Nation has expressed an interest in participating in an inter-ministerial meeting so that they can be informed of all regulatory aspects of the project • encourage you to contact Taykwa Tagamou Nation and other interested parties in the project to ascertain any concerns that they may have with the AIR document • I would also reiterate the importance of establishing a dialogue with OPG and Tembec Industries Inc. concerning the impacts of your proposal on their existing hydro operations and vice versa		
From	Denis Clement	Information Management Supervisor	Fax	April 7/06	• this letter acknowledges receipt of your information requirements memo of March 30/06 • as part of this review, staff identified the anticipated regulatory and permitting requirements that you will require from the Ministry of Natural Resources should all environmental assessment approvals be obtained • Through the review process, staff also indicated, where possible, a requirement to seek input from other agencies or individuals with a perceived interest in the project • We encourage you to contact these parties in advance to initiate discussions • Please be advised that this list may not be complete and it is your responsibility to ensure that all potentially affected government agencies, organizations, and individuals are notified of your proposal • Attached list of enclosures with April 7/06 letter to YFP LP, Anticipated MNR permitting requirements for the proposed island Falls hydroelectric development, Mattagami River		
To	Eric Prevost Cathy Smith	MNR DFO	e-mail	April 13/06	• for your review, please find attached the draft notes from our conference call on March 16/06 • let me know if you have any comments • I have also attached the revised aquatic field sampling program, based on the feedback we received during the conference call • We believe that we have a comprehensive field sampling program designed to address the fisheries work required for this project • If you have any remaining comments, please forward them to me so that we can integrate them into our work		
To	Eric Prevost Cathy Smith	MNR DFO	e-mail	April 17/06	• as promised in my e-mail of April 13, please find the attached map to accompany the revised Aquatic Field Sampling Program • intent of this map is to help readers visualize the evaluation areas described in the Sampling Program		•
To	Ed Tear Jennifer Griffin	District Manager District Planner	Letter	April 28/06	Project Description		
To	Jennifer Griffin	District Planner	e-mail	May 3/06	As mentioned in my voicemail, the conference call is listed below, please feel free to join if you have time		
To	Jennifer Griffin Cathy Hainsworth	MNR CEAA	e-mail	May 5/06	• Recognizing that the federal EA process has not been fully engaged, we are hoping to continue the dialogue with EC and build upon the comments Mike provided In the letter of Sept 15, 2005. Given the timing requirements for some of the fieldwork we would appreciate any feedback that EC could provide to us with respect to the type of information that would be expected by that Department		
From	Jennifer Griffin	District Planner	e-mail	May 15/06	• Could you submit your final aquatic habitat sampling plan to us • Eric Prevost indicated that he still only has a draft section • Taykwa Tagamou Nation would also like a copy of the final plan		
From	Jennifer Griffin	District Planner	e-mail	May 16/06	• Our staff are still completing review of document • You can expect comments within a week		
CC To	Jennifer Griffin	District Planner	e-mail	May 22/06	• Friends of the Mattagami River: concerns re: IF hydro project • Would like to meet concerning project • Would like to meet prior to Discovery Day • Invitation to event is also extended to all of you to come and meet with us at proposed site – see attachment		
From	Denis Clement	Information management supervisor	Letter	May 26/06	• Comments on Island Falls Draft Terrestrial Field Sampling Program		
From	Jennifer Griffin	District Planner	e-mail	May 29/06	• Please find enclosed our comments on the draft terrestrial sampling plan		
To	Eric Prevost		e-mail	May 3/06	• this is to confirm a conference call tomorrow afternoon (May 4, 2006) at 3:00pm to discuss geotechnical and geophysical work that will need to be performed for this project • in particular we will discuss the proposed work and possible timing for the activities to be conducted		•
To	Jennifer Griffin	District Planner	e-mail	May 03/06	As mentioned in my voicemail, the conference call info is listed below, please attend if you have time		

To / From	Name	Title	Source of Correspondence	Date	Content	Response Date	Response
To	Jennifer Griffin Cathy Hainsworth	District Planner DFO	e-mail	May 5/06	• Please find attached proposed terrestrial field sampling program for the Island Falls Hydroelectric Project for distribution to the relevant individuals within your organization • Cathy, we have previously received correspondence from M.A. Shaw at EC, however I have not circulated this to him directly in the event that you may want to circulate this to EC • We have developed this program based on comments received from MNR and EC, preliminary field reconnaissance, and our experience with other programs of this type • Would like to arranged a conference call with you and your colleagues to discuss any questions or comments you may have on the attached document Our goal is to arrive at a mutually acceptable work plan so that we can be confident that the field work fully meets the needs of MNR and EC		
From	Jennifer Griffin	District Planner	e-mail	July 4/06	• Further to discussion on Thurs concerning clarification request about use of term compensation in the comment on terrestrial field program • I have spoken with Eric Prevost, he clarified that comment should be changed to viable mitigation measures •		
To	Jennifer Griffin	District Planner	Letter	July 17/06	Please find enclosed 50 copies of the Island Falls Hydroelectric project newsletter Thank you for circulating it to individuals and groups on the MNR's stakeholder mailing list		
To	Jennifer Griffin	District Planner	Letter	July 18/07	• Please find enclosed an additional 8 copies of Island falls Hydroelectric Project Newsletter and 58 stamped envelopes • Thanks again for circulating this newsletter to individuals and groups on the MNR's stakeholder list		
From	Michael Cartan	District Manager	Letter	August 14/06	Comments on integrated screening checklist- island falls proposed hydroelectric facility Attached: Island Falls Hydroelectric Dam Proposal, MNR comments on integrated screening checklist		

3.4 MINISTRY OF NATURAL RESOURCES COMMENTS ON INTEGRATED SCREENING CHECKLIST

Comment	How Addressed	Location in EA Report
The mitigation/enhancement and monitoring discussion for each impact is absent from the screening documentation as required by the WPPG. These components are critical to the assessment of effects associated with the project and must be included in the project documentation (can be included in the next step of the process as part of the assessment of net effects).	Assessment of effects, mitigation/enhancement and monitoring will be included as part of the EA report	6.0
YFP should indicate that they have determined that additional environmental or public concern is anticipated with the project and that they are proceeding to the draft environmental review report stage without issuing a screening report	The rationale for proceeding to environmental review report stage is provided in the EA report	1.6.1
Suggest removing references to project being in a remote location due to the fact that it is only 16km south of Smooth Rock Falls, an established community and the widespread use of the area by different groups. Remoteness should not be a factor in assessing effects tied to things like public safety, contamination, etc.	References to remote location have been removed or not used in all Project documents	Throughout
Crown Land Use Atlas stipulates no aggregate development within the Mattagami River Area	MNR Land use policy has been noted in the EA report. No aggregate extraction will occur in the Mattagami River Area.	6.6.3 6.7.2 Appendix E1
Permits required for aggregate extraction under the Aggregate Resources Act	Permits required for aggregate extraction will be obtained before extraction proceeds. Permit requirements are noted in the EA report	1.6.5 6.6.3
Sedimentation: erosion from shorelines in headpond and fine sediment delivery from tributaries will potentially accumulate upstream of the Island Falls dam over timescales of years to decades – may cause reservoir/headpond infilling problems? (likely similar sedimentation rates at Lower Sturgeon GS?)	The potential for the Project to cause sedimentation and erosion is assessed in the EA report	6.1.2 6.1.3 6.2.2 6.2.3 6.2.4 6.2.5 6.2.7
Cause significant sedimentation, soil erosion, or shoreline, or riverbank erosion on or off site: potential for continuous shoreline erosions due to headpond fluctuations over time	The potential for the Project to cause sedimentation and erosion is assessed in the EA report	6.4.1 6.5.3 6.5.5
Should indicate the impact of sedimentation and erosion upstream of the facility on private lands (Abitibi freehold)	The potential for the Project to cause sedimentation and erosion is assessed in the EA report	6.4.1 6.5.3 6.5.5
Nothing on potential impact of erosion and sedimentation on recreational users and LUP holders	The potential for sedimentation and erosion to affect river users is assessed in the EA report	6.7.4
Flood history extreme flow events – also worth considering extreme low flow events, and potential impacts to flows downstream of the dam and operation of the facility	The potential effects of the project on extreme flow events are assessed in the EA report	6.2.3 6.2.1 6.2.2 Appendix F1

Comment	How Addressed	Location in EA Report
For clarification, it would be beneficial if the yes or no could be clarified as to whether a benefit or concern is being identified	The IRM Screening Checklist has been revised to clarify whether potential effects are positive or negative	3.0
There is a general deficiency within the checklist to identify the effects of the proposed development on the downstream section of the river. All potential impacts, including those which may have an impact downstream of the proposed development need to be equally considered and clearly articulated.	The IRM Screening Checklist has been revised to further describe potential downstream effects of the proposed Project	3.0
There is likely an increased risk of erosion down stream of the facility due to the configuration of proposed structure. Please identify potential downstream impacts if possible.	Downstream erosion due to the configuration of the facility is addressed in the EA report	6.2.2
"Power generation fluctuates with the flow of the river" In discussion with other operators of run of the river facilities we have learned that in fact there is an ability to generate different amounts of power using the same flows of water by manipulating pitch and other factors of turbines during operation. This statement requires further clarification.	Power generation will fluctuate with river flow since the Project will be operated in such a manner that inflow will equal outflow under normal operating conditions. River flow under operating conditions is further described in the EA report.	6.2.2
Please further clarify the conditions and expected effects during occurrences of water level fluctuations and what environmental and social impacts may occur as a result	Water level fluctuations will be of limited extent in the headpond. Downstream fluctuations will be dependant on inflow. Water fluctuations and resulting potential environmental and social effects are further described in the EA report	6.2.1 6.2.2
Please further describe what extreme flow events may be	High flow events up to maximum probable flood (MPF) and historical recorded low flow events were considered in the EA report.	6.2.1 6.2.2 6.2.3
Please identify any impacts to downstream flow rates if applicable	Downstream flow rates will equal inflow under most conditions.	6.2.2
If there are no anticipated effects on ground water quality the "no" should be checked off in the benefits and concern section.	The IRM Screening Checklist has been updated to reflect this recommendation	3.0
Please further clarify the reference to the creation of peaking plants and the creation of CO_2 emissions.	The IRM Screening Checklist has been updated to clarify these statements	3.0
It is unclear how a terrestrial field investigation will identify any rare, threatened or endangered aquatic vegetation. Please clarify.	Rigorous terrestrial field studies were undertaken by qualified biologist. Field methodology is available in an Appendix to the EA report	6.5 Appendix G
Please identify potential effects to fish species (not just habitat affects)	Potential effects to fish are addressed in the EA report and the Aquatic Assessment	6.5 Appendix G
In general there are very few structures, natural or man made, that in some way do not have an effect on upstream or downstream movement. Please further describe how the proposed development will have no (meaning at no possibility in time) affect on the downstream passage of fish	The Project may reduce the ability for fish to travel downstream. This issue is further discussed in the EA report and the Aquatic Assessment.	6.5 Appendix G
If there are no anticipated effects, the "No" section should be checked off (Section 1.1.4 and 1.1.7 of the IRM Screening Checklist)	The IRM Screening Checklist has been updated to reflect this recommendation	3.0
The construction of a public boat launch area upstream of the facility was not previously identified. Please further discuss plans for public access to the launch and around the development.	A boat launch will facilitate access to the Mattagami River upstream of the Project. Plans for a boat launch are discussed in the EA report	2.2.2 6.4.2 6.4.3 6.7.4 6.10.2
Island Falls is significant interest to recreational fishers. Please identify the potential effects of access restrictions and construction activities to recreational fishing at the site.	Access to the Project site will be improved during operation. Construction activities may limit access for a short time period	6.6.5 6.7.4 6.8.5 6.9.2 6.9.3 6.10.2
There is no mention of the impact of the dam on bed load. Bed load materials will accumulate above the dam, causing waters downstream to become hungry for new bed materials to replace those lost through the normal movement of bed load. This means that spawning substrates will not be replaced below the dam. While scouring of substrates is mentioned within the tail race area as a function of tailrace velocities (3.14) the dam as a barrier to the normal downstream movement of bed load is a completely different issues. This should be considered as a significant negative environmental impact because it is total disruption of an ecological process.	The potential effect of the Project on downstream transport of bed materials is addressed in the EA report. The Integrated Screening Checklist has been updated to include this potential effect.	3.0 6.2.2
Saying that "Run-of-river hydroelectric facilities do not manipulate river flows during operation" may be very misleading. Some definitions of run of river include storage for up to 48 hours. The term "run of river" has been used to suggest minimal disturbances to river flow during planning only; to be adjusted when negotiating approvals to include modified peaking operations to take advantage of higher prices for on peak power. To understand the effect of the operation on sedimentation, for example, there needs to be a description of proposed changes in flows and levels other than saying "run of river operation" in order to characterize likely impacts for screening. If inflows are to equal outflows at all times other than for the initial filling of the impoundment then it should be stated that way.	Inflows will equal outflows under most conditions. The Integrated Screening Checklist has been updated to clarify operational flow characteristics. Potential effects are further discussed in the EA Report.	3.0 6.2.1 6.2.2
Need to describe the extent of water level fluctuations during low flows to understand the impact. If the plan is to store water during low flows and release at opportunistic times, this could have a dramatic effect on fluctuations above and below the impoundment versus inflow equals outflow during low flows would be less dramatic.	Water level fluctuations during low flow events are described in the EA Report.	6.2.1 Appendix F1
At what flows will the head pond not affect the fish sanctuary. The upstream influence of the headpond is very much dependent on the flow. There needs to be assurances that the head pond will not influence flows in the fish sanctuary during high flows.	The headpond will not affect the fish sanctuary under any flow conditions. Potential effects of the Project are discussed in the EA Report.	6.2.1 6.5.6
The evaluation says ""Fish habitat conditions will be altered" but it doesn't say what species will be harmfully altered. There is no mention of the net effect on sturgeon, a species which is being considered as a species of concern by the federal government.	A rigorous Aquatic Assessment developed with input from the MNR and DFO was undertaken as part the EA process. A detailed discussion of the potential effects of the project on fish species, including lake sturgeon, is available in the Aquatic Assessment	6.5 Appendix G

Comment	How Addressed	Location in EA Report
Limitations to access associated with the dam, fencing, and gates to protect the infrastructure from vandalism and public safety will affect the accessibility to crown land opportunities, fishing, hunting, trapping, and boating.	Although the actual Project site will be inaccessible due to public safety concerns, other aspects of the Project will improve accessibility. Potential effects of the Project on Crown land access are further discussed in the EA report.	6.7.4 6.9.2 6.9.3
Construction of the dam and log booms will prevent the movement of downed woody debris downstream. It is expected that the loss of the addition of large downed woody debris will result in a deterioration of fish habitat cover and food production downstream. Cycling of large wood debris in riverine ecosystems occurs over centuries so the impacts are expected to be dramatic only over long periods of time.	The IRM Screening Checklist has been revised to include this potential effect. Downstream transport of large woody debris is discussed in the EA report.	6.2.2 6.5.1
Request that you assess effects on residential, commercial, or industrial land uses within 1 km of the footprint of the site (including headpond and tailrace areas)	Potential effects on residential, commercial, or industrial land uses have been assessed within the 2,000 km^2 Study Area. Particular attention has been paid to potential effects on land users within 1 km of the proposed Project.	6.7
Would like to see an overall map showing: study area, area of potential impact e.g. flooding, dam site, etc. What does "vicinity of the project" mean vs. study area vs. area of impact?	The Study Area has been clarified in the IRM Screening Checklist and throughout the EA Report. Typically, Study Area refers to a large area in which background data is collected, while the "vicinity of the project" refers to the project footprint, while "area of impact" refers to the expected geographical location in which a Project-related effect may occur.	Figure A-1 3.0 Throughout Appendix E1, E2
Will there be no impacts beyond the headpond ? (Refers to Section 2.3.3 of the IRM Checklist)	Ground cover vegetation will also be affected in the vicinity of the proposed access road, transmission line, and aggregate extraction activities. The IRM Screening Checklist has been updated to reflect this comment. Potential effects on groundcover are discussed in the EA Report	3.0 6.4.1
Is there a need/requirement for any wetland evaluations to be done?	There is limited potential for the Project to affect wetlands after mitigation and protection measures have been implemented. No requirement for wetland evaluations is foreseen.	6.4.2
Should expand to include MNR planning, policies, etc e.g. Crown Land Use Atlas (Refers to Land-Use Section of the	MNR planning and polices such as the Crown Land Use Atlas are discussed in the EA report as they relate to the Project. MNR plans and policies will be adhered to throughout the Project lifecycle. The IRM Checklist has been updated to reflect Crown Land Use policies to the extent they apply to screening criteria in this section of the checklist.	6.7.2 6.11 3.0 Appendix F1, F2
Includes general public? (Refers to Section 1.1.9 of the IRM Checklist)	The IRM Screening Checklist has been updated to reflect this comment. Potential effects on land and river users in the Study Area, including the general public, are addressed in the EA report.	3.0 6.7
What does "general vicinity of study area" really mean? Previous comment re: area of study, area of impact applies.	Please see response above	Figure A-1 3.0 Throughout
Again, very general re: in the vicinity of the project. Need to establish what this means, what are the potential impacts, etc.	Please see response above	Figure A-1 3.0 Throughout
May not be a "formal" canoe route however is the route utilized? What is the existing access, portage around existing rapids, potential impacts on these, effects on public's ability to navigate river etc.	Effects on canoe route and navigation are addressed in the EA Report	6.7.4 6.8.5 6.9.3
What about access to river below dam?	Access to the river below the proposed Project will still be possible via Smooth Rock Falls and other downstream access points. Access is further discussed in the EA Report	6.7.4
Require more specific information in order to determine impacts (Section 1.2.9 of Screening Checklist)	Potential effects of the Project on trails and trail use is further discussed in the EA Report	6.7.4 6.8.5 6.9.3
Potential for impacts during construction (Section 1.3.2 of Screening Checklist)	Power line installation has the potential to affect vegetation and Crown land use. Potential effects resulting from power line installation will be discussed in the EA Report.	6.4.1 6.7.2
Refer to above comment re: vicinity of project (Section 6.2.3 of Screening Checklist)	Please see response above	Figure A-1 3.0 Throughout
Is the site a "known recreational area"?	Island falls is used by local residents for hunting, fishing, camping, and other forms of outdoor recreation	6.7.4 Appendix F1
Additional information – conflicting statements (Section 1.4.7 of Screening Checklist)	Comment requires clarification	
Are there existing facilities available to accept waste generated from site especially the construction waste?	Waste generation and management is addressed in the EA report.	6.7.6 Appendix F1
Vandalism may result in an environmental impact, not sure why this bullet is included? Perhaps reword or simply state "unknown." There are a number of studies required to be done, information gaps to be filled, etc. and the concerns are unknown at this time.	This statement has been reworded in the Integrated Screening Checklist	3.0
More detail required on impact of low flows and change in river depth downstream of facility	Detail regarding lows flows and changes in river depth is available in the EA report	6.2.2
CO_2 emissions during construction phase? Impact should be identified.	Limited CO_2 emissions will occur during construction. Potential effects and mitigation measures are identified in the EA report.	6.3.2
Change forest licence area to sustainable forest licence area; name should be changed to Tembec Industries Inc.	Changes have been made in the Integrated Screening Checklist and are reflected in the EA report.	3.0

Comment	How Addressed	Location in EA Report
Need to elaborate on statement about no impact on shoreline upstream and downstream of the facility. What about impact due to removal of debris? Change of flow characteristics?	Potential effects on shorelines are addressed in the EA report.	6.2.2
More detailed explanation of impacts on fire hazards is required.	Potential fire hazards and mitigation measures are discussed in the EA Report	6.4.5
-descriptions of effects in each section differ? Statement concerning Ontario Living Legacy (3rd bullet) is inaccurate. The addition to Greenwater Provincial Park and the 4 conservation reserves have been regulated. Need description of potential impact on these protected areas.	A description of protected areas and potential effects can be found in the EA Report. The Project is not expected to have an effect on protected areas.	6.4.6
No discussion of impacts on aggregates. Crown Land Use Atlas stipulates no aggregate development within the Mattagami River Area.	Project effects on aggregate resources are discussed in the EA Report. No aggregate extraction will occur in the Mattagami River Area.	6.6.3 6.7.2 Appendix F1
Negative impacts on access points upstream and downstream?	Potential Project-related effects on access points are addressed in the EA Report. Access to the Project site is expected to be improved during operation.	6.7.4 6.9.2 6.9.3
Site is situated within Mattagami River Area (Crown Land Use Atlas) – primary use is designated for recreation with potential for intensive use such as cottaging. Should discuss effects of dam and ancillary works on loss of cottaging opportunities.	As discussed in the EA Report, the Project may have a beneficial effect on cottaging opportunities upstream of the dam site.	6.7.1 6.7.4
Site is situated within the Mattagami River Area (Crown Land Use Atlas) – primary use is designated for recreation with potential for extensive uses such as canoeing. River is identified as a Provincial Canoe Route. Need to expand effects of dam and ancillary works on loss of canoeing opportunities (economic impact, social impacts).	During operation, the Project is expected to improve canoe access to the inundated stretch of the Mattagami River. More detail is available in the EA Report.	6.7.4 6.8.5 6.9.3
Need to document consultation with snowmobile club and mitigation measures to address negative impact on ice bridges.	Documentation of consultation with the Artic Riders Snowmobile Club is located in the EA Report	Appendix E
Need to articulate impacts on Crown land activities such as Crown land camping, berry gathering, disposition of lands for recreation and commercial camps, baitfish, bear management areas, etc.	The potential effects of the Project on Crown Land activities are addressed in the EA Report.	6.6.4 6.7.4 6.7.2
Discussion of impacts on railway line and transmission line having to cross the existing railway line???	A discussion of potential effects on transmission line crossing of the rail line can be found in the EA Report.	6.7.5
May want to revise statement to reflect the northern environmental and the concerns raised by local residents of Smooth Rock Falls concerning the impact on their community character as a result of loss of prominent recreation area	A discussion of potential effects to community character is located in the EA Report.	6.9.2
Impacts during construction phase? Local services in Smooth Rock Falls	The Integrated Screening Checklist has been updated to reflect this comment. The impact on additional labour on local services in Smooth Rock Falls is addressed in the EA Report.	6.8.3 6.8.4
Not sure if this is the right place, but there is no discussion on the effects of the dam on the upstream and downstream hydro plants. Effects on their dam safety rating for example (potential economic costs to those producers to upgrade their facilities)	Potential effects of the Project on upstream and downstream hydroelectric generating stations are addressed in the EA Report.	6.2.1 6.8.4
Include effects on non-aboriginal traditional uses (trapping etc.)	Potential effects of the Project on non-aboriginal land use are addressed in the EA Report.	6.10.2
May want to refer to Ministry of Culture guidelines on protection of cultural heritage to expand on impacts section.	The Ministry of Culture was consulted as part of the EA process. In addition, a Stage III Archaeological Assessment was undertaken to assess potential Project effects on heritage resources. Potential effects of the Project on heritage resources are outlined in the EA Report and discussed in detail in the Archaeological Assessment, attached as an appendix.	6.9.1 Appendix F1, I
May want to discuss effects due to the inundation of the remaining fast-water stretches of river on this section of the Mattagami River (locally significant).	Potential effects of inundation of fast-water stretches of the Mattagami River on land users are discussed in the EA Report.	6.2.1 6.5 6.7.4 6.9.2 6.9.3
2nd bullet should be changed to say forest resource licenses, land use permits, private recreation camps, outpost camps, and trap cabins (Section 1.4.2 of Screening Checklist)	The Integrated Screening Checklist has been updated to reflect this comment.	
Objectives for the fisheries/habitat background data collection and monitoring must be clearly defined. Objectives should describe relevant biological parameters and how they will be utilized to achieve specific objectives. See Sections 2.2. and 5.0 of Appendix M – Environmental Concerns for Fisheries and Wildlife. The 1990 AIR results do not lend themselves to detecting dam impacts, assessing the accuracy of predicted impacts, or evaluating the effectiveness of proposed mitigation by objective and statistically valid means. The 2002 AIR is also not arranged in a manner conducive for these purposes.	A rigorous Aquatic Assessment was undertaken in 2006/2007 to determine potential Project-related effects on fish communities in the affected stretch of the Mattagami River. Sampling objectives and field methodology were developed with input from the MNR and DFO.	Appendix G
Field work should be expanded spatially and temporally. Study should include periods of different flow/water level characteristics over at least two open water seasons. It should cover periods corresponding to pre, peak, and post spawning over a variety of flow conditions. It should also include tributary systems that will be impacted by water level changes. These areas may serve critical ecosystem function and changes may result in significant compensation/mitigation issues. Original AIR sampling efforts were limited in time and space. Barrier evaluations were based on weak data.	A rigorous Aquatic Assessment was undertaken in 2006/2007 to determine potential Project-related effects on fish communities in the affected stretch of the Mattagami River. Sampling objectives and field methodology were developed with input from the MNR and DFO.	Appendix G
The AIR must satisfy Section 2.0 (Information Requirements of Appendix M- Environmental Concerns for Fisheries and Wildlife	A rigorous Aquatic Assessment was undertaken in 2006/2007 to determine potential Project-related effects on fish communities in the affected stretch of the Mattagami River. Sampling objectives and field methodology were developed with input from the MNR and DFO.	Appendix G

Comment	How Addressed	Location in EA Report
Provide more comprehensive discussion/descriptions regarding planned mitigation and other potential contingencies. Fish passage must be ensured. AIR should address items in Section 3.0 (Mitigation) of Appendix M – Environmental Concerns for Fisheries and Wildlife. Original AIR made broad fisheries mitigation assertions based on weak data. AIRS did not examine larval fish drift within the study area, nor did it address downstream juvenile recruitment through facility/barriers into upstream adult spawning populations. The original AIR merely states that Island and Yellow Falls are effective barriers for sturgeon. It does not discuss other species.	A rigorous Aquatic Assessment was undertaken in 2006/2007 to determine potential Project-related effects on fish communities in the affected stretch of the Mattagami River. Sampling objectives and field methodology were developed with input from the MNR and DFO.	Appendix G
Address the issue of fragmentation on a scale above and beyond this structure. How will this additional structure contribute, or not contribute to further fragmentation of fish communities and aquatic ecosystems on the Mattagami system? Given the original AIR findings this issue may not have been considered in adequate depth.	Potential effects of fragmentation as a result of the Project are addressed in the EA Report and the Aquatic Assessment.	6.5 Appendix G
Clearly demonstrate the provision for adequate downstream flows that provide for the maintenance for the maintenance of the aquatic ecosystem. This is particularly relevant during periods of natural flows which coincide with operations required during high demands.	Under most conditions, the proposed Project will operate so that inflows will equal outflows. Maintenance of flow within this highly regulated river system is addressed in the EA Report.	6.2.2
Prepare a detailed reservoir clearing plan/strategy. This plan could contain some insightful figures/diagrams intended to outline characteristics of the new reservoir. However, regardless of format it should include a description of new headpond margins, banks, contours, extent of clearing etc should be produced. It should include inundated soil types, their potential for mercury methylation, whether and where soil grubbing will occur post clearing. It should be accompanied by associated rationales for clearing decisions. This plan will be useful for focusing post construction monitoring (e.g. nutrients, water quality, critical habitats – nursery, forage areas). The original AIR effort was insufficient to support their conclusions that effects will be minimal	A detailed reservoir clearing plan will be submitted to the MNR as part of the technical project documentation. Mitigation and protection measures are also outlined in the EA Report.	6.1.3 6.2.3
Sampling methods and sampling site selection should be well described. Ideally, proposed methods should be discussed the MNR well before implementation. No descriptions of methods were included in the original AIR. Some relevant methods were clearly absent in original AIR or possessed inherent problems e.g. larval fish drift nets were not used. There was an obvious sampling effort deficiency (only 9 attempts) and substrate influences where the use of Ekman dredges was involved. These deficiencies would leave the proponent unable to meet all information requirements outlined in Section 2.2 of Appendix M – Environmental Concerns for Fisheries and Wildlife.	A rigorous Aquatic Assessment was undertaken in 2006/2007 to determine potential Project-related effects on fish communities in the affected stretch of the Mattagami River. Sampling objectives and field methodology were developed with input from the MNR and DFO.	Appendix G
Levels of precision and accuracy for all estimates must be stated. All mean estimates should have 90 or 95% confidence intervals associated with them. A useful level of precision would be +/- 20 to 30%. To achieve this level of precision a significant increase in sampling effort is likely required. Bear in mind CIs much wider than this may not meet impact detection needs. No levels of precision were included in the original AIR. Sample sized in original AIR were not sufficient to draw the stated conclusions.	Levels of precision are within the specified boundaries and are detailed in the Aquatic Assessment.	Appendix G
Abundance, age distribution, and measures of body condition should be described for a suite of sentinel fish species. As a minimum submission, CUEs, age class, length, and weight distributions for sturgeon, walleye, pike, a species of coregonid, and a species of catastomid should be provided. Parameters should be linked to specific objectives. This information must be reported as per item 4. Efficacy of gear used for sturgeon is in question and would influence abundance results significantly. Mesh sizes may not have been optimal for catching this species.	Four "sentinel" fish species were selected using input from the MNR and DFO, along with initial field sampling. Statistics are provided in the Aquatic Assessment	Appendix G
Sample sizes for contaminants monitoring should be approved by MOE. The ability to monitor methyl mercury levels is very important. Original AIR gave small samples sizes for contaminant analysis. 2002 AIR proposes to sample 10 additional fish of two different species.	Sample sizes for methyl mercury monitoring exceed Environment Canada Environmental Effect Monitoring specification as outlined in the Aquatic Assessment	Appendix G
Accepted indices of species diversity must be included for both fish and aquatic invertebrates. A comprehensive qualitative invertebrate assessment using a variety of indices might provide useful information without the requirement for more rigorous methods and intensive sampling efforts required to produce statistically valid quantitative results. Invertebrate data could/should be utilized to associated pre-development baseline conditions to post-construction effects. We recommend proponent contact Chris Jones (OBBN) at MOEE for the latest effective sampling approaches for this type of objective. Proponent needs to be able to meet requirements in Section 2.4.3 of Appendix M – Environmental Concerns for Fisheries and Wildlife. Original AIR was lacking in measures for meaningfully describing both the fish and invertebrate communities. It could not provide useful information for detecting change.	Accepted indices of species diversity were included for aquatic invertebrates. Fish community sampling focused on four "sentinel" species. Sampling and statistical methodologies are outlined in the Aquatic Assessment.	Appendix G
Confirm the presence or absence of redfin shiner. This species is designated 'Not at risk' by COSEWIC and 'Not in any category' by COSSARO but these observations would constitute an unusual extant population in markedly different habitat.	It is highly unlikely that Redfin Shiner is present in the Study Area. The reported presence of this species was likely a misidentification during previous field studies.	
Use a minimum sample size of 15 to 20 adult sturgeon for radio telemetry. 1990 AIR only implanted 10 sturgeon, arguably half of which might have been mature. Differential habitat use and movement patterns by juvenile and adult sturgeon is well documented in the literature. The 1990 results which indicated minimal movement would be expected in this study group of mainly juveniles. The original contention that both sets of falls are barriers may not be correct.	Radio telemetry was not utilized for the Aquatic Assessment since fish presences could be largely determined from extensive field work.	
Walleye telemetry should be implemented or rational for its omission provided. Fish species are not identical in their swimming performances, habitat preferences, sensitivity to environmental change and habitat fragmentation. Original AIR states walleye spawning habitat may exist at the base of Island Falls and that juvenile walleye were found within the study area. Together this implies impacts to walleye are likely.	Radio telemetry was not utilized for the Aquatic Assessment since fish presences could be largely determined from extensive field work.	
Sturgeon/Walleye critical habitat should be quantified and modeled to examine dam effects on critical habitat availability. Impacts to the quality and quantity of fish habitat must be clearly identified.	Critical habitat for "sentinel" species was identified and modeled as part of the Aquatic Assessment	Appendix G

Comment	How Addressed	Location in EA Report
Critical fish habitat surveys should be updated or existing information must be validated. Habitat could have changed somewhat over the intervening period. Original AIR states river reaches highly variable in nature and states active morphological processes are at work in some/all reaches.	Critical habitat for "sentinel" species was identified and modeled as part of the Aquatic Assessment	Appendix G
River and shoreline cruise/habitat surveys should be updated or existing information must be validated. The river could have changes somewhat over the intervening period. See section 2.4.1 of Appendix M – Environmental concerns for Fisheries and Wildlife. We would like to suggest that a large scale longitudinal profile (similar to an E – line in lake surveys) be completed. It should attempt to acquire more descriptive information on the reaches (e.g. contouring and/or characterization of pool/riffle/glide habitat types as baseline data – pool habitats might be emphasized in more detail). This information could then be compared/overlaid with proposed development and/or potential habitat changes. Original AIR states river reaches highly variable in nature and states active morphological processes are work in some/all reaches. 2002 AIR commits to updating the river and shoreline cruise data. It is based on 10 cross sectional profiles.	River and shoreline cruise data and habitat surveys were conducted as part of the vegetation and Aquatic Assessment studies carried out as part of the EA process.	Appendix F Appendix G
Provide rationale as to why a creel survey designed to quantify any recreational fishing within the study area is not necessary. AIR should discuss how dam may affect recreational fishing…or hunting or trapping for that matter. If effects are negative, some discussion on how they might be mitigated should be included in appropriate section of this document. The original AIR only describes commercial fishing activity in study area. No information on recreational fishing activity within the study area was included. It does briefly propose some habitat enhancement for walleye and improved access by anglers below Island Falls. This suggests potential mitigative impacts on anglers and walleye and thus a need for quantitative angling information on the affected reaches.	Information on recreational fishing is available in the EA Report. Access to the Project site will be improved during operation. Construction activities may limit access for a short time period	6.6.5 6.7.4 6.8.5 6.9.2 6.9.3 6.10.2
Update existing information pertaining to this area's importance to hunters and trappers. The original AIR did not really address potential impacts to semi-aquatic mammals. Dismissal of this subject could lead to conflicts or concerns with affected local trappers and/or First Nation people.	The EA Report assesses potential effects of the Project on hunting and trapping activities.	6.10.2

3.5 MINISTRY OF MUNICIPAL AFFAIRS AND HOUSING

To / From	Name	Title	Source of Correspondence	Date	Content	Response Date	Response
To	Jason Innis		Letter	August 8/05	• Notice of Commencement		
From	Andy Milne		e-mail	March 12/07	• Thank you for community newsletter, dated winter 2007 • Please note that I am forwarding your correspondence to Heather Robertson, Manager, North-Eastern Municipal Services Office, for her attention. • Her office will be in touch with you directly • You can reach Heather at 705-564-6870		

3.6 ONTARIO SECRETARIAT FOR ABORIGINAL AFFAIRS

To / From	Name	Title	Source of Correspondence	Date	Content	Response Date	Response
To	Richard Saunders		Letter	June 15/06	• Letter requesting OSAA to provide comments, and coordinate comments regarding island falls hydroelectric project regarding: land claims present within study area • Whether the Study Area falls within an area subject to litigation and if so, its status and process		
To	Richard Saunders		Letter	June 15/06	• Notice of modification and map of project location and study area		
To	Grant Wedge		Phone call	Feb 02/07	• Left msg stating that I was looking to receive comments from OSAA regarding land claims within the Study Area as the letter sent June 15/06 stated		
From	Rochel Kosar		Phone call	Feb 02/07	• Left msg stating that she was returning call for Grant Wedge • They did send confirmation letters from OSAA dated January 25/07, Stantec should have received them by now • JC could call her or Grant Wedge back		
To	Rochel Kosar		Phone call	Feb 2/07	• JC stated that we did receive the letters dated January 25/07; however, WI received a separate letter from OSAA regarding native land claims within the study area • JC was under the impression that the letters dated Jan 25/07 were regarding Grant Wedge's former position at the ministry of Attorney General, since no one has replaced him • JC wanted to know if that letter was both from OSAA and A.G.s office • RK said she would ask Grant Wedge and call back		
From	Rochel Kosar		Phone call	Feb 2/07	• RK said she spoke to Grant Wedge, and he said the letter dated Jan 25/07 was from both OSAA and ministry of attorney general		

To / From	Name	Title	Source of Correspondence	Date	Content	Response Date	Response
To	Rochel Kosar		Phone call	Feb 2/07	• JC said the client would like a separate letter since the one Grant Wedge sent on Jan 25/06 wasn't clear that it was coming from OSAA as well • RK said she would pass msg on to Grant Wedge		
To	Surrinder Singh Gill		Phone call	Feb 6/07	• Called SSG to inquire about letter of confirmation regarding land claim issues within the Study Area • He told me to re-send him the letter via e-mail and he would check on it		
To	Surrinder Singh Gill		e-mail	Feb 06/7	• Attached original letter, dated June 15/06 to Mr. Saunders.		
To	Surrinder Singh Gill		e-mail	Feb 07/07	• Left SSG a msg asking him if he received my e-mail, which I sent Feb. 06/07 with the attached letter dated, June 15. sent to OSAA comp claims branch		
To	Surrinder Singh Gill		Phone call	Feb 07/07	• SSG called back and said it would be a few weeks before we received a letter from OSAA • SSG said that on Feb 9/07, he was going to have a meeting and discuss the letter in the meeting and that he would talk to me again on Feb 12		
To	Surrinder Singh Gill		Phone call	Feb 12/07	• SSG said he will be having a meeting on Feb 13/07 and will discuss the letters of confirmation in the meeting • He will call me Feb 13/07		
To	Surrinder Singh Gill		Phone call	Feb 19/07	• The letter is on his director's desk • It will be signed this week and mailed out		
To	Surrinder Singh Gill		Phone call	Feb 28/07	• JC called SSG to find out about status of confirmation letters from OSAA, the last time they spoke he told her that the letters were on his director's desk and just needed to be signed • He told JC that the letters went back to legal, and that he would check on them and call her back by 11:00am		
From	Surrinder Singh Gill		Phone call	Feb 28/07	• SSG said that he had e-mailed JC preliminary information and the letters with information regarding status of land claims were in legal, they needed to be checked, and he would send them out as soon as possible • SSG was not able to give an estimate of how long that would take		
From	Surrinder Singh Gill		e-mail	Feb 28/07	• Sent preliminary information as an attached letter to the e-mail • This letter indicated the following: • Matchewan First Nations and Flying Post First Nation have both submitted land claims to OSAA • OSAA will advise Stantec of status of land claims at later date • OSAA recommends that Stantec should contact, Flying Post First Nation, Matachewan First Nation, Wahgoshig First Nation, Taykwa Tagamou, Nishnawbe-Aski Nation, • Should also contact the following national government agencies, Don Boswell at INAC, Louise Trapanier at INAC, • And Tia Tzimas at Attorney General		
From	Alan Kary	Deputy Director	Letter	March 15, 2007	• OSAA has reviewed materials and noted that Matachewan First Nation and The Flying Post Nation both of which are in close proximity to the project area, have submitted claims to OSAA. • FN groups that Stantec should contact include: flying Post First Nation, Matachewan First Nation, Wahgoshig First Nation, Taykwa Tagamou (New Post) • Contact the following organizations that represents a number of FFN to ask whether there are other FNs who may be interested in project: Nishnawbe-Aski Nation • Should contact following government agencies: INAC, and Attorney General		

3.7 ONTARIO POWER GENERATION

To / From	Name	Title	Source of Correspondence	Date	Content	Response Date	Response
To	Jillian Macleod		Phone Call	1:17 pm	• Proceeding with upper Mattagami redevelopment • Need board approval to spend next round of cash-present to board in June • Board is risk-adverse • Working to finalize DB contractor • Need final drawings once contractor is decided • Order of development is uncertain • NoC published in March • Water effects discussed between CPL and Ed Dobrowski		

4.0 Municipal Comments

4.1 TOWN OF SMOOTH ROCK FALLS

To / From	Name	Title	Source of Correspondence	Date	Content	Response Date	Response
To	Patrice Cyr	Administrator – Clerk, and Secretary or Planning Board	Letter	July 26/05	• CREC and YFP are planning to develop a hydroelectric project at Island Falls on the Mattagami River • This project as presently envisaged would be a run of the river 15 MW hydro generating station that would use, on a daily basis, the controlled outflow from OPG's lower sturgeon generating station. The powerhouse is expected to house two 7.5 MW units • The power generated would be transmitted to an existing Hydro One 115-kV transmission system • The attached public notice is being published in two local newspapers, this letter is to inform you personally that we are commencing the environmental screening process for this project • This letter gives you the opportunity to provide input to the planning of this project • Comments and opinions collected regarding this study will be kept on file with CREC and may be included in the EA documentation that will be made available for public review • Personal information provided will be treated in accordance with the Freedom of Information and Protection of Privacy Act		
From	Rejeanne Demeules	Mayor	Letter	Sept 2/2005	• I have received your letter dated August 2/05 re: notice of commencement of an Environmental Review for Island Falls Hydroelectric Project • We have no policies or guidelines implemented that may affect construction and operation of this project • This project is going to be established outside of the municipality boundaries		
From	Michelle Morose		Phone call	07 August 2007	• Michelle called for contact info for Scott Hossie • Council would like a presentation / update on the Project • Provided Scott's contact info		
From	Smooth Rock Falls				• Forwarded notice of Public Meeting to be help 28 August 2007 at 7:00pkm • Presentation was hosted by Yellow Falls Power Ltd. and the Friends of the Mattagami River		

This page left intentionally blank.

Table of Contents

1.0 PUBLIC AND INTEREST GROUP COMMENTS....1

2.0 FEDERAL COMMENTS ON DRAFT ENVIRONMENTAL ASSESSMENT REPORT....35
2.1 ENVIRONMENT CANADA COMMENTS....35
2.2 FISHERIES AND OCEANS CANADA COMMENTS....43
2.3 TRANSPORT CANADA COMMENTS....48
2.4 FEDERAL OUTSTANDING COMMENTS....49

3.0 FEDERAL COMMENTS ON DRAFT ENVIRONMENTAL INSPECTION AND MONITORING PLAN....51
3.1 ENVIRONMENT CANADA COMMENTS....51
3.2 FISHERIES AND OCEANS CANADA COMMENTS....51

4.0 PROVINCIAL COMMENTS ON DRAFT EA REPORT....53
4.1 MINISTRY OF NATURAL RESOURCES COCHRANE DISTRICT COMMENTS....53
4.2 MINISTRY OF NATURAL RESOURCES NORTHEAST REGION COMMENTS....72
4.3 MINISTRY OF NATURAL RESOURCE DISTRICT ENGINEER COMMENTS....78
4.4 MINISTRY OF NATURAL RESOURCES OUTSTANDING COMMENTS....82
4.5 MINISTRY OF ENVIRONMENT COMMENTS....83
4.6 MINISTRY OF ENVIRONMENT OUTSTANDING COMMENTS....91

5.0 PROVINCIAL COMMENTS ON DRAFT ENVIRONMENTAL INSPECTION AND MONITORING PLAN..93
5.1 MINISTRY OF NATURAL RESOURCES COMMENTS....93
5.2 MINISTRY OF ENVIRONMENT OUTSTANDING COMMENTS....94

This page left intentionally blank.

1.0 Public and Interest Group Comments

No.	Name	Source	Date	Content	Response Date	Response	Where Addressed in EA
1.	Wayne McGee (Friends of the Mattagami)	Email (Attachments)	11/1/2007 3:57 PM	Good morning Scott Trusting your having a good week. Sorry I'm a bit late in responding I traveled back from Sudbury last night for medical reasons. Anyways I'm still having a lot of difficulty with a lot of these issues and I will never fully understand why any of the supporting agencies would allow the proponent driven process and to allow them to make up their own rules as indicated below. 1- YFP decides how they wants to conduct this EA. 2- YFP decides who they want to hire to conduct the EA. 3- YFP decides what they want to report in the EA. 4- YFP decides what will benefit them best when submitting the EA documentation for perusal. I would hope that before this is all over that someone would offer some clarity. We have said it from the beginning that if a non biased party was responsible for all the reporting not favouring any sides, bringing forth absolute honesty and showing the true impact this community will suffer then I can assure you that the EA report would be somewhat quite different. We all know this.... I would hope the supporting agencies have picked up on the lack of effort put into the reporting like we have noticed and expect they would comment at our next meeting. We have put a lot of work and effort into providing to you Scott "The one responsible for reporting anything and everything that the public brings to your attention whether they favour your Hydro electric project or not. A simple task of reporting. A final and crucial decision for generations to come will be reached based on the compiled information brought forward by you Scott. Remember the supporting agencies were at all your open houses as they were for the meeting put on by the town and are all well aware of the decision reached by our council a week or so later. We cannot justify ruining 3 important sets of Falls and beautiful sets of rapids for an average of 8 megawatts especially when there are other alternatives like upgrades begging to be done on this river system that would add up to almost 400 megawatts. There are other locations that don't affect downstream communities like ours. The Grand Rapids downstream on this river system is one option. Other alternatives like wind, solar, geothermal. The City of Sudbury is now generating electricity with their own garbage and what a wonderful positive environmental image have they created. We are meeting with the supporting agencies near the end of November after all of us will have read your EA report and ready to comment on it. Is it unfair Scott to not give us The Friends of the Mattagami River the right to one last chance to bring forth to you crucial information that may or may not of been included in your reporting prior to the final EA copy. We will accommodate to suit your schedule. This final meeting will be held in SRF with the supporting ministries, The Friends of the Mattagami River, and our Mayor. Attachments: All on WordPerfect 1- Copy of my presentation at the open house that I gave hard copies to Shawna Peddle that works with Stantec 2- My presentation to town council and you can accept that as the minutes of that meeting if Town council did not take any. This was the hard copy left with them so they could make an informed decision. 3- Copy of our groups personal findings after talking to numerous people using this river .This was sent to the MNR with a map provided by them. 4- Copy of presentation given to Timmins City council. We would like all these included in the EA as well as this letter. Will it be to late to give you all the hard copies of the petition book and other things we are working on.We would like to give you the balance of our efforts at that meeting??????. I also understand you will be making a presentation in Timmins on November 12th. We are making another that day as well. Looking forward to your comments. I also want to know if you can't open them..... Regards Wayne It is our only means through this EA to bring forth through public consultation our comments, news paper clippings, meeting outcomes, results from public consultations, petitions etc. that we have brought up have obviously been left out then we want an opportunity to address this concern on your next draft before the final copy goes out	11/2/2007 11:50 AM	Good Morning Wayne, I have received your email and the attached correspondence. The Draft EA has been printed and is currently being mailed out to public viewing locations and stakeholders, including the Friends of the Mattagami River. As discussed in my previous email, this correspondence, and future stakeholder correspondence will be included in the Final EA. I note your concerns related to the proponent driven process, however, to be clear, this process is the accepted and required process for Electricity Projects in Ontario, and therefore, it is the process that this project must follow. For your continued reference, the requirements for electricity projects are set out in Regulation 116/01, the Electricity Projects Regulation and are described in the Guide to Environmental Assessment Requirements for Electricity Projects, 2001 (the "Guide"). The Guide (www.ene.gov.on.ca/envision/env_reg/ea/English) is published by the Ministry of the Environment. For your continued reference, I will outline the opportunities for stakeholder involvement in the EA, both over the last two years, and during the coming months. The Stakeholder and First Nations Consultation and Information Disclosure chapter of the Draft EA will discuss these items in greater detail. Consultation Activities To-Date: YFP issues Notice of Commencement for the Environmental Assessment, this notice is posted in the newspapers and distributed via Canada Post's ADMAIL service; YFP provides email, telephone, fax, and mail numbers/addresses to stakeholders for submission of questions and comments – these services are maintained throughout the EA process for continued dialogue between the proponent and local stakeholders YFP hosts two Open Houses in the local community to provide stakeholders with information on the Project, updates on Project schedules, and description of the EA process YFP attended the Community Meeting hosted by the Town of Smooth Rock Falls regarding the Project. Presentations were made to the attendees by YFP and the Friends of the Mattagami River YFP has also made several presentations to the Smooth Rock Falls Council Opportunities for Stakeholder Input in the coming months: Within the week, YFP will be releasing a Draft Environmental Assessment. This Draft release to the public is not required under the EA process, however, YFP has elected to release the draft EA due to public interest in this Project, and to ensure continued transparency in the EA process Stakeholders are provided 30 calendar days to submit any comments or questions on the Project or the EA documentation to YFP – during this time period, stakeholders can identify any relevant information that they feel has been omitted. Correspondence received from stakeholders during this period will be included in the Final EA as appropriate. Following review and consideration of stakeholder and agency comments, YFP will release the Final EA. Accompanying the Final EA release, YFP will publish a Notice of Completion in local newspapers, and provide a copy of the Notice to stakeholders who have indicated an interest in the Project through submission of correspondence, comment cards, telephone, fax email etc. Commencing on release of the Final EA, stakeholders will be provided with another 30 calendar day comment period. As we have discussed previously, it is during this 30 calendar day comment period that stakeholders can submit a Request to Elevate to the Director of the Environmental Assessment and Approvals Branch ("EAAB") of the Ministry of the Environment ("MOE") if they feel that an acceptable solution has not been reached through discussions with the proponent (see Section B.4 of the EA Guide for further detail). As outlined above, stakeholder input and involvement in the EA process has and continues occur throughout the EA phase of the Project. Through release of the Draft EA, YFP has further increased the opportunity for stakeholders, such as the Friends of the Mattagami River, to contribute to the EA. With regard to the fourth paragraph of your email and your questions regarding other electricity generation sites I would offer the following clarification. The Island Falls Hydroelectric Facility has a capacity of 20 MW. As with all run-of-river hydroelectric facilities, the electrical output from the facility at a particular point in time is determined by the river flow. Consequently, power output is maximized during spring flows, and is lower during late summer when river flows are at their lowest. The proposed design maximizes the efficiency of resource use	N/A

No.	Name	Source	Date	Content	Response Date	Response	Where Addressed in EA
						by allowing for the harnessing of the high energy present during the high spring flows. As you are aware, older hydroelectric facilities were often constructed with lower capacities, and therefore were not able to harness the additional energy provided during the spring freshet. It is these facilities, such as Lower Sturgeon, that are now being upgraded by OPG. The Island Falls Hydroelectric Project will generate an average of 93,000 MWh of electricity. This is enough to power approximately 13,000 homes. This is a significant number of homes that will not be powered through fossil-fuel-based electricity generation. As you have stated in your email, the upgrading/improvement of existing hydroelectric facilities should be done where feasible. These upgrades will increase the electrical generation available from this existing infrastructure. These sites you refer to, however, are not owned or controlled by YFP or Canadian Hydro, and therefore we are not able to undertake these upgrades. The decision to upgrade these facilities lies with the facility owners, and will be affected by several factors, including suitability of existing infrastructure, and transmission capabilities. Electricity conservation, new electrical generation, and optimization of existing infrastructure are all part of the solution to meeting our future energy needs. The Island Falls Hydroelectric Project is part of this solution. With regard to new hydroelectric facilities, please note that most of the potential sites located north of Highway 11 are located within either the Northern Rivers or the Moose River Basin Commitment Areas. Hydroelectric development within these areas is significantly constrained under current policies applicable to these areas. It is understood that the government of Ontario, First Nations, and other stakeholders are currently endeavoring to address these restrictions, however at the present time, hydroelectric development within these areas is restricted. Additionally, transmission infrastructure to/from these northern sites is generally deficient, further limiting hydroelectric development at this time. It is our understanding that the Ontario Power Authority ("OPA"), the Ministry of Energy and other stakeholders are currently working to address these constraints, as laid out in the Integrated Power Supply Plan (2007) published by the OPA. I trust that this information is of assistance to you. If you have any questions or comments during your review of the Draft EA, please feel free to contact me. Best Regards, Scott	
2.	Nicole Guertin (Friends of the Mattagami)	Email	11/4/2007 8:59 AM	Bonjour Monsieur Hossie, Thank you for the explanation on the process for the EA. You really need to be a consultant to be able to follow the development of these projects! I consider myself a educated woman which is fairly resourceful, however I find it very hard to see how the community can be REALLY have an impact on the decision of these projects since it is so complicated to follow. I find it very sad, that the process limits that involvement of the communities if there is not a group outside the proponents leading the discussion. Here are some of my questions: 1) Could you please describe the steps and the dates for the Kapuskasing projects as you have done for the YFP? 2) I would also like to have the information for the New Post falls project. 3) On what site (exact page) that we can find all of these proposed projects for the next few years. 4) Where do you get the 93,000mwh? (93,000 divided by 365 days/ divided 24 hours= 10,6 mega watt per hour). I am quite confused since, Stéphane Boyer from Hydromega told me that 10mwh would give electricity to 2500 homes. You mention 13,000 homes in your e-mail. Can you please clarify the discrepancy between those numbers. Nicole Guertin A friend of the KAPUSKASING RIVER	11/7/2007 1:32 PM	Hello Nicole, Thank-you for your email, I will try to answer your questions as best I can. However, I cannot provide specific details on other hydroelectric Projects being developed by other proponents. For details on these Projects, please contact the proponents involved. Questions 1 and 2: Hydroelectric projects would be required to complete and environmental assessment process that is similar to the process Island Falls is current undertaking. Specifically, that Project would be required to fulfill the requirements of the Electricity Projects Regulation. As discussed in the email below, the Guide outlining the process is available from the MOE (www.ene.gov.on.ca/envision/env_reg/ea/English). Since the Kapuskasing Projects are being developed by Hydromega, only they will be able to provide their anticipated schedule for their environmental assessment, construction, etc. Similarly, details on the schedule for the New Post Falls Project should be obtained from the Project proponent. To be clear, Yellow Falls Power is not involved in either of these projects. Question 3: Information related to energy procurement (i.e. new generation) is available from the Ministry of Energy (www.energy.gov.on.ca) and the Ontario Power Authority (www.powerauthority.on.ca). Please note that the procurement of new electrical generation in Ontario, including renewable sources such as run-of-river hydroelectric is ongoing. New generation is identified through competitive bidding processes, and the Ontario Power Authority's Standard Offer Program. As such, there is no 'list' available for future projects over the next several years. For further information on future plans for improving Ontario's electrical supply system into the future, a good source would be the Integrated Power Supply Plan available on the Ontario Power Authority website. This plan discusses future electricity needs, generation sources, infrastructure requirements, renewable energy goals, and anticipated electrical supply from various regions in Ontario. Question 4:	N/A

No.	Name	Source	Date	Content	Response Date	Response	Where Addressed in EA
						Hopefully I can shed some light on these numbers through explanation of some of the terms associated with generation facilities. Generation Capacity: The maximum amount output (measured in mega watts) from the turbine at a single point in time. This is also known as nameplate capacity. In the case of Island Falls, we have two turbines with a capacity of 10 MW each, for a total of 20 MW nameplate capacity. During the spring melt, when there are high flows in the river, the turbines will be running at capacity (20 MW). During the low flow season in the summer, the turbines will be running at a corresponding portion of their capacity. Thus, by incorporating a capacity of 20 MW, the large amounts of energy available during the spring freshet can be utilized, making most efficient use of the available resource. Annual Generation: The total amount of electricity (measured in mega watt hours - MWh) produced from the Project in one year. The annual generation is usually expressed as an average since generation varies with variations in natural river flow from year to year. In the case of Island Falls, the total average generation is anticipated to be 93,000 MWh. This estimate is based on efficiencies of the turbines and historic river flow data. Again, this will fluctuate with natural river flow, so there will be more energy in a 'wet' year and less in a 'dry' year. The number of homes powered by the output from a project is a function of the annual generation and the amount of electricity consumed by a household, i.e. annual generation / household annual demand. Based on a household demand of 7.2 MWh per year, the number of houses powered by the Project is 93,000/7.2 = 1291 homes. This calculation obviously affected by changes in household demand, which can vary over time, by region, and by weather conditions (e.g. a hot summer can increase annual household demand due to higher air conditioning electricity consumption). In order to compare relative output of generation facilities, the annual average generation (93,000 MWh) should be compared. I trust this information is of assistance. Please feel free to contact me if you have any further questions regarding the Island Falls Hydroelectric Project. Best Regards, Scott	
3.	Wayne McGee (Friends of the Mattagami)	Email	11/14/2007 10:50 PM	Good evening Scott Just wanted to clarify a comment made at the last meeting with Town Council where you indicated to council members that the stack of petitions that you had just received were signed copies from all the businesses in town. I did my personal stats on these received copies taken from The EA...draft report.... I verified with the Chamber of Commerce on the # of businesses and organisations that exist in SRF....I was told a total 70.... I took all the signed petitions from The EA draft and counted them and I came up with a total; of 80 copies... Out of those 80 copies, only 10 signed copies were businesses from town. 4 signed copies were businesses from Kapuskasing. 66 signed copies were individuals who mostly were employees, friends and associates. Unless I totally missed something Could you explain???? Best Regards Wayne	11/15/2007 7:32 AM	Hello Wayne, I hope all is well! As discussed at the Council meeting, and in our subsequent discussions, the letters were provided to me by members of the business community who were concerned that the support for the Project within the community was not being heard. Accordingly, these individuals provided me with the signed letters for inclusion in the Project documentation. As I understand it, the intent was not to obtain signatures from as members as possible (indeed, these letters were obtained from the local community over the course of a day or two, and is not intended to be an exhaustive list), but rather to allow some individuals from the community, who wanted to express their support for the Project, the opportunity to do so. As you have noted, these letters are from business owners, both from Smooth Rock and the surrounding area, employees, and community members, thus indicative of support for the Project from various segments of the local community. Local economic benefits associated with the Project would positively affect not only the business owners, but also their employees who are members of the Smooth Rock Falls Community. I trust that this information provides additional clarity on this matter. Best Regards, Scott	N/A
4.	Wayne McGee (Friends of the Mattagami)	Email	11/16/2007 11:36 AM	Hi Scott Some of the information in the EA is fascinating. In the Archeology study done at Yellow Falls, they uncovered well over 100 artifacts. Two of them being an arrow head and Chert scraper over 5000 years old... When I first seen them as a picture I couldn't believe it... What a Find!!!! Maybe I'm a little emotional with that kind of stuff but I find that hard to believe that wouldn't substantiate more study to reveal what's truly under there. I talked it over with the group and some anonymous Native people and boy all of us would like to see more before this gets sealed forever.	11/15/2007 8:01 AM	Hello Wayne, As outlined in the archaeological report, excavations were completed at Yellow Falls (a previously known archaeological site) to determine the nature of the artifacts present at that location. For clarity, the archaeological site is located adjacent to the proposed headpond, and will not be inundated. With regard to First Nations, YFP has provided this report to the Taykwa Tagamou Nation, within whose	N/A

No.	Name	Source	Date	Content	Response Date	Response	Where Addressed in EA
				Q 1 Therefore the questions we have is who decides wether there is enough evidence to continue with the search??? and who calls it off. What gives him that right? Q 2 Who chooses the sites to be studied and why there???We could think of many more!. Q3 What is the deciding archeological factor that triggers a stop in such a study .and who does that. What would trigger the study to continue???? Regards Wayne		traditional territory this Project is located. The TTN have not identified any concerns with the work undertaken, the findings, or the mitigation measures proposed. Taykwa Tagamou Nation members were also included in the field crew during the archaeological assessment works, and thus were intimately involved in the archaeological assessment process to-date. In response to your three questions regarding authority and responsibility in archaeological matters, I would offer the following information, referencing your questions below: Q1 and Q3: The assessment was completed by a licensed archaeologist in accordance with the Ontario Heritage Act. Any recommendations made by the archaeologist, including assessments of significance, mitigation plans, future assessment requirements etc. must be approved by the Minister responsible for the Ontario Heritage Act. Specifically, the archaeologist's report must be reviewed by the Ministry of Culture and the findings and mitigation/future work plans approved. Please refer to Appendix E8 (second last letter in that section) for a copy of the approval letter from the Ministry of Culture, which states 'The Ministry of Culture accepts this report and concurs with the recommendations of the consultant archaeologist. Therefore, construction may proceed on this project in conjunction with the aforementioned additional work'. Q2: As outlined in the archaeological report, there are several stages to the assessment. The first stage is a review of existing background information, as well as the identification of high-potential areas within the Study Area. These high potential areas are then visited and surface sampled during Stage II investigations. Sites that yield artifacts during Stage II investigations subsequently undergo more intensive Stage III investigations. Accordingly, individual sites are not randomly investigated, but rather systematically assessed to identify archaeological resources. For the purposes of this Project, the assessment included a larger Study Area, and also focused on areas in the immediate vicinity of Project infrastructure (i.e. dam, headpond, etc.) to identify sites that may be disturbed by construction activities. Again, all interpretations, assessments of significance, artifact findings, and mitigation measures are reviewed and approved by the Ministry of Culture. I trust the foregoing information meets your needs, please feel free to contact me if you have any further questions. Best Regards, Scott	
5.	Wayne McGee (Friends of the Mattagami)	Email	11/16/2007 11:29 AM	Thanks for your reply. We certainly don't accept that. How about the areas that will be inundated??? What may lie there???. If the Native group intimately attached to this study would of had no financial initiatives, perhaps the outcome would of been different and possibly the project would be stopped....We did speak to a native person not attached financially and his reply was not the same, furthermore there would be many different Native Groups buried alongside these river banks, and they as well should be involved in the process. Another good example where the almighty dollar wins over initiatives to uncover and unfold the mysteries of the past. It is sad that this sacred place that the Natives used for thousands of years will be submerged underwater forever. Is there no remorse??????? Friends of the Mattagami River Regards Wayne	11/16/2007 12:54 PM	Hello Wayne, As discussed previously, the Ministry of Culture, as the agency responsible for the Ontario Heritage Act, has, and will continue to review the archaeological aspects of this Project. Their interest in the identification, preservation, and protection of archaeological resources does not differ by specific First Nation group, involvement in the Project, etc. With regard to the areas being inundated, please note that this area was inspected on foot and by canoe (not just the sites that were eventually sampled) specifically for the purposes of identifying archaeological resources, of any First Nation group. Those sites that were found to contain cultural resources were then investigated further as documented in Appendix I of the Draft EA. As noted below, the assessment was completed by a licensed archaeologist, using good archaeological practices, in accordance with the Ontario Heritage Act, and subsequently approved by the Ministry of Culture. Further, as noted in Appendix I, should archaeological or historical materials be identified during construction activities, all activity in the immediate vicinity of the discovery will be suspended and the Ministry of Culture archaeologist contacted. Appropriate archaeological investigations will be undertaken prior to re-commencement of construction activities in that area. I trust that this information and that contained in Appendix I of the Draft EA addresses your interest with regard to historical and archaeological resources. Best Regards, Scott	N/A
6.	Wayne McGee (Friends of the Mattagami)	Email	11/16/2007 11:36 AM	Good morning Scott YFP and OPG,Hydromega are all hydro developers who feed into the grid. All sell power to the OPA who manage incoming power, dictate pricing, needs, for the rest of the province...Is this correct or does anyone else get involved... Thanks Wayne	11/16/2007 1:27 PM	Hello Wayne, good afternoon once again! As discussed previously, YFP, OPG and Hydromega are all electricity generators. I cannot speak in detail regarding power sale arrangements/agreements associated with other companies, however for the Island Falls	N/A

No.	Name	Source	Date	Content	Response Date	Response	Where Addressed in EA
						Project, YFP has a Renewable Energy Supply II contract with the OPA. Accordingly, the electricity generated by the Project will be fed into the provincial grid (specifically Hydro One's H9K line north of Highway 11). The power is metered, and YFP is paid by the OPA for power provided to the grid. The fixed price paid for the power from the Island Falls hydroelectric Project provides for stability in electrical pricing, benefiting all consumers. For specific detail on power sale arrangement for other projects, you should speak directly to the other generators. For example, the OPA was established in 2004, and therefore, older facilities may have different power sale arrangements. There are a number of entities involved in the Ontario electrical system, of which the OPA is one. I have provided their links below for your continued reference. As discussed below, the OPA is responsible for ensuring adequate supply (generation) of electricity. The maintenance of the transmission infrastructure is generally the responsibility of Hydro-One. The management system is the responsibility of the Independent Electricity Market Operator. Ontario Ministry of Energy: The provincial ministry responsible for ensuring that the provinces electrical system functions at the highest level of reliability and productivity. (www.energy.gov.on.ca) Ontario Power Authority: Responsible for ensuring an adequate, long-term supply of electricity in Ontario www.powerauthority.on.ca Ontario Energy Board: The regulator of Ontario's natural gas and electricity industries. The Board also provides advice on energy matters referred to it by the Minister of Energy and the Minister of Natural Resources www.oeb.gov.on.ca Independent Electricity Market Operator: Manages Ontario's electricity system and operates the wholesale electricity market. It forecasts demand for electricity and ensures supplies to meet that demand (www.theimo.ca) As always, thanks for your continued interest in the Island Falls Hydroelectric Project. Best Regards, Scott	
7.	Wayne McGee (Friends of the Mattagami)	Email (Attachments)	11/17/2007 1:09 PM	Dear Scott The Friends of the Mattagami River would like the following added to The Environmental Assessment's final copy for clarity purposes and because this is our largest concern and deception with this entire project... and why this section is so important to the Timmins and Smooth Rock Falls residents and the plans they have together to develop this river sytem in a way that both communities would greatly benefit from ....Remember that we are trying to rebound from a permanent Mill closure and that we have turned to the next most important resource we have The Mighty Mattagami.... We also want to note that this is the last untouched section this river has to offer.We have paid our dues at allowing eight other locations on this river system for the sake of making electricity. Without the above pictures treasures, both our communities project proposal plans and dreams will be vanished forever.... Will you add these 10 pictures in a 8x10 format in the EA for all of this will be immersed underwater forever. Also would you add this one picture of a similar run of river facility/dam that we have included for your convenience. This is what we can expect in exchange for the New facility..... Only then will we be convinced that a proponent driven EA process is starting to express what these communities are loosing in terms of cottagers quality of life ,heritage, last opportunity to develop they're resource, the fishing, the beauty, the hunting, and the way this community uses this river to keep they're lives in balance.....and what it means to them.... Pic 1- Carmichael Dam run of river facility (New facility 20 kms from home) Pic 2- Large cedar with 2 young girls hunting Cedar estimated at 300 years old hundreds like this sitting on the river banks not to mention the beautiful black ash stands that haven't been mentioned or the huge birch that would of traditionally been used for making birch bark canoes.... The soil composition must	11/19/2007 9:34 AM	Hello Wayne! I will include this email and the attached files with the rest of our correspondence in the final EA. Best Regards, Scott	App-E9

No.	Name	Source	Date	Content	Response Date	Response	Where Addressed in EA
				be sprinkled with magic for none of us understand why theses trees grow so big.(Inundated under 15ft of water) Pic 3- Island Falls The site where the dam will be built. Typical day at the campsite that SRF residents have been using for decades and decades. (Site of Power Dam) Pic 4- Island Falls afternoon with family outings (Site of Power Dam) Pic 5- Yellow Falls Falls autumn afternoon with family outing (inundated under 15ft of water) Friends of the Mattagami River			
8.	Wayne McGee (Friends of the Mattagami)	Email (Attachments)	11/17/2007 1:12 PM	Pic 1 Two Timmins brothers 70 years + with large cedar .This day they spent transporting school students with a large pontoon boat to Yellow Falls for a school field trip...offering they'knowledge Pic 2 School trip at the Yellow Falls site. Pic 3 Baby Sturgeon who cannot speak for himself.... What happens to the rest.... Pic 4 Yellow Falls to show its magnitude and the beauty of adjoining rock formation that has been there for some 80 million years. One should see this area with fall colours or in springtime at icebreak to truly appreciate its mighty power Pic 5 Yellow Falls and why they call it Yellow... Pic 6 Well over 100 artifacts have been found at The Yellow Falls site. Here is a simple arrow head found over 5000 years old. How much more could be found . "We all have a responsibility to save our environment and that starts with every one of us" Al Gore Friends Of the Mattagami River	11/19/2007 9:34 AM	Hello again Wayne! As per the previous email, these materials will be in the Final EA. Regards, Scott	App-E9
9.	Wayne McGee (Friends of the Mattagami)	Email	11/17/2007 11:09 AM	Good morning Scott We did have an informal meeting with the Towns administrator with regards to the Workshops you recommended.....We have to continue with the talks even though a resolution had been reached not to support th YFP project. The only concern we have is this. If YFP want to help with recreation in our community as indicated then, It should be related to the Mattagami River and those that will suffer from your project... It would not be fair that a hockey player or golfer benefit from The fisherman's, cottagers, canoe kayakers loss. We have not spoken to our Mayor about it because of his absence on a business trip. Give us your feelings. I think I can hold a non biased opinion during these sessions and I think you would all benefit from my participation. I have some great ideas therefore Would you have me in the work shop????.I have submitted my application to the Town Friends of the Mattagami River Wayne	11/19/2007 7:08 AM	Hello Wayne, I hope you had a great weekend! As I discussed with Council when I presented the concept of a recreation workshop to them earlier this year, we have left it to the Town to identify appropriate participants. This was the best way to proceed since the Town would have the best understanding of who was most appropriate for participation based on interest and experience. Accordingly, we will leave it to the Town to identify the participants. If the Town determines that your attendance would be beneficial, then you are certainly welcome to attend. We look forward to working with the community of Smooth Rock Falls to cooperatively discuss recreation opportunities associated with this renewable energy initiative. Best Regards, Scott	N/A
10.	Wayne McGee (Friends of the Mattagami)	Email	11/19/2007 4:11 PM	Scott Just for clarification purposes. We realize this is the Draft copy of the EA ...What happens after this.What is the deadline for getting all that we want into the final EA.....?????? Both Rick and I are spending hours reviewing the Draft EA and to be frank with you we will never get through it all before January and both of us are retired.How in the world do you expect the 9 to 5 worker to absorb and comment on this material. a 30 day window is totally unacceptable to adequately review the complexities of the EA..... Larry has been working long hours because of a shut down and has to drive several miles to get to where the EA...is available to everyone.He has requested information on the fisheries a long time ago on several occasions.Due to his involvement and interest he should of also received the same documentataion as us.Certainly it is'nt too late	11/20/2007 1:16 PM	Hello Wayne, I hope all is well! Thank you for your email and your continued interest in this renewable energy initiative. With regard to the EA process, I would refer you to the Guide to Environmental Assessment Requirements for Electricity Projects (MOE, 2001) (the "Guide") as provided to you in previous correspondence and again here: www.ene.gov.on.ca/envision/env_reg/ea/English. As outlined in the Guide (Section B.3.4), the Environmental Screening Process ("ESP") prescribes a single 30 calendar day comment period following the publication of the Notice of Completion of an Environmental Review Report ("Notice of Completion Review Period"). During this 30 calendar day Notice of Completion Review Period, stakeholders are able to provide comments to the proponent on the EA and if their concerns are not resolved during the review period stakeholders may submit a Request to Elevate (see Section B.4.1.1 of the Guide). As you are aware, the Draft EA was voluntarily released by YFP released for stakeholder review and comment from 07 November to 07 to December 2007. This Draft EA release precedes, and is in addition to, the Notice of Completion Review Period described above. As stated in the Notice of Release of Draft Environmental Assessment Report posted in the local newspapers, direct mailouts, admail notices, and on the project website, YFP has provided the Draft EA for First Nation, public, and agency review in recognition of the community interest in the project. The Draft EA review period is not required by the ESP and thus, this review process is in addition to formal ESP requirements. The proactive	S-5.5.2.1

No.	Name	Source	Date	Content	Response Date	Response	Where Addressed in EA
						release of the Draft EA for stakeholder review and comments continues to demonstrate YFP's commitment to undertaking a rigorous and transparent ESP. We recognize that your group has a diverse interest in the project, and the Draft EA Report is a very thorough and comprehensive document. Accordingly, and in response to your request, YFP will extend the comment filing date for stakeholder input from 07 December 2007 to 07 January 2008. We will also notify the public in general of this extension of the Draft EA review period via the project website (www.islandfallshydro.com). As discussed previously, all pertinent comments received during this Draft EA review period (now concluding 07 January 2008) will be included in the Final EA to be released for the Notice of Completion Review Period (the ESP required review period described in the first paragraph of this email). All stakeholders will then have another 30 calendar days to provide any final comments on the Final EA, which will be the document being considered for approval by the provincial and federal agencies. For continued reference, I have outlined key dates below: 07 January 2007 (or earlier) – DRAFT EA Comments: All stakeholder comments on the Draft EA Report are submitted to YFP Q1 2008 Notice of Completion: Notice of Completion of an Environmental Review Report is published and the Final EA is released. The ESP required 30 calendar day Notice of Completion Review Period commences upon publication of the Notice of Completion. During this review period stakeholders are encouraged to discuss issues / comments with YFP. The Notice of Completion will specify the specific date before which comments must be received by YFP and / or the associated Ministries. Q1 2008 Statement of Completion: for 30 calendar days following the issuance of the Notice of Completion the stakeholder review and comment period ends, any Requests to Elevate must be received by this date (see Section B.4.1.1 of the Guide). If no Requests to Elevate are received within the specified time requirements, the requisite Statement of Completion is filed to complete the ESP. With regard to Larry's documentation requirements, I will have another copy of the EA printed and sent to him. I trust the foregoing assists in your review of the Draft EA report and clarifies YFP's continued commitment to a comprehensive, transparent, and inclusive ESP. As always, please feel free to contact me if you have any further questions or comments. Best Regards, Scott	
11.	Yvon Arseneault	Email	11/30/2007 10:59 AM	Dear Mr. Hossie, I am the trapper on trapline No.67 and wish to inform you that I am in favor of your project at Island Falls. It will open up a tremendous amount of territory on my line. It should have been done twenty years ago. I took time to look at your environmental assessment report and believe the people involved did a very good job. Maybe, you should consider opening the new access road to the river for the public. It would be greatly appreciated. Yours truly. Yvon Arseneault			N/A
12.	Wayne McGee (Friends of the Mattagami)	Email	12/10/2007 1:33 PM	Scott The 20 year contract you have with the OPA is not like the contract OPG would have with them. It is my understanding that OPA prefer the smaller 20 megawatt projects because they would have to provide electricity at a lower cost to get the contract.Is this correct? and... Do you know how much less this would be??? Regards Wayne	12/13/2007 1:15 PM	Hello Wayne, I am not aware of any details pertaining to any agreements between OPG and OPA. Those would be confidential between those two entities. I can confirm that the Island Falls Project's contract with the OPA was won through a competitive bidding process. By using the competitive bidding process, the OPA was able to review the proposed Projects, including their price, prior to selecting which, if any, project would be awarded a RES II contract.	N/A

No.	Name	Source	Date	Content	Response Date	Response	Where Addressed in EA
						Projects that were awarded a RES II contract varied in size from 20 MW to 197.8 MW. I cannot comment on OPA preferences related to project size and price. Prices for the individual contracts are not released. Further information on the OPA's power procurement process is available on their website: www.powerauthority.on.ca . I hope that this information addresses your question, please feel free to contact me directly if you require any further information. Best Regards, Scott	
13.	Wayne McGee (Friends of the Mattagami)	Email	12/10/2007 8:42 PM	Scott Q1 In table 5.2 with regards to the Artic Riders memorandum of understanding.YFP provided Artic Riders with financial assistance to relocate one of they're trails.You also mention that some clarification as to how YFP and Artic Riders would work together to avoid potential effects on each others operation during construction and operation of the project... It is true that this group was told it was a done deal and the project is going forward and that you may as well take the money or you will loose it... Also the memorandum of understanding is simply a sign off that prevents Artic riders from taking part in any function vote statement etc that would jepordize YFP and its project.... Can you clarify all this ???? Q2 In table 5.6.2 You talk about the recent engagement of Mattagami First Nations and have also provided information to 4 other first nation groups at the request of federal and provincial agencies.Does this mean that the benefits of this project will also have to be shared with all First Nation groups.It almost sounds like the Res 11 contract was awarded to quickly. Can you clarify all this??? Will all this be clarified before construction starts.... Q3 In table 5.1 You mention that Construction and operation will result in the unindation of approximately 111ha of land over 8km from Island Falls to Loon Falls and this will improve the navigability in the head pond and that there is a portage route in the design. Let me be clear with what we have been saying all along... There is one last section of untouched river that includes Island Falls Yellow Falls Davis rapids and Loon Falls with beautiful shorelines of magnificient mature forest with many trees well over 300 years old and all that swift water that kayakers and canoers just thrive for .There are no more sections I repeat no more sections on this river for Hydro developers have taken them all for the purpose of providing electricity for the rest of this province.Yet the Crown Land Policy Atlas states the primary reason this river will be used for will be tourism and recreation.This Atlas has just recently been revised Its an absolute insult to say this will make the river more navigable for kayakers canoers etc.This is the last place that a Kayaker or canoer has to go on this river to entertain himself or herself.Flood that section and its all gone forever.There's absolutely no reason to come down that river anymore for you will have immersed underwater forever everything that is worth seeing, 3 beautiful sets of Falls and rapids .Our towns citizens have been using this river for decades for the purpose of recreation where will they go now???? .Both the City of Timmins and SRFalls are eager to start with this rivers development for the purpose of tourism in an effort to help with the long term sutainability while preseving the environment and keeping something for the youth of tommorrow. I would expect that in the final EA under public interest that you would reflect the true social impact this project will have on our community forever.... Q4 Table 5.2 You talk in several places about consideration to social and public issues including recreational uses of river will form integral part of the EA... What type of consideration are you refering to???? Best Regards Wayne for Friends of the Mattagami River	12/13/2007 12:21 PM	Hello Wayne, thanks for your continued interest in the Project. As you are aware, as documented in the Draft EA, YFP and the Arctic Riders Snowmobile Club (Arctic Riders) did sign a memorandum of understanding (MOU) pertaining to the Project. This MOU The MOU provided the Arctic Riders with the means necessary to complete a new snowmobile trail on the east side of the Mattagami River; a trail which was already under development by the group. By creating the new trail, the potential for effects on their trail operations associated with the Project were avoided. The MOU clarifies that, with the provision of this mitigation measure (i.e., funding for completion of the new trail), the concerns of the Arctic Riders organization with the Project have been addressed. During the Project planning activities, First Nation engagement has been a key focus of YFP. YFP will continue to encourage participation of First Nations in the EA process. For clarity, the duty to consult First Nations is a responsibility of the Crown. Accordingly, and prior to approval of the Project, it is our understanding that the Crown will need to be satisfied that appropriate consultation with First Nations has been undertaken. Thank you for again articulating the Friends of the Mattagami River's position related to recreation and hydroelectric development at Island Falls. As you have noted, YFP has included a portage route in the design of the facility, a boat launch facility, and additionally has improved river access through the improvement of the Red Pine Road, the reinstallation of a previously removed bridge, and the installation of new bridges. We are also looking forward to working with stakeholders from the Town of Smooth Rock Falls to explore additional recreational benefits for the community in association with the Project. This workshop will likely occur in January 2008. As you are aware, YFP proposed this workshop in response to comment from the Friends of the Mattagami River at the Smooth Rock Falls Community Meeting in August of this year. . Comments from stakeholders related to use of the river, and the inclusion of recreational enhancement measures as discussed above, demonstrate YFP's ongoing commitment to addressing, to the extent practicable, stakeholder issues as part of the environmental screening process. I trust that this additional information addresses these questions, please feel free to contact me if you have any further questions or comments. Best Regards, Scott	N/A
14.	Rick Isaacson (Friends of the Mattagami)	Email	12/10/2007 11:17 AM	Good morning Scott...a few questions and concerns on the draft E.A. 1.Vol.1 E4. Its stated by stantec that the majority of concerns raised to date during the public consultation were addressed.Could you please tell us which ones have been addressed?How they were addressed? Which ones havent been addressed yet? Then have it included in the final E.A. 2.Vol.1 E4. Under conclusion it discusses the impact of this project strictly to Island Falls.Being an environmental assessment the impact of the headpond to all areas above the proposed dam has to be documented.We expect that the impact to Yellow Falls,Davis Rapids an Loon Falls be recorded in the final E.A. Please inform us on how you attend to address this?	12/14/2007 12:07 PM	Hello Rick, I hope all is well! As per the previous email, I have inserted YFP's response after each of your questions below. Any additional questions or comments please feel free to drop me a line. Have a great weekend and best regards, Scott	S-1.4

No.	Name	Source	Date	Content	Response Date	Response	Where Addressed in EA
				3.Vol.1 PG.3. Would it be possible to have your definition of environment..which reads natural,physical,biological,agricultural,socio-economic,historical and archaeological components documented just below1.O introduction..in the final report? 4.Vol.1 PG.3. Under ICF consulting 2005 it estimates that the average home uses 11 MWh. per year..yet in previous presentations Y.F.P. basis it on the average home using 7.2 MWh..Why is that? You have also stated in the E.A. an estimate of 87,000MWh. per year..yet at presentations it was said to be 93,000MWh. Could you please clarify? 5.Vol.1 PG.7. Project Purpose number 3 could you please explain the long term benefits and continued economical growth for the community of Smooth Rock Falls or any other surronding communities? 6.Vol.1 PG.10. Under project disadvantages could you please include in the final E.A. that it removes all potential for economical developement,tourism,educational programs,swift water instruction for canoeing, kayaking at Island Falls,Yellow Falls,Davis Rapidsand Loon falls. 7. To what extent is the D.F.O. invoved at the moment? Do they also review the final E.A.?Besides the M.N.R.,M.O.E. do they also have to approve the final E.A. before the project can be approved? Best Regards Rick an Friends of the Mattagami River;		Good morning Scott...a few questions and concerns on the draft E.A. 1.Vol.1 E4. Its stated by stantec that the majority of concerns raised to date during the public consultation were addressed.Could you please tell us which ones have been addressed?How they were addressed? Which ones havent been addressed yet? Then have it included in the final E.A. *Response: As you are aware, YFP has undertaken an extensive consultation program for the Project. This program has included two open houses in Smooth Rock Falls, the Project website (www.islandfallshydro.com), newsletters, Smooth Rock Falls community meeting, meetings with stakeholders, as well as email, telephone, and fax means of submitting comments and questions regarding the Project. In addition, YFP has voluntarily released this Draft EA to First Nations, agencies, and stakeholders for their review and comment in advance of the release of the Final EA and the Notice of Completion under the environmental screening process.* *As described in the Draft EA document, for example sections 5 and 6, the mitigation concepts and avoidance measures provided within the EA address questions and issues raised by stakeholders. For example:* • *Terrestrial vegetation and wildlife: siting of the access road and transmission line along the existing Red Pine Road reduces the net effect of the Project on vegetation and wildlife by not creating additional fragmentation of the terrestrial environment.* • *Aquatic Habitat: the run-of-river nature of the facility, coupled with the headpond level control mode of operation of the facility, significantly reduces the potential for effects on the aquatic environment by minimizing the effect on downstream flows and upstream headpond level fluctuations. Through these design considerations, disturbance to downstream habitats is significantly reduced, and upstream erosion potential is addressed. Additionally, the inclusion of the fisheries mitigation and compensation measures outlined in Draft EA Appendix G5 provides additional fisheries benefits associated with the Project.* • *Economic Benefits to the Local Community: Through Canadian Hydro's consistent preference for local hiring and suppliers, the potential economic benefits to the local community are maximized throughout the life of the Project, and most significantly during the construction phase. This commitment to local hiring and supplies has been recognized by the local business community (Draft EA Appendix E9).* • *Recreation: As discussed in the Draft EA, for example Figure A-4, YFP has included boating launch facility and a portage route in the design of the facility, as well as the commitment to engage the Town of Smooth Rock Falls to identify potential additional recreational benefits that can be gained in association with the Project. The comments and statements related to recreation received from the Friends of the Mattagami River have been included in the Draft EA (e.g., Appendix E), and comments received from the Friends of the Mattagami River on the Draft EA will be included in the Final EA.* 2.Vol.1 E4. Under conclusion it discusses the impact of this project strictly to Island Falls.Being an environmental assessment the impact of the headpond to all areas above the proposed dam has to be documented.We expect that the impact to Yellow Falls,Davis Rapids an Loon Falls be recorded in the final E.A. Please inform us on how you attend to address this? *Response: The statement referenced above specifically refers to use of Island Falls itself (i.e., the physical footprint of the dam) for recreational activity. However, based upon your comment for the Final EA, we will expand on this to reflect the aesthetic alterations within the headpond (e.g., deeper water conditions).* 3.Vol.1 PG.3. Would it be possible to have your definition of environment..which reads natural,physical,biological,agricultural,socio-economic,historical and archaeological components documented just below1.O introduction..in the final report?	

No.	Name	Source	Date	Content	Response Date	Response	Where Addressed in EA
						Response: Our definition of environment is as you've extracted from footnote 1 in the Draft EA. This definition of environment will also appear in the Final Report. 4.Vol.1 PG.3. Under ICF consulting 2005 it estimates that the average home uses 11 MWh. per year..yet in previous presentations Y.F.P. basis it on the average home using 7.2 MWh..Why is that? You have also stated in the E.A. an estimate of 87,000MWh. per year..yet at presentations it was said to be 93,000MWh. Could you please clarify? *Response: The generation and household information is provided by YFP to aid stakeholders in conceptualizing the contribution of the Project to the renewable energy supply in Ontario. As we have discussed previously, and as discussed during previous presentations, these values are estimates based on trends and averages. I will attempt to provide some clarity below.* *Annual Generation: The Project's annual generation is dependent on river flows. These river flows change from year-to-year, as well as seasonally. For example, the maximum annual potential generation based on historical flow records is estimated at 123.2 GWh (i.e. a wet year with high flows) . The minimum annual potential generation is estimated at 64.2 GWh (i.e. a dry year with low flows) . As the Project is refined (ex. Detailed topographic surveys, powerhouse construction/elevation details) these estimates are continually refined.* *In addition to variations associated with river flow and project design, estimates are made regarding line loss (power lost as it is transmitted through the transmission line) and equipment efficiency. These estimates are not finalized until the final equipment bids have been accepted, and ultimately, these estimates are calibrated during operation of the facility (i.e. compare estimated generation and efficiency to the actual plant performance).* *Household Electrical Requirements: As was also discussed before, household electrical requirements vary geographically, seasonally, and year-to-year (ex. In a year with a very hot summer, per household energy consumption is increased). Any changes in household consumption will affect the calculation of houses powered by the Project.* *As a result of your excellent question, we will provide additional clarification and supporting information on this aspect in the Final EA. Thank-you for pointing this out.* 5.Vol.1 PG.7. Project Purpose number 3 could you please explain the long term benefits and continued economical growth for the community of Smooth Rock Falls or any other surronding communities? *Response: As outlined in Draft EA Appendix K, as well as Draft EA Section 6.8, it is expected that the proposed Project will result in an estimated 55 direct (on-site) jobs as well as 134 indirect or induced jobs. As discussed above and in the Draft EA, Canadian Hydro has a long-standing commitment to the utilization of local labour and suppliers for our Projects when these local goods, services, and labour are available in sufficient quality and quantity and at competitive prices. This commitment will be maintained for the Island Falls Hydroelectric Project. As a result, there are significant potential economic benefits associated with direct (on-site) employment and indirect/induced employment as a result of increased demand for services within Smooth Rock and the surrounding area.* 6.Vol.1 PG.10. Under project disadvantages could you please include in the final E.A. that it removes all potential for economical developement,tourism,educational programs,swift water instruction for canoeing, kayaking at Island Falls,Yellow Falls,Davis Rapidsand Loon falls. *Response: Your comment related to the effect on recreational use of the area is duly noted and your comments will be included in the Final EA along with all of the input received from the Friends of the Mattagami River. It is recognized that the presence of the Project headpond will change the conditions on the river between Loon Rapids and Island Falls to a more lake-like environment. However, as stated in the Draft EA Sections 6.8 and 7, the construction and operation of the Project will significantly improve the accessibility of the river to recreational users from Smooth Rock Falls. It is anticipated that this improved access will facilitate increased recreational use of the area by the local community. It is noted that the headpond associated with the Smooth Rock Falls*		

No.	Name	Source	Date	Content	Response Date	Response	Where Addressed in EA
						Generating Station, within which the community dock is located, is highly used by boaters from the local community. We look forward to working with the Town of Smooth Rock Falls during our upcoming workshop to identify additional recreational benefits that can be realized in association with the Project. 7. To what extent is the D.F.O. invoved at the moment? Do they also review the final E.A.?Besides the M.N.R.,M.O.E. do they also have to approve the final E.A. before the project can be approved? *Response: The DFO has been actively involved in the Project from the outset. The DFO and the MNR were actively involved in the development of the aquatic field program for the Project prior to its implementation. The DFO is also reviewing this Draft EA and it is anticipated that they will be providing comments.* *The Project will require an authorization from the DFO prior to proceeding with construction, and a Screening Determination (or similar) is required under the Canadian Environmental Assessment Act. At this time, DFO is a Responsible Authority (i.e., lead agency) on the federal EA review. The role of federal agencies in the Project through the Canadian Environmental Assessment Act is described in Draft EA Section 1.11.4.* Best Regards Rick an Friends of the Mattagami River	
15.	Rick Isaacson (Friends of the Mattagami)	Email	12/11/2007 4:23 PM	Good afternoon Scott..Questions and concerns(Draft E.A.) 1. Vol.1 PG.25 2.2.3 Since 1987 to 2005 due to design evolution the project concept has went from a 11M.W. facility to a 20 M.W.So it is possible that the output can increase by 90% in the next 15 to 20 years if the government were prepared to wait? 2. Vol.1 PG.31 2.3.8 For clarification purposes.. on maps and locally the site at Loon has always been known as Loon Falls and not Loon rapids? Is it possible that this area in extreme conditions will also be flooded over? 3Vol.1 PG.38 2.3 It seems that with every presentation that the estimated labour requirements in man hours continue to rise.Could you clarify this and also the total cost of the project.. keeping in mind that orginally it was estimated at 55 million? 4.Vol. 1 PG. 42 On your table 2.7 it states the average energy production monthly is 7.08 MWh. but previously it states the dam would average around 10 MWh.Could you please clarify this? 5.Vol.1 PG.54 4.1 We see that Stantec comments that under rare threatened species that there would be no effect. Doesnt the sturgeon fall under that catergory? Then are we to beleive that this project will have no impact on them? 6.Vol.1 Pg.55 4.5 Could you list the alterations to environmental conditions in the head pond and include it in the final E.A.? 7. Vol.1 Pg.55 1.4.5 The Island falls section of the Mattagami river consisting of 3 falls and 2 sets of rapids sitting in the heart of this provincial canoe route (perfect candidate for a future park) has to be listed under concern. To have it listed in the final E.A. under no effect would be totally unacceptable? 8. Vol.1 PG.57 6.25 It states that local people would be used whenever possible to decommission.What would that involve exactly? Length of this procedure? Best Regards Rick an Friends of the Mattagami River:	12/13/2007 12:56 PM	Hello Rick, I hope all is well. It was nice to speak with you in Timmins last month. I have provided a response after each of your questions below. Thank you for your comments on this Draft EA, and please feel free to contact me directly if you have any further questions. Best Regards, Scott Scott Hossie Good afternoon Scott..Questions and concerns(Draft E.A.) 1. Vol.1 PG.25 2.2.3 Since 1987 to 2005 due to design evolution the project concept has went from a 11M.W. facility to a 20 M.W.So it is possible that the output can increase by 90% in the next 15 to 20 years if the government were prepared to wait? *Response: The changes in the capacity of the facility is the result of design revisions and optimizations undertaken over the 20 years that the Project has been under development. The current design maximizes the annual generation from the facility, thus making most efficient use of the resource, including the annual spring high flows. The capacity of the facility cannot be significantly increased economically beyond the proposed 20 MW.* 2. Vol.1 PG.31 2.3.8 For clarification purposes.. on maps and locally the site at Loon has always been known as Loon Falls and not Loon rapids? Is it possible that this area in extreme conditions will also be flooded over? *Response: As shown on Figure A-5 of the Draft EA, the proposed normal operating level of the facility (244.0 m above sea level) corresponds with the water elevation at the top of Loon Rapids/Loon Falls. During extreme conditions, water levels within the river as a whole will be higher. Our facility is designed to the 1:10,000 year flood event.* 3Vol.1 PG.38 2.3 It seems that with every presentation that the estimated labour requirements in man hours continue to rise.Could you clarify this and also the total cost of the project.. keeping in mind that orginally it was	S-2.4.2

No.	Name	Source	Date	Content	Response Date	Response	Where Addressed in EA
						estimated at 55 million? *Response: The total person-hours required for construction is constantly being refined as Project details become known. Estimated labour requirements are currently higher than originally anticipated. Similarly, as the Project moves forward, detailed site conditions become clearer and thus materials and construction requirements are confirmed. As a consequence, the total Project cost and the total person-hour requirements are refined. As always, we will continue to keep stakeholders informed of the construction aspects of the Project, including the total anticipated investment and labour requirements.* *As described in Appendix K of the EA (Island Falls Hydroelectric Project Economic Benefits Assessment), the total Project Cost (excluding escalation and contingency costs) is approximately $63,031,275. Total cost, including contingency etc. is approximately $72,000,000.* 4.Vol. 1 PG. 42 On your table 2.7 it states the average energy production monthly is 7.08 MWh. but previously it states the dam would average around 10 MWh.Could you please clarify this? *Response: Thank you for bringing this to may attention. The numbers themselves are correct, however the title of the second column in Table 2.7 should be 'Average Energy Production (GWh)'. The average power of 10.15 MW is the average annual capacity of the plant. Again, this is an average. During the spring high flows, that plant is running at maximum capacity (20 MW). This Power is a function of available river flow and head, less any hydraulic losses and the efficiency of the turbine.* *The energy production is an estimate of the average amount of electricity (measured in MWh or GWh) actually sold from the plant (second column of the table), and accounts for estimated line losses and estimated downtime. These analyses are continually refined as Project development moves forward.* 5.Vol.1 PG.54 4.1 We see that Stantec comments that under rare threatened species that there would be no effect. Doesnt the sturgeon fall under that catergory? Then are we to beleive that this project will have no impact on them? *Response: Section 4.1 of the Integrated Screening Checklist refers to terrestrial (on land) wildlife. The potential effects on fish are identified on the next page of the table (Section 5.1 of the Table). For clarification, the Screening Table in Section 3 of the EA is intended to identify, or 'screen' the potential for effects on various aspects of the environment. The actual assessment of effects, mitigation measures, and net effects are identified in Section 6.0 of the Draft EA.* 6.Vol.1 Pg.55 4.5 Could you list the alterations to environmental conditions in the head pond and include it in the final E.A.? *Response: As discussed in the response to your previous question, the Integrated Screening Checklist in Section 3 does not assess net effects, but rather identifies the potential for effects. Section 6.0 assesses this potential, identifies effects, prescribes mitigation where warranted and determines the net effect (effect remaining after mitigation/avoidance measures are put in place). Thus, full description of the headpond conditions, potential effects, and net effects are provided in Section 6.0 of the Draft EA. More specifically, Section 6.2 and 6.5 contain the assessment of potential effects on water resources and the Aquatic Environment.* 7. Vol.1 Pg.55 1.4.5 The Island falls section of the Mattagami river consisting of 3 falls and 2 sets of rapids sitting in the heart of this provincial canoe route (perfect candidate for a future park) has to be listed under concern. To have it listed in the final E.A. under no effect would be totally unacceptable? *Response: The Integrated Screening Checklist is constructed based on specific criteria specified by the Ministry of Natural Resources (Waterpower Program Guidelines) and the Ministry of the Environment (Environmental Screening Process). Section 1.4.5 of the Integrated Resource Management Checklist under the MNR's*		

No.	Name	Source	Date	Content	Response Date	Response	Where Addressed in EA
						Waterpower Program Guidelines specifically requires that the potential for effects on provincial of federal parks be assessed. It is this requirement that this section of the Checklist addresses. The Project is not located within a provincial or federal park, therefore 'No Effect' has been indicated. 8. Vol.1 PG.57 6.25 It states that local people would be used whenever possible to decommission.What would that involve exactly? Length of this procedure? *Response: Decommissioning, if undertaken, would involve the removal of the infrastructure associated with the Project. The duration of any decommissioning activity would be comparable to the time required for construction, however specific decommissioning requirements would be based on regulations in-place at the time of decommissioning. As you are aware, hydroelectric facilities are highly efficient, and have a long generation lifespan (often exceeding 100 years). More commonly, these facilities are not decommissioned, but rather refurbished (as is the case with the Lower Sturgeon and other OPG facilities), and continue to produce renewable electricity for future generations.* Best Regards Rick an Friends of the Mattagami River:	
16.	Wayne McGee (Friends of the Mattagami)	Email	12/12/2007 3:25 PM	Good afternoon Scott I keep reading in the EA over and over again about the all the mitigation and protection measures your company and hired contractors will take during the construction phase and operation of the New proposed Hydro facility.Such as All machines will be kept in top mechanical condition including engines and exhaust systems.No idling vehicules will be allowed during construction operation and maintenance.Low sulphur diesel or biodiesel will be used...Local suppliers will be used to minimize the distance goods and materials travel on roads.Silt matts installed everywhere there might be erosion or in case of and the list goes on.Lets be realistic.Who will be checking all this??? Please tell me???Is he also hired by your company??? My comment and question. During the bedrock drilling stage:...The drilling rig had to be transported across the river to access the east bank along with a backhoe,I won't mention all the ugly things I saw but I will say this. The hill and bank were stripped of its top soil and roots so that transportaion of the drilling rig could be made and tests conducted.Silt mesh was installed..Don't ask where the installation procedure came from.Was it effective NO..The first fall storm sagged the silt screen so badly mud and clay were flowing over top into the river gallons after gallons.This went on for several weeks That steep hill was left completely exposed and I'm not sure why No one has returned to look. It was Friends of the Mattagami River in conjunction with the local Hunters and Anglers who brought by boat two 50 lbs bags of appropriate seed acquired from the MNR and planted that entire hill.We tried raising the silt screens the best we could with no avail .If we would of had the appropriate material and a bit of funding I can assure you it would of been properly done without instructions...Within 2 weeks all was green and the silt had settled. When the snow melts I would suggest that you personally go and have a look at how your protection measures are being applied. Also you will see 1st hand how well the seed has taken. My concern is: If this is the type of protection measure you stand behind I would expect The MNR or MOE office to address this negligence immediately. My question is How in the world can you reassure this community this will never happen again?? and will you reimburse the Hunters and Anglers for the expenses incurred to correct that exposed hill. Regards Wayne Friends of the Mattagami River	12/14/2007 5:06 PM	Hello Wayne, As you have noted, the Draft EA outlines extensive mitigation and protection measures that have been incorporated into the Project design and the construction techniques. These mitigation measures are characteristic of large construction projects, especially those in the vicinity of waterways. Section 8.0 of the Draft EA outlines the various safeguards that will be in place during construction and operation of the Project. The management structure during construction is outlined in Draft EA Section 8.2. Specific management plans are outlined in Draft EA Section 8.3. During construction of the Project, the construction contractors will be the parties responsible for implementation of the mitigation measures that are prescribed within the EA. Through their on-site construction manager, YFP will be conducting reviews of the mitigation measures employed by the contractors to ensure their performance and compliance with environmental protection requirements. The MNR, DFO and other agencies are also anticipated to be conducting inspections of the construction activities. I cannot comment on agency protocols for inspection frequency, but they may be able to provide that information directly to you. We share your concern about soil erosion and in the spirit of being good environmental stewards and good neighbours, we are prepared to reimburse you and your colleagues for the cost of the seed. Please send your receipt and we will provide you with a cheque. Best Regards, Scott	N/A
17.	Wayne McGee (Friends of the Mattagami)	Email	12/13/2007 11:38 AM	Good morning Scott A report from the Ontario Auditor General, Jim McCarter at a news conference made this statement "Sun Media" also the Timmins Press Dec 12 2007. "Overall,the Ministry lacks the information needed to protect critical habitat for endangered plants, animal, and fish...About 75 fish, wildlife and plant species are either facing imminent extinction or may no longer be found in Ontario." The question I have is this.If our ministry lacks the information to protect critical habitat. How in the world can you justify to our community and Ontarians that YFP and Stantec will be doing everything possible to minimize the impact and if there was a case where plants fish or wildlife were facing imminent extinction in our area would you truthfully bring it forth????	12/14/2007 8:46 AM	Hello Wayne, I trust all is well! I have reviewed the newspaper article to which you are referring. As you are aware, hydroelectric development in Ontario is required to undertake an environmental screening under the Electricity Projects Regulation (O.Reg 116/01) prior to development. Under the environmental screening process, and as documented in the Draft EA, YFP has undertaken detailed in-field studies as part of the Project's development. These studies have included extensive aquatic assessments (Draft EA – Appendix G), and terrestrial and wildlife resources (Draft EA – Appendix H), as well as archaeological investigations (Draft EA – Appendix I). These detailed studies were developed in consultation with the Ministry of Natural Resources and the	N/A

No.	Name	Source	Date	Content	Response Date	Response	Where Addressed in EA
				Oh How I wish I had that knowledge!!! My Best Regards Wayne Friends of the Mattagami River		Department of Fisheries and Oceans to ensure that the key information, such as, but not limited to critical habitat and endangered species is known. The information obtained through these studies will be reviewed and commented upon by the MNR, DFO, and other government agencies prior to approval for Project construction. Again, to be clear, YFP and Stantec implemented detailed in-field investigations that were developed with the appropriate agencies to ensure that the information required by these agencies regarding the Project is available for their review and consideration. I trust that this information addresses your comment. As always, please feel free to contact me directly if you have any further questions. Best Regards, Scott	
18.	Wayne McGee (Friends of the Mattagami)	Email	12/15/2007 10:27 AM	Thanks for your replies Q1 The question asked was It is true that this group was told it was a done deal and the project is going forward and that you may as well take the money or you will loose it????. What our group wants to know is a Yes or No? Q2 I'm O.K. with that... Q3 This project will flood back every rapid and Falls left on this section of river.The main reason why a canoer and Kayaker go to these places for the excitement and why our residents go up there for the natural beauty of Falls and rapids where the walleye love to live. To put a portage trail would be a waste of time.You will have flooded everything worth seeing. Furthermore the road maintenance/expenditures, bridge building, the boat launch etc. are all your neccesities that your company require and cannot do without during the construction phase, as well as the operation phase. Please do not make it sound like your providing something special for this community... I think this community will be providing your company with more of a service than you will be to it. I don't accept the answer given for question 3 . My Best Regards Wayne	12/17/2007 9:29 AM	Hello Wayne, I hope you had a great weekend! We received quite a bit of snow here. Q1 – As is currently the case, YFP has always been confident that the Project represents a wise use of the renewable hydroelectric resources available at Island Falls. However the development of any hydroelectric project is subject to obtaining the appropriate permits and approvals. YFP has always maintained our confidence in the Project, while being clear that the appropriate approvals are required prior to construction. For added clarity, Arctic Riders and YFP met to discuss our Project, as well as their activities. Due to the proximity of the Red Pine Road (our planned access road) to the snowmobile trail, the Arctic Riders wanted to discuss the potential for effects on their operations. During our discussions, the Arctic Riders showed YFP the location of the new trail they were already working on. This trail, located on the east side of the Mattagami River, was being developed to avoid having to construct the ice bridge over the Mattagami every year, a very labour intensive exercise. The development of the trail was underway, however one section was not yet cleared. It was realized that completion of this trail would address potential concerns associated with construction and snowmobile traffic on the west side of the Mattagami River. The Arctic Riders estimated the cost for completion of the trail, and YFP agreed to provide these funds to the Arctic Riders to complete their trail. This solution, agreed to in the MOU between the Arctic Riders and YFP, represents a sound mitigation measure to address potential concerns associated with construction and snowmobile traffic. Further, this agreement allowed for completion of these planned improvements (i.e. the new trail that was already under development) to the local recreational snowmobiling infrastructure. Q3 – The bridge and road improvements are certainly required for construction of the facility, I believe that is quite clear. Fortunately, this infrastructure, which represents a significant investment, will remain in place for the use of the local community. The construction and maintenance of the portage route is for ongoing use by river-goers, and is specifically included for canoers and river users. YFP anticipates that the improved access will increase recreational use of the area. Your thoughts related to the changes to the river and effects on its use are noted. I trust that the information provided above addresses your comments. If you have any further questions, feel free to contact me. Best Regards, Scott	N/A
19.	Wayne McGee (Friends of the Mattagami)	Email	12/17/2007 1:10 PM	Good morning Scott I have a concern regarding the section of river that will be flooded.Above Island Falls the banks are extremely steep and in many areas the top soil along with roots have naturally broken away from the land mass exposing the silt and clay as we speak .Large machines will be used to harvest the wood along these banks to add to the damage.Also once the headpond is filled you can imagine the erosion that will continue to take place for decades hidden underwater forever.Through numerous conversations with Biologists and my own involvement with community projects I know what this silt does to fish habitat especially during the spawning period and how important clarity of the water is to the success of the spawning eggs.These are important factors to consider. I personally was involved in the construction of our public boat launch which is a drop in the bucket compared to what you will be doing.I can't tell you the rules and regulations we had to abide by. We had to wash rocks thoroughly before putting them in the water.None of the aquatic vegetation could be removed on the shoreline because of the millions of tiny	12/17/2007 4:18 PM	Good afternoon Wayne. As you have identified, the Mattagami River channel upstream of Island Falls is deep and quite defined. This river morphology is one of the attractive aspects of the Island Falls Hydroelectric Project. Because the channel is deep, the extent of inundation (i.e., the amount of land inundated due to increasing water levels) is significantly reduced relative to other locations with a shallow river valley. Clearing of the headpond will require that specific construction mitigation measures are in-place to minimize the potential for erosion and subsequent siltation of river substrates. Draft EA Section 6.4.1 provides a description	N/A

No.	Name	Source	Date	Content	Response Date	Response	Where Addressed in EA
				living organisms... Some cottage owners we know were fined for removing vegetation around personal docks. How can you say this is a project with minimal impact to the environment???? and it will be a good thing for our river. Our community would welcome wind and solar.Why is your company not doing this???? Please explain. The theme of this year's winter Olympics is the environment,The leading car companies like Toyota have all turned to Hybrid and continue to look for better alternatives .They as well are contributing and participating in programs to restore the environment.Al Gore Nobel prize winner for all his superb work has clearly identified the urgency to react.Do you not feel any responsibility in doing your share. With all the evidence we have today,it is truly beyond my comprehension why your company just continues to destroy when there are other options.Would you please explain that to us. Friends of the Mattagami River Regards Wayne		of the mitigation measures that will be implemented during construction to address the potential for erosion into watercourses, including the Mattagami River. As discussed in Draft EA Section 6.1.2, several factors mitigate the potential for erosion within the headpond during operation. Firstly, water velocities upstream of the dam will be reduced due to the presence of the headpond. The decreased water velocity will result in a reduction in the potential for erosion of the valley walls within the headpond. Erosive forces on shorelines within headponds are increased when headpond levels fluctuate, such as in peaking-type operations. Since the Island Falls Hydroelectric Project is run-of-river, and the headpond will not vary significantly in elevation as described in Draft EA Section 2.3, erosion potential is further reduced. As you have recognized, applicable regulations regarding construction activities in the vicinity of watercourses are numerous and very thorough in their protection of the environment from the potential effects of construction. As you are aware, the agencies responsible for enforcing these regulations (e.g., MOE, MNR, DFO) are reviewing the Draft EA in light of their regulatory mandates related to environmental protection. These agencies will be requiring that the Project is designed, constructed, and operated in accordance with the applicable regulations. We are pleased to hear that you believe your community would be receptive to wind and solar projects. Canadian Hydro, as you are aware, is one of Canada's premier independent producers of EcoLogo certified low impact renewable energy, across three renewable technologies: wind, water and biomass. At this time, we are not currently pursuing a wind or solar facility in the Smooth Rock Falls area, however if a suitable wind or solar resource was confirmed in the Smooth Rock Falls area, we would certainly be interested in discussing these projects with you as well. As you have identified, and as the core focus of Al Gore's documentary *An Inconvenient Truth*, there is certainly the need to react and address human-made greenhouse gas ("GHG") emissions. We too agree there are benefits to quickly reducing global GHG emissions. As a global community, we must all start making steps to reducing our global GHG emissions for the benefit of future generations, as well as our own. We need to start taking steps to removing our dependence on our finite fossil fuel resources, not only to reduce GHG emissions, but to also provide security to future generations. It is for these reasons that Canadian Hydro is focused exclusively on renewable energy. All of our plants are EcoLogo certified, or slated for certification under the program, meeting the most stringent environmental standards. Similarly, it is our intention that the Island Falls Hydroelectric Project will be EcoLogo certified, and will produce sustainable electrical power without the burning of fossil fuels and without the associated GHG emissions. At a time when concerns are being raised regarding the inconveniences, trade-offs, and economic effects of moving away from fossil fuels, Canadian Hydro is a working model for economically sound and environmentally responsible development of renewable energy. We are proud of our sustainable, long term contribution to future generations. Best Regards, Scott	
20.	Wayne McGee (Friends of the Mattagami)	Email	12/17/2007 1:42 PM	Good Afternoon Scott Page 172 6.4 4.2 You mention the effects on wildlife are expected to be minimal and considerably less than effects associated with historic and ongoing logging activities in the area. 1- 2 wrongs don't make a right. 2- Where are you getting the negative information related to the logging companies.I would like to know the firm??? Who provided this information???? and who has told you the loggers were considerably worst than your company????. 3- Your company will be using the same loggers in an extremely sensitive and critical area along the edge of the Mattagami River for some 25 kilometers of shoreline.Does'nt get more critical than that. 4- Rather than point fingers I would like to suggest that you admit this will be an environmental ,social, disaster and its because its the cheapest way but certainly not the best way when it comes to the environment or making good friends and working relationships with this community.If its different than this will you please clarify?????? Regards Wayne Friends of the Mattagami River	12/17/2007 4:47 PM	Good Afternoon Wayne, I trust all is well. Thanks you for your comment. YFP is aware that the forestry industry operates under strict environmental standards, and are strong environmental stewards. This statement is not a reference to the performance of logging companies or the environmental measures they employ. As you will note, these statement is in reference to effects on 'wildlife'; terrestrial species (i.e. does not include fish) who often rely on the forested environment for habitat. The discussion within Draft EA Section 6.4.4 focuses on the potential for effects on wildlife due to tree clearing associated with the Project. This section discusses the potential effects of tree removal, not specifically the methods used to remove the trees. As outlined in the Draft EA, the Project design minimizes the amount of forest clearing required, and minimizes the amount of incremental forest fragmentation by using existing roads and trails for construction and operation. Thus, the potential for effects on forest-dwelling species due to tree removal is reduced.	S-6.4.4.2

No.	Name	Source	Date	Content	Response Date	Response	Where Addressed in EA
						The number of trees removed as a result of the Project are less than the amount removed in the surrounding area during logging operations, therefore, the effects of tree removal on wildlife is anticipated to be higher with logging operations than with the proposed Project. For ensure clarity, we will revisit the wording of this statement in the Final EA to ensure there are no misinterpretations. Thanks again for your comment. Scott Hossie	
21.	Wayne McGee (Friends of the Mattagami)	Email	12/17/2007 2:08 PM	Good afternoon Scott Throughout this entire Environmental Assessment process The Friends of the Mattagami River have gained a lot of popularity in the area, because of their convictions, and work they are doing pertaining to the environment and opposition to the Yellow Falls Power Project, through many media interviews and television newscasts.We have taken initiatives and full responsibility to try and address the many concerns this communities citizens, and surrounding area may have.Many people have been bringing their questions and concerns to us for many reasons,lack of computer skills,shyness,not comfortable in speacking english,lost the address etc.etc. Our computers have become the link between Yellow Falls Power and most of this community. I would expect that every one of the questions,comments or any documentation or pictures be included in the Final EA. to properly reflect all that is said. Can you please confirm that this will happen?????. Thank you Wayne Friends of the Mattagami River	12/17/2007 4:49 PM	Hello Wayne, As discussed previously, any correspondence received from stakeholders during this Draft EA review and comment period will be included in the Final EA. Best Regards, Scott	App-E9
22.	Rick Isaacson (Friends of the Mattagami)	Email	12/17/2007 10:56 AM	Good Morning Scott..a few more questions and concerns on the E.A. 1.Vol.1PG.57 62.8 Stantec has pointed out that for local businesses this project will be a benefit? There is at least two registered businesses North Spirit Adventure and Howling Wolf Guide Services that this project would have a severe negative effect! Both businesses are relying on the Island Falls,Yellow Falls,Loon Falls, Davis Rapids section for tourism,outfitting,instructional and educational programs.This has to be documented in your final E.A.under concerns! 2.Vol.1 PG.59 1.13 Under tourism its mentioned that tourist establishments will not be affected. It will definitly cripple two newly established businesses Howling Wolf Guide Services and North spirit Adventure.Both are relying on Island Falls, Yellow Falls, Loon Falls,Davis Rapids as there number one package for tourism.This has to be documented in the final E.A. under concerns! Long term the Island Falls project will damage local businesses,motels,restaurants,gas stations due to the fact tourists will not be coming into this community to enjoy this pristine section of river.. consisting of falls and rapids in its natural state.Therefore under Tourism this has to also be listed under major concern! 3.Vol.1 PG.59 1.2.3 Under canoe routes and portages stantec has listed the Island Falls project as a benefit for canoeists because it eliminates two portages. Scott this is just pathetic to try to slip this in as a benefit under canoe routes.Being an avid canoeist I have to say destroying Fallsand rapids is alarming to say the least. The reason people canoe and kayak are because of falls ,rapids and nature. Must we remind stantec that the Mattagami River is a Provincial canoe route and it wasnt designated as such because of eight existing dam facilities. The only portage canoeists and kayakers dont like.. are the ones around power dams. This has to be listed under canoe routes,portages as a concern.. not a benefit! At the moment west side of Loon falls 80 meter portage Yellow falls 100 meter portage and Island falls a simple lift over 50 meters. A total of 230 meters.Could you please tell us the total length of your portage at the proposed Island falls electrical facility? 4.Vol.1PG.60 1.2.10 To say that this dam will have no effect on the possibility of one of the last untouched sections of falls and rapids not being a prime candidate for a future park is unacceptable.The river is already a Provincial canoe route and due to its potential it would be a perfect candidate for a park. Therefore it has to be listed under concern..not under no effect like its listed. 5.Vol.1PG.61 1.4.8 We disagree that this project benefits our community long term. Any benefits will strictly be short term and it removes opportunities of tourism,outfitting,canoeing,kayak instruction,educational programs. As in any solid community.. security is in long term investment not short term. This has to be tabled under concern in the final E.A. 6.Vol.1PG.61 6.21 Under lifestyles.. its an insult to suggest it will benefit our lifestyle for cottagers an residents. It will impact the fish habitat,removes the natural beauty,prevents naturalists,recreationalists,canoeists,kayakers enjoying campsites above and below falls.. going down rapids.These are the reasons the people have chosen to live here and take part in those activities.The Island Falls project greatly reduces the lifestyle of our residents and must be recorded under concern! 7. Vol.1PG.62 7.3 Could you please explain the short term and long term benefits on the traditional area of first nations?	12/21/2007 11:38 AM	Hello Rick, I hope you are all ready for an enjoyable holiday season! Thanks for your comments below. As a first step, could you please forward me any information, or contact names and numbers that you have for the companies that you have described? To-date we have not received any comments from these individuals, and they are not on the MNR's list of permit holders and businesses in the area. If I can understand these businesses and their activities more fully, I will be more able to provide a full and complete response to your recreation/tourism oriented comments below. I look forward to receiving this additional information, if you have any further questions or comments, please feel free to contact me. Best Regards, and I wish you and your family a Merry Christmas and a Happy New Year. Scott	S-6.8.5

No.	Name	Source	Date	Content	Response Date	Response	Where Addressed in EA
				Best Regards: Rick and FRIENDS OF THE MATTAGAMI RIVER			
23.	Wayne McGee (Friends of the Mattagami)	Email	12/18/2007 12:13 PM	Scott What you have not taken in consideration is the shallow area across the river.We actually walk from one side of the river to the other in all 3 areas A B and C indicating the shallows < 3 ft that contribute to tremendous square footage the bald eagle has to hunt from. I invite you to look at any one of your topographical pictures.If you look closely you will see the bottom everywhere around the Davis rapids area and the section directly below Yellow Falls to Island Falls. Better yet take the filming of the helicopter survey you have provided us and you will see why the bald eagle is so interested in that area. As I have mentionned there is no one that runs up that river more than me.I have given you my truthful observations.The bald eagle hunts that area day after day. As for the actual square footage < 3 feet that this section provides. I can assure you that it will be reduced substantially with the inundation of the headpond.Futhermore as I have mentionned and you as well have mentionned the banks are very steep causing a further decrease of shoreline along the way.I would like to see how you arrived to this conclusion.Again it does'nt surprise me coming from a proponent driven EA process.I would trust the MNR would comment on this as well.I would also be willing to travel up there this spring at no charge in my own boat and will assume all expenses and discuss that matter with you. That bald eagles family's only defence is ***The Friends of the Mattagami River.*** If he could speak he would tell you what that section of river means to his family and to change that would mean having to move his family elsewhere.We won't let that happen unless you come up with a proper resolution. The present one is unacceptable..... Best Regards Wayne ***Friends of the Mattagami River***	12/20/2007 7:35 AM	Hello Wayne, Thanks for your additional comment below. For further clarity, I am providing the following additional information. In light of your comment, we will add this additional clarification to the Draft EA. As we have been discussing, shallows (littoral areas) are key feeding grounds for the Bald Eagle. These areas are used not only for foraging for fish, which makes up a portion of the Bald Eagle's diet, but it also provides other sources of food that make up their diet, including waterfowl, turtles and amphibians. The importance of the littoral areas is not directly due to their water depth (depth to river bottom) but the variety of prey sources that exist in the shallows at this land-water interface. The food sources obtained from the littoral and aquatic environments is in addition to small animals that are hunted on land, as well as carrion. The Bald Eagle's food sources are obtained from extremely large feeding areas that can vary from 1,700 to 10,000 acres, with variable landforms (e.g. streams, lakes, land, etc.). Bald Eagle foraging areas are known to include estuaries, large lakes, reservoirs and larger rivers. For further clarification on water depth, Bald Eagles hunt for prey within the top meter of water (i.e. fish have to be near the surface for them to successfully clasp the fish with their talons), regardless of the depth to the river or lake bottom. Consequently, the top meter of any water surface is a potential foraging area for the Bald Eagle. As discussed previously, the headpond will increase the surface area of the river. As a consequence, the available feeding area for the Bald Eagle is similarly increased. As was also discussed below, the littoral area will increase as a result of the Project due to the additional inundated area associated with the headpond. For clarity, my previous correspondence was not intended to indicate that the amount of shoreline is reduced relative to current conditions, but rather, that the extent of inundation is minimized by selecting a location with a deep and defined river valley (i.e. if the Project was developed on a site with a shallow river valley, a larger headpond would result). The amount of littoral area in the reach of the river occupied by the headpond will increase by 17% (Draft EA Section 6.2). I trust that the information provided above provides some clarification. As mentioned above, we will provide this additional clarification to the EA as a result of your comment. Thanks again for your continued contributions to the Draft EA. Best Regards, Scott	S-6.4.4 S-6.4.7
24.	Wayne McGee (Friends of the Mattagami)	Email	12/18/2007 12:18 PM	Good afternoon Scott page 175 6.4 7.1 Regarding the Bald Eagle and its listing of being a species of special concern by the Committee on the Status of Species at Risk in Ontario (COSSARO).The preffered breeding habitat for Bald eagles is adjacent or relatively close to relatively clear and shallow(<1m) water bodies with productive fish populations. We only have 1 bald eagle in and around our area that we are so proud of having.I have included some pictures of that very nest in question that I would like to add in the EA You noted in that same paragraph that the bald eagle was observed passing through the study area, and that the inundation will provide an increase in potential habitat and it is unlikely that the project will affect this species. For your information the nest is at the mouth of the Muskego River and closely watched but not harrassed by many people in this community. During the nesting season the female or the male attends the nest while the other goes hunting until the eggs are hatched. You can look it up on the internet where they hunt and you will find that they hunt in areas where clear and shallow water prevails.You know that anyway..... Well there is only one last place left that we are trying to save on the Mattagami river that can provide such an area. The entire area you are about to flood is where this poor bird hunts for his family .He spends his day going up and down that entire stretch and rarely comes back with nothing.I have observed that bird more than anyone else in this community and can confirm to you that its the shallows and the clarity of the water right across the entire river that attracts him there.	12/18/2007 10:30 AM	Hello Wayne, I trust all is well! Thank-you for your comment on the Bald Eagle nest. As you have noted, the nest is located approximately 12km downstream of the Island Falls Hydroelectric Project. The nest is located along the shore of the existing headpond associated with the Smooth Rock Falls Generating Station. This nesting location is consistent with their known preference for shoreline nesting habitat next to open areas that provide good visibility and flight lines to the nest. Field biologists working in the field as part of the Project did note the eagles flying within the Study Area, including the Mattagami River and the North Muskego river systems. This is consistent with the very large territories used by individual eagles. As identified in the EA (Draft EA Section 6.4.7) and confirmed in your email below, Bald Eagles utilize shallows, such as shorelines, for foraging (fishing) purposes. As you have noted, the water elevation will be increased within the headpond area as a result of the Project. However, and as noted in Draft EA Section 6.4.7, this increase in water elevation will increase the amount of shoreline, and also, the amount of littoral area (i.e. shallows). As a result, the amount of area that is suitable for foraging and the amount of high visibility shoreline area available for nesting by the Bald Eagles is increased as a result of the Project. I trust that this additional information assists in your review of the Draft EA. Please feel free to contact me directly if you have any further questions or comments.	S-6.4.4 S-6.4.7

No.	Name	Source	Date	Content	Response Date	Response	Where Addressed in EA
				My question is this. If the bald eagle likes to hunt in clear shallow water tell me how raising the level by 50 feet will make it easier and better??? I would also demand that someone from the MNR office gets involved with our concern and get proper consultation and opinions before its to late.You can be sure this will be be tabled again and we don't accept your answer on that. Regards Wayne *Friends of the Mattagami River*		Best Regards, Scott	
25.	Wayne McGee (Friends of the Mattagami)	Email	12/18/2007 12:35 PM	Dear Scott I would agree that Wind and Solar deserve an Ecologo certification and I would be the first to help promote these two methods in our community and it would also be fair to say "We would be proud to be first in our area" with a true Ecologo certified method. I would hope that your company could find some way to implement these methods here in Smooth Rock Falls even if it means making a little less.What a great compromise and commitment on your companies part that would be, to show you truly do respect the environment and the feelings, needs, and heritage of our northern communities.... *The Friends of the Mattagami River* have spent almost 3 years working on this project and have brought awareness in the North as to the true repercussions of such a project with very little in return.We have had numerous meetings with the different agencies, many presentations in our community in which you were involved, and had more than your share of opportunities to convince this community your Hydroelectric Project deserves an ecologo certification and deserves the right to be built in Smooth Rock Falls.The fact of the matter is this.It upsets this community that we have to go to these extremes to tell Yellow Falls Power and all the associated Government agencies that the Island Falls Hydro electric project is not well received in Smooth Rock Falls. 1- The negative feedback received from Stake holders for EA inclusion alone would confirm that. 2-The majority of the people from this community have signed a petition in which you will receive for EA inclusion, To "Not support The Island Falls Hydroelectric Project." 3- At every one of the Open Houses you conducted.It was evident that the majority of the people were against.Even the MNR confirmed that to us after the meetings.The meeting outcome reported back to the MOE was indeed just that "People don't want the Island Falls Hydro electric Project in Smooth Rock Falls. 4- Shortly after your presentation in Smooth Rock Falls , Our now well informed municipal council voted and passed a resolution not to support the Yellow Falls Project in our community.They clearly see we are getting nothing in return for this wonderful resource we presently use.. 5- At the end of November you made a presentation to the Timmins City Council. Believe me this council did some homework. They understood clearly our situation for they find themselves also at a loss with the proposed Hydroelectric sight at High Falls on the Grassy River . They as well consulted agencies. and took in consideration the letter received from Chief Dwight Sutherland. *Last evening December 17th At 8:30 pm The Timmins City Council voted 6-2 and passed a resolution not to support the Yellow Falls Project.* The people of Smooth Rock Falls in conjunction with the People of Timmins want this last section of River left alone for the sake of recreation and tourism as the Crown Land Policy Atlas states as being the primary use. We have 8 other Power Dams on this river system that could be upgraded to produce an additional 414 megawatts of Power. Why in the world would you want to destroy something so beautiful and precious for a measily 8-10 megs of Power. Both communities want to develop this section to attract tourism and to provide a superb form of recreation that both communities need badly for there own sustainability. Are we being selfish NO! One out of eight sights is all that we ask and this is the last one. You have the technology! Wind, Solar,Biomass, Great alternatives and compromise.We would love to find a way for your company to meet its objectives and would be proud to say"We are the first in the area to promote a true ECOLOGO method . Kindest Regards Wayne for *Friends Of the Mattagami River*	12/20/2007 7:55 AM	Hello Wayne, I trust all is well! Thank you for your continued interest in the Island Falls Hydroelectric Project. Your interest in having a wind or solar facility in the Smooth Rock Falls Area is noted. As we have discussed before, all of Canadian Hydro Developers' existing facilities are either certified or slated for EcoLogo certification. The Island Falls Hydroelectric Project will also be certified. I have also received a copy of the Timmins Council resolution. We are disappointed with the decision rendered by the City of Timmins, however we do agree that existing hydroelectric facilities should be improved as necessary to maximize electrical production from existing facilities, concurrent with the development of new generation capacity. It should be recognized that to address current and future electrical needs, as well to increase the amount of renewable energy generation, Ontario is to achieve 15,700 MW of generation from renewable energy sources by 2025 (Ministry of Energy Directive). Currently, renewable generation capacity is only 8,258 MW. Consequently, moving forward now with the development of significant new generation is required in order to achieve our provincial objectives. The construction of new renewable energy generation facilities, in addition to the optimization of existing facilities will be required. Best Regards, Scott	N/A
26.	Wayne McGee (Friends of the Mattagami)	Email	12/18/2007 5:50 PM	Good evening Scott Has a copy of the EA been translated in French .We have had a few requests. Thanks Wayne	12/20/2007 10:43 AM	Hello Wayne, We have provided a French Project Summary document in the front of the Draft EA. This document provides a summary of the larger EA document, including the process, key findings, and conclusions. Additionally, French-speaking stakeholders that wish to submit comments, ask questions, or obtain further information are welcome	N/A

No.	Name	Source	Date	Content	Response Date	Response	Where Addressed in EA
						to submit their request/comments in French, and we will provide our response in French. Best Regards, Scott	
27.	Rick Isaacson (Friends of the Mattagami)	Email	12/21/2007 11:21 AM	Morning Scott..Hope all is well? I guess it was an eye opener to see E.A. extention? The truth of the matter is.. there is just too much material to go over before the Jan. 7th. deadline. It would have been close even if it wasnt the Xmass Holidays. But we lose 2 to 3 weeks because of it. I know Y.F.P. doesnt even have to even put forward a draft E.A. But I do think this will help everyone to reduce issues and concerns before the final E.A. I know that you want to make sure that there is nothing overlooked in the environment assessment and neither do we. Feb. 7th.would be nice but if you wish to extend it longer..by all means. Best Regards: Rick an Friends of the Mattagami River:	1/7/2008 3:51 PM	Hello Rick, Please find attached my email to Wayne earlier today regarding the Draft EA Review period. Best Regards, Scott *Note: see email dated 1/7/2008 2:23pm*	S-5.5.2.1
28.	Rick Isaacson (Howling Wolf Guide Services)	Email	1/6/2008 4:45 PM	Scott Hossie Yellow Falls Power: This letter is to inform all that are concerned that the business known as Howling Wolf Guide Services is completely opposed to the Island Falls hydro-electric project. This business based out of Smooth Rock Falls consists of canoe,kayak,whitewater instruction, wilderness trips plus educational programs. It targets the tourist industry plus the area for its revenue. Island falls,Yellow falls,Loon falls plus Davis rapids offer tremendous potential to run a very successfull business. To destroy these Falls and rapids will have a devasting effect on my business. The Island Falls hydro-project will destroy my business. This letter has to be included in the final E.A. Howling Wolf Guide Services is owned and operated by Rick Isaacson who can be reached at 1-705-338-2588. Howling Wolf Guide Services Rick Isaacson.		See response below - 1/8/2008 9:47 AM	N/A
29.	Rick Isaacson (Friends of the Mattagami)	Email	1/6/2008 4:24 PM	Scott Hossie Yellow Falls Power: This letter is to inform all that are concerned that the business known as Northern Spirit Adventure is completely opposed to the Island Falls hydro-electric project. This business based out of Smooth Rock Falls consists of canoeing with Voyager canoes,water instruction, wilderness trips, camping, plus educational programs. It targets the tourist industry plus the area for its revenue. Island falls,Yellow falls,Loon falls plus Davis rapids offer tremendous potential to run a very successfull business. To destroy these Falls and rapids will have a devasting effect on my business. The Island Falls hydro-project will destroy my business. This letter has to be included in the final E.A.Northern Spirit Adventure is owned and operated by Andre Bernier who can be reached at 1-705-338-1053. Northern Spirit Adventure Andre Bernier:			N/A
30.	Laurent Robichaud (Friends of the Mattagami)	Email	1-6-2008 10:04 PM	Hi Scott, I have always been a man of the last hour. The last hour has passed and now a new year has arrived. Hope you had a good holiday you and your family. I say last hour because I guess we have now reached the final day of comments on the Island Falls Environmental Assessment Draft. I have spent a few hours trying to understand all of the content in the overwhelming document. I must say I mainly concentrated on the aquatic and archeological portions of the report. On the subject of aquatic studies, the report is very thorough. The fact that you added another year to confirm the situation in area C tells me two things, one is the agencies must have put pressure to make sure or you have done it on your own which I honestly doubt you did. The fact that somehow you reached for Golder kind of leads me to think there is definitely some underlying reasons. The end results, which will always be questionable, points towards no presence of Lake Sturgeon in Area C. This has been since the beginning one of my platforms to stand against the dam development. In my mind I had to get full confirmation that there is no Lake Sturgeon spawning in the area within the proposed flooded zone.		Hello Larry, I hope that you and your family also had a wonderful holiday. Thank you for your comments. As you have noted, YFP, in discussions with the Ministry of Natural Resources (“MNR”) and Fisheries and Oceans Canada (“DFO”), did decide to complete another year of fisheries investigations. As you mentioned, the investigations are thorough, and the findings from the first year of aquatic field investigations (completed by Stantec) and the second year (completed by Golder) are consistent with each other. Thank you for providing your observations of the cooking stove at Yellow Falls. As noted in the Archaeological and Cultural Heritage Assessment Report (Draft EA Report, Appendix I) the entire headpond area from Island Falls to Loon Rapids was inspected by walking transects and by canoe. As is also noted in the same report, a temporary cabin site and an old wood stove was identified on the east bank of the Mattagami River at the bottom of Davis Rapids. A photo of the wood stove is provided on page 51 of the Archaeological and Cultural Heritage Assessment Report. I would be interested to know if this is the stove that you have observed.	N/A

No.	Name	Source	Date	Content	Response Date	Response	Where Addressed in EA
				The reference documentation used by both Golder and Stantec was very relevent and somewhat supportive of the scientific notion that a minimum population of Lake Sturgeon is required to be sustainable. This is a well known fact. Potential habitat for Lake Sturgeon and many other species is still present in Area C and we must not forget that the last MNR studies still estimated about 114 adult Lake Sturgeon were still residing in this "no barrier" reach of the Mattagami River between Lower Sturgeon G.S. (man made migration barrier) and Yellow Falls (natural migration barrier). In closing I will say that a change in aquatic habitat is still a change in environment. I don't need rules, regulations and policies to tell me that its wrong to purposely bring about more man-made environmental disturbances. Haven't we done enough on our rivers? Yellow Falls became more and more a pivotal priority in my personal battle against the dam. Natural sites of this splendor are disappearing one by one. Why is it so much to ask to leave some of these natural wonders for our future generation to enjoy. I failed to see any work done on the East bank near the falls. We found an old cooking stove and what looked like a old site of human activity. Why has there not been any archeological digs done at that location? Could it be because it will be totally flooded? The major archeological find is conveniently located above the flood zone. I'm sure this will please the First Nation. Another important finding to us was an old White Cedar on the East river bank near the Falls. I'm almost sure that this tree is near 500 years old. What a shame to lose this magnificent giant which has survived all of what nature could through at it. Before you go and cut it down, could we at least learn more about it exact age? It does not stand out much in stature by height but it sure has trunk dimension which surpasses many of its great northern river bank cousins. I also heard rumors that your company was flying workers to the dam site. Is this true? If so, could you at least wait till the final decision has been drawn or maybe we have already crossed that line? You owe it to ALL of us to carry this established process to its fullest and not allow any field preperations to start before we are all informed of the final EA results and proper permit be issued. Best Regards Laurent Robichaud Friends of the Mattagami River		You have noted a White Cedar on the East bank of the river near the Falls. Can you confirm if this is Island Falls or Yellow Falls? With regard to on-site work, all activities that have occurred in the field with regard to the Project are related to environmental and geotechnical assessment work for the purposes of regulatory and permitting requirements. No construction is being undertaken. I trust that this information addresses your comments below. Please feel free to contact me if you have any further questions or comments. As mentioned above, clarification on the cook stove and the location of the cedar tree in question would be appreciated. Best Regards, Scott	
31.	Wayne McGee (Friends of the Mattagami)	Email	07/01/2008 11:34 AM	Good morning Scott And Thank you Larry for expressing so well, your feelings about what is at stake here for the people living in our area. Scott! Its part of our culture to use nature as intended.Every second home has a boat and motor.Walleye and moose are an enjoyable and important part of peoples diet. Its how we keep our lives in balance.,Its what we do here in the North to entertain ourselves and our families.There are already 8 dams on the Mattagami River .There is only one section left for us to enjoy, develop,and promote. Are we being selfish ?No and is it wrong to fight tooth and nail to save what we value so much here in Timmins and Smooth Rock Falls. Absolutely not. I have included 2 slides of the Cedar tree in question. This slide is one of my favorites. Ed and Brother Vic Vien . Both are well known to Timmins residents.This picture was taken earlier this year during an educational outing for High school students at Yellow Falls. Both brothers are in their seventies, travelled from Timmins and spent the day shuttling students up and down the river with a large pontoon provided by *Mikes*...walking the trails... offering their knowledge....What act of kindness. Here they are enjoying the shade of this huge cedar maybe 500 yrs old along the trail to yellow Falls. What's ironic is that both brothers spent their lives working in the bush and thirty years ago they may have cut this majestic tree down...but over the years they've learnt that the true value in an exceptional cedar like this one is when " You leave it for the next generation...." As for the old stove and evident site .Its below Yellow Falls maybe 1 km.on the East side. Best Regards Wayne	1/8/2008 12:44 PM	Hello Wayne, I trust all is well! Thank you for the additional information on the location of the old stove. I will pass this information on to our archaeologist for his review. Your comments related to the cedar tree are noted. As is the case with all of your comments, the foregoing information and attached photos will be included in the EA. If the cedar tree is within the proposed headpond area, it will be removed during clearing activities. However, as discussed previously, the deep river valley characteristics of the Mattagami River in the vicinity of the Project will minimize the extent of inundation and therefore minimize the total number of trees required for the Project headpond. As always, best regards, Scott	N/A
32.	Rick Isaacson (Friends of the Mattagami)	Email	01/07/2008 10:24 AM	Happy New Year to you and your family Scott: I have already sent you the contacts for the two local businesses an phone numbers (Howling Wolf Guide Services) an (Northern Spirit Adventure) This will help you to try to address questions 1 and 2. You haven't answered question 3 on how long your portage trail will be at the proposed Island Falls Hydro-Electrical dam? On questions 4,5,6 you haven't responded on how you are going to list them in the final E.A.? On question 7 I'm still waiting for an explanation on the short term and long term benefits on the traditional area of first nations?	1/8/2008 9:47 AM	Hello Rick, I have received the phone numbers and contact information for Howling Wolf Guide Services and Northern Spirit Adventure. Your email indicates that you are the owner of Howling Wolfe Guide Services. In order to fully understand the potential for effects on the business, I would be interested to understand a little more about the company. Key information that would allow us to understand potential commercial effects would include: • How long the company has existed. • Number of employees. • Description of level of capital investment in equipment, buildings, etc. • Geographic area used by the business (i.e. specific rivers/areas used for commercial activities) • How long the business has used the Project area for the commercial activities you have described. • A detailed description of the specific commercial activities that have been undertaken within the	S-6.8.5

No.	Name	Source	Date	Content	Response Date	Response	Where Addressed in EA
						Project footprint (i.e. which commercial activities at which locations, how your commercial use of the area might vary throughout the year). • An understanding of the importance of this location to your business (i.e. number of commercial trips/excursions per year that you have taken to the location in the past relative to other locations). This information is necessary to understand the potential effects of the Project on this business. Question 3 and 6: With regard to the portage route, the total distance is approximately 450 m. The route is designed to avoid steep slopes and utilize existing trails where possible. This portage route will be maintained to ensure that it does not become overgrown and its passability is maintained. In light of the comments received to-date related to canoe/kayak travel, the concern check-box will also be checked in the Final EA. Question 4: As specified in Draft EA Table 3.1, IRM section 1.2.10 specifically refers to existing Provincial Parks and areas that have been identified as candidate provincial parks through provincial processes and regulation. This area has not been identified as a Provincial Park, and has not been identified as a candidate for a Provincial Park. Your thoughts on the suitability of this site for a park are noted. Question 5: As discussed in the Draft EA Appendix K, as well as Draft EA Section 6.8.3, the construction of the Project is estimated to result in 55 direct jobs (over 100,000 person hours), as well as 84 indirect and induced jobs (over 160,000 person hours). As discussed in previous correspondence, Canadian Hydro Developers, Inc., the lead partner in the Island Falls Hydroelectric Project, has always placed a strong focus on local hiring and local suppliers where local labour and supplies are available in appropriate quality and quantity at competitive prices. Canadian Hydro clearly indicates its preference for inclusion of local labour and supply content in its bids from contractors for the Project. During the lifespan of this Project, which is anticipated to be well in excess of 50 years, two full-time jobs will be created. This full-time operations employment is long term. Question 7: As discussed in the Draft EA Appendix K, the Taykwa Tagamou Nation ("TTN") and the YFP have executed an agreement with the TTN in regard to the Project. As discussed previously, the specific terms of this agreement are confidential, however the benefits included in the agreement include: • Employment opportunities • Royalties • Employment learning opportunities • Recreation and housing opportunities I trust that the foregoing information addresses your questions. If you have any further questions, please feel free to contact me. Best Regards, Scott	
33.	Rick Isaacson (Friends of the Mattagami)	Email	1/7/2008 12:00 PM	As you can see its a busy day Scott. Were still waiting for a reply on an extention for the draft E.A.? In the meantime here are a few new questions that need to be resolved. 23.Vol.1 PG.75 4.4.5 It states that brook trout were excluded from further studies, due to the fact that they were absent in preliminary studies. Could you please list dates these studies took place? Length of studies? Who did the actual studies? What the studies consisted of? 24.Vol.1 PG.78 Area B is noted here as highly suitable for lake sturgeon spawning. What effect will this project have on area B (section between Island falls and Yellow falls)? 25.Vol.1 PG.85 4.7.5 Under recreation and tourism we expect to see Howling Wolf Guide Services,Northern Spirit Adventure listed in the final E.A. along with specifics of those two businesses (canoeing,kayaking,whitewater instruction,wilderness trips educational programs) Please comment on how you will address this? 26.Vol.1 PG.88 4.9 Its mentioned here that one significant archaeological site was located at Yellow falls. How do you intend to protect this site? 27.Vol.1PG.89 4.10 It states here that TTN are actively participating in discussions with Mattagami First Nations,Flying Post First Nation and	1/8/2008 3:38 PM	Hello Rick, I hope all is well! Q. 23: Target species were selected based on their abundance in the system, as well as their recreational, commercial, and ecological importance. Although initially considered, brook trout was excluded as a target species during discussions with the MNR and DFO on the basis of its historical absence/low abundance in the Study Area based on existing literature. These studies include environmental effects monitoring conducted by Stantec and ESG International for Tembec (2000, 2004, 2007), fisheries studies conducted by Acres International Ltd. (1990), Seyler, J (1997) and Munkittrick et al. (2000). These studies were undertaken within the Study Area and the surrounding Moose River Basin, and did not identify significant brook trout abundance. References for these studies are provided in the reference section of Draft EA Appendix G1, Appendix III. Further, brook trout were not caught during the 2006 or 2007 fisheries studies (Draft EA, Appendix G1, Appendix III, Table III3-22 and Appendix G3, Table 3-2). Q. 24: As discussed in the subsequent paragraph on Draft EA Page 78 and Appendix G1 and G3, Area B is physically suitable for sturgeon spawning based on their known spawning habitat requirements. However, Sturgeon were not present in this reach during two years of sampling. The absence of sturgeon in this reach is attributed to sturgeon difficulty in ascending Island Falls, and the effect of downstream larval drift. The reach	N/A

No.	Name	Source	Date	Content	Response Date	Response	Where Addressed in EA
				the Wahgoshig First Nation because they have shown interest in this project. Smooth Rock Falls has also shown interest in this project. Have the TTN had any discussions so far with this community? 28.Vol.PG91 5.1.2. You discuss in this section why disclosure of information is critical if stakeholders are to have a meaningfull input and participation. How exchanging of information allows the public and First Nations to better understand the trade-offs between the projects advantages and disadvantages. I agree fully! Yet with all meetings with Y.F.P. and open houses with the public you refuse to give any information on the tradeoffs with the Taykwa Tagamou Nation(TTN) pertaining to this project? All other information pertaining to this project is transparent except this. As stakeholders this is totally unacceptable..so please tell us why this is being done? Best Regards Rick an Friends of the Mattagami RIVER		between Island Falls and Yellow Falls will be changed to a pool (deep water) morphology following inundation. Q. 25: As per my previous emails on this matter, I am interested to obtain additional information on these businesses in order to determine the nature of the potential effects on these businesses. The information that I am interested in obtaining in order to begin determining the potential for effects on existing commercial operations were outlined under that separate email (sent to you earlier today). Q. 26: The proposed mitigation/protection measures for the archaeological site identified at Yellow Falls are outlined in Draft EA Appendix I, Section 4.2. To summarize the information contained in that Section, a protection plan will be developed in consultation with the Taykwa Tagamou Nation. The plan is proposed to include site access protection and erosion protection measures, as required. In addition to the measures proposed for the identified site at Yellow Falls, any archaeological discoveries during construction of the facility will result in suspension of construction activities in the immediate vicinity of the archaeological find, and appropriate site investigation by archaeological staff. Q. 27: The Taykwa Tagamou First Nation are involved in discussions with interested First Nation communities as these discussions pertain to First Nations interests. YFP, as the proponent, is responsible for conducting consultation with local stakeholders. Q. 28: As we have discussed previously, the agreement with the Taykwa Tagamou Nation is a confidential business-to-business agreement. Consequently, the specific content of the agreement cannot be disclosed. However, as discussed in previous correspondence, the general nature of the agreement is described in Draft EA Appendix K, Section 4.2. I trust that the foregoing information provides additional clarity on these matters. If you have any further questions, please feel free to contact me. Best Regards, Scott	
34.	Wayne McGee (Friends of the Mattagami)	Email	07/01/2008 12:51 PM	Happy New Year Scott I did get your tel message this morning. Thanks for following up and yes the holidays were great. Back in the saddle and looking forward to 08. When we last spoke before the holidays we agreed that more time would be needed to get through the EA manual. It was suggested an additional 2 week period. Is this still the case? An article in the paper last week "Ontario is North Americas hot spot for ***Solar Energy***". Ontario is rapidly increasing its use of solar energy with over 100 contracts signed for potential solar energy projects across the province ranging in size from residential systems to large scale solar farms capable of powering thousands of homes. The Ontario Solar Thermal Heating Incentive matches rebates provided by the Eco energy for renewable heat programs. Gerry Phillips Ontario's new Energy minister has announced this 14.4 million rebate program to encourage businesses institutions and industry across Ontario to install solar heating systems. The trend is moving to solar more and more. As the need for energy rises people get more creative and find good environmental ways to meet that energy demand. Like we have been saying all along technology is moving very fast. Lets not make another mistake by ruining this exceptional location for a few megs when alternate methods are becoming available. Why can't Yellow Falls Power follow this trend. Make a little less and save a whole lot. Regards Wayne	1/7/2008 2:23 PM	Hello Wayne, Thank you for your comments below. As you have indicated, solar technology is rapidly evolving both for energy generation and home thermal heating systems. The use of solar thermal heating by households and businesses can reduce the demand for fossil fuels for heating. In terms of electrical generation from solar energy, solar energy sources will become one of the diversified renewable electricity sources in the Province. Canadian Hydro Developers will be continuing to pursue solar photo-voltaic generation in 2008 in addition to windpower and waterpower projects. As discussed prior to the holidays, and in light of the keen interest of the Friends of the Mattagami River and the limited feedback received from any other stakeholders, Yellow Falls Power is willing to accept your comments up to 4:30 pm on 18 January 2007. As discussed, this extension is in addition to the voluntary 30-day Draft EA review period, as well as the additional 30-day review period extension previously provided by YFP. As you are aware, the Final EA will also be available for review for the mandatory 30-day Notice of Completion Review period. As always, best regards Wayne, Scott	N/A
35.	Wayne McGee (Friends of the Mattagami)	Email	1/7/2008 9:19 PM	Hi Scott There is something that troubles our community regarding Mercury levels in our River . All over the world Mercury is a large concern.Many countries are on the edge of red alert and are tirelessly working to reduce its high levels.The government of Canada has been working at setting up tough standards for mercury emitting industries and are participating in many programs like the Northern Environmental Contaminants program for first Nations.Canada is also taking an active role in regional and international efforts to reduce mercury in the environment globally. The truth of the matter is the most of this mercury is coming from natural sources like volcanoes,mercury rich soils,forest fires,and the rest comes from a variety of combustion and industrial processes like coal fired power generation metal mining and smelting,and waste incineration.	1/10/2008 3:12 PM	Hello Wayne, thank-you for your continued interest in the Project. Your thoughts related to mercury and mercury monitoring are noted, and your correspondence will be included in the Final EA. In response to this email and your preceding email on this topic (attached), please find attached the following information (referencing your specific questions from your previous email). Question 1	App-E9

No.	Name	Source	Date	Content	Response Date	Response	Where Addressed in EA
				It gets into the air soil and water. It can also change from one form to another.Some types of fungi and bacteria can change mercury into its most toxic form and in our case ***methyl mercury*** The worst of them all. Methyl mercury in the atmosphere is deposited on our waterways and get absorbed by aquatic organisms. They then tends to accumulate to a certain degree in all fish but especially in predatory fish like Pike Walleye and bass....The ones we eat weekly. At this point eating fish must be considered carefully Health Canada states.Apart from accumulating in predatory fish,the highly toxic form of methyl mercury also builds up in fish eating birds like bald eagles,and otters... So here we are in Smooth Rock Falls in an already mercury present river where the Canadian food guide tells you how much you can eat per week what size etc....Should you exceed these limits then you are definetely at risk.Pregnant woman should not eat any at all...An adult limited to one meal a week.a mother giving milk limited to once a month. It is fact and taken from Stantecs EA that the fishing will drop downstream of the Dam and increase significantly above the Dam because fish will now have a better wintering site according to Stantecs study.This will be where the sport fisherman will be fishing. Right in the worst part where Methyl mercury levels are expected to be the highest. You can't deny that. ***Methyl Mercury*** will be leached from the flooded soil at the new hydroelectric Dam site head pond. This process can significantly add to mercury levels in freshwater aquatic food chains in the exact location you are now guiding our locals to fish. Questions??? 1- How can you assure the people of Smooth Rock Falls this water will remain safe to drink... 2- How can you assure the fishing will go uninterrupted and fish will be as safe to consume as before... 3- We care greatly about the bald eagles,and the otters survival.Can you assure us everything will be O.K. with them. 4- ***Methyl Mercury*** has many dangers in the human body,mental health problems heart attacks cancers the worst one being death.This community has an abnormal even alarming amount of cancer related cases.Some studies were done by local Doctors to try and pinpoint were the sources were coming from with no avail. Doctors moved and studies remain unresolved.We are really concerned about the rise in mercury levels and how they will affect our community.Can you guarantee what you will be creating will be safe for our downstream community.We not only eat the fish, we drink the water , boil our vegetables and bath in it as well????? What about the most vulnerable pregnant mothers?? 5- Will there be constant testing throughout the years and advisory alerts should levels start to rise.Will you accept that responsibility.. 6- Your study shows that mercury levels are expected to rise above the Dam and not below.I have a hard time understanding how that can happen.Water travels downstream .Can you explain that??? Note: Information presented was taken from a reliable non biased organisation ***Health Canada*** Best Regards Wayne ***Friends of the Mattagami River***		As outlined in Draft EA Section 6.5.1, mercury concentration elevations associated with the Project are anticipated to be limited spatially as demonstrated with other run-of-river hydroelectric facilities. Specifically, methyl mercury concentration increases are limited to the headpond and there is no effect downstream or upstream of the headpond (Draft EA Appendix G1, Appendix VI). Further, mercury in the water column is mostly adsorbed (stuck to) particles (living organisms, bits of leaves/wood, fine silts/clay/sand). Water treatment plants remove those particles with a substance called Alum, and through that process remove a very high fraction of the contaminants in the water before it is distributed to homes. Question 2 Mercury is a natural component of the earth, its soil and the water. Soils naturally contain traces of inorganic mercury, a form of mercury that generally does not result in harmful effects. When soils are saturated (as occurs following inundation), microbes convert the inorganic mercury to methyl mercury. Of the total mercury that occurs in rivers, most is inorganic, while a small fraction can exist as methyl mercury. There is thus always a certain amount of methyl mercury that can accumulate in animals and pose risks. The “natural” sources of mercury in the environment include mercury normally found in soils and rock, and atmospheric mercury (much of it a result of combustion of fossil fuels). Mercury levels in fish in the Mattagami River in the vicinity of the proposed project are generally below 0.26 mg/kg, which is the concentration proposed by MOE as the partial restriction for young persons 15 years or younger, or women of child bearing age. The “total” restriction for young persons or women of child rearing age is 0.52 mg/kg. All of the concentrations measured in walleye were below that critical concentration. This section of the Mattagami River has low mercury concentrations in fish when compared to other sections, and other rivers in the region. Most other locations in the Moose River Basin have concentrations high enough (in some cases upwards of 0.9 mg/kg) to warrant restrictions on consumption. The proposed dam and headpond is expected to increase methyl mercury concentrations in sediments, water (adsorbed to particles) and organisms including walleye. In other locations, such as at Carmichael Falls on the Groundhog River, with headponds of about the same size, the concentrations in walleye (in the headponds) have increased by about two times. This is the amount of increase that is anticipated in the proposed Project headpond. Experience with similar dam projects elsewhere tells us that elevated mercury in the flesh of fish is likely to decline over time as the methyl mercury flushes out of the system, with levels returning to normal, potentially within 20 years or so. Mercury levels will decline over time, because there is finite amounts of inorganic mercury present in the soil prior to inundation. Once the available inorganic mercury is converted to methyl mercury, the decline in methyl mercury concentrations will begin. Question 3	
36.	Wayne McGee (Friends of the Mattagami)	Email	1/9/2008 1:08 PM	Good morning Scott I just like to emphasize my view on Methyl Mercury.We now know its health hazards around the world and I don't expect that to get any better much like global warming.Therefore the fact remains that this toxin will remain for a long time and possibly get worse before serious action is taken to reduce it. It is also fact that the inundated area will cause Methyl Mercury to rise from sources indicated in my previous Email.It is also fact that people will be fishing in the new area that you claim will entertain the most fish,the area above the dam,the holding pond or inundated section of river.It is not known for sure, at what the levels will rise to because of the many factors such as possible mercury rich soils in the area or possible mining tailings leaching into the river from Timmins.But we do know for sure they will rise and for a long time, maybe forever Your studies show that it should start immediately and will descend between 10 to 20 years. It may of been better to just to say***" We don't know "***. It is also fact that people in general will not educate themselves about Methyl mercury or even read manuals that will guide them to safely consume fish of certain areas based on species size etc... If it looks good and smells good it must be good seems to be the way to go especially after a few beers. You can appreciate with the fish laws where one has to measure the fish,different lengths for different species and areas and now measure again to see if we can safely consume it. O.K. the fish has been cleaned and frozen and put into a bag adds even more to the complexities and trying to remember Did I eat walleye this week or not? The point I'm trying to make is this.Of course its there in writing, but how much is actually being applied.. People rely on people like you and I		Wildlife consumers of aquatic organisms can also experience mercury accumulation. One recent paper (Arch. Env. Cont. Tox., 2006, 51:661-672) has indicated that the “safe” concentration of mercury in the diet of bald eagles is between 0.27 and 2.66 mg/kg. No effects would be expected at 0.27 mg/kg, while “low” effects are possible at concentrations exceeding 2.66 mg/kg. Concentrations below 2.66 mg/kg would be considered levels that pose a limited risk of impairment, while concentrations below 0.27 mg/kg would be levels that pose no risk of impairment. The critical concentration range for river otters was between 0.66 and 3.29 mg/kg. As discussed above and in the fisheries report, mercury levels in 40-cm walleye are between about 0.2 and 0.3 mg/kg. A 40-cm fish is large, and would be about the upper size range for consumption by both otter and eagles. Present and anticipated future concentrations of mercury in fish flesh (likely between 0.5 and 1 mg/kg) are expected to be close to the lower value for otters, but certainly not near the upper value for otters. Assuming that otters only consumed large fish (worst-case assumption), there would be a low likelihood of impairment resulting from mercury. Considering that otters consume foods other than large fish, the risks of future ill health to otters post inundation of the headpond can be considered to be quite low. The risks of ill health to eagles as a result of eating large fish from the headpond can also be considered low, particularly when considering that eagles will spend much of the year in a different location (i.e., will migrate south), will consume	S-6.2.5

No.	Name	Source	Date	Content	Response Date	Response	Where Addressed in EA
				along with the involved agencies to assure them and there families can safely consume fish,drink the water, and bathe in it as well. I remember as a child I use to fish below the dam at the tail race and catch a few walleye to bring home. I would clean them and my mother would cook them.During the cooking process the smell got so bad not just to her but to me that we had to throw them away.Cooking walleye should'nt smell like that ..Many years later after ten years or so of working in the mill I did get involved with The Mill's Pulp and Paper process and had to learn it for the job I was promoted to do.Of course by then the mills effluent was directed to a settling pond and then to a large mill effluent systems where as we call them bugs eat up the solids and contaminants and finally release the water back to the river.Test had to be done periodically in the effluent where rainbow trout must be able to survive a specific amount of time.Also monitering systems had to be installed.Whenever there was a spill the MOE had to be notified immediately and hefty fines were handed out for infractions, and mill closures were an option should effluent problems not get resolved. I was shocked to find out that shortly before my comings that this effluent was released totally into the river untreated and so was all the bark removed from the logs. The pipe may of been some 32 in. Yes Chlorine,Methanol,Chlorate,Sulphuric Acid,Peroxide,Furans and Dioxins full bore into the river....No wonder the walleye could'nt be consumed. We thought someone had been looking out for us but obviously not.When your mind is focused on making money and maximizing production at all cost or its sad to say, but everything else gets neglected right down to a person safety...That fact still remains today. All this to say that this is a proponent driven process.The agencies involved as well as all the people using this river for generations to come, have grown entirely dependant on your findings your predictions and final outcome.I look forward to the outcome. My personal view is there are no mitigating or compensation measure when it comes to Methyl Mercury in our river. Reducing it is the only acceptable solution..... Best Regards Wayne *Friends of the Mattagami River*		prey other than large fish when in the vicinity of the project, and will very likely consume prey from areas outside than the headpond. Question 4 Mattagami River water used in homes and businesses has been treated by the municipal facility. Raw water may be used when it is collected directly from the river, perhaps while camping or by cottagers. Municipal treatment of river water uses Alum followed by filtration to remove solids, and the water is disinfected through chlorination. Removal of solids effectively removes contaminants including mercury. Disinfection kills microbes such as E. coli and associated viruses that can make people ill. As long as the municipal water treatment system is operating effectively, the municipal water with or without the dam at Island Falls will be safe to drink. Persons that use raw river water may be exposed to slightly higher amounts because the mercury would not have been removed from the water by filtration. However, the amount of mercury in raw water at present is too low to be considered a concern. Samples of water from the Mattagami River, analyzed for mercury have not found detectable levels of mercury. And after the dam is in place, it is expected to remain so. Question 5 The proponent will be required under the terms of its licence/contract to monitor the Mattagami River ecosystem in the vicinity of the proposed headpond and dam. Canadian Hydro has indicated in at least two open houses that it is committed to monitoring on an annual basis. Monitoring of mercury in the flesh of sportfish will be part of that commitment. The results of this monitoring will be provided to the appropriate agencies for their review. In light of your comment, we will provide more information related to post-construction monitoring in the Final EA. Question 6 Our evidence that mercury concentrations in fish will likely not increase substantially downstream of the dam is based on our experience with the dam at Carmichael Falls on the Groundhog River. Mercury concentrations in fish have not increased downstream of the dam there. The accumulations of mercury occur when inorganic mercury in flooded soil is converted to methyl mercury. The methyl mercury is accumulated by microorganisms (bacteria, etc.), which are consumed by invertebrates (clams, snails, midges, etc.), which in turn may be consumed by fish. Most of the mercury in the system is bound up in living organisms, or stuck on the bottom of the river. I trust that the foregoing information assists you in your review of the Draft EA. If you have any further comments, please feel free to contact me. Best Regards, Scott	
37.	Rick Isaacson (Howling Wolf Guide Services)	Email	1/9/2008 5:19 PM	Good Day Scott: Heres the info on Howling Wolf Guide Services: When I lost my job after 34 years of service at the mill site along with 200 hundred others I knew I would have to come up with another source of income. Having been an avid canoeist an outdoors person all my life it was a very easy choice to turn to the communities number one resource..the Mattagami River to establish a business. I registered the business Oct. 5/07. As far as the amount of employees I will carry..will depend on the amount of cliental that show interest, along with the packages that have the best bookings. At the moment Im not employing anyone full time due to the fact the business is in the primary stage..however do to the high demand for kayaking,canoeing,wilderness trips,water instruction,certification,educational programs Im confident it will employ a staff anywhere between 2 to 12 excluding myself for the majority of the time.Keep in mind the timing for this type of market in the tourist industry is perfect. To run a business such as this you need quality canoes,kayaks,boat trailers,paddles,tents sleeping bags,mattresses,dry suits,wet	1/11/2008 10:02 AM	Hello Rick, and thank you for the information provided below and your business concept. As you are aware, the potential use of the Island Falls/Yellow Falls area for hydroelectric generation has been known since 1987 when the site was reserved through the MNR for such a use (Draft EA Section 1.7.1). In the years that followed, environmental survey and facility design works were completed to advance the Project. In 2005, upon acquiring a 50% interest in YFP, Canadian Hydro Developers, Inc., as the lead partner, began intensive survey works related to the Island Falls Hydroelectric Project. In November 2005 YFP was awarded a 20-year Renewable Energy Supply II Contract for the Project (Draft EA Section 1.7.4). As you will recall from our discussions during the first open house in March 2006, the location and footprint of the proposed Project has remained unchanged since the initial concept 20 years ago. Thus the location and nature of the facility was publicly known prior to the development and registration of your business 3 months ago and with this foresight would have been included as a consideration in your decision to register the business and develop a business plan.	N/A

No.	Name	Source	Date	Content	Response Date	Response	Where Addressed in EA
				suits,G.P.S.,floatation bags,insurances,satelite phone, float barrels, lifejackets, certification..plus at least one quality truck which I have aquired for this and that runs about $60,000. Over $100,000 easy when in full operation. Majority of my business will operate on the Mattagami River at the Island Falls,Yellow Falls, LoonFalls sites. Perfect location to operate my businees.This pristine section of river consisting of falls,rapids located in my back yard is idea.Dont forget there are eight dams on the Mattagami River so your very limited to what sections you can market. To have the most scenic section of water in over 400 k.m.s. outside your doorstep when your in a guiding business is a blessing! Tell me Scott if you lived in Smooth Rock Falls..running my business where would you set up?? Most of the business will take place April to November..but I do see potential in that area for X- country ski packages and wilderness camping in the winter. Im very familiar with this area.. but this year will be the first to provide commercial trips, an excursions due to the fact this business is in the early stages. I project just in commercial trips not counting all other aspects of my business at this site probably in the vicinity of 20 to 30 trips a year.Who knows maybe more? One thing I do know.. is that if this hydro-project goes ahead there want be any excursions. It will cripple my business! I think its very important to note since this is an environmental assessment..that my business protects the enviroment, enhances the area, allows thousands to enjoy its riches.When my business and I are long gone the new generations coming to this area will see an experience exactly what we have. What about you Scott..what will your business do to the enviroment in this area?? How will your business enhance the riches of this sector?? But most of all Scott with your business when future generations come at IslandFalls, YellowFalls,LoonFalls,DavisRapids what will they see???...And its Forever!! Best Regards: Howling Wolf Guide Services:		With regard to commercial tourism use of the Island Falls-Loon Rapids area generally, YFP has not received, to-date, any confirmation or identification of existing commercial tourism/outfitting enterprises actively using the Project location for commercial endeavors. YFP has discussed the Project with Polar Bear Outfitters, who have an existing Land Use Permit for a hunt camp at Loon Rapids. This business does not have any concerns with the Island Falls Hydroelectric Project. Your business plans are noted, however, as you stated, they are forward-looking opinions of potential commercial endeavors; demand/interest in these services at the Project location are not confirmed, nor supported by any existing commercial tourism activities. As per our previous correspondence and discussions with the Friends of the Mattagami River, these thoughts on potential future uses of the Project location are noted, however, the registration of a company does not, in our opinion, demonstrate actual commercial effects on tourism businesses. To re-iterate, as part of the Environmental Screening Process for this Project your thoughts and those presented by the Friends of the Mattagami River related to potential future tourism opportunities will be included in the Final EA for consideration by the agencies involved. If you have any additional questions or comments, please feel free to contact me. Best Regards, Scott	
38.	Wayne McGee (Friends of the Mattagami)	Email	1/9/2008 11:07 AM	Good morning Scott Questions??? 1- You mention there will be a change of habitat at the base of Island Falls for sturgeon but also other species that you haven't mentionned in 6.5 2.2.You also mention that there is a viable option that can be designed and built.What option are you refering to???? 2- You mention Cottage owners downstream of the project may experience noise effects during construction but none after construction. Lets be honest here! Truthfully they will no doubt be annoyed by the noise during the construction phase and will definetly hear the turbines and road travel after construction that was not there before. 3- How will the larval juvenile sturgeon and adult sturgeon pass through the dam structure via spillway after the spillway is shut? and what will the mortality rate be... 4- Page 199 you talk about the positives and the negatives this project will bring to the area and for this community.I beg to differ especially after being so clear and concise about our feelings on that last section of river and what it means to this community.Island Falls,Yellow Falls, Davis rapids,and loon Falls are spectacular icons on this river and the reasons why this section is so valuable to us and all the magic it brings.I could spend hours talking about all that it offers and you simply describe it in your positive and negatives as a Change in the landscape,and that Island Falls bedrock and outcrops and unindated areas will no longer be available for camping.Is'nt this a bad thing for this community No mitigation and no compensation.What kind of deal is that??? I think it deserves more credit than that..	1/14/2008 10:07 AM	Hello Wayne, I trust all is well! Question 1: Constructed spawning habitat below Island Falls is intended to serve all of the target species. Sturgeon are specifically referenced in this instance since Area A (i.e. below Island Falls) is the only area where they were found. It is this spawning habitat construction that we are referring to when we refer to the 'viable option.' We will endeavor to clarify this in the Final EA. The compensation concepts are further described in Draft EA Appendix G5. Question 2: During operation of the facility, road traffic associated with the Project will be limited to pickup truck traffic by operations staff. As discussed in Draft EA Section 6.3.3, turbine noise is anticipated to be minimal since the turbines are located within a concrete structure below the headpond water level. The sound levels from the facility are anticipated to be similar to the existing falls. Question 3: As discussed in Section 6.5.1, downstream fish movement was evaluated as part of the Aquatic Assessment (Draft EA, Appendix G). The results are summarized in Draft EA Section 6.5.1. As outlined in Section 6.5.1, none of the target species make significant downstream migrations. Downstream movement is generally associated with passive drift of fish at the fry stage. During that life stage, fish are of a size that would pass through the turbines with high survival rates. Larger fish will swim upstream when encountering the initial downstream flows associated with the turbine intake. The swimming speeds of the target species are known to be sufficient to allow them to overcome intake water velocities and move away from the turbine intakes. Therefore passive drift of target species in the fry stage will occur through the turbines. Question 4: As you have indicated, the areas inundated as a result of the Project will no longer be available for camping. However, following inundation, the shoreline will re-establish itself and be available for use for camping. Through improvement of the Red Pine Road, including the construction of three bridges, access to the area for camping activities will be improved. I trust that the foregoing addresses your comments. If you have any further questions, feel free to contact me. Scott Hossie	S-6.5.2
39.	Rick Isaacson	Email	1/10/2008	Hello Scott:	1/14/2008	Hello Rick, thank you for your questions below.	S-6.1.1

No.	Name	Source	Date	Content	Response Date	Response	Where Addressed in EA
	(Friends of the Mattagami)		2:23 PM	29.Vol.1 PG.103 How many people attended the second round of community meetings with the Taykwa Tagamou Nation on September 18th. 2006(Newpost) and on September19th. 2006 (Moosonee)? 30.Vol.1 PG.105 5.1 It has to be documented under potential impacts to tourism outfitters that two tourist outfitting business Howling Wolf Guide Services an Northern Spirit Adventures are intending to operate the majority of there businesses in the proposed site area. 31.Vol.PG.106 5.1 Under Public interest when discussing..kayaking and canoeing it has to be noted under project response and relevant that the removal of falls and rapids will reduce any desire to canoe and kayak in this area. 32.Vol. PG.142 6.2.3.1 It states here that the dam prevents larger river sediments from moving downstream and therefore has the potential to degrade the quality of fish spawning substrate in the below the dam. How do you intend to address this issue? 33.Vol.1 PG. 146 6.2.4.1 When blasting will the fine sediment that ends up in the river..alter the quality of water downstream? Best Regards: Rick an Friends of the Mattagami River:	8:55 AM	Question 29: The second round of community meetings with the Taykwa Tagamou Nation were attended by approximately five people in New Post (18 September 2006) and ten people in Moosonee (19 September 2006) according to our records. Question 30: As noted in our previous correspondence on this matter, we are aware of these two companies as you have described them to us. Your correspondence on this matter will be included in the Final EA. Question 31: The purpose of Table 5.2 is to document the interests raised by the public and the response that was provided to those interests. This table accurately documents the responses that were provided prior to release of the Draft EA. Public interests and Project Responses will be updated in the Final EA to reflect correspondence received from stakeholders during the Draft EA review period. As noted in my email of 08 January, in light of the comments received to-date related to canoe/kayak travel, the concern check-box will also be checked in the Final EA Integrated Screening Checklist (Draft EA Section 3.0, Table 3.1, IRM Section 1.2.2). Question 32: Sediment transport is a function of the river's capacity to move particles and the properties of the particles themselves (i.e. size, weight, shape, etc). As water velocity, depth, and slope increases (among other factors), so does the ability of the river to move larger particle sizes, provided larger particles are available for transport. In the proposed headpond area, water velocity will be significantly slower than under pre-existing conditions, and larger particles will tend to drop out of the water column. However, as mentioned in the Draft EA, at the tailrace of the proposed powerhouse and dam structure, water velocity will increase to a rate similar to pre-construction conditions and substrate will be eroded from the river bottom similar to existing conditions. Under current conditions in the headpond, the river is only capable of moving particles larger than 50mm in a few locations, for a short distance (Graph 6.6). However, substrate in the reach between between Yellow Falls to well downstream of Island Falls is mainly composed of boulders and bedrock (see Appendix G1 - Subappendix IV, Figure IV3-1) and substantial movement is unlikely under existing and post-development conditions. Therefore, composition of substrate in the reach between Island Falls and Smooth Rock Falls is not likely to significantly change. Question 33: Blasting will be confined within cofferdams, and will take place under dry conditions. Consequently, there is very little potential for blasting to introduce large quantities of sediment into the Mattagami River. However, there is some potential for fly rock and dust to precipitate on the river. These amounts are expected to be very minimal and the potential will be further reduced through implementation of standard mitigation measures such as pre-dampening of rock surfaces, use of blasting mats and proper blasting procedures (outlined in Draft EA Section 6.3.1.2 and Section 6.1.1.2). The appropriate sections of the Final EA will be re-worded to clarify the potential for sediment to enter watercourses through blasting. Thank you for your comment. I trust that this information addresses your concerns. If you have any more comments, please feel free to contact me. Best Regards, Scott	S-6.3.1
40.	Wayne McGee (Friends of the Mattagami)	Email	1/10/2008 9:04 PM	Thanks for you reply Q1 There are some 25 cottage owners, canoers, campers etc that take water from the river boil it to make coffee tea soup etc.Once boiled it should be O.K. is what many people still think. Also, has the Town of Smooth Rock Falls been advised by registered letter that the Mercury levels are expected to rise and to what levels?.Some equipment may have to be upgraded or at a minimum a larger supply of alumn should be kept on hand and budgetted for.Will the Town be reimbursed of these additional costs?.I can tell you right now that there is more money going out than there is coming in with the Tembec Mill closure You also have your bottom feeders Sturgeon and suckers who spend there day sucking on the bottom consuming small living organisms as your main predatory fish do.Your fish do get contaminated with it.It does'nt just stick to a piece of wood Fish consume period.... Q2 Which mercury levels you are using for referencing.Are they the ones taken from our river at area A B C that you have been sampling over the last 2-3 years with Stantec?? Yes I would agree that there are some sections of this river that would have a much higher level.It is another good reason for wanting to keep it in its prestine condition for we all know that Mercury levels will rise much the same as all the other sections on our river where Dams were built. Levels of mercury are expected to go down after 20 years.You make it sound like its a short time.20 years is 2 decades.You will be a grandfather before these levels start to drop.I may not be here but if I am I look forward to see the decline in 7300 days from now.	1/17/2008 11:50 AM	Hello Wayne, it was great to see you this week! Q1: The boiling point of methyl mercury is 92°C. Boiling water will, therefore, cause methyl mercury to volatilize (evaporate), and thus remove the risks associated with methyl mercury in consumed river water. There generally are very low levels (typically non detectable) in river water, so the risks are low to begin with. Mercury levels in raw river water, as measured by the Ontario Ministry of the Environment in 1998, have been below detection levels of 0.02 µg/L. The drinking water standard for mercury in Ontario is 1 µg/L. Therefore in terms of mercury content, Mattagami River water is clearly very safe to consume now, and can be expected to be safe in the future with or without the headpond. Q2: Tissue levels for the proposed project site area were taken from the Stantec data for fish in Areas A, B and C. Those data were compared to data from other parts of the Mattagami and greater Moose River Basin, as reported in “Biology of selected riverine fish species in the Moose River basin, NEST Information Report IR-024, May 1997”, a report by John Seyler. Seyler’s report was a compilation of provincial data, typically the sportfish contaminant program delivered by MOE. Q4 and Q5: As you are aware, the Town of Smooth Rock Falls has been provided with the Draft EA, and will be	S-6.2.5

No.	Name	Source	Date	Content	Response Date	Response	Where Addressed in EA
				Q3 O.K. If I see one bald eagle glowing in the dark You will be the first to know. Q4 I still think that its an important matter that a letter be sent to the water treatment Plant in SRF to convey the expected changes in the water after the dam is built so that appropriate action can be taken before and not after the fact.There's no such a thing as being overready when it comes to municipal drinking water.I would feel more comfortable with that Scott.Thanks Q5 As for the ongoing testing of mercury levels in the Mattagami River should the project go forward I think its important that the Town be advised of your yearly findings.I'm not sure the Watertreatment plant does this type of test or maybe this can become a standard test there.I think someone from YFP should make an effort to call Brian Moore just to make sure all is O.K. Q6 O.K. Thanks		provided with the Final EA. Accordingly, they have been provided with all of the available information related to water quality associated with the Project. We will ensure that an appropriate contact for the water treatment plant is included in the Project mailing list. Monitoring results will be provided to the MNR. This information could then be obtained by the Town as needed. Best Regards, Scott	
41.	Wayne McGee (Friends of the Mattagami)	Email	1/10/2008 9:04 PM	Good morning Scott 6.8.5.1 You outline that Tourism in the area is resource based and that Smooth Rock is an ideal travel location due to its abundance of fish and wildlife and its easy access to Abitibi Canyon. You also go on to say that the project is not expected to affect areas currently used by tourists.Therefore there are no forseable effects on tourism in the area during the operation phase of the project.Worse you outline the positive effects by saying Your project will open new areas for fishing, hunting, snowmobile ATV users and expect it to rise. Again it is no surprise and exactly what one should expect from a proponent driven assessment. The truth of the matter is there are many unresolved problems ,Also the reporting of the projects true effects on Tourism have not been properly documented or even mentioned by the proponent and if so please accept my apologies.I have outlined comments and the true effects it will have on tourism in our area followed with a few questions... Since the permanent closure of our main industry (Tembec) here in Smooth Rock Falls we have been struggling to find ways to bring this community back to life and carefully look at what else do we have to offer.Of course our river and all its magic.Islands Falls, Yellow Falls, Davids rapids Loon Falls are spectacular places and being prime site for the tourism and recreation Industry.We have developed a conceptual plan as well so that both SRF and Timmins could benefit from its long term potential. We carefully looked at what the Island Falls project was bringing to this community and could not come up with anything close to what we are about to loose.You and your team had 3-4 opportunities to promote and sell the project to Smooth Rock Falls and Timmins. We also had an opportunity to outline the negative things that this community will suffer,and loose forever should the project be approved. We were quick to pick up the lack of tranparency in a proponent driven process when it comes to providing truthful information.The Environmental Assessment is a document that someone will use as a tool to grant project approval for construction and should bring forth both sides of the story.Following is just some of our side of the story and do hope that some of the agencies involved will see that not everything is O.K. here. *1-* A resolution was passed in Smooth Rock Falls by SRF council after they had properly educated themselves and consulting other comparable projects and outcome.*The vote was majority with a 4-1 win.* Still remains firmly in effect *2-* A resolution was also passed in Timmins by Timmins City Council and they as well had educated themselves on a more Northern Ontario approach and what it brings to the North. *The vote was majority with a 6-2 win* Still remains in effect *3-* About 2/3 of eligible voters in our community signed a waiver not supporting your project for the same reason the resolutions were. *4-* Our local MP has also supported us publicly in this battle and continues to do so. 5- Our local media through 43 articles and front pages have supported us as well .Front page *NO MORE DAMS ON THE MATTAGAMI* . Again I will say there is one last untouched location on the Mattagami river system left for the purpose of recreation and tourism.There are 8 dams and power stations at every one of those locations and all are used for the sole purpose of providing electricity to the rest of this province.We all know there are alternatives, and we also know each one of those locations is upgradeable to provide more than 400 megawatts of Power to the grid for Ontarians to enjoy without hurting the environment in any way or affecting communities like ours that so desperately need it for this towns survival and long term viability..I'm not sure what else we can do after 2.5 years of work and effort to convey our message that we are not happy taxe payers and that our outcry remains silent. *The questions I have for you today* Q1Can we count on you Scott to least ask why there are two outstanding resolutions from both municipalities and why 2/3 of the residents here have signed a petition not to support the project? Obviously there is a problem. Resolutions can be overturned	1/14/2008 11:44 AM	Hello Wayne, thanks for your continued input to the Island Falls Hydroelectric Project. Your thoughts related to tourism are noted, and all correspondence received during the Draft EA review period will be included in the Final EA so that the agencies involved can consider your thoughts when reviewing the Project. On that note, and in regard to your questions below, YFP has undertaken intensive in-field investigations to understand the potential effects associated with the Project. Further, as you have identified, YFP has undertaken an extensive consultation program to ensure that stakeholders, such as yourself, have been provided the opportunity to offer comments and ask questions with regard to the Project. As you are aware, YFP voluntarily released the Draft EA for a 30 day stakeholder review period, subsequently extended that review period an additional 30 days, and also provided an additional 11 days at your request to allow you to review the Draft EA document further. As stated above, all of the correspondence during this voluntary Draft EA review period will be included in the Final EA and will be reviewed by the agencies involved. Ensuring stakeholder input is taken seriously by YFP, and we are committed to working with the community as demonstrated by our responsiveness to stakeholders during this Draft EA review period, presentations to Council, open houses, and Town Meetings on the Project. I trust that the foregoing information assists you in your review of the Draft EA. If you have any further questions, please feel free to contact me directly. Best Regards, Scott	App-E9 S-6.8.5

No.	Name	Source	Date	Content	Response Date	Response	Where Addressed in EA
				and I would fight tooth and nail to help with that should you trulywork with this community to find a solution.That has not happened yet????? You at least owe us that. Q2Will you clearly outline in your positives and negatives the true effects of your project.If you need help I will make myself available for that anytime???? Q3 Will you make sure that our views are not taken lightly and steps are taken to try to resove outstanding issues? Best Regards Wayne			
42.	Rick Isaacson (Friends of the Mattagami)	Email	1/11/2008 9:36 AM	Good Morning Scott: 34. Vol.1 PG.150 6.2.4.3 It states here that our water quality may be moderately affected but it is anticipated to return to its quality within 2 to 5 years. Living in the downstream community this is a very alarming statement! Whats moderate? 2 to 5 years is that your most accurate assessment..can it be 6 to 8 years? At our local water treatment if this project moves forward and we start to have quality issues.. how will Y.F.P. address this? 35. Vol.1 PG.151 Inundation will result in mercury methlation concentrations increasing early in the life of the headpond...declining over 10 to 20 years. After 20 years it will return back to its original state before the dam was constructed? 36. Vol.1 PG.155 6.2.8.2 During construction containers with grease,oil,fuel, should be stored. Construction equipment should be checked daily for leaks and repaired immediatley. All hazardous fluids should be placed in a containment area. All fuel tanks,generators should be 30 metres from water bodies.All containers, hoses,nozzles should be free of leaks. All fuel nozzles should be equipped with functional automatic shut off devices. Should I presume that the workers..along with a supervisor will enforce these environmental concerns? 37. Vol.1 PG.161 6.3.3.2 Noise generated by blasting should not exceed 120 db. Who will be monitoring this? 38. Vol.1 PG.181 At the moment Island Falls is potentially passable by all fish species. The stretch of river between Island Falls and Yellow Falls is ideal for lake sturgeon spawning. Once the dam is constructed no species will have the ability to move upstream ..correct? Best Regards: Rick an Friends of The Mattagami River.	1/14/2008 11:01 AM	Hello Rick, thank you for your comments. Responses are provided below referencing your question numbers. Question 34: The water quality discussions on page 150 of the Draft EA generally relate to water quality at the Project location and within the headpond. As you are aware, the Town of Smooth Rock Falls is located approximately 16 km downstream of the facility. Further, the river reach between Island Falls and the Town is a headpond (associated with the dam at Smooth Rock) with the associated reduced water velocities. These reduced water velocities promote settling out of suspended particles in the water. Accordingly, potential temporary increases in suspended solids at the Project location are not anticipated to affect the water treatment facility at Smooth Rock Falls. As discussed in my email to Wayne McGee of 10 January 2008, the Final EA will include further information on water quality monitoring to be conducted during and post-construction. Question 35: As discussed in the email of 10 January 2008 to Wayne McGee, experience with other run-of-river hydroelectric facilities indicates that the methyl mercury level return to background levels with approximately 20 years. Question 36: During construction of the Project, the construction contractors will be the parties responsible for implementation of the mitigation measures that are prescribed within the EA. Through their on-site construction manager, YFP will be conducting reviews of the mitigation measures employed by the contractors to ensure their performance and compliance with environmental protection requirements. The MNR, DFO and other agencies are also anticipated to be conducting inspections of the construction activities. I cannot comment on agency protocols for inspection frequency, but they may be able to provide that information directly to you. Question 37: Blasting contractors will be required to meet this requirement (and any other applicable conditions of the EA or agency permits) as a condition of being retained for blasting services. The noise limit is determined by the Ministry of the Environment, and is standard within the explosives industry. Question 38: Island Falls is potentially passable by the target species. However, two years of in-field investigations have identified that only white sucker appear to be moving upstream over Island Falls in any significant number (Draft EA Appendix G). The reach between Island Falls and Yellow Falls were significantly used for spawning activities (Draft EA Section 6.5.1.1). Accordingly, the effect of the Project as a barrier to upstream fish movement was not identified as significant. Thanks again for your comments. If you have any further questions, please feel free to contact me. Best Regards, Scott	N/A
43.	Rick Isaacson (Howling Wolf Guide Servicesi)	Email	1/13/2008 10:53 AM	Good Morning Scott: Scott you asked me questions about my business..and they were answered. I never asked for any comments on your business proposal..except on the environmental aspect, since this is an environmental assessment. Which during correspondence seem to have been misplaced..due to the fact they have not been answered? Unlike Polar Bear Outfitters..Howling Wolf Guide Services has major concerns with the Island Falls project moving forward! For some reason you seem to be very insensitive to to this business that I own? Just because my business is in the early stages it can not be ignored. I dont see a dam facility in operation at Island Falls at the moment? I dont even see construction of one taking place. So your business is also in its early stages. I demand to be treated as any other business entertaining commercial tourism activities! So in the final E.A. on documentation dealing with tourism, businesses..I expect to see my business name alongside others such as Polar Bear Outfitters with the positive and negative impacts listed to it. M.N.R.,M.T.R.,M.O.E.,D.F.O. will be receiving documentation on the impact of the Island Falls project to my business. In closing I would like to point out that although both Howling Wolf Guide Services, an Friends of the Mattagami are both environmentaly friendly.. the similarity ends there. Howling Wolf Guide Services is a business and any furture correspondence pertaining to it...will be addressed as such.	1/14/2008 12:58 PM	Hello Rick, thank you for your additional comments. As discussed previously, all correspondence received during the Draft EA review period will be included in the Final EA. Accordingly, the information you have submitted regarding your new business will be included. Thank you for providing further details on your proposed business activities. Best Regards, Scott	S-6.8.5

No.	Name	Source	Date	Content	Response Date	Response	Where Addressed in EA
				Best Regards Rick Isaacson Howling Wolf Guide Services:			
44.	Wayne McGee (Friends of the Mattagami)	Email	1/14/2008 1:04 AM	Q1 You mentionned that contigency plans have been developed to ensure immediate response to any unexpected event like accidental spills,major oil from Hydraulic systems, Major forms that open up with uncured concrete, watercourse siltation,or dam failure due to extreme climatic events. Can you explain in detail what that will be??? Being the downstream community we are very concerned with the plan you have in place and what it contains.No one from this community has been contacted or asked to participate.or advised as to how to react. Q2 6.8.11 You say that the Smooth Rock Falls strategic report included in the YFP Hydroelectric project as a vital component of the communities redevelopment. Who said this and where did you get that information? There is an unresolved resolution not to support your project by Town council . Best Regards Wayne	1/17/2008 3:15 PM	Hello Wayne, Q1: Description of the construction and operation inspection and monitoring is provided in Section 8.0 of the Draft EA. This section outlines the management structures, programs and plans, and procedures and monitoring requirements. The details of many of the plans are developed prior to construction when final design is completed and requirements are set out by the appropriate agencies through issuance of specific permits. The specific permits required for the Project are provided in Draft EA Section 1 and Appendix D. Q2: The Project was identified in the report titled *Smooth Rock Falls Community Adjustment Committee Final Report* (September 2005) prepared for the Town of Smooth Rock Falls. The report is attached for your reference. As you have indicated the resolution passed by the Town of Smooth Rock Falls in 2007 is included. As you are aware, the 2007 resolution from the town is in contrast to the support for the Project that the Town has demonstrated since development of the Project began 20 years ago. A letter from Smooth Rock Falls from 2005 supporting the Project is provided in Appendix E of the Draft EA. I trust that this addresses your questions. Best Regards, Scott	S-6.1 App-K
45.	Rick Isaacson (Friends of the Mattagami)	Email	1/14/2008 8:55 AM	Good Morning Scott: 39.Vol.1 PG.182 Resulting from the construction of the proposed dam. Downstream fish species spawning behaviours and success will be greatly affected. Thus the D.F.O. has to approve compensation methods prior to construction of the dam...correct?? 40.Vol.1 PG.184 Is Y.F.P. interested in constructing spawning habitat on the North Muskego river to try to compensate for loss of spawning habitat at the Island falls location? 41.Vol.1 PG.189 It states here that the proposed project is not anticipated to increase the fragmentation of the local sturgeon population. Its already been documented in this E.A. that Island falls is potentially passable by all fish species. Now do you expect us to believe that a 17 meter cement wall will not decrease the potential for sturgeon to move upstream? 42.Vol.1 PG.190 It states here that no net loss of productive capacity of lake sturgeon is expected as result of the project. The area between Island falls and Yellow falls is very suitable for lake sturgeon spawning. So how can you possibly draw this conclusion? 43.Vol.1PG.191 Does all mitigation and protection measures have to be finalized with the D.F.O. before they will give there final approval on the E.A.? Best Regards: Rick an Friends of the Mattagami River			N/A
46.	John Shaw	Email	1/13/2008 10:33 PM	Scott. I am a friend of the "Friends of the Mattagami" I've known Wayne since 1983 when we were in Greenland for X/c Ski races .If you ever need a charge of a battery for an RV , give him a call. I did. a couple of years ago . Had a great time under the stars in a hot tub!! over night while he charged up my battery.. I am from Cobalt Ont , born in 1934 so I am 74. I am a friend of Grant Tunnicliffe re the Grassy Dam and have a cottage on Kenagamissi Lake that my wife and family cut trees to build a log cottage in 1975. A dam is planned for the end of our lake as well. The whole of Northern Ontario is under siege. There are many projects proposed. A friend of mine say " money will decide". He works for OPG. Could I have a CV from you. age , marial status, education , previous experience? I am not comfortable with these discussions that are not personal.(I am a retired dentist and know some people in Guelph) I have canoed on the Mattagami, Montreal River etc (In fact I was a Junior Ranger many years ago for the Lands and Forests) Your relationship with Wayne seems to be on quite a civil tone. . John Shaw gjshaw@nt.net (g as gwen, j as john)	1/17/2008 8:46 AM	Hello John, Thank you for your email. I have had the pleasure of working with Wayne during the course of this project, and I agree with your testament to his character. As you have identified, there is a growing interest in renewable energy generation within the province, including solar, wind and hydroelectric sources. As outlined by the Ontario Power Authority (OPA) (www.powerauthority.on.ca) through their Integrated Power Supply Plan (IPSP) there is a need to increase generation capability within the province, with a strong focus on renewable energy generation including northern hydroelectric sources. For further information on Yellow Falls Power LP and Canadian Hydro Developers, Inc. please feel free to visit our website at www.islandfallshydro.com or www.canhydro.com	N/A

No.	Name	Source	Date	Content	Response Date	Response	Where Addressed in EA
						I trust that this information is of assistance to you, if you have any further questions related to the Island Falls Hydroelectric Project, please feel free to contact me. Best Regards, Scott	
47.	Wayne McGee (Friends of the Mattagami)	Email	1/14/2008 11:18 AM	Good morning Scott In sec 6.9 4.2 The EA states that The permanent inundation of rapids will change the viewscape and although no mitigation measures can be implemented to avoid this,the headpond along with revegetation initiatives on the shoreline will create a new viewscape for recreational users tourists and seasonal residents.The initiatives will be completed with the objective to retain the natural character of the area as much as possible,a priority expressed by many interested parties and members of the community. One reading this would think that not much is lost here and that you have done an outstanding job at mitigating and compensating something nice for the residents to enjoy enjoy. The truth of the matter is you will be replacing forever Island Falls with a 50 ft cement wall stretching from one side of the river to the other.Installing chain linked fence and a safety boom required by law to keep people out.This is our special fishing spot(lost forever) furthermore this inundated section of river will flood, Yellow Falls a place for native congregation thousands of years ago (the archeology study did confirm that) a beautiful 15ft drop with beautiful rock formation that kayakers and canoers,hunters fisherman would die for.Davis rapids with its fish galore that your study has failed to truly describe its true worth to this river.and Loon Falls another spectacular spot with beautiful rock formation and challenging falls All gone forever.furthermore the inundated area as you have created will show a rise of Methyl mercury for 10 -20 years.Do you really think this is a fair exchange or a true representation of what will take place. Absolutely not Picture 1 and 2 is a typical example of what Island Falls is now and what it will be slated to be after the dam is built A picture or two tell a thousand words. These 2 pictures are of Carmichael Falls 20 kms from here that you yourself have used to describe and what we can expect.The rest are of Island Falls Yellow Falls Davis rapids and Loon Falls.Everyone of them gone forever and replaced with a large pool of rising methyl mercury and that is the truth....Could you please add this to the Final EA Best Regards Wayne	1/17/2008 3:24 PM	Hello Wayne, Thank you for your comments provided below. Your opinions, as presented herein and in previous emails, will be included in the Final EA. As discussed in previous correspondence, methyl mercury levels are anticipated to rise within the headpond itself, however based on previous experience (with Carmichael Falls) increases in fish tissue mercury levels are not anticipated downstream of Island Falls or upstream of Loon Rapids. The changes in mercury levels will not result in any further restrictions in fish consumption. The archaeological site at Yellow Falls was identified through thorough investigations undertaken as part of the EA. As discussed in the Draft EA, this archeological site is not within the headpond area and thus will not be inundated. I trust that the foregoing provides further clarification on these topics. Best Regards, Scott	N/A
48.	Wayne McGee (Friends of the Mattagami)	Email	1/14/2008 11:54 AM	Good morning Scott Just another comment and question with regards to reality as many have expressed already.It took 2 years for your team and hired consultants plus already existing documents to compile these 2 large binders of valuable information in which I am impressed with some of its content.They have been made available at many locations as you have well done and have given us personal copies in which we appreciate. Of course deadlines have to be imposed so that things can move forward .I feel that this project with such impact to this community should of been mandatory to allow at least 3-4 months for input comments and disagreements.There is no way that any of us will have gone through all the information in those two 6 inch binders especially when the holiday season is added to this. We are dedicating a lot of time daily reading ,digesting, discussing with residents etc As I have mentionned before that many of our residents are working through Friends of the Mattagami to get concerns addressed. There is no deadline for the environmental screening process.It is you who decides how to best proceed .Why do you limit the time alloted for public input???? You cannot say that its a case where very few questions are coming in therefore we have to assume the concerns have come to an end..That is not the case.We have been active on a daily basis and will continue to do so.Therefore we ask for more time to get through the binders ??? and you do have a choice Best Regards Wayne	1/14/2008 12:38 PM	Hello Wayne, I trust all is well! As discussed in my most recent email to you today, YFP voluntarily released the Draft EA for stakeholder review and comment. This Draft EA review period, including the two subsequent extensions, totalled 73 days. This voluntary review period is in addition to the mandatory 30 calendar day Notice of Completion review and comment period that will accompany release of the Final EA. You will have noted, YFP indicated in the *Notice of Release of Draft Environmental Assessment Report* that accompanied the Draft EA, comments received from stakeholders will be addressed in the Final EA as appropriate, however, individual letter responses to stakeholders were not planned. Despite this statement, and the voluntary nature of the Draft EA review period, YFP has promptly responded to the questions and comments submitted by the Friends of the Mattagami River during the entire Draft EA review period. As you are aware the Draft EA review period will end on 18 January 2008. Any comments on the Draft EA submitted by stakeholders to comments@islandfallshydro.com after 18 January 2008 and prior to finalization of the EA for printing will be addressed in the Final EA. As discussed previously, a 30 calendar day Notice of Completion Review Period will follow the release of the Final EA. I trust that this information addresses your comment. Any additional comments that you may wish to submit on the Draft EA after 18 January 2008 should be sent directly to comments@islandfallshydro.com. Have a great afternoon and best regards, Scott	N/A
49.	Rick Isaacson (Friends of the Mattagami)	Email	1/15/2008 1:42 PM	Good Day Scott: 44. Vol.1PG.194 Will you be harvesting all wood incuding wood inside buffer zone along the Mattagami River that will be flooded over..due to headpond (results of dam construction)?	1/18/2008 11:35 AM	Hello Rick, I hope all is well! Q44: All All timber inside the proposed headpond boundaries (Draft EA Figure A-5) will be harvested according to a Forest Resource License that must be acquired from the MNR, and an overlapping agreement between	N/A

No.	Name	Source	Date	Content	Response Date	Response	Where Addressed in EA
				45. Vol.1PG.195 I disagree with your statement that increased improvement for access will not harm the mammal or fish population in the study area.The easier the access the greater number of people spending larger amount of time fishing and hunting in a concentrated area. Thus in time..decrease the mammal and fish population? 46. Vol.1PG.198 Your stating here under the Ministry of Natural Resources Crown Land use Policy Land use Atlas(M.N.R.2006) hydro-electric power is a priority in the Mattagami River area. What other priorities are listed in that atlas for the Mattagami River area? 47. Vol.1PG.199 It states that no effects on land use policies are anticipated during the operation phase of this project. I was under the impression the land use policy stated that the Mattagami river was to be used for the purpose of Tourism an Recreation? Best Regards: Rick an Friends of the Mattagami River		YFP and Tembec (holder of the Smooth Rock Falls Forest Sustainable Forest License). Q45: As noted in the EA Report, easier access may result in a greater number of people using an area for fishing or hunting. However, as you are aware, the MNR has hunting and fishing regulations in place to ensure sustainable populations of game and sport fish. Provided that hunters and fishers abide by the regulations, we would assume that they are sufficient to protect local populations. Q46: According to the Crown Land Use Policy Atlas Policy Report for the Mattagami River (G1744) states that the "primary use of this area will be public recreation, cottaging, and commercial tourism. Hydro-electric power generation is also a priority in this area." Q47: As expressed in the policy report, the management direction for the Mattagami River Policy Area allows for a multitude of uses. In addition to hydroelectric generation, a number of activities are also permitted, such as; bait fishing, commercial fishing, commercial fur harvesting, commercial timber harvesting, commercial tourism services or facilities that enhance or facilitate public recreation or cottaging, mineral exploration and development, and wild rice harvesting. The MNR policy report can be accessed by going to http://crownlanduseatlas.mnr.gov.on.ca/policies.html and typing in "G1744" under Area ID. I trust that this information is of assistance. Best Regards, Scott	
50.	Rick Isaacson (Friends of the Mattagami)	Email	1/15/2008 10:05 AM	Scott..Your response to my question 38 is basically.. its irrelevant if there is a barrier preventing fish movement because only white sucker seem to be moving above Island falls to spawn??	1/17/2008 1:27 PM	Hello Rick, As discussed in Section 6.5.1.1 the reach between Island and Yellow Falls was not significantly used for spawning by the target species (excuse my typo in my original response). Thus the effect on target species populations resulting from restriction of upstream movement of fish was not determined to be significant. Best Regards, Scott	N/A
51.	Wayne McGee (Friends of the Mattagami)	Email	1/16/2008 11:33 PM	Dear Scott *Stakeholder consultation and information Disclosure Plan* Stake holder consultation and information disclosure Plan has been prepared to guide the overall consultation process for the Project. Why is there a seperate First Nations Consultation and disclosure Plan for the Taykwa Tagamou nation?? Was the information presentation different than ours? What is presented in form of a sales pitch to gain partnership??? Regards Wayne			App-E1
52.	Rick Isaacson (Friends of the Mattagami)	Email	1/16/2008 11:57 AM	Hello Scott: 48.Vol.1PG.201 This has to also be listed on the positive negative chart for fishing. Decreases spawning beds in project area. Decrease potential walleye fishing due to to bass population increasing due to headpond. Decrease fishing overall do to increased fishing pressure result of easy access to area. 49.Vol.1PG.202 For canoeing/kayaking dont forget to include on the positive negative chart, that the new portage trail will be longer than the 3 existing trails combined. New trail 450 meters...old trails combined a total of 230 approximately. 50.Vol.1PG.203 Has to be noted here that it will have a negative effect on resource based tourism activities for Howling Wolf Guide Services and Northern Spirit Adventure. Both as you already know rely on canoeing,kayaking,rapids,falls,camping,tripping and nature in its natural state for obtaining tourist cliental. 51.Vol.1PG.203 Under cottaging for positive and negative you have it listed as both being a positive and negative effect. However you forgot to list the negative effects. Could you please list them? 52.Vol.1PG.203 What mitigation measures have been incorporated into the proposed project to address the local tourist issue..due to the loss			S-6.7.4 S-6.8.5

No.	Name	Source	Date	Content	Response Date	Response	Where Addressed in EA
				of this pristine section of water? 53.Vol.1PG.204 It has to be noted here that only basic canoeing opportunities will be maintained due to the loss of falls and rapids resulting in removal of all whitewater potential including everything from canoeing rapids to whitewater instruction. 54.Vol.1Pg.202 On these positive negative charts I dont see any documentation on rafting? With that said I expect to see it listed on the final E.A. as a negative effect due to the fact that we will no longer to be able to raft down Loon falls,Island falls,Davis rapids? 55.Vol.1PG.213 Does the estimated cost of $1,715.000 in road improvements include the new 7 k.m. of road and the 2 new bridges? 56.Vol.1PG.213 Are the water rental and property taxes totaling $446,400 per year paid to the provincial government? Y.F.P. will be tax exempt for the first ten years due to the fact they are a new generation facility? Best Regards: Rick and Friends of the Mattagami River			
53.	Rick Isaacson (Friends of the Mattagami)	Email	1/18/2008 1:24 PM	On your reply to Mr. McGee on Q1 dealing with Methl Mercury...am I to persume we should also be boiling the fish before consumption?? Rick:			N/A
54.	Rick Isaacson (Friends of the Mattagami)	Email	1/18/2008 1:59 PM	Hello Scott On question 38 I'm still concerned with the fact if the sturgeon wanted to move above Island falls to spawn that once the dam is constructed it would be impossible. Most sturgeon I'm told spawn every five years? Your studies took place over a two year period. We've established there is not a large sturgeon population in the study area to begin with. So we must take every measure to insure that the sturgeon have every oppourtunity to reproduce. Removing potential spawning beds or access to them is certainly not one of them. Is Y.F.P. convinced that the impact to the sturgeon population is so minimal that its totally irrelevant??			S-6.5.1.1
55.	Rick Isaacson (Friends of the Mattagami)	Email	1/18/2008 3:40 PM	Hey Scott Just finished the driveway now since it's Jan. 18th. I have 1 hour to review the 600 remaining pages of the draft E.A. (Piece of Cake) Q45. It has to be noted in the final E.A. a greater number of people fishing a certain area more often...results in a decreased fish population. A greater number of hunters hunting a concentrated area more often...decreases the mammal population. These are the stats when all fishing and hunting has been done legally. So could you please supply us with a contact from our M.N.R. office stating otherwise? If not I expect it to be documented as above in the final E.A.? Q46. Could you insert your response on this question pertaining to Crown Use Policy Report for the Mattagami River(G1744) in the final E.A.?			6.11
56.	Wayne McGee (Friends of the Mattagami)	Email	1/18/2008 12:17 AM	Reply to Q2 This town is always open for business and always will be and of course everyone is excited with new development as the council was in 2005 .But as we heard more about the Island Falls project and educated ourselves about it, and what was truly about to happen to our Mattagami River that we value so much especially after loosing our single industry, people became very concerned.You and your team were at the open houses and the tone of all meetings was high.There were a lot of people and most were against the project at that point.The agencies involved would also testify to that. Truthfully had this information been released twenty years earlier things would of been different back then ,and very different for the 2005 council members. The only thing the 2005 council knew about the project was there were employment opportunities with some permanent positions.We thought the same until we educated ourselves about the project..Boy what they did'nt know and was revealed shortly after the new council came in was this. *1- a run of river facility does require a change in level unlike many people thought.*Yes a *50 foot* change in level with a concrete wall stretching from one side of the river to the other.Safety booms above and below the falls to keep people out of the area.There will be chain linked fence and signs stating again keep out danger.This is Smooth Rocks residents fishing spot.For decades we have been fishing there because of the scenery and the great fishing.Thats where the walleye hang out in the spring and now we can't go there anymore.Our quality of life gets degraded one more time... *2- There will be a headpond some 55 ft deep and everything above will be inundated (flooded) forever. that means* *a) "Loon Falls gone forever"* A beautiful spot that hunters and fisherman use constantly as the hightlight of the day especially in the fall.A challenging spot for canoers and kayakers to enjoy and set up camp for the night...			N/A

No.	Name	Source	Date	Content	Response Date	Response	Where Addressed in EA
				b) "Davis rapids gone forever" No more great fishing and a change in fish habitat forever.This is a spot when you put your hand down in the rocks you can be sure there will be crayfish on your hand when you pull it out .This is a breeding ground and walleye feed on that. c) "Yellow Falls" gone forever" A spectacular set of falls with a 15 ft drop.What a place to overnight camp and hike to. A place of congregation for Natives thousands of years ago as the mandatory archeology study has revealed....Arrowheads Chert scrapers and what else does this site contain.What a place to develop to attract tourism. Will all be submerged under 15ft of water. d) "Island Falls gone forever" The easiest to get to for our community members,Citizens have been fishing there for decades.Everyone has a story to tell about Island Falls.As mentionned above there will be safety booms above and below to keep people out of the area.We hear radio announcements from OPG Ontario Power generation to keep away from Power stations and Dams It will be no different with Can Hydro.... 3- Methyl Mercury will rise in the headpond for 20 years... 4- Fishing below the cement wall will drop significantly. 5- A population of sturgeon may be at risk. 6- Discussions with citizens of Fauquier Carmichael Dam revealed that we are being raped of our natural resources. 7- Nothing has firmly been presented to this community as some form of compensation for what we are about to loose. 8- Two businesses Howling wolf guide services and North Spirit adventure truly need this river for the success of there operation. 9- The damage to the environment aquatic habitat the forest with its magnificient trees some 400 years old 10- This is the last section of untouched river with rapids and Falls between the headwaters and Smooth Rock Falls 11- There are 8 other dams on this river including the one stationned in Smooth Rock Falls that are upgradeable. Precisely 400 megawatts worth of upgrade without hurting the environment in any way.Your project is an average 8-10 megawatts and look at what your doing to the environment and our community to get it. Tell me if you lived in this community and not blinded by the short term benefits of temporary work, Would you honestly approve of this project for your communities citizens and for generations to come???? We have been given nothing in return. The upgraded roads the bridges the boat launch, portage trail are items totally neccessary for your operation or mandatory by one of the agencies. The fish compensation package is not for us . Its for the damage you will create to the environment. Why would anyone who has educated himself with the project approve of this. Thats why there are two unresolved resolutions., one from Timmins City council and one from Smooth Rock Falls Town council not to mention our local MP position and the numerous signatures not to support the project.....Is it not clear enough! My Best Regards Wayne *Friends of the Mattagami River*			
57.	Laurent Robichaud (Friends of the Mattagami)	Email	3/31/2008 8:28 PM	Hi Scott, Here is my final answer to your new proposal. Although you have gone out of your way to mitigate this project and I'm sure you have succeeded in doing so. My position is written on the attached document. Please accept my wishes of good luck in the next phase of development. I will not actively try to battle against this new development. I'm sure you will understand why. Best Regards, Laurent ATTACHMENT: Laurent Robichaud 189 O'neil Ave, Timmins Ontario P4N 4K6 Tel. 705-268-2078 April 1, 2008	4/1/2008 9:06 AM	Hello Laurent, I trust you are doing well! Thank-you for your email below and attached position. As with all of the correspondence received during the EA process, this information will be included in the Final EA. Best Regards, Scott	N/A

No.	Name	Source	Date	Content	Response Date	Response	Where Addressed in EA
				To whom it may concern, I have been a long standing member of the group named "Friends of the Mattagami River". We have been in protest against the development of a new hydroelectric project on the Mattagami River near the community of Smooth Rock Falls. This project named "Island Falls" by Canadian Hydro Developers has been in the environmental assesment process for almost two years. A new proposal has been brought forward by the owners. They would move the location of the proposed dam and generating complex upstream to a location named "Yellow Falls" just 3 km up river. The location on the Mattagami river named "Island Falls" would remain in its natural state. My position on this proposed compromise to the original plan still remains the same. I do not approve of this compromise as it goes against what I have already stated publically. I still believe that there is only a few natural sites of this spectacular nature and that they should be left alone. This is also supported by the fact that we have already taxed this river heavily both in hydro generation and aquatic species habitat degradation. I must on the other hand admit that for the community of Smooth Rock Falls this compromise offers some conciliation for the total loss. Therefore I speak only for myself when I say that I am and will remain against this project in its entirety. Respectfully Yours, Laurent			
58.	Rick Isaacson (Howling Wolf Expeditions)	Fax	04/10/2008	The purpose of this letter is to acknowledge that Howling Wolf Expeditions has no longer concerns with issuance of permits or approvals for planning, construction and operation of Yellow Falls Hydro-Electric project.			S-6.8.5
59.	Town of Smooth Rock Falls	Fax	05/05/2008	THAT Council supports the new hydroelectric dam project at the Yellow Falls location; AND FURTHER THAT Council hereby rescinds Resolution No. 2OO7232.			S-5.5.3.7
60.	Laurent Robichaud (Friends of the Mattagami)	Email	07/26/2008 1:11 PM	Now tis time to lay to rest for possibly a last rock sitting looking Yellow for soon it will be no more. May the natural falls rest in peace. Forever to be no more. One of multitudes of river lovers....			App-E9

2.0 Federal Comments on Draft Environmental Assessment Report

2.1 ENVIRONMENT CANADA COMMENTS

No.	Page	Section	Comment/Question	Responses	Where Addressed in EA Report
1.			In regard to acid rock drainage (ARD), specific protocols should be followed for rock sampling and testing for ARD potential, and assessment of potential effects, notably: • Representative sampling of rocks to be disturbed should be undertaken using an appropriate sampling protocol, and analysis of the leachate potential and net acid generating potential and should be undertaken in an accredited laboratory. • An assessment of potential impacts of any acid rock drainage (ARD) associated with the project on downstream water quality. The proponent can obtain further guidance on carrying out the above work in the following reference on site assessment procedures, prediction and control of ARD: *"Mine Rock Guidelines, Design and Control of Drainage Water Quality, Report 93301, prepared for Saskatchewan Environment and Public Safety, Mines Pollution Branch, April 1992 by Steffan Robertson and Kristen (BC) Inc."*	As recommended by EC, site assessment and mitigation if required, will follow *Mine Rock Guidelines Design and Control of Drainage Water Quality* prepared for the Saskatchewan Environment and Public Safety Mines Pollution Control Branch (Steffen, Robertson, and Kirsten, 1992). Initially, a site assessment, performed by a qualified hydrogeologist, will take place to determine the types of rock, sources of contaminants, the need for, and the type of further investigations. If further investigations are indicated, detailed laboratory studies and/or field studies will be carried out. In the event that rock exhibits potential for ARD, appropriate subsurface use may reduce potential for sulphide oxidation since the rock will be less exposed to weathering. If mitigation becomes necessary, measures will be discussed with relevant agencies prior to implementation. Mitigation measures may include: ▪ Conditioning rock ▪ Covers and seals ▪ Underwater deposition ▪ Segregation and Blending ▪ Base additives Rock types exhibiting potential to contribute to ARD will not be used in locations where it will be exposed to weathering. It should also be noted that due to Project location and design changes, rock-protected embankment dams will no longer be used, limiting potential for ARD.	S-6.2.4
2.			Potential air quality effects have been adequately considered in the ESR in section 6.3.1. Nevertheless, the mitigation included in the ESR, and any other specific mitigation developed at a later stage, including consistency with recommended practices in the document "Cheminfo, 2005" (p. 159), should be referenced in the air quality component of specific environmental management plans developed under the proposed Construction and Environmental Management Plan (CEMP). Please see EC's recommendations to prepare an Environmental Protection Plan under "Monitoring and Follow-up" below	Noted. The EA Report will serve as the basis for preparation of the CEMP. As such, mitigation measures will be monitored according to an Environmental Monitoring Plan, preparation of which is underway. The Environmental Monitoring Plan will be submitted for agency review and comment prior to release of the final EA Report. The Environmental Monitoring Plan will be included as part of the final EA Report.	App-K
3.			Project construction, operation or maintenance activities such as vegetation clearing and grubbing, site access, blasting, and excavation and piling of soil/fill, etc., could result in the incidental take of migratory birds or their nests if conducted in migratory bird habitat during the breeding season. The removal of vegetation also has the potential to reduce habitat for birds. Additionally, construction, operation or maintenance activities could disturb nearby breeding birds and disrupt breeding. EC notes that the proposed timing of vegetation clearing {s. 6.4.4.1 (p. 170) is proposed, however reference was not made to blasting activity. The timing of the work to avoid the core breeding season (based on our recommendations below), and migratory bird surveys, if undertaken appropriately, would likely address the majority of issues related to disturbance of nesting migratory birds and 'incidental take'. EC recommends that the core breeding season for migratory birds reported on page 170 should be amended to May 16th to July 31st to encompass all habitat types in the project area, particularly forest habitat. Based on the foregoing advice, the wording of the text under s. 6.4.4.2 (2nd para.) should be amended from "summer" to "mid summer", and reference to "spring" should be removed. In regard to construction of the access roads and transmission lines, reservoir creation, and associated habitat loss and fragmentation issues, it was stated in the ESR (s. 4.2.11, p. 4-112) that tree clearing would be negligible and that there would be some fragmentation of habitat for area sensitive species. • Notwithstanding the above conclusions, EC recommends that the above fragmentation and permanent habitat loss effects (including loss of riparian habitat along headpond shorelines) be included in the cumulative effects assessment and acknowledged in Table 7.2 (p. 255) as a cumulative effect on migratory bird habitat and wildlife. In regard to operational effects {pp. 171 (1st para.), 172 (5th para.), & 270 (s. 8.3.2)}, EC expects that maintenance activity will likely be required on access roads or transmission line right of ways headpond shorelines, structures, etc. that may affect terrestrial, wetland and aquatic habitat and	Effects of other activities such as site access, blasting, excavation, etc. have been added to the EA Report The recommended timing from May 16th to July 31st for performing work that may result in disruption to breeding birds has been incorporated into the EA Report. The recommended wording changes from "summer" to "mid-summer," along with removal of reference to "spring" have been carried out. Recommended mitigation measures for maintenance activities with the potential to affect breeding birds have been added to the EA Report. The EA Report now requires use of mechanical vegetation removal for all construction, operation, and maintenance activities. Herbicide will not be used to control vegetation. In regards to S. 4.2.11 p. 4-112, we note that no such section exists in the EA Report. However, loss of habitat resulting from forest harvesting and other activities has been included in the Cumulative Effects Assessment ("CEA"). According to the Ontario Land Cover database, the entire Study Area comprises approximately 193,560 ha. Air photo observation and Ontario Land Cover classification indicates that approximately 76% (147,600 ha)of the Study Area has been harvested at some point (Classes 8,9,10,11). Tembec plans harvest of an additional 3,084 ha in its current Forest Management Plan. As such, the Project will affect almost entirely previously disturbed forest. The Project, using the Island Falls location, would affect approximately 374 ((approximately 0.003 % of previously harvested area) ha of forest, swamp, and marsh habitat, 122 ha of which included recently clear-cut areas. Since the Project will be moved to Yellow Falls, a reduction in headpond size is anticipated which should reduce any effects to riparian vegetation and habitat. Removal of riparian habitat would be considered a direct effect of the Project. From the above, it is clear that, on a percentage basis, the Project will have a negligible contribution to cumulative effects resulting from forest harvesting/clearing in the Study Area.	S-6.4.4.2 S-6.4.1.2

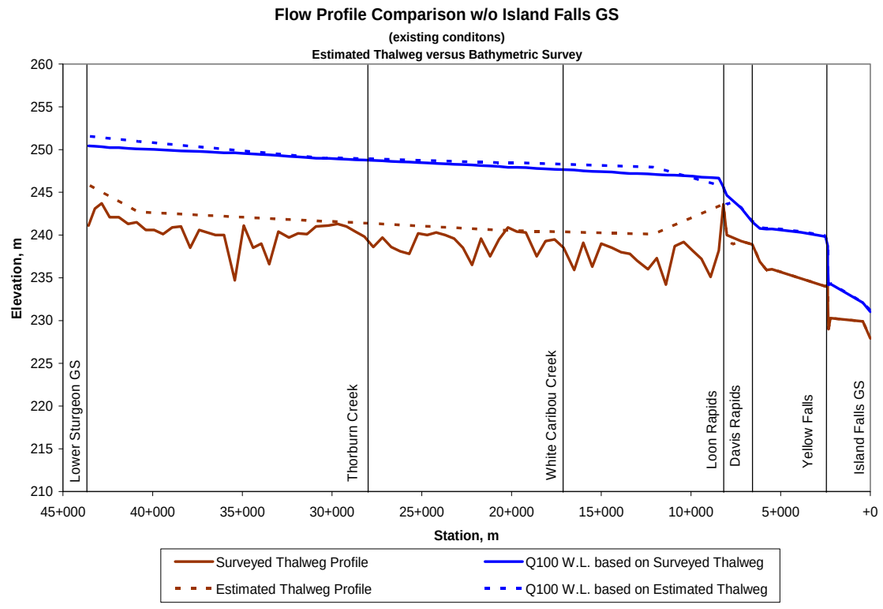
No.	Page	Section	Comment/Question	Responses	Where Addressed in EA Report
			wildlife. Some of this work may have the potential to also affect migratory birds if undertaken during the core nesting period. Therefore, EC recommends that similar mitigation to that recommended for construction should be implemented by the proponent for any such maintenance work. EC supports the use of mechanical vegetation removal, rather then herbicide use, for future transmission line maintenance (i.e., periodic cutting to eliminate tree growth that could potentially affect the transmission line), or access road right-of-way maintenance.		
4.			EC notes that in general, reasonable measures are discussed to address potential effects of the environment on the project during construction and operation. However, in regard to the item "Rain" it is not clear to EC whether climate change effects on extreme flood events was taken into consideration in the 1-in-10,000-yr flood analysis. EC recommends that the proponent allow for the effects of climate change in their estimates for the extreme design flood, notably to accommodate any potential increase in the intensity and frequency of heavy precipitation events (see related comments above on s. 6.2.2).	Climate change modelling using Version 2 of the Canadian Coupled Global Circulation Model ("CCGCM") was performed by the MNR and the Canadian Forest Service (Colombo et al, 2007) to describe potential climate change in Ontario. The modelling was performed for precipitation and temperature over three time periods (2011 to 2040, 2041 to 2070, and 2071 to 2100). The model indicates that temperature will rise gradually over time, while precipitation will remain relatively static during the winter and increase from 2011 to 2040 during the warmer months. However, climate models are based on complex global algorithms for a number of variables. Version 2 of the CCGCM represents possible scenarios that may or may not occur. In this case, historical climate data from 1955 to 2003 (EC, 2003) and historical discharge data from the Smooth Rock Falls Gauging Station indicate that the average daily discharge of the Mattagami River is slightly declining. Similar to discharge, precipitation appears to be highly variable from year to year. Monthly trends indicate that, on average, precipitation is decreasing in summer and winter, and increasing in the spring and fall. Average daily temperature appears to be slightly declining on a yearly basis. Since historical data indicates that discharge and temperature are declining, it is possible that global climate change is affecting the Smooth Rock Falls area in ways not considered by the CCGCM. Additionally, the declining trends indicate that using average historical values for flood analysis would result in slightly conservative results.	S-6.14.1
5.			A detailed discussion was included on the assessment of cumulative effects on pages 247 to 251; however, the evaluation undertaken does not appear to consider the effects of past and present projects or activities, except for the Lower Sturgeon GS Redevelopment. As water quality effects from upstream and downstream projects and may add cumulatively with the proposed project (when considering downstream receptors), it is not clear why all of the Power Generation project upstream and downstream (notably Wawaitin GS, and Smooth Rock Falls GS) were not included, as well as forestry (and mining?) activity adjacent to the river and tributaries in the study area. It is not clear to EC whether any mines in the region have the potential to act cumulatively with this project. EC recommends that the foregoing questions be clarified by the proponent.	It should be noted that only potential cumulative effects of the project in interaction with other activities that are expected to change relative to baseline (i.e. present day) conditions are included in the CEA. A regional, landscape, or watershed analysis of cumulative effects is beyond the scope of the Project, and undertaking protective, remedial, or mitigation measures at a regional or watershed scale is also beyond the scope of the Project. The effects of the project on existing water quality have been evaluated in Section 6.2. Existing generating stations upstream and downstream of the proposed facility are not expected to exhibit a cumulative effect that would change water quality over current baseline conditions. However, forest harvesting has been included in the CEA since ongoing operations are likely to alter baseline conditions in interaction with the Project. According to the Mineral Deposit Inventory, no producing or past-producing mines exist in the Study Area. The nearest producing mine is approximately 12 km south of the Study Area and 12 km east of the Mattagami River. Water quality as measured in 2006 on the Mattagami River generally meets Ontario Drinking Water Standards. As such, the potential effects of mining operations have not been included in the CEA	S-7.3
6.		s. 10.2	The proposed construction phase water quality monitoring does not make reference to any formal compliance monitoring to ensure conformance with appropriate guidelines. It is not clear to EC whether the recommended "periodic environmental inspection" would be sufficient to ensure a high level of environmental protection. EC suggests that further details be provided on this. Please note also EC's comments in regard to monitoring of turbidity/TSS under "Water Quality" (S. 6.2.2.2) above. The environmental quality standards recommended by EC to be used to interpret monitoring results also applies to any other work potentially impacting receiving water quality, including stormwater runoff from the site, discharge of dewatering effluent, toxic/alkaline leachate, thermally impacted water, etc. EC notes that "mercury levels in fish will be monitored for several years after impoundment" during the operational phase and agrees that this should be undertaken to verify the accuracy of the predictions in the ESR. Please see EC's recommendations on this monitoring under "Water Quality" (S. 6.2.5 Mercury Methylation) above. EC requests that the proponent provided us with a copy of the monitoring reports. In order to be useful, EC recommends that the reports should provide a complete analysis and interpretation of the monitoring data, including recommendations for any required actions, including and extension of the monitoring period, if any significant Hg levels (and upward trends in levels), that may be attributed to the project, are observed in fish. Environmental Protection Plan EC notes that the ESR indicates that the Construction Contractor will prepare and implement a Construction and Environmental Management Plan (CEMP) that includes the specific measures proposed in the ESR and described on page 269. Nevertheless, EC expects that the specific measures should also include an appropriate level of monitoring of measures by the contractor and oversight by the proponent to ensure that the contractor fully complies with the CEMP and any applicable environmental quality standards and legislation, and, that effective protection of the environment is facilitated.	Preparation of an Environmental Monitoring Plan is underway and will be submitted for agency review and comment prior to release of the final EA Report. The Environmental Monitoring Plan will be included as part of the final EA Report. A study design has been developed by Golder to establish a suitable baseline for methyl mercury data. Following the rationale provided in Environment Canada's Environmental Effects Monitoring (EEM) Metal Mining Guidance Document (Environment Canada 2002) one sentinel species (walleye *Sander vitreus*) will be selected for monitoring. Five replicate samples, each consisting of flesh of eight walleye, will be collected for methyl mercury analysis from each of the exposure (above the future dam site) and reference (below future dam site) areas. Samples will be collected during the 2008 walleye spawning period. Each replicate sample will, ideally, consist of all of the same sex and age class. If this is not possible, than the sex of each fish making up the sample will be reported. As per the EEM guidance document, this sampling intensity will provide sufficient replication to detect an effect size between exposure and reference areas of +/-2 S.D. at a power of 0.9, if a. and 1 are set at 0.1. Sample results will also be compared against applicable consumption guidelines to provide current information on how methyl mercury levels compare to existing consumption guidelines. Results of monitoring will be made available to the appropriate government agencies.	S-6.2.5 App-K
7.		S. 4.5.3	It is not clear to EC whether any species listed under the federal *Species at Risk Act* (SARA) range into project area. No reference was made to species listed under SARA on pages 72 or 73 (however	Species of conservation concern are discussed in S. 4.5.4.4. The Draft EA Report states that "The Monarch Butterfly has a provincial status of Special Concern, designated by COSSARO and a federal status of Species of Special Concern by COSEWIC." Effects of the Project on Monarchs are discussed in the EA Report. No other terrestrial species listed in the SARA are known to	S-6.4.7

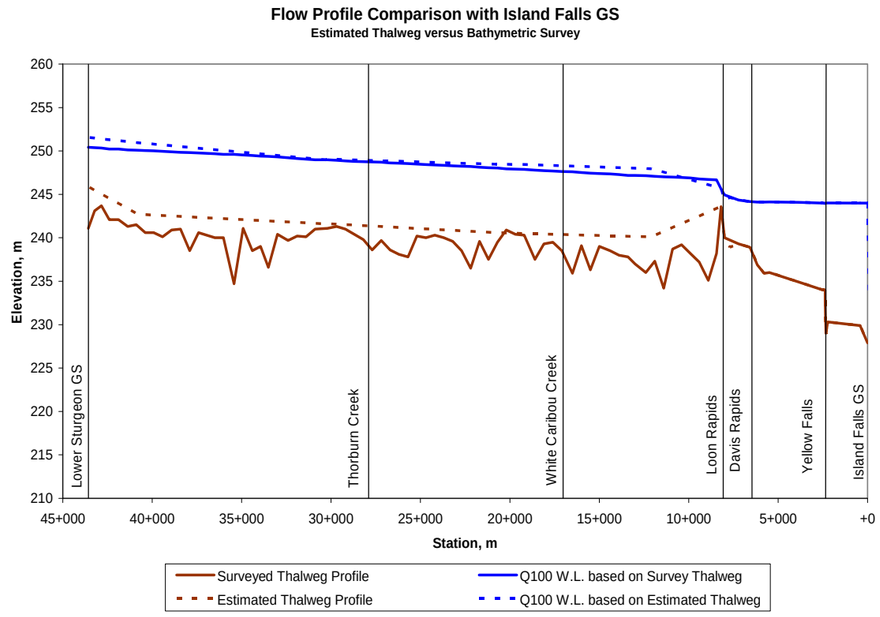
No.	Page	Section	Comment/Question	Responses	Where Addressed in EA Report
			reference was made to an aquatic species at risk (SAR) (lake sturgeon) on page 188). EC's species at risk search tool[1] should be consulted to determine if the ranges of any COSEWIC listed species at risk overlap with the site. If species listed on Schedule 1 under SARA range into the project area, the presence of any suitable habitats for these species within areas potentially impacted by the project should be identified. If suitable habitat exists, the potential for the project to impact these species should be assessed and any required mitigation proposed. Please be advised that the RA(s) should consult the competent Minister, EC for terrestrial SAR and DFO for aquatic SAR, if it is later found that a species at risk is likely to be affected by the project. If migratory bird SAR is potentially impacted by the project, EC staff should be consulted by the proponent; however, for all other terrestrial SAR, staff from the Ministry of Natural Resources should be consulted.	inhabit the Study Area. S. 6.4.7 of the Draft EA Report states: Monarch butterfly (*Danaus plexippus*) was sighted during wildlife surveys. This migratory species has been designated under the federal Species at Risk Act because it is threatened by increasing use of pesticides, loss of old field and meadow breeding habitat, and loss of wintering habitat in Mexico (Environment Canada, 2006a). Monarchs rely on stands of milkweed species, which were not recorded in the Study Area. This species is known to occur north of the Study Area (Layberry et al., 1998), and individuals observed during wildlife surveys were likely migrants moving through the Study Area. This species is unlikely to be affected by Project construction or operation. A small number of migrant Monarch butterfly mortalities may occur as a result of collision with vehicles or other Project components, as commonly occur on roadways throughout Ontario. However, populations are unlikely to be affected by construction or operation of the Project as habitat or staging areas are outside the potential zone of influence. Therefore, no mitigation or protection measures are necessary for this species.	
8.		S. 6.2.2.1	EC notes that a minimum reservoir fill rate of 6 m^3/s is proposed (p. 138), which would reduce average July flows by about 6-7%. However, the proposed fill flow is about 23% of the minimum flow on record for July of 25.71 m^3/s as shown in Table 6.3 (p. 139). Typically streamflows are only altered by no more than 10%. In order to minimize adverse ecological effects downstream during severe low flow periods it may be necessary to discontinue or reduce reservoir filling. EC recommends that the proponent's approach to addressing this type of occurrence should be discussed in the ESR	Protection measures have been included in the EA (Section 6.2) to provide for the possibility that minimum or low flows may occur. Discharge rates will not be reduced by more than a 10% during headpond filling. If outflow from the facility is reduced to minimum historical flows, headpond filling will be suspended until flows increase. The required average minimum flow release of $15m^3/s$ will be maintained to Smooth Rock Falls GS during headpond filling. It should be recognized that the proponent cannot control upstream facilities or prevent unusually dry weather which may result in severe low flow periods, however filling rates will be adjusted to ensure that discharge rates remain above 90% of the incoming flow rate, and headpond filling will be suspended if historical low flow levels are encountered.	S-6.2.2 S-8.0
9.		S. 6.2.6	EC notes that the discussion on potential ice effects did not include any reference to the potential for changes to frazil ice formation and its potential effects	A discussion of the potential for changes to frazil ice formation has been added to the EA Report. Since frazil ice forms in flowing or turbulent water that has become supercooled by heat transfer to overlying air. The rate and the quantity of frazil ice formed in a specified volume of supercooled water increase with both increasing turbulence intensity and decreasing water temperature. The influence of turbulence intensity on the rate of frazil ice formation, however, is more pronounced for larger initial supercooling. The turbulence characteristics of a flow affect the rate of frazil ice formation by governing the temperature to which the flow can be supercooled, by influencing heat transfer from the frazil ice to surrounding water, and by promoting collision nucleation, particle and floc rupture and increasing the number of nucleation sites. The formation of the headpond will result in reduced velocities and substantially reduce the turbulent water at Davis Rapids and Loon Rapids. Therefore, it is considered that the amount of frazil ice formed would be much less than existing conditions and an ice sheet similar to what is seen downstream of the areas of white water on the river would quickly form. A reduction in frazil-ice formation would be a net ecological benefit, especially to overwintering fish populations. Fish tend to avoid areas of extensive build up of frazil ice, as frazil ice can damage the gills of fish. With a reduction in the development of frazil ice, fish habitats will be more suitable for all species of fish.	S-6.2.6
10.		S. 6.2.7.1	EC expects that creation of the proposed headpond will have localised effects on upland vegetation bordering the headpond, particularly in areas of low relief, and this should be acknowledged in the ESR	Localised effects of headpond formation on vegetation bordering the headpond has been acknowledged in the EA Report.	S-6.2.7.1
11.		S. 6.3.1.1	The proponent should note that in addition to the potential effect identified, fine dust fallout on vegetation has the potential to impact leaves by smothering and impairment of photosynthesis	Potential effects of dust fallout on vegetation have been noted in the EA Report .	S-6.3.1.1
12.		S. 6.3.2.2.	In regard to vegetation removal in the reservoir area to reduce the potential for methyl mercury generation, reference was made to grubbing within the headpond. EC assumes that grubbing will not be done below and adjacent to shorelines delineated by the normal operational water level. EC suggests that this be clarified in the ESR to be consistent with the statements made on page 162, notably that grubbing will only occur in certain areas, and that existing vegetation will be removed in the headpond area (s. 6.4.1.1, and s. 6.4.1.2). It is not clear to EC whether this includes woody vegetation, shrubs and herbaceous cover. This should be clarified by the proponent	Grubbing will not occur within 3 m of the Mattagami River or between elevations 243 and 244 m asl in the area of inundation. Only trees will be removed from within 3 m of existing watercourses where required for construction of bridges, access roads, or transmission lines to reduce potential for sedimentation of watercourses. Trees and under storey species will be cleared within the headpond inundation area.	S-6.4.1
13.		S. 6.4.2.1	A very brief discussion was included on wetland habitat affected by the project, however no attempts were made to quantify the extent of wetland loss due to the project and areas expected to replace these habitats in the future[2]. EC is of the opinion that a more detailed assessment and summary of this evaluation should have been included in the ESR to better inform the assessment of long term effects. EC expects that monitoring should also be proposed during the operational period to assess riparian zone/wetland regeneration within the proposed head-pond area to substantially capture the colonization period	As noted in the Draft EA Report, wetlands are an extremely common feature throughout the Project Study Area, and throughout North-eastern Ontario. While localised effects to wetlands may occur through construction and headpond formation, it is unlikely that landscape or regional level effects to wetlands will occur. Since wetland habitat types are prevalent, there is no requirement to provide replacement habitat. Provincially significant wetlands will not be affected by the proposed Project. Vegetation types that may indicate the presence of wetland areas are assessed in detail in the Draft EA Report (S. 6.4.1). In regards to riparian zone regeneration, preparation of an Environmental Monitoring Plan is underway, and will be submitted for agency review and comment prior to release of the final EA Report. The Environmental Monitoring Plan will be included as part of the final EA Report and will include monitoring the headpond for areas of erosion. Regeneration of riparian vegetation is	S-6.4.2

[1] Accessible at the following web site: http://www.speciesatrisk.gc.ca/map/default_e.cfm
[2] Newly inundated areas along the shoreline created by the proposed headponds are expected to provide new wetland resources in the long term

No.	Page	Section	Comment/Question	Responses	Where Addressed in EA Report
				an important component of ensuring the potential for ongoing erosion is limited.	
14.		Table 3.1, p. 51	In EC's opinion, the headpond will also affect the normal transport of ice and the ice jamming potential downstream of the proposed dam.	The potential of the headpond to affect normal transport of ice and ice jamming downstream of the proposed dam has been noted in the Integrated Screening Checklist.	S-3.0
15.		Table 3.1, p. 52	The proposed off-site rock crushing and batching operation should be referenced as a source of dust emissions	Off-site rock crushing and batching has been added as a potential source of dust emissions.	S3.0
16.		Table 3.1, p. 53	MOE Section 4.3, - EC wishes to point out that unclassified wetlands may also be provide substantive ecological function. IRM Section 2.3.3, 2nd bullet - Based on the description provided it is not clear whether the proponent plans to leave some vegetation in place. If riparian vegetation will be left in place, the proponent should specify what criteria will be used to determine what types of vegetation will be removed.	Potential effects on unclassified wetlands have been noted in the EA Report. The proponent plans to leave vegetation in place wherever removal is not required for construction or mitigation measures.	S-6.4.2 S-3.0
17.		Table 5.4, p. 115	In regard to the MNR interest "Potential effects on wildlife and birds", reference was made to an email from EC dated Sept 15/06. EC is not aware of transmitting an email on this subject having this date. The only pertinent email from EC to the proponent was dated June 19/06. This reference should be corrected	The reference contained in the EA Report has been corrected to refer to an email received on September 15, 2005 from M.A. Shaw at Environment Canada.	S-5.6.3 T-5.4
18.		Table 7.2, p. 254 to 256	Some of the potential interactions that are "not anticipated" do not appear credible, notably operational effects on water quality, terrestrial, wetland and aquatic habitat and wildlife. It would be more credible to report negligible or, minor interactions.	Interactions will be re-examined and an explanation added for each interaction, or lack thereof in the final EA Report.	S-7.2.5 T-7.2
19.	p. 127	S. 6.2.2	EC recommends that the extreme flows used for design purposes make allowance for the effects of climate change, notably to accommodate the potential increase in the intensity and frequency of heavy precipitation events. Was this taken into consideration in the 1-in-100-yr and 1-in-10,000-yr flood analysis? It was stated that "overtopping of the dam and powerhouse does not occur up to the 1:10,000 year flood level", and we note that the PMF estimated for this project is twice as much as the 1:10,000 year flood. Typically the emergency spillway is designed to accommodate the PMF. EC recommends that the basis for this design criteria should be fully described in the ESR	Please refer to our response to EC's comment regarding climate change above, as well as the supplementary information provided below. The 75 years of flow data from the Water Survey of Canada (WSC) hydrometric station 04LB001, "Mattagami River at Smooth Rock Falls" was examined and it was found that there was a downward trend in annual runoff volume. Despite the flood of 1996, the peak instantaneous flood events have also had a slightly downward trend over the period of record. The Project design will meet the requirements of the Canadian Dam Association's and Ontario Dam Safety Guidelines as well as the Guidelines and Criteria for Approvals Under the Lakes and Rivers Improvement Act, Ontario Ministry of Natural Resources. In accordance with the above requirements, the Inflow Design Flood based on the hazard classification of the project was selected as the 1:10,000 yr flood, however, the Project can handle the PMF. Therefore, it is considered that there is more than sufficient capacity to pass larger than the design flood should the downward trend reverse and extreme events become more pronounced.	S-6.2.1 S-6.14.1
20.	p. 132	S. 6.1.5.2	The ESR should indicate whether the project design will also meet the Canadian Dam Association's Dam Safety Guidelines and, if not, explain why	The Project design will meet the requirements of the Canadian Dam Association's and Ontario Dam Safety Guidelines as well as the Guidelines and Criteria for Approvals Under the Lakes and Rivers Improvement Act, Ontario Ministry of Natural Resources.	S-6.1.5.2
21.	p. 133	S. 6.2.1.1	The methodology used to determine river cross sections is highly unorthodox. Given that cross section data is on area of hydraulic modelling that can be relatively accurately determined, it would be impossible using the current methodology to do any credible calibration on the hydrologic model to provide a sound basis for the extreme water level predictions and estimated backwater effects upstream. Also, if actual cross section data was not available, it is not clear how the amount of water in the headpond reach was derived (p. 134, 2nd para.). This would also affect any estimates made for flow velocities, and reservoir filling (p. 139) and flushing rates under various discharge conditions	It is common practice where bathymetric data is not available to assume cross-section where top widths are know and then calibrate the model based on know water levels and flows. The headpond will influence flows to a greater extent than the original river levels once the plant is in place. Bathymetric cross sections of the river surveyed at 500 m intervals from Island Falls to the Lower Sturgeon GS were developed in August 2007. The revised HEC-RAS modeling using this data indicated there was an insignificant difference between the levels calculated previously and those based on the surveyed section. The following table shows the difference in water levels at selected locations with and without Island Falls GS in place. The following shows a comparison between the preliminary work carried out and the detailed analyses carried out using bathymetric data. It can be seen that the preliminary river thalweg was estimated slightly above the actual surveyed profile, however, the effect on water levels is minimal.	S-6.2.1

Flow Condition	River Flow (m^3/s)	Lower Sturgeon GS	Thorburn Creek	White Caribou Creek	Loon Rapids	Davis Rapids	Yellow Falls	Island Falls GS
		km43.6	km28.2	km17.1	km8.1	km7.2	km2.4	km0.0
Min. Annual	15	0.00	0.19	0.18	0.25	4.06	10.51	14.20
Single Unit	80	0.00	0.00	0.00	0.00	3.19	12.32	14.19
Mean Annual	103	0.00	0.00	0.00	0.01	3.05	9.68	14.18
Two Units	160	0.00	0.00	0.00	0.00	2.86	9.35	14.14
1:20 yr Flood	1003	0.00	0.00	0.00	0.00	1.30	7.64	13.17
1:100 yr Flood	1164	0.00	0.00	0.00	0.00	1.17	7.43	12.97
1:1000 yr Flood	1414	0.00	0.00	0.00	0.00	0.99	7.16	12.67

No.	Page	Section	Comment/Question	Responses	Where Addressed in EA Report
					

No.	Page	Section	Comment/Question	Responses	Where Addressed in EA Report
					
22.	p. 140	S. 6.2.2.2	It was proposed to "limit the amount of sedimentation to within levels normally observed during spring freshet". As these may not be typical of background levels during the activity generating suspended sediment, EC recommends that total suspended solid (TSS) and turbidity levels should be consistent with recommended thresholds in the Canadian Water Quality Objectives[3] (CWQOs) and Provincial Water Quality Objectives[4] (PWQOs).	The EA Report has been revised to require compliance with Provincial Water Quality Objectives for turbidity (no more than 10% increase in Secchi Disk readings)	S-6.2.4.2 App-K
23.	p. 141	S. 6.2.2.2	In regard to the total pump capacity of 150% of expected seepage rate (p. 141), one pump will not provide the necessary backup in the event of pump failure. Two or more pumps of adequate capacity are needed to accomplish this.	Pump requirements have been clarified to ensure that adequate back-up capacity will be on-hand should an operating pump fail. Pumps will be placed in bermed areas covered with impermeable geotextile fabric to prevent fuel or lubricants from entering watercourses. Total pump capacity will be equal or greater to 150% of the expected seepage rate to ensure a dry construction area in the event of pump failure or unexpected conditions. The proponent will use multiple pumps rather than one large pump to provide a minimum of two main and two back-up pumps. The backup pumps will be capable of handling at least 50% of the expected seepage rate in case of failure of main pumps.	S-6.2.2.2
24.	p. 146	S. 6.2.4.1	The potential for accidents also exists during construction of the access roads docks and transmission lines. The potential for road and culvert washout should also be included in the description under the operational phase (p. 147), along with potential sedimentation effects due to bank slumping and the effects of wave action on newly created shorelines.	The potential for accidents, including washouts, to occur during construction of access roads, docks, and transmission lines has been included in the EA Report. The headpond is not large, and it is unlikely that wave action would contribute to substantial erosion or bank slumping. The effects of inundation on erosion and sedimentation within the headpond are described in Section 6.2.3.	S-6.13.2 S-6.2.3
25.	p. 149	S. 6.2.4.2	In regard to the environmental criteria specified[5] for fill material used for cofferdams and other in water work, a riverine environment will likely not be comparable to a lake, given typical flow conditions in the work area. Therefore, materials used for in-water work should be free of fine particles, notably silt and clay size particles (to minimize turbidity and downstream TSS effects). Please see also our related comments on s. 6.2.2.2 above. In order to ensure that erosion and	The EA Report has been revised to include references to OPSS 182, 518, and 577. It is also noted that fill material for in-water work will be free of fine particles, including silt and clay except where necessary for construction (e.g. earth-fill plug for cofferdams).	S-6.1.3.2 S-6.2.4.2 S-6.4.1.2

[3] Canadian Environmental Quality Guidelines: http://www.ec.gc.ca/CEQG-RCQE/English/Ceqg/Water/default.cfm#aqu
[4] Policies, Guidelines, Provincial Water Quality Objectives of the (Ontario) Ministry of Environment and Energy - July, 1994: http://www.ene.gov.on.ca/envision/gp/3303e.pdf
[5] Fill Quality Guidelines for Lakefilling in Ontario (MOE, 2003)

No.	Page	Section	Comment/Question	Responses	Where Addressed in EA Report
			sediment control measures are appropriately installed and maintained, the CEMP should also reference standards such as the Ontario Provincial Standard Specifications[6], specifically OPSS 182, 518, 577		
26.	p. 165-166	S. 6.4.1.2	EC notes that vegetation clearing and site grading will occur along access roads and at the power station site. A commitment was not made by the proponent to stockpile and re-use any topsoil/organic material to the maximum extent possible for subsequent restoration of all viable terrestrial and wetland habitats disturbed by the project. In order to maintain the integrity of any stripped topsoil, it should be stored appropriately to prevent the development of anaerobic conditions. As not much information is currently provided on the wildlife habitat restoration proposed, EC suggests that more details should be included on this in the ESR	Topsoil storage is discussed in Section 6.1.3 of the Draft EA Report. No wildlife habitat restoration is anticipated to be required to compensate for Project effects due to the limited size of habitat affected, the undeveloped nature of the surrounding area (limited 'restoration' opportunities) and relatively short duration of construction-related effects. As noted within the EA, existing access trails have been used to the extent possible to minimize the amount of fragmentation of terrestrial environments resulting from the Project.	S-6.1.3 S-6.4.1.2
27.	p. 176	S. 6.4.8	In regard to the assessment of net effects on terrestrial habitat and wildlife, it was stated that effects will be temporary and short-term in nature. EC is puzzled by this conclusion, given that upland vegetation in the headpond fringe, vegetation under the new access road route and certain habitat types along the transmission line route will be permanently lost. EC suggests that in order to be credible this conclusion should be amended to acknowledge this loss	Although some habitat will be lost due to construction of the new access road and transmission line routes, and headpond creation, it is unlikely that habitat types will be lost as these habitat types are common throughout the Study Area and indeed, North-eastern Ontario. However, description of the permanence of the limited terrestrial habitat removal along the headpond and access routes has been revised in accordance with EC's suggestions.	S-6.4.1 S-6.4.4
28.	p. 242	S. 6.13.1	Equipment failure or inadequacy, and overtopping of cofferdams were not included in the list of potential events. EC recommends that these potential effects be included, notably, pump capacity and backup (see EC's previous comments on this), and cofferdam design criteria. In regard to dam failure and design criteria, please see EC's comments on this above under "Hydrologic and Ice Issues".	Overtopping of cofferdams has been added to the list of potential events. The cofferdam will be designed to withstand 1:20 year flood events without overtopping. The proponent will use multiple pumps rather than one large pump to provide a minimum of two main and two back-up pumps. The backup pumps will be capable of handling at least 50% of the expected seepage rate in case of failure of main pumps.	S-6.13.1
29.	p. 30	S. 2.3.6	It was stated that the emergency flood channel capacity at dam crest is 30 m^3/s, and that the velocity at this flow would initiate downcutting of the channel. This design flow does not appear to be correct as EC notes that elsewhere in the ESR it was stated that the emergency flood channel is designed to accommodate the Probable Maximum Flood (PMF) discharge rate of 3,893 m^3/s (Table 2.6, p. 42, "Rain", p. 246). This discussion may have been more appropriately included under sections 6.2 & 6.14 under surface water quantity, and rain, respectively. EC requests that the combined capacity of all spillways be also reported In regard to the statement made in the second paragraph on the selected design flood, was peak flow data from a dam break analyses used to help determine the required combined outflows at the project location and the required hydraulic capacity of the emergency channel (to prevent dam overtopping? It would appear that no freeboard allowance was provided for the PMF. Why? EC requests that the above questions be addressed by the proponent.	This recommendation is no longer applicable since the dam/powerhouse structure has been moved to Yellow Falls. As a result of relocation, an emergency flood channel is no longer required. All flood discharges will be handled through the gated spillway. The Inflow Design Flood based on the hazard classification of the project was selected as the 1:10,000 yr flood. There is one metre of freeboard at this flow. Since the PMF is not the design flood, therefore the capability of the Project to handle this extreme event without freeboard provided is considered to be acceptable. This is even less of an issue at Yellow Falls as the structure is a concrete gravity dam.	S-2.3.4
30.	p. 37	S. 2.4.1.3	EC notes that aggregate crushing and processing facilities will be required at temporary borrow pit and quarry sites. EC recommends that potential air quality impacts on any sensitive receptors downwind of these sites should be addressed by the proponent.	As a result of stakeholder consultation, the Project has been moved to Yellow Falls, approximately 2 km upstream from the previous location. In accordance with project relocation and redesign, aggregate requirements have changed. A rock quarry will not be needed. However, a concrete batching plant and aggregate resources will be required. The effects of these project components, including any effects on air quality, will be assessed in the final EA Report.	S-2.3.11.1 S-6.3.1 S-6.3.3.1
31.	p. 40	S. 2.4.2, 2nd para	The reference to headpond water storage should be reworded to read: "No additional water above operational level"	The reference to headpond water storage has been reworded as recommended by EC	S-2.4.2
32.	pp. 151 to 152	S. 6.2.5	Mercury Methylation) – A very brief discussion was provided on the factors leading to methyl mercury generation and bio-accumulation in fish, and monitoring of mercury in fish tissue is proposed to determine whether levels will be impacted by the project (s. 8.4.2.5, p. 277). EC recommends that an analysis should be undertaken to determine expected changes to methyl mercury levels[7] in the headpond area and downstream. Also, related health hazards related to consumption of fish were discussed (s. 6.8.10.1[8], p. 223). Details were provided in the Volume 2 (Appendix G1 Aquatic Assessment, Appendix VI Methyl Mercury Assessment, November 2007) on the factors controlling methyl mercury production and concentration in aquatic biota, sampling methods and results. We note that some sampling methods used were undertaken using protocols recommended by EC scientists. In regard to the baseline studies documented in Appendix VI we have the following comments: • Attachment C, "Methyl Mercury Sampling Data" on Page 25 indicates that only 4 Walleye and 4 White Sucker were sampled for mercury in Area A. Only 3 Walleye and 4 White Sucker were	In this assessment of mercury in fish of the Mattagami River, a total of 15 walleye and 19 white sucker were sampled in the complete study area. The data, when plotted (Figure F3-1) do not indicate any major differences in mercury body burdens among the three sub-locations (i.e., A, B, C). The data then can be used collectively as a baseline against which samples collected from fish after dam operation can be compared against. Post operation it makes sense to collect the proposed number of fish in an area downstream of the dam (Area A), and within the headpond (Areas B and C) since body burdens of mercury in the flesh of fish may differ somewhat, as was observed in the Groundhog River in the vicinity of the dam at Carmichael Falls. Additional data (not reported in the EA) were collected as part of ongoing baseline studies in 2007, and will be collected again in 2008. Efforts will be made in 2008 and in subsequent sampling events to determine the gender of fish from which samples are collected, as per Environment Canada's (2002) recommendations. Mercury in fish tissues varies with the size of fish. In order to compare mercury body burdens from two locations, it is necessary to ensure that the sizes (length) of fish are comparable. This is done either by restricting the size classes of fish that are sampled, or sampling from a broad range of size classes, and comparing the relationship between body burden and size of fish among locations. The relationship between body burden and fish size can then be used to estimate the mercury body burden for a fish of a standard size, normally 40 cm. The approach taken in 2006 was to sample fish of a variety of sizes. There is no guarantee that future sampling events will be successful at capturing a specified size class, so sampling a broad range of sizes of fish in the baseline condition is a more appropriate methodology.	S-6.2.5 App-K

[6] Please refer to provincial web site <https://www.raqsb.mto.gov.on.ca/techpubs/ops.nsf/OPSHomepage> for more info on OPSS, notably Volume 1 which includes: OPSS 182- General Specification for Environmental Protection and Construction in Waterbodies and on Waterbody Banks; OPSS 518 – Construction Specification for Control of Water from Dewatering Operations; and, OPSS 577 Construction Specification for Temporary Erosion and Sediment Control Measures

[7] Considerable research has been undertaken on this issue in Experimental Lakes Area <http://www.dfo-mpo.gc.ca/regions/central/science/enviro/ela-rle_e.htm> and reported in scientific literature (e.g., Bodaly et al., etc.)

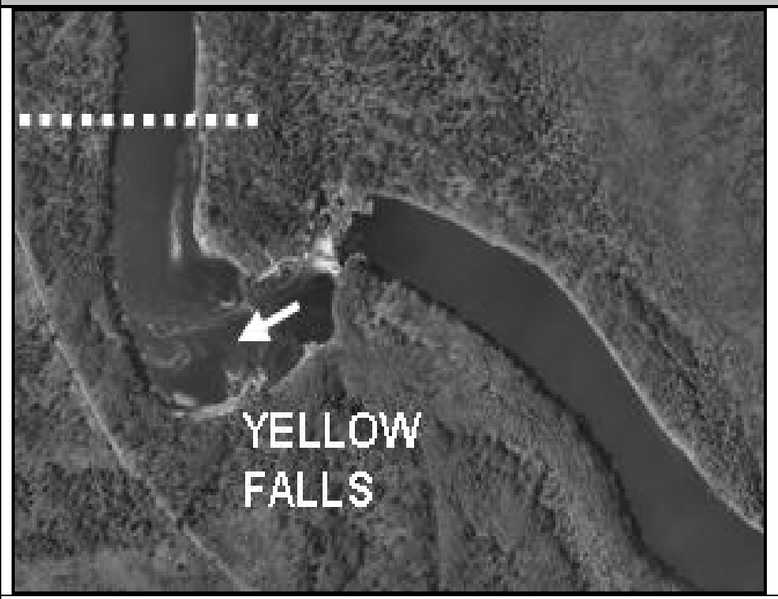
[8] Incorrectly references Section 6.2.3.6 – no such section in the ESR!

No.	Page	Section	Comment/Question	Responses	Where Addressed in EA Report
			sampled for mercury in Area B. Only 4 Walleye and 8 White Sucker were sampled for mercury in Area C • Environment Canada's Metal Mining Environmental Effects Monitoring (EEM) Guidance Document dated June 2002 states that, "Tissue analyses should be conducted on 8 samples (to achieve 95 % power) of a single species from the exposure area and the reference area. If possible, the samples should be of one sex and age class. If this is not possible, then the sex of each fish making up the sample should be reported. If fish are not of the same age class, the age classes of the fish should be consistent between the sampling areas." • The number of samples per area in the 2006 study are inadequate to achieve sufficient statistical power to draw appropriate conclusions or to make appropriate inferences. Hence, the discussion section of this document cannot be supported without further sampling. • Table VI2-1 shows data ranging from 1975 to 1991. Seventeen year old mercury tissue analysis data is of little value in determining the potential to affect the Mattagami River fish population after the hydro generating station is built. Therefore, EC recommends that: o The fish tissue baseline study should be conducted again with adequate numbers of fish being sampled to achieve the appropriate statistical power. o All feasible mitigation strategies should be employed to minimize methyl mercury accumulation in fish since the river is a recreational fishery and fish are consumed. Since there is very little that can be done to reduce the methyl mercury accumulation once it occurs, it's important to maximize preventative measures. EC suggests that Health Canada be asked to comment on the potential for impacts to human health from any expected increases in concentration of methyl mercury in fish. o Follow up fish tissue monitoring for mercury should be conducted yearly after the basin has flooded since many people use the Mattagami River for recreational fishing. It was stated in the ESR that methyl mercury concentrations are '*expected to decline 10 to 20 years after inundation'*. In EC's opinion the operational monitoring period proposed (i.e., 'several years') will likely need to be extended to better identify trends, particularly if results show an upward or level trend in mercury levels in fish. This prediction should be verified by an appropriately designed monitoring program. EC requests that all proposed operational water quality monitoring, fish sampling and tissue monitoring protocols developed by the proponent be provided for our review when available. The fish sampling and monitoring protocols should be designed to adequately capture all significant components of the aquatic food chain	The purpose of presenting the data collected from 1975 to 1991 was to put into perspective the body burdens observed in the study area, not necessarily to assist us in estimating the post-construction mercury body burdens. YFP agrees that continued monitoring is necessary. A Construction and Post-Construction monitoring plan is being developed, and will be provided to the appropriate agencies for review and comment. At the present time, YFP intends to clear woody materials from the area to be inundated by the headpond, as woody material is understood to contain or promote the production of methyl mercury.	
33.	pp. 166-167	S. 6.4.1.2	EC strongly supports the rehabilitation of exposed soils and areas temporarily disturbed during project implementation. However, natural regeneration may be a better restoration option if the soils are not erosion prone or adjacent to areas colonized by invasives. In regard to operational monitoring of revegetated areas, it is not clear to EC how long monitoring will be carried out. In order to be effective, at least a five year monitoring program would be required. In areas where replanting is necessary, and in order to be consistent with objectives of the Canadian Biodiversity Strategy (i.e., to preserve the biodiversity of surrounding vegetation and ecosystems) and provide suitable habitat for migratory birds and other wildlife, we strongly support the proposed re-vegetation of any disturbed or restoration areas using native plant species. Plants used should be indigenous to the area to the maximum extent possible, and also well adapted to the site conditions and uses. *The use of invasive species to restore natural areas should be avoided.*	Re-vegetation will not use non-native or invasive species. The proponent has committed to developing appropriate seed mix and planting plans in conjunction with the District MNR Office.	S-6.4.1.2

2.2 FISHERIES AND OCEANS CANADA COMMENTS

No.	Page	Section	Comment/Question	Response	Where Addressed in EA Report
1.			As in the 2006 report, area B seemed to be under-sampled in 2007. It is understood why sampling effort was focused around Yellow Falls in 2007, but it was partly based on assumptions from a limited data set from 2006. Seems like the function of Area B with respect to fish habitat is not completely detailed/understood.	To clarify, sampling focus in 2007 was at the base of Island Falls, with Area B receiving less emphasis (similar to 2006). About 7x more gillnetting was conducted in Area A in the spring of 2006 than was conducted in Area B that same year. Sturgeon were collected in Area A in the spring, and not in Area B. Fishing effort was higher in Area A in the spring in part because the area being fished was larger. Gill nets were set in areas where fish were expected to be caught, as well as in areas where fish were not expected to be caught. The fishing methodology was conducted to support the refinement of Habitat Suitability Models for the four key species. Fish collection effort in late summer/fall was more evenly distributed to Areas A and B (in 2006) with about 3,000 hrs of gillnetting in each area (slightly more in Area B). Numbers of sturgeon were about the same spring vs summer/fall in Area A, i.e., about 40 fish. That finding would tend to suggest that if sturgeon were present in Area B during spring that they would have been present in roughly the same numbers in the summer/fall. The lack of fish in summer/fall in Area B suggests that sturgeon were not there in the spring. Given that Golder did not find sturgeon in Area B in the spring of 2007 either, while catching male sturgeon at the base of Island Falls in the spring, further supports the conclusion that Area B is less suitable for sturgeon generally, specifically for spawning. Sturgeon, being relatively lazy swimmers, appear to stop moving upstream when they reach Island Falls. Also, it is important to note that in Spring 2008, YFP made the decision to relocate the dam/powerhouse structure to Yellow Falls, approximately 2 km upstream at the upstream terminus of "Area B," based on consultation with stakeholders during the Draft EA Review period. As a result, fish or fish habitat in Area B will no longer be affected by the proposed headpond.	N/A
2.			N.B.: There is a possibility that DFO-Science will also review this document, but unfortunately I won't be able to provide any of their comments at this time.	Noted. If DFO Science has any additional comments, we would appreciate receiving them as soon as possible, as we are moving toward finalisation of the Final EA. We will endeavour to address comments from DFO Science if received.	N/A
3.		Appendix G	There has been some discussion regarding continued sampling on site until ground breaking to ensure a large as possible baseline data set. There is no mention of proposed sampling for 2008. Please elaborate.	Annual sampling will continue prior to construction and for a number of years following construction. In 2008, YFP plans to continue gathering baseline data for use during post-construction monitoring. However, 2008 sampling will not be complete prior to release of the Final EA Report. Golder is in the process of finalizing work plans for baseline data collection field programs to be completed in 2008 that will contribute to the understanding of fish and fish habitat related to development at Yellow Falls and upstream locations potentially affected by the Project for use during long-term monitoring.	App-K
4.		Appendix G1, Appendix V	Was any benthic sampling completed in 2007? Any planned for 2008? Additional years would be useful if benthics will be used for monitoring of river health post-construction. Number of samples sites seems low.	A total of 26 stations were sampled using various methods. Each station was sampled twice. Stations were placed on several different substrate types and a variety of existing and artificial substrates were sampled. No benthic sampling was included in the work program carried out by Golder in 2007. Baseline benthic sampling will be conducted in 2008 for future comparison to benthic sampling conducted as part of the post construction monitoring plan. DFO and MNR will be consulted during development of the benthic sampling program for 2008.	S-3.0 App-V
5.		Appendix G5	Compensation options in Area B should be investigated further. Cost effectiveness should not be the sole reason for dismissing these options if works in this area may result in a Net Gain of productive capacity for this stretch of the river.	The Project has been relocated from Island Falls to Yellow Falls following publication of the Draft EA Report. As a result, there are a number of habitat compensation options currently being explored. We will be continuing compensation discussions with the DFO and MNR once we have assembled additional information.	App-G4
6.		Appendix G5	The option MNR presented regarding Loon Rapids should be considered and discussed in detail.	It is assumed that the MNR's comment regarding Loon Rapids was meant to help achieve MNR's draft management goals for this section of river, which included *The maintenance of existing habitat diversity within the Mattagami River segment enclosed by the Smooth Rock Falls and Lower Sturgeon generation facilities.* Under the original Island Falls project concept, reduction of the headpond elevation to maintain Loon Rapids in its current state is not an economically viable Project alternative. This alternative resulted in less power generation (due to reduced head), but still required the construction of a long dam structure at Island Falls. However, in response to comments received from various agencies and the local community, Yellow Falls Power has relocated the project from Island Falls to Yellow Falls. Consequently, a section of turbulent water will remain between Lower Sturgeon GS and Smooth Rock Falls GS to maintain habitat diversity within this section of the Mattagami River. In addition, the known spawning location for several fish species at the base of Island Falls will not be affected by the Project. The Yellow Falls design results in reduced power generation, however the cost of construction is also reduced due to the dam design proposed for the Yellow Falls site.	N/A
7.		Appendix G5	Discussion of post construction monitoring is minimal. Effectiveness monitoring is essential to any compensation plan.	Preparation of an Environmental Monitoring Plan is underway, and will be submitted for agency review and comment prior to release of the final EA Report. The Environmental Monitoring Plan will be included as part of the final EA Report.	App-K
8.	1	Appendix G5 Introduction	What 2005 aquatic assessment work is being referred to?	Initial aquatic sampling was carried out in October 2005, as referenced in Appendix G1	N/A
9.	1	Appendix G5 1.1	Makes reference to DFO policy, however, habitat compensation plans should reflect MNR fisheries management goals for this stretch of river. These goals should be detailed in this section and reflected in development of compensation options.	The MNR's Draft Management Goals have been added to the compensation report. YFP is proceeding on the basis that no significant alterations or amendments to these draft goals are anticipated.	App-G4
10.	105	Design of Aquatic Assessment Program	Referring to sampling program being developed in close consultation with DFO gives the impression that aquatic sampling program was approved by DFO which is not the case. General comments on the program and questions that would likely arise were provided, however the fact that DFO indicated concerns regarding the limited amount of time available for sampling prior to construction is not reflected in this statement.	This statement has been clarified to indicate that the Aquatic Sampling Program incorporated feedback from the DFO, but was not approved by the DFO.	App-G1
11.	107	Friends of the Mattagami	Same as above. Does not reflect DFO concerns regarding limited time for sampling program prior to planned construction. DFO does not approve aquatic sampling work plans.	This statement has been clarified to indicate that the Aquatic Sampling Program incorporated feedback from DFO, but was not approved by the DFO. .	App-G1

No.	Page	Section	Comment/Question	Response	Where Addressed in EA Report
12.	11	Appendix G5 3.3.1	This is not compensation. It is mitigating a HADD of the spawning habitat downstream of Island Falls and should be considered part of the project scope. Is there enough data from the 2006/07 sampling to correctly determine required flows and timing of flows?	This comment is no longer applicable as the Project has been relocated to Yellow Falls, approximately 2 km upstream. Therefore, spawning habitat at Island Falls will not be affected.	N/A
13.	11	Study Area	Indicates that the Study Area extends from the Town of Smooth Rock Falls south to Lower Sturgeon GS. Aquatic sampling area is smaller than this.	This is correct. Since the EA process must take into account a wide variety of environmental features and effects, including socio-economic effects, a large study area is initially formed, which is then narrowed to potentially affected features during the course of investigations. As such, field work pertaining to the EA is conducted at a more detailed level, resulting in an aquatic sampling program focused on the the areas potentially affected by the Project.	S-1.10.1
14.	114	DFO	Same as above. First bullet much better description of consultation. DFO indicated at the time that even with consultation there were no guarantees that the limited sampling set would fully meet the needs of a DFO review.	This statement has been clarified to indicate that the Aquatic Sampling Program incorporated feedback from DFO, but was not approved by the DFO.	App-G1
15.	12	Time Frame	States that construction will start in late 2007. Is this correct?	Construction is now planned to start in Quarter 4 of 2008 pending regulatory approval. The EA Report has been revised to clarify the anticipated construction date.	S-1.10.2
16.	13	Appendix G5 3.3.2	Additionally information will be required regarding proposed expansion of the existing spawning shoal (e.g., flows, depths, dimensions). A concern is that the shoal would be expanded at the expense of existing pool habitat.	This comment is no longer applicable as the Project has been relocated to Yellow Falls, approximately 2 km upstream. Therefore, spawning habitat at Island Falls will not be affected.	S-2.4.1.1
17.	138	6.2.2.1	Will back up pumps be on site in case of failure?	Yes, back-up pumps will be on site in case of failure. The EA Report has been revised to clarify pump requirements with regards to back-up capacity as follows, “The proponent will use multiple pumps rather than one large pump to provide a minimum of two main pumps and two back-up pumps. Back-up pumps will be capable of handling at least 50% of the expected seepage rate in case of failure of main pumps.”	S-6.2.2.2
18.	142	6.2.3.1	Elaborate under "Construction", i.e., limited inundation, alteration to flow patterns downstream, etc.	Project construction will be carried out in two stages. Stage 1 will involve the construction of the powerhouse and four or five bays of the spillway structure on the left bank and the retaining wall on the right bank. The ogee (curved outlet) sections of the spillway will not be constructed at this stage. Once this Stage 1 work is complete, Stage 2 works will begin. The cofferdam will be constructed and river flow will pass through the spillway bays completed in Stage 1. The remainder of the spillway would then be constructed to close the structure. The cofferdam will be designed to accommodate flows up to the 1:20 year flood level with an allowance for freeboard. The cofferdams will be removed once construction of the remaining spillway bays including the ogees is complete. Drawing 304 (attached – please see last page) shows revised cofferdam arrangement for the Yellow Falls location. Cofferdams will be designed for the 1:20 year flood event. The restriction resulting from the construction of the cofferdam would result in a water level rise of less than two metres above normal levels at the cofferdam location. Downstream flow pattern changes will occur immediately below the powerhouse structure as a result of the increased volume of water exiting the powerhouse. Yellow Falls already exhibits increased flow over the south side of the river bend, as evidenced by depositional formation on the east river bank (below dashed line). This flow pattern is not expected to substantially change during the period that the cofferdam is in place. Following cofferdam removal, multiple bays will allow spill to be dispersed across the river. However, flow will still be concentrated on the south side of the river due to the powerhouse location. The arrow shown on the photo below indicates the direction of flow from Yellow Falls. It can be seen that under existing conditions the flow is directed towards the left downstream bank of the river. Under existing conditions, the bend in the river concentrates the water flows along this bank. As the river straightens following the bend, the river flows spread more uniformly across the river, creating a less concentrated flow. Following project construction, a very similar flow pattern will occur. Although more concentrated flow may form slightly left of its current location under certain flow conditions, flows will dissipate as the river straightens, as under existing conditions. Flow patterns will return to preconstruction conditions by the time they reach the dashed line shown in the photo, some 500 m downstream of Yellow Falls and 2 km upstream of Island Falls.	S-6.2.3.1

No.	Page	Section	Comment/Question	Response	Where Addressed in EA Report
					
19.	146	6.2.4.1	Will rock to be used for dam construction be tested for potential ARD prior to use?	As recommended by EC, site assessment and mitigation, if required, will follow *Mine Rock Guidelines Design and Control of Drainage Water Quality* prepared for the Saskatchewan Environment and Public Safety Mines Pollution Control Branch (Steffen, Robertson, and Kirsten, 1992). Initially, a site assessment, performed by a qualified hydrogeologist, will take place to determine the types of rock, sources of contaminants, the need for, and the type of further investigations. If further investigations are indicated, detailed laboratory studies and/or field studies will be carried out. In the event that rock exhibits potential for ARD, appropriate subsurface use may reduce potential for sulphide oxidation since the rock will be less exposed to weathering. If mitigation becomes necessary, measures will be discussed with relevant agencies prior to implementation. Mitigation measures may include: ▪ Conditioning rock ▪ Covers and seals ▪ Underwater deposition ▪ Segregation and Blending ▪ Base additives. Rock types exhibiting the potential to contribute to ARD will not be used in locations where it will be exposed to weathering. It should also be noted that due to Project location and design changes, rock-protected embankment dams will no longer be used, limiting the potential for ARD.	S-6.2.4
20.	147	Water Temperature	Please elaborate on expectation of water temperatures to increase above baseline.	Water temperature is not expected to substantially increase above baseline conditions. Stantec's monitoring experience for the similarly sized Carmichael Falls, Long Sault, and Shekak Hydroelectric Plants indicate that water temperature in upstream, headpond, and downstream regimes following commencement of operation remains well within the 2006 Canadian Environmental Quality Guidelines for protection of cold-water biota.	S-6.2.4
21.	15	Step 2 CEAA	Is it possible to indicate why screening level and not comprehensive study, e.g., make reference to inclusion list?	Reference to the inclusion list and reasons why a screening level EA has been conducted for the Project have been indicated in the EA Report as follows: The need for the RA to undertake a comprehensive study is determined by the *Comprehensive Study List Regulations*. Hydro power projects on the *Comprehensive Study List Regulations* include (DFO, 2006): ▪ Construction, decommissioning, or abandonment of waterpower projects with a capacity of 200 MW or more, ▪ Expansion of an existing waterpower project that would result in an increase of capacity of 50 percent or more and 200 MW or more. Since the Yellow Falls Project has a proposed nameplate capacity of 16 MW, it has been determined by the RAs that a screening level EA must be carried out, and preparation of an Environmental Impact Statement ("EIS") is required.	S-1.11.4

No.	Page	Section	Comment/Question	Response	Where Addressed in EA Report
22.	179	paragraph 2, first sentence	"Will have little effect on fish habitat upstream of the dam" Should this read "downstream"?	This sentence has been removed.	S-6.5.1.1
23.	179	Paragraph 3 "The loss of riffle…."	Should indicate that these conclusions were made based on 2 years worth of sampling (and a 17 year old telemetry study?). Indicates that lake sturgeon and pike are maintained partly by downstream drift of juveniles and adults, is there a reference for this? Larval drift has been considered in aquatic sampling to date, but what about juvenile and adult? Is there habitat mapping of the remainder of this stretch of river to support the final sentence?	The EA Report has been revised to indicate that this conclusion is based on two years of sampling, and a telemetry study published in 1990. The paragraph has also been rephrased to indicate that we "suppose that at least some of the pike, sucker and sturgeon in the downstream reach are supported by drift of fish from the upper reach". There are no data to indicate how much downstream drift occurs, but we must assume that it does occur at least to some extent. We do not have habitat mapping of the reaches upstream of Loon Rapids. The last sentence will be rephrased to say "*There are thus ~~many~~ alternative spawning areas for each of the four target species, such that they will be unaffected by the proposed headpond*."	S-6.5.1.1
24.	183	6.5.1.2.1.1	Elaborate why 20% of average monthly flow for May was chosen as correct amount of flow. Has any modeling been completed to ensure that vectors and velocity of water from chute spillway are correct? Please provide.	The powerhouse/dam is now proposed to be constructed at Yellow Falls. Flows through the riffles at Island Falls are unchanged, thus maintaining the spawning potential of that area.	S-6.5.1.1
25.	189	6.5.2.2	At what flows and how often will lake sturgeon be able to pass over the sluiceway?	The Project has been relocated from Island Falls to Yellow Falls as a result of stakeholder comments received during public and agency review of the Draft EA Report. As a result, no sluiceway is required for the revised Project design.	S-6.5.2
26.	190	6.5.3.1	Reference section where benthos data is available.	Benthic data is available in Appendix G1-V. This reference has been added to the EA Report.	S-6.5.3.1
27.	20	Table 1.2	Only lists HADD (section 35) under DFO. Possibility for more triggers under the Fisheries Act e.g., section 32 for blasting, 20, etc.?	Other potential triggers under the Fisheries Act, including the following, have been added to the EA Report: ▪ Blasting in or near waterbodies ▪ Fish passage ▪ Provision of water flows ▪ Destruction of fish by means other than fishing	S-1.11.7.1
28.	25	Head pond level	Please provide more details regarding head pond level determination, e.g., "reduction below level of Loon Rapids".	Since the dam/powerhouse location has been moved to Yellow Falls, this statement is no longer applicable.	N/A
29.	26	Project components	Details on water crossing of Red Pine Rd., etc. will be required if there is a potential for in-water work. If these details are later in the document, make reference to location.	Details of water crossings are described later in the document. A reference to the appropriate section has been added to the EA Report. Water crossings will comply with the MNR *Environmental Guidelines for Access Roads and Water Crossings* (1990). Clear span bridges proposed for river or stream crossings will be constructed according to the DFO's *Clear Span Bridges Ontario Operational Statement* (undated). Transmission line installation across waterbodies and wetlands will follow the DFO's *Overhead Line Construction Ontario Operational Statement* (undated).	S-6.2.4.2
30.	30	2.3.5	First sentence: "provide water flow over water flow" Please clarify and if there are drawings detailing this please reference	This sentence contains a typographical error. The sentence had been revised to read "provide water flow over." Subsequently, the dam/powerhouse project location and design was changed, making this report section extraneous.	S-2.3.5
31.	31	2.3.7	Label north and south dam on drawings in Appendix A	This comment is no longer applicable since the revised dam/powerhouse location does not require north and south embankment dams.	S-N/A
32.	31	2.3.8	Clarify if head pond begins at base of Loon Rapids or if Loon Rapids will be inundated. Referring to head pond extending to Loon Rapids sounds like Loon Rapids will not be inundated.	Loon Rapids will be inundated. HEC-RAS profiles developed for the Project indicates that water level will increase by 0.1 m on average approximately 5.7 km upstream from Yellow Falls.	S-2.3.6
33.	33	2.3.12	Will require details on the effect of quarrying on groundwater or surface water, if any.	Quarrying is not anticipated to affect ground or surface water. There are no watercourses on the proposed quarry site. In the area of excavation which will stay above the established water table, drainage will follow the excavated (blasted) slopes and percolate through the fractured rock into the established water table	S-2.3.11
34.	33	2.3.13	Will require details on dock construction. Floating docks may be covered by DFO's operational statement; however dock for barges, etc. may not if infilling is required.	The revised dam/powerhouse design does not require the use of docks for barges or for the portage route. However, a boatramp will be required for a boat launch at Yellow Falls. Mitigation and protection measures outlined in DFO's operational statement entitled "Dock and Boathouse Construction" will be followed.	S-2.3.10
35.	37	2.4.1.1	What are the effects of staging construction on downstream flows and habitat? Timing ? During spawn, etc.?	Effects of the project are discussed in the effects, mitigation, and protection measures section of the EA Report. Project construction will be carried out in two stages. Stage 1 will involve partial construction of the powerhouse and three bays of the spillway structure on the left bank. During the first stage of construction, no change to downstream flows and habitat will occur as these works will be occurring on the bedrock river banks. Once Stage 1 is completed, a cofferdam will be constructed and river flows will pass through the powerhouse and spillway bays completed in Stage 1. The cofferdam will be designed to accommodate flows up to the 1:20 year flood level with an allowance for freeboard. Cofferdam will not be constructed during the spawning window. Following cofferdam construction, flow patterns and therefore fish habitat will change immediately downstream of Yellow Falls (i.e. within 500 m) since river flow will be diverted through the structures constructed during Stage 1 (see comment #18 for further discussion on downstream flow changes). Coffer dams will be in place for approximately 8 months. Following cofferdam removal, all spillways will be operational. Staging construction in this manner limits the amount of time in-stream work occurs and ensures downstream flows are maintained at all times.	S-6.2.3 S-6.2.4 S-6.5.1
36.	5	Appendix G5 2.2.2, last bullet	Should consider decrease in diversity also	The potential effect of a decrease in benthic diversity has been added to the Compensation Report	App-G4
37.	75	4.5.5	Study indicates that target species were selected "in consultation" with DFO and MNR. This is imprecise. DFO did not provide consultation on target species.	This statement has been clarified to indicate that target species were selected using feedback from the MNR and DFO on the 2006 Aquatic Sampling Plan as per the meeting of March 16, 2006 and E-mail dated February 28, 2006, not specific consultation on selection of target species.	S-4.5.5
38.	76	4.5.5.1	"Abundances of these morphological features within the Study Area are generally similar to occurrences elsewhere in the middle reaches of the Mattagami River". Please reference and elaborate (e.g., mapping of similar habitat elsewhere, etc.). How rare is the habitat at the site?	This sentence refers to pool and run habitat, which is generally considered to be highly prevalent on the Mattagami River. These habitat forms are not rare in most river systems.	S-4.5.5.1
39.	76	Area A	Please elaborate on "low reproductive numbers" for lake sturgeon. What is the population's dependence on downstream migration from upstream populations. Is the population self-sustaining?	Of the 42 lake sturgeon caught in the spring of 2006 in Area A, five were adult females. There is no way to know how many adult females were actually at the base of Island Falls, because a specific mark-recapture study was not carried out. Of the 15 fish collected in Area A in the spring of 2007, none were confirmed as female. Randall (2008) found that the average female adult sturgeon requires (or uses) between ~ 15 and 50 m^2 of riffle habitat for spawning. This required surface area can be used to estimate the number of fish that a	S-4.5.5

No.	Page	Section	Comment/Question	Response	Where Addressed in EA Report
				riffle can support. At Island Falls, with a riffle of some 70 to 100 m wide (i.e., across the river), and some 5 to 10 m in width (i.e., in a downstream direction), the riffle could support somewhere between 7 and 67 female fish per year (or not many more fish than were actually caught in 2006). It is not clear if that number of fish would be sustainable in the long term. Velez-Espino and Koops (2007) estimate that ~1200 spawning females per year are required to produce a viable and long-term (40 generations) sustainable population of sturgeon. If correct, the Velez-Espino and Koops (2007) model would suggest that there are not enough female sturgeon below Island Falls to be sustainable. On the other hand, the sturgeon population at Island Falls is a naturally fragmented stock with natural barriers at Yellow Falls and Smooth Rock Falls. Further, there never has been enough spawning habitat at the base of Island Falls to support 1200 spawning female sturgeon (using above habitat-per-female assumptions), yet the stock has been sustainable over historic time periods. The stock has been sustainable either because (1) Velez-Espino and Koops (2007) are incorrect and a much lower number of female fish can be sustainable (possible), (2) there are very significant inputs to the Island Falls stock from upstream reaches (possible), or (3) spawning occurs elsewhere in the reach between Island Falls and Smooth Rock falls (unlikely). The upstream reach (between Loon Rapids and Lower Sturgeon Falls is similarly fragmented because of natural barriers at Lower Sturgeon and at Yellow Falls. That local stock has also been sustainable over historical time periods, such that the local spawning population would appear to be adequate for supporting the local stock within the confined reach. So in short, the local stock of sturgeon between Island Falls and Smooth Rock Falls is probably generally self sustaining, but may receive some inputs from upstream.	

2.3 TRANSPORT CANADA COMMENTS

No.	Page	Section	Comment/Question	Response	Where Addressed in EA
1.		Section 6.8	No person shall permit any tools, equipment, vehicles, temporary structures or parts thereof used or maintained for the purpose of building or placing a work in navigable water to remain in such water after the completion of the project.	Potential effects to navigation and mitigation and protection measures as recommended by Transport Canada have been included in the EA Report.	S-6.8.6
2.		Section 6.8	Where a work or a portion of a work that is being constructed or maintained in a navigable water causes debris or other material to accumulate on the bed or on the surface of such water, the owner of that work or portion of that work shall cause the debris or other material to be removed to the satisfaction of the Minister.		
3.		Section 6.8	All vessels shall be permitted safe passage through the construction site, and assisted as necessary.		
4.		Section 6.8	Upon completion of all construction, an appropriately/safely placed portage including clearly marked entry and exit points must be installed on the upstream and downstream side of the generating station.		
5.		Section 6.8	The portage must be maintained to provide access around the structure during the normal navigation season from May to September.		
6.		Section 6.8	Portage signs must be placed 100 metres upstream and/or downstream of the subject portage access's advising boaters of the portage location.		
7.		Section 6.8	Safety booms must be placed 50 m upstream from the generating station and 50 m downstream from the generating station.		
8.		Section 6.8	All safety booms must be international orange in colour.		
9.		Mitigation with respect to the bridge over the Muskego River:	No person shall permit any tools, equipment, vehicles, temporary structures or parts thereof used or maintained for the purpose of building or placing a work in navigable water to remain in such water after the completion of the project.		
10.		Mitigation with respect to the bridge over the Muskego River:	Where a work or a portion of a work that is being constructed or maintained in a navigable water causes debris or other material to accumulate on the bed or on the surface of such water, the owner of that work or portion of that work shall cause the debris or other material to be removed to the satisfaction of the Minister.		
11.		Mitigation with respect to the generating station:	Warning signs must be placed 100 m upstream and downstream of the site until completion of the project.		
12.		Mitigation with respect to the bridge over the Muskego River:	The draft report also indicates that there will be a need to construct docking facilities to accommodate the construction activities. These facilities do not appear to have been mentioned in the earlier NWPA application package. Therefore, the proponent is advised to submit an application for these docks as soon as possible. However, since the docks are not likely to cause any additional interference to navigation beyond that already posed by the generating facility itself, Transport Canada anticipates that the above-noted mitigation measures will likely be sufficient to address the docks as well.	A boatramp for recreationally-sized watercraft (i.e. small motorboats) will be required at the Yellow Falls Location during operation. An application for construction of the dock will be submitted to Transport Canada prior to dock construction.	S-6.2.4.2
13.		Section 6.8	In Section 6.8, add a component to address potential impacts to navigation. This section should indicate that it has been determined that the generating station may result in an interference with navigation on the Mattagami River. In addition, the access road crossing the East Muskego River may similarly result in an obstruction to navigation, particularly during its construction. The following mitigation measures should then be identified:	A component addressing potential effects to navigation has been added to the EA report detailing the mitigation measures described in Transport Canada's comments.	S-6.8.6
14.	Page 20		Page 20, Table 1.2: change the term "navigation clearance" to "NWPA approval" and "Marine Division" to "Marine Safety"	The term "navigation clearance" has been changed to "Navigable Waters Protection Act approval" in the EA Report. The reference to the Transport Canada "Marine Division" has been changed to "Marine Safety".	S-1.11.7.1 T-1.2

2.4 FEDERAL OUTSTANDING COMMENTS

Source	Comment	Explanation of how comment was addressed (proponent)	Where Addressed in EA
NRCan	Mineralogical and geochemical compositions of underlying bedrock	Rock will undergo testing for potential to contribute to metal leaching and ARD prior to construction. Analysis will generally follow guidelines produced as part of the MEND (Mine Environment Neutral Drainage) Program. If potential for ARD or metal leaching exists, mitigation measures will include those suggested by Environment Canada as well as those recommended in documents created by the MEND program. Any mitigation or protection measures suggested by Natural Resources Canada would also be taken into consideration.	S-6.2.4
NR Can	Geochemical and mineralogical investigations to assess the potential for acid rock drainage that may result from rock excavations as a result of the project activities.		
Environment Canada	On page 1 of the response table (Item 1) the ARD reference that was included in our January 2008 letter of advice should be updated. The updated references (and mitigation examples) are included in the following advice that was recently provided ot the Ontario Ministry of the Environment (MOE) on examples of mitigation (to address the environmental issues in bold) on the Waterpower Class EA being developed by the Ontario Waterpower Association: Issue: Contamination of Surface Waters and/or Ground Waters through releases of Contaminated Drainage, or Acid Rock Drainage (ARD) if the Potential for ARD exists, due to exposure of pyretic rocks or highly mineralized rocks containing heavy metals (construction and operational phases) <u>Examples of Mitigation:</u> • Avoid or minimize exposure/excavation in rocks having highly leachable and/or reactive contaminants (e.g., heavy metals, pyrite minerals, potash, etc.) • Control of the amount of surface area exposed to leaching from natural processes (e.g., precipitation; freeze thaw, temperature variation, desiccation, etc. contributing to further fragmentation; etc.) • Control of the oxidation and acid generating processes - Control of contaminant migration - Collection and treatment of contaminated drainage More details on associated information requirements to address the potential for ARD, including more specific mitigation measures are available in the following references: 1. List of Potential Information Requirements in Metal Leaching, Acid Rock Drainage Assessment and Mitigation Work, MEND* Report 5.10E, on behalf of MEND and sponsored by The Mining Association of Canada, MEND and Natural Resources Canada (Mining and Mineral Sciences Laboratories), January 2005, http://www.nrcan.gc.ca/mms/canmet-mtb/mmsl-lmsm/mend/reports/report510-e.pdf *{ Mine Environment Neutral Drainage (MEND) Program} 2. Guidelines for Metal Leaching and Acid Rock Drainage at Minesites in British Columbia, Price W.A. and Errington J.C., Ministry of Energy and Mines, August 1998 <http://www.em.gov.bc.ca/Subwebs/mining/Project_Approvals/guidelines.htm> 3. Draft Guidelines and Recommended Methods for the Prediction of Metal Leaching and Acid rock Drainage at Minesites in British Columbia, Price W.A., Ministry of Employment and Investment, April 1997 <http://www.mndm.gov.on.ca/mndm/mines/mg/leg/BC%201997%20Draft%20Guideline.pdf>	The final EA Report will refer to the three references recommended by Environment Canada. Analysis of rock for ARD potential will generally follow *Draft Guidelines and Recommended Methods for the Prediction of Metal Leaching and Acid Rock Drainage at Minesites in British Columbia.* In the event that there is potential for ARD, potential mitigation measures will include those suggested by Environment Canada as well as those recommended in documents created as part of the MEND. If the potential for ARD or metal leaching exists, mitigation measures will be discussed with EC and the MNR prior to implementation. Environment Canada's recommended mitigation measures to reduce smoke from burning of timber slash will be included in the final EA Report.	S-6.2.4

This page left intentionally blank.

3.0 Federal Comments on Draft Environmental Inspection and Monitoring Plan

3.1 ENVIRONMENT CANADA COMMENTS

Source	Comment	Explanation of how comment was addressed (proponent)	Where Addressed in Monitoring Plan
Environment Canada	The statement 'kept to a minimum' is somewhat subjective; therefore, EC suggests that a target for identifying when fugitive dust levels warrant application of mitigation. We assume that visible dust will be observed and its occurrence will signal that mitigation is required. For example, use of some minimum visibility threshold, plume spread, etc. could possibly be used to set thresholds.	Fugitive dust emission targets based on California Air Resources Board Rules have been adopted of less than approximately 20% opacity or plume spread of less than 30 m.	2.2.1
Environment Canada	In addition to repairing damage, maintenance may also include removal of accumulated sediment and debris, after major runoff events. Possibly re-word to read: "...maintained to ensure their proper function at all times".	This section has been reworded to include text as recommended by EC	3.0 T. 3.1
Environment Canada	EC suggests that monitoring/inspection should also be carried out to ensure that topsoil and mineral soil are properly segregated and stored to avoid topsoil degradation. The monitoring objective here would be to "Maintain topsoil integrity".	This section has been reworded to include text as recommended by EC	3.0 T. 3.1
Environment Canada	In addition to ARD EC previously raised the issue of releases of alkaline cement leachate from concrete structures and cement waste. The monitoring objective here would be to ensure "No increase in the pH of surface waters".	This section has been reworded to include text as recommended by EC	3.0 T. 3.1
Environment Canada	In addition to merchantable timber, EC suggests that "proper disposal of slash" be also added as another objective for the vegetation management goal. Improper management can lead to degradation of terrestrial habitat.	This section has been reworded to include text as recommended by EC	3.0 T. 3.1

3.2 FISHERIES AND OCEANS CANADA COMMENTS

Source	Pg.	Comment	Explanation of how comment was addressed (proponent)	Where Addressed in Monitoring Plan
Fisheries and Oceans Canada	Pg 15, Table 4.1	Water Quantity and Quality: will the 15m3/s discharge be maintained during construction also?	The 15m^3/s discharge will be maintained during construction	S. 4.1 Table 4.1
Fisheries and Oceans Canada	Pg 15, Table 4.1	Sediment Quantity: Objectives only refer to sediment from soil erosion, what about river bottom disturbance?	The bottom of the Mattagami River will only be disturbed under dry conditions created by the cofferdam during construction and will be appropriately restored prior to cofferdam removal. Therefore, disturbance of the river bottom is not expected to introduce significant amounts of sediment. However, the Provincial Water Quality Objective of less than 10% increase above background levels will apply to all introduction of sediment into the River.	S. 4.1 Table 4.1
Fisheries and Oceans Canada	Pg 15, Table 4.1	Fish and Habitat: How will 90% recovery be determined?	This statement has been reworded to state that “relocation will be considered complete when no fish are readily located in the dewatered area”	S. 4.1 Table 4.1
Fisheries and Oceans Canada	Pg 17, 4.2.1 Construction, Fish	With Yellow Falls being considered mostly impassable, would it be appropriate for fish to be released upstream of the construction site if they are captured in the construction footprint?	Fish will be released upstream of the construction site.	S. 4.2.1 Fish
Fisheries and Oceans Canada	Pg 20, Habitat Enhancement:	There has been some discussion regarding effectiveness monitoring of compensation and if compensation is not functioning as intended, implementing it a Plan B of sorts. Is it possible for this section to reflect that?	A specific “Plan B” is not envisioned as part of the current proposed compensation measures. However, using the principals of Adaptive Resource Management, some action will be taken with the input of the DFO and the MNR in the event that compensation measures are not functioning as intended after the first three years of post-construction monitoring	S. 6.5.1 App. G4 App. K
Fisheries and Oceans Canada	General	Most of the plan makes reference to comparing to pre-construction data to post-construction data. Is there sufficient baseline data for this comparison? Is gathering of baseline data on going and would it be worthwhile collecting this data right up to construction start? There seems to be limited benthic sampling in the head pond area to date.	A large number of benthic data were obtained during 2006 field work extending from downstream of Island Falls to upstream of Loon Rapids. 13 sampling stations were located between Yellow Falls and Loon Rapids, with 3 replicates at each. The combined data set is sufficient to provide a baseline against which to compare future potential changes to benthic communities.	S. 6.5.3 App. G1-V

This page left intentionally blank.

4.0 Provincial Comments on Draft EA Report

4.1 MINISTRY OF NATURAL RESOURCES COCHRANE DISTRICT COMMENTS

No.	Source	Pg.	Section, table or figure #	Comment	Explanation of how comment was addressed (proponent)	Where Addressed in EA
1.	CB	p.7 Line 10	3.1 French	Need to add a "d" to the word froid. …caractérisée par un climat froid et…	This typographical error has been corrected in the summary report.	Summary
2.	CB	p.15 Line 17-18-22	4.1 French	Need to change "duurs" to "des". ….peuvent êtres intéressées dans le Projet en fonction duurs perceptions et duurs préoccupations. ---L'étendue duurs connaissances locales…	This typographical error has been corrected in the summary report.	Summary
3.	CB	p.21 Line 16	4.6 French	Need to change "lae" to "le". …..à commenter lae rapport,….	This typographical error has been corrected in the summary report.	Summary
4.	CB	p.23 Line 6	5.0 French	Fix the word « recommandus » to « recommande des » mesures…	This typographical error has been corrected in the summary report.	Summary
5.	CB	p.23 Line 23	5.0 French	Need to fix the word " en deçà" de la ligne…	This typographical error has been corrected in the summary report.	Summary
6.	CB	p.25 Line 5	5.2.1 French	Add …pour les poissons des ….	This typographical error has been corrected in the summary report.	Summary
7.	CB	p.12 Line 2	1.10.2	Need to change the timeframe dates.	Specific dates have been removed from the timeframe.	S-1.10.2
8.	CB	p.58	Table 3.1	On the 6.3.2 Ambient noise levels criterion, the concern check box need to be checked and not the benefit check box.	This typographical error has been corrected. The concern box is now checked.	S-3.1 T-3.1
9.	CB	p.59	Table 3.1	On the 1.2.2 Canoe routes/ portages criterion, given the comments from Friends of the Mattagami, the concern check box should also be checked along with the benefit check box.	The concern box is now checked. Text has been added to reflect concerns regarding white water recreation opportunities.	S-3.1 T-3.1
10.	CB	p.62	Table 3.1	On the 7.3 Treaty and Aboriginal rights and 1.4.7 Native land claims criterion, the concern check box need to be checked and not the benefit check box.	This typographical error has been corrected. The concern box is now checked.	S-3.1 T-3.1
11.	CB	p.225	6.9.1.2	In this 6.9.1.2 construction paragraph we use the world should when it should be must. Ex …the Ministry of Natural Resources should be contacted. Change to must be contacted.	The word "must" has been substituted for "should" throughout Section 6.0 where appropriate.	S-6.0
12.	DS	12	S.1.10.2	Indicates of a projected start date of 2007. Please indicate new start date.	Wording in this section has been changed to indicate that the start date is dependant on securing the required approvals, and is planned to begin in Q4 2008.	S-1.10.2
13.	DS	21	S. 1.11.7.2 T. 1.3	Indicates that the quarry will be a category 11, current application is for a category 12. Please clarify.	The permit application is for a Category 12 Quarry. Wording has been corrected to recognize the current permit application.	S-1.11.7.2 T-1.3
14.	DS	20	S. 1.11.7.2 T 1.3	Indicates that MOE is the administrator of the Migratory Birds Convention Act. Please ensure that MOE is correct, it maybe MNR and CWS.	EC, through the CWS, is the administrator of the Migratory Birds Convention Act. Requirements under the Migratory Birds Convention Act have been moved to Federal Permits and Authorizations to reflect EC's jurisdiction.	S-1.11.7.1 T-1.12
15.	DS	37	S. 2.4.1.3	Please note that there are no provisions for a borrow pit. All aggregate excavation areas require a permit.	The wording in this section has been updated to reflect the need to acquire appropriate aggregate extraction permits.	S-2.4.1.3
16.	DS	38	S 2.4.1.3 T 2.2	Please clarify the total net volumes as 155,000 cubic metres.	The Project has been relocated from Island Falls to Yellow Falls as a result of stakeholder comments received during public and agency review of the Draft EA Report. As a result, aggregate material requirements have been changed are in the process of being re-calculated. The approximate total net volume of aggregate required will be included in the Final EA Report.	S-2.4.1.3
17.	DS	33	S 2.3.12	Please note that there are no provisions for borrow pits. All aggregate excavations require a permit.	Noted.	N/A
18.	DS	43	S 2.4.2.3	Additional information required for total size of permit areas, the number of pits to be expected and the life span of the permits and the permit areas will be rehabilitated.	The dam and powerhouse for the Project has been relocated from Island Falls to Yellow Falls as a result of stakeholder comments received during public and agency review of the Draft EA Report. As a result, aggregate material requirements, and need for quarry/pits have been changed are in the process of being re-calculated. The approximate total net volume of aggregate required will be included in the Final EA Report.	S-2.4.1.3
19.	DS	192	6.6.1.1	Should expand on the use of aggregate as a non-renewable resource. Should	Due to the change in Project location and design, aggregate requirements have changed. A quarry is no longer required, and an aggregate source must be acquired. At this time, the	S-6.1.1

No.	Source	Pg.	Section, table or figure #	Comment	Explanation of how comment was addressed (proponent)	Where Addressed in EA
				include total number of hectares to be impacted and quantity to be used.	quantity of aggregate required has yet to be determined.	
20.	DS	193	6.6.1.2	Should describe how appropriate conservation measures of aggregate will be used. (i.e. recycling of aggregate if possible or perhaps the use of existing pits in the area.)	Rock excavated for the powerhouse and spillway will be used as riprap. It is not anticipated that aggregate will be available from the excavation on site for incorporation into the works.	6.1.1
21.	DS	193	S. 6.6.1.3	Is this section finished?	This typographical error has been corrected and the sentence in question completed to read as follows: "Provided that the above mitigation and protection measures are implemented, the Project will not have a significant effect on non-renewable resources and may assist in offsetting inefficient resource uses, such as hydrocarbon fuels and coal."	S-6.6.1.3
22.	DS	Appendix D	T 2.4	Forgot to mention the Aggregate Resources Act.	A summary of the Aggregate Resources Act has been added to Appendix D.	App-D
23.	FW	172	6.4.5.1.1	Statement about most fires being started by people is incorrect. It should be removed. We have a lot of fires started by lightning	This statement has been revised to indicate that most fires are started by natural occurrences (such as lightning) and that 41% of fires are started by people according to 2002 MNR summary statistics.	S-6.4.5.1
24.	FW	173	6.4.5.2	The Fire Prevention and Preparedness plan should be approved by the Cochrane Fire Management Supervisor.	The requirement for fire prevention and preparedness plan approval by the MNR Cochrane District Fire Management Supervisor has been added.	S-6.4.5.2
25.	FW	173	6.4.5.2	A fire permit will be required to burn any material not just organic debris unless it is done under the conditions outlined in the Forest Fire Prevention Act. (FFPA)	The EA Report has been updated in this section to reflect the requirement to obtain a fire permit for burning any material	S-6.4.5.2
26.	SF	20	Ea Report 1.11.7.2	In Table 1.3 FRL is required for cutting of any timber for utility line, road right of way, and the headpond.	The EA Report has been updated to reflect the need to acquire a FRL for cutting any timber.	S-1.11.7.2
27.	SF	82	Ea Report 4.6.3	Amendment has been approved. Could mention here the direct impact of this project on the Sustainable Forest Licensee (meaning total area lost including headpond, utility line, and any restricted access.	Appendix F1 has been updated to indicate the status of the SFL amendment. The effect of the Project on the SFL holder is documented in the Effects Assessment, Mitigation, and Protection component of the EA Report.	S-4.6.3 App-F1
28.	SF	194	Ea Report 6.6.2.1	Section 34(4) of the Crown Forest Sustainability Act, requires that before amending a SFL, the Minister shall: *a) give the licensee written notice of the Minister's intention to amend the licence and of the* *reasons for the amendment; and* *b) give the licensee an opportunity to make representations to the Minister on the proposed amendment* This includes area occupied by new headpond levels, utility line, and road access upon approval of this project. When the proposed amendment to the SFL is for a withdrawal of land for the sale, lease, grant or otherwise disposal of land that is subject to the SFL, the Minister must provide at least 30 days written notice to the SFL holder. This is a requirement of the CFSA s. 37(2). Additionally the notice must specifically indicate that land area is proposed to be withdrawn from the SFL under s. 37 (1) of the CFSA.	This section of the EA Report has been updated to include the requirement for a SFL amendment for land withdrawal.	S-6.6.2.1
29.	SF			A memorandum of Understanding (MOU) will be required for the bridges with the MNR. This is also required for the new road construction. Discussions with the SFL and MNR regarding road use should occur and ownership/liability will need to be determined.	The requirement for an MOU regarding roads and bridges to be signed between YFP and the MNR will be documented in the EA Report.	S-2.3.1 S-6.7.2 S-6.7.4.1 S-6.7.5
30.	SF		Ea Report and Appendix F1	Comment: Stumpage for any timber harvested will be required to be paid. This is not discussed anywhere. Also, renewal fees that the SFL has paid in any area that the project will impact may need to reimbursed. These sorts of considerations will be considered/determined during the process of amending the current Sustainable Forest Licensee, held by Tembec Industries Inc, and the issuing of a Forest Resource Licence to Yellow Falls for the harvesting of Timber, pending approval of this project.	The requirement for YFP to pay stumpage fees to the MNR and reimburse the SFL holder for renewal fees pertaining to withdrawn land has been added to the EA Report. YFP has developed a Memorandum of Agreement ("Overlapping Agreement") with Tembec Industries Inc. in accordance with Section 8 and 9 of Regulation 257/06 of the *Crown Forest Sustainability Act*. As required by the Regulation, the agreement outlines requirements related to payments to the existing licensee in respect to various costs borne by the existing licensee (e.g. area charges, futures charges, management costs etc.). The Overlapping Agreement will be executed upon completion of the Environmental Screening Process in accordance with MNR requirements	S-6.6.2
31.	SF	203	Ea Report 6.7.4.2	Should say…….in accordance with the Crown Forest Sustainability Act	This section has been revised and the recommended edit is no longer applicable.	S-6.7.4.2
32.	SF		Appendix D	No mention of the Crown Forest Sustainability Act, 1994	A summary of the Crown Forest Sustainability Act has been added to the Legislative Background Appendix.	App-D
33.	SF	33-34	Appendix F1	Amendment has been approved. Could mention here the direct impact of this project on the Sustainable Forest Licensee, meaning total area lost including headpond, utility line, and any restricted access.	Section 4.6.3 has been updated to indicate the status of the SFL amendment. The effect of the Project on the SFL holder is documented in the Effects Assessment, Mitigation, and Protection component of the EA Report.	App-F1

No.	Source	Pg.	Section, table or figure #	Comment	Explanation of how comment was addressed (proponent)	Where Addressed in EA
34.	LC	21	1.3	Location approval is issued under the Lakes & Rivers Improvement Act not the Public Lands Act.	The EA Report has been corrected to indicate that legislative authority for issuing location approval is under the LRIA.	S-1.11.7.2 T-1.3
35.	LC	21	1.3	This table should include: Plans & Specs LRIA, Land Use Permit for the power line under the PLA, an Easement will be required for flooding which will be issued under the PLA. Docking facilities will require a work permit and a land use permit. Bridges will require a Work Permit and a Memorandum of Understanding (MOU). At present the MNR has entered into a MOU with the Smooth Rock Falls Anglers and Hunters service club for a bridge which crosses the Muskego River. This bridge is designed for all terrain vehicle traffic. Yellow Falls Power should engage the club to discuss impacts on the bridge and the trail.	The EA Report has been updated to include these items. Text has been added to indicate that the Smooth Rock Falls Anglers and Hunters Service Club will be notified regarding potential effects to the ATV bridge across the Muskego River and the status of the bridge will be discussed with the MNR. Although input has been solicited from the Anglers and Hunters Club, no comments have been received to date.	S-6.7.4
36.	LC	2.5	Appendix D Section 2.4.5	The MNR will require YFP to obtain a Crown Lease as an interim form of tenure. The Crown Lease will be replaced with a Waterpower Lease Agreement once the facility is constructed. A Land Use Permit may be issued as interim tenure for a short term while survey requirements are being met.	The requirement to obtain a Crown Lease as an interim form of tenure has been added to Appendix D.	App-D
37.	LC		Figure Number F2-12	Deficiency in Private Land Layer: Private land exists along the Highway 11 corridor in the townships of Kendrey and Haggart which are not depicted on figure F2-12. Private land also exists south east of Rat Lake, Figure F2-12 indicates that this area is Crown Land. Private land is present on the shores of Departure Lake. All of these lands are within the Study Area.	This figure has been updated to show additional detail regarding patent and Crown land.	App-F2 Figure F2-12
38.	LC	228 & 229	6.9.3.1 & 6.9.3.3	Comment Gating shall be confined to the dam site proper (Crown Lease Area) this will ensure that access to Crown Land is not restricted.	Anticipated gating, portage routes, and safety boom locations are shown in Attachment B.	N/A
39.	LC	199	6.7.2.1	The proposed Red Pine Access Road and Transmission Line corridor are located within the boundaries of Haggart, Sydere and Bradburn Township. These townships are not within the municipality of Smooth Rock Falls. The Municipality of Smooth Rock Falls is located entirely within the boundaries of Kendrey Township.	The typographical error has been corrected to show that the Project is not located within the Town of Smooth Rock Falls.	S-6.7.2.1
40.	LC	202 & 203	Table 6.9	Yellow Falls Power should engage potentially affected Tourist Establishments, Cottagers, Service Clubs, and Trappers to identify and address potential impacts.	YFP has engaged tourist establishments, cottagers, service clubs, and trappers through the MNR's confidential mail list and other consultation methods including direct mailings, the Project website, newsletters, and newspaper notification. This table is based on feedback received as part of the consultation process documented in Section 5.0.	S-5.0 S-6.7.4 T-6.11
41.	LC	37	2.4.1.2	A land use permit will be required for the lay down area	The requirement to obtain a land use permit for the construction lay down area has been noted in the EA Report.	S-2.4.1.2 T-1.3
42.	LC	20	Table 1.3	Withdrawal Order the relevant Act is the Mining Act not the PLA	The EA Report has been updated to indicate the legislative authority for withdrawal orders is through the Mining Act, and not the PLA.	S-2.4.1.2 T-1.3

No.	Source	Pg.	Section, table or figure #	Comment	Explanation of how comment was addressed (proponent)	Where Addressed in EA
43.	RS	G11& 21		Location Approval granted under LRIA and not PLA…please change.	The EA Report has been updated to indicate the legislative authority for Location Approval is through the LRIA, and not the PLA.	S-2.4.1.2 T-1.3
44.	RS	13 & Appendix D sec: 2.4.5pg 2.5		Timing for WPLA is inconsistent…should read WPLA is required "before commissioning" as on page 13 and App D page 2.4.2 second last paragraph on page 2.4 and not "after operations begin" as in Appendix D, sec 2.4.5 page 2.5…please clarify.	Appendix D has been corrected to indicate that a WPLA is required prior to commissioning.	App-D
45.	RS	21	Table 1.3	Plans & Specifications Approval missing from LRIA Land Use Permit required for powerline under PLA Easement required for flooding under PLA…please add.	The EA Report has been updated to include these items.	S-1.11.7.2 T-1.3
46.	RS	24	Sec. 2.2.1 2nd last paragraph	Please clarify if there are any financial incentives available to YFP for energy or is it a fixed price only?	There are no financial incentives available to YFP for providing power during peak times since YFP will receive a fixed price only. In fact, operating in peaking mode would result in lost revenue to YFP since less overall power would be generated.	S-2.2.1
47.	RS	pg 2.6	App. D sec 2.5.1	The PPS (2005) contains more pertinent sections than the 3 identified. Other pertinent sections include 1.5.1 Public Spaces, Parks and Open Spaces, 2.1 Natural Heritage, 2.2 Water, and 2.6 Cultural heritage & Archeology…please add.	Appendix D has been updated with additional pertinent sections of the PPS as described by the MNR. In addition, a concordance table has been added to the EA Report to demonstrate consistency with the PPS.	App-D S-1.11.3 S-6.7.2 T-6.10
48.	RS	30	2.3.5-second line	Editorial-"provide water flow over water flow will be…	This typographical error has been corrected.	S-2.3.5
49.	RS	31	2.3.8	Headpond increase is stated to be 0m at Loon Rapids which is contrary to Fig. A-5 which shows effects 750 m above Loon Rapids…please clarify.	Average water elevation at Loon Rapids is 244 m above sea level, which is the same elevation as the proposed headpond. Therefore, the headpond will not increase the average water level above Loon Rapids. Revised modelling using cross sections acquired in August 2007 demonstrates that effects of the headpond on water level will not occur beyond approximately 5.7 km upstream of Yellow Falls.	S-2.3.8
50.	RS	29 140 141	2.3.4 6.2.2.1 6.2.2.2	How long will it take to pass water in the event of emergency unit tripping or shut down? Is the system automated? If so, are there back-up provisions…i.e. automated or manually operated?	Two gates on the spillway will be automated such that when the plant trips the gates will open the corresponding amount. Gate opening speeds will have to be finalized; however, 0.5 to 1.0 m/minute opening times are typical. Therefore, compensating flows would immediately begin to flow from the gates following a plant trip. Flows downstream of the plant match normal flows within 4 to 8 minutes if the plant is running at full capacity and sooner under partial load. The gates will have the capability of being manually/locally operated. Back-up power will be provided to the gates.	S-2.3.4 S-6.2.2
51.	RS	33	2.3.12	Editorial-"This side" should read "This site…"	This typographical error has been corrected in the EA Report.	S-2.3.11
52.	RS	40	2.4.2 2nd para	"No water will be stored in headpond"….please clarify.	Once the headpond has been filled, outflow will be equal to inflow, and additional incoming water cannot be stored in the headpond above the operating level. A full glass of water can be used as an analogy. If one continues to pour water, the amount that spills over the sides will be equal to that entering the glass. Therefore, no water will be stored in the headpond for later release.	S-2.4.2

No.	Source	Pg.	Section, table or figure #	Comment	Explanation of how comment was addressed (proponent)	Where Addressed in EA
53.	RS	43	2.4.2.1	23.96 m3/sec continuous minimum flow may be changed based on ecological needs. For example, other facilities on the Mattagami system used 80% exceedence based on regulated flow metrics. For this location the regulated 80% exceedence value would be 49.7 m3/sec. Will need to be revisited.	The minimum continuous discharge is the minimum discharge under which the Project can produce power. It is not representative of average discharge during operation. This statement has been clarified in the EA Report.	S-2.4.2.1
54.	RS	77	4.5.5.1 4th para	"Fine grained may produce elevated levels of silt…" I believe you left out the word soil between grained and may. Please clarify.	The word "soil" has been added to this sentence.	S-4.5.5.1
55.	RS	85	4.7.5	SRF has a 9 hole golf course and not an 18 hole as indicated. Please change.	The number of holes at the Smooth Rock Falls golf course has been corrected.	S-4.7.5
56.	RS	86	4.8.1	There is no mention that most of the patent land in the study area is Abitibi Freehold in Mabee, Dargavel, Aubin, Kingsmill, Lennox, Nesbitt, and Crawford townships. Please correct.	The description of patent land in the Abitibi Freehold has been updated in the EA Report.	S-4.8.1
57.	RS		Fig F2-12	Missing patent land along Highway 11 corridor (Smooth Rock Falls and Departure Lake), as well as blocks of Abitibi Freehold (Lennox, Dargavel, and Aubin townships). Please correct.	Figure F2-12 has been updated to show additional details of patent land in the Study Area.	App-F2 Figure F2-12
58.	RS	118	5.8	States a December 1, 2007 deadline….should have read December 7, 2008. Ensure correct deadline on final EA.	The original deadline for public comments on the Draft EA has been changed to December 7, 2007 in the EA Report	S-5.8
59.	RS	134 141	6.2.1.1 6.2.2.2	Headpond will fluctuate + or - 0.5m (=1m total range). This is inconsistent with 0.2m-0.3m range identified on page 26 &31. Please clarify.	The 0.2 to 0.3 m range identified on pages 26 and 31 is correct. The EA Report has been updated to remove references to a +/- 0.5 m range of fluctuations.	S-6.2.1
60.	RS	134	Last para	Headpond may effect Lower Sturgeon GS…have OPGI been consulted?	YFP has engaged in extensive discussions with OPG to determine potential affects on dam safety ratings and plant operations. Most recently, water elevation modelling using 2007 bathymetric data has been provided to OPG to demonstrate that no backwater effects will occur at the Lower Sturgeon GS.	S-6.2.1.2
61.	RS	138 140	6.2.2.1 6.2.2.2	Cofferdams-how will you address possible fish entrainment in cofferdam area? Please address.	Fish will be captured and removed during pump out. A scientific collection permit will be required from the MNR for this process. Additional text has been added to the EA Report to clarify protection and mitigation measures.	S-6.5.1.2
62.	RS	141	6.2.2.3	Editorial- should say m3/sec and not m3/5. Please change.	The EA Report has been corrected to remove "5" instead of "s".	S-6.2.2.3

No.	Source	Pg.	Section, table or figure #	Comment	Explanation of how comment was addressed (proponent)	Where Addressed in EA
63.	RS	142	6.2.3.1 3rd para	"…fish spawning substrate in the below the dam." Remove "in the".	The EA Report has been updated to remove "in the".	S-6.2.3.1
64.	RS	145	6.2.3.2 Last para	Are owners allowed to "sluice" debris accumulating in front of the dam?	Our intent is to remove debris that we have to handle (i.e. debris that accumulates on the trashracks or the log booms). Drawing 304 shows the log boom configuration that is located upstream of the powerhouse and the left side portion of the spillway. The exact location of the boom will be located in the field such that debris would be passed towards the spillway bays where no log boom protection is provided. Therefore, debris that does not need to be handled will be sluiced through the structure.	N/A
65.	RS	145	6.2.3.3 First para	Editorial-add "the" between "affect" and "bank"	The EA Report has been updated to add the word "the" between "affect" and "bank."	S-6.2.3.3
66.	RS	147 2nd last para	6.2.4.1	Add "to" or "in" between "changes" and "nutrient loading"	The EA Report has been updated to add the word "in".	S-6.2.4.1
67.	RS	148	6.2.4.2 1st para	You need to address how increased turbidity during construction and/or operation will effect the municipal water treatment plant at SRF.	Turbidity during construction and operation is not expected to increase to levels that may affect the water treatment plant in Smooth Rock Falls. However, the plant operations manager will be immediately advised if an accidental spill or increase in turbidity occurs.	S-6.2.4
68.	RS	161	6.3.3.2	How will increased noise affect local users such as trappers, cottagers and hunters. As YFP is aware, the Redpine Road is one of two access roads in the SRF area, and it is extensively used by hunters in the fall.	Increased noise may temporarily cause the movement patterns of game animals to change and may cause temporary (i.e. during the construction period) disturbance to cottagers and hunters.	S-6.3.3
69.	RS	184	6.5.1.2.1.2	MNR/DFO & YFP need to work out suitable fish habitat compensation areas. "Access restrictions" shouldn't necessarily be the limiting criteria used to locate suitable compensation areas. There are options such as winter roads/trails, use of barges, etc. that can address this issue.	The Project has been relocated from Island Falls to Yellow Falls as a result of stakeholder comments received during public and agency review of the Draft EA Report. As a result, there are a number of habitat compensation options currently being explored. We hope to involve DFO and MNR in continuing compensation discussions once we have assembled additional information.	S-6.5.1 App-K
70.	RS	185	6.5.1.2.1.2	A minimum of 1 m3/sec of water will be spilled at all times. Where will this water pass through the dam? (i.e. service sluice? Ice & debris sluice, etc.) Please clarify.	The Project has been relocated from Island Falls to Yellow Falls as a result of stakeholder comments received during public and agency review of the Draft EA Report. As a result, calculation of water spill is ongoing, but a minimum spill will be ensured. Spill will be through the 17 bay spillway envisaged for the relocated plant.	S-6.2.2
71.	RS	188 Last para	6.5.2.1	Editorial-"The local sturgeon population is has been and currently is….". Remove the word "is".	The EA Report has been updated to remove the word "is".	S-6.5.2.1
72.	RS	194	6.6.2.1	An amendment to the Sustainable Forest Licence as well as to the Crown Land Use Policy Atlas may be required to delineate and manage the 120m setback from the newly created headpond boundary.	The requirement for the SFL to be amended has been added to the EA Report.	S-6.6.2.1 S-6.7.2.1

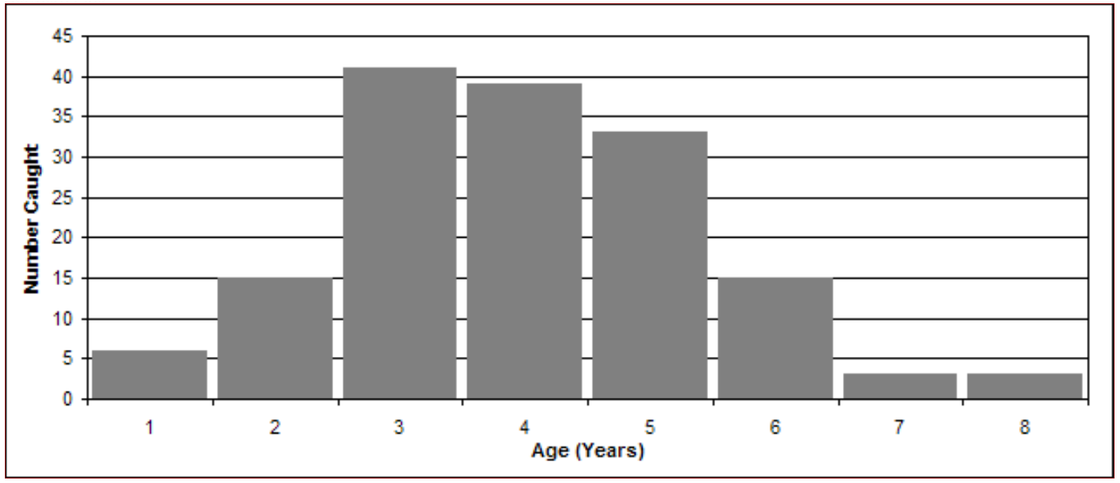
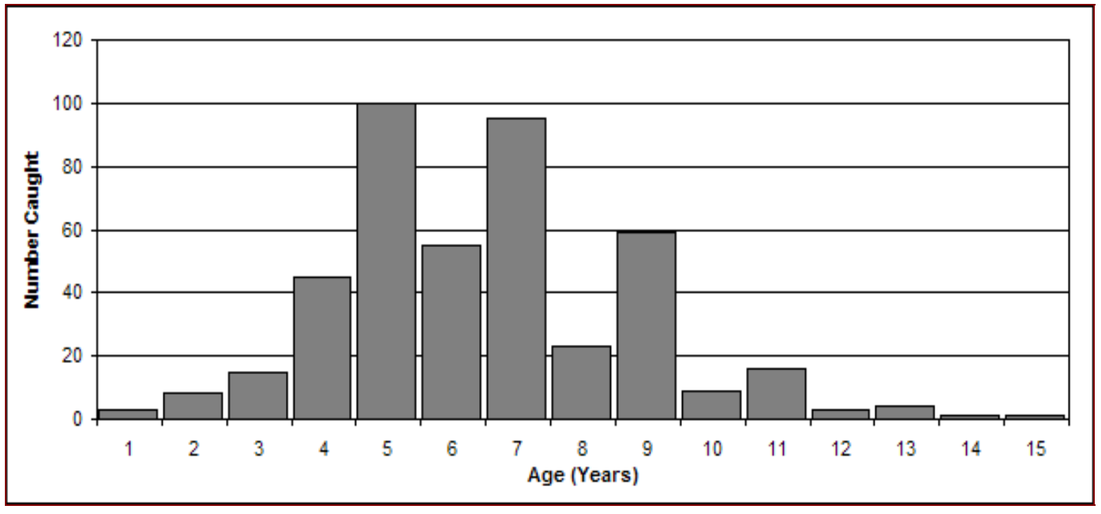
No.	Source	Pg.	Section, table or figure #	Comment	Explanation of how comment was addressed (proponent)	Where Addressed in EA
73.	RS	199	6.7.2.1	I believe the Redpine Road is not within the municipality of the Town of SRF as stated, but it is within the Haggart Township Planning Board area, which is administered by the Town of SRF.	The location of Red Pine Road outside of the Town of Smooth Rock Falls boundary has been corrected in the EA Report.	S-6.7.2.1
74.	RS	199 3rd last para	6.7.2.1	When referring to the PPS…remove the statement "have had regard for" and use the "is consistent with" as you have in the following paragraph. Please correct.	The EA Report has been edited to indicate "consistency with" the PPS. A concordance table has been added to demonstrate consistency.	S-6.7.2.1
75.	RS	200	6.7.3.1	YFP stated that there are no lands within study area identified by MNR as hazard lands. According to the PPS (2005), the Mattagami River floodplain would be considered hazard lands as it states "*development shall generally be directed to areas outside of*"…. sec 3.1.1 b "*hazardous lands* adjacent to *river*, *stream* and *small inland lake systems* which are impacted by *flooding hazards* and/or *erosion hazards*; *and*". I would remove this statement and instead explain how your facility has been designed to pass the water in a natural flood event and/or a Lower Sturgeon GS dam failure.	The EA has been updated to reflect designation of hazard lands in the PPS as recommended.	S-6.7.3.1
76.	RS	201	6.7.4.1	There is no mention of quarry related effects on recreational users (drilling, blasting, hauling, etc.)	Quarry related activities will result in similar disturbances as other construction activities (e.g. noise, blasting, traffic). Quarrying is no longer required under the new Project design.	S-6.7.4.1
77.	RS	201	Table 6.9	To what extent will access be restricted to recreational users.	Anticipated gating, portage routes, and safety boom locations are shown in Attachment B.	S-6.7.4.1 T-6.11
78.	RS	203	Table 6.9	Cottaging-States no effect on existing cottagers. What about the cottage 500m upstream of facility.	The cottage located 500 m upstream of Island Falls will not be affected during operation since it is located approximately 400 m west of the Mattagami River. However, temporary disturbance due to truck traffic and noise may occur during construction.	S-6.3.3.2 S-6.7.1.2
79.	RS	203	Table 6.9	Tourism-There are other tourism outfitters than Polar Bear Outfitters. I believe the Sydere Fish and Game Club holds an LUP within the study area.	The Project Team was made aware of two other potential businesses planning operations in the area of Island Falls during the Draft EA Review Period. YFP contacted each of the outfitters, seeking their comments. To-date, one of the outfitters, Howling Wolf Guide Services has submitted comments. Howling Wolf Guide Services, owned by Rick Isaacson of Smooth Rock Falls and a member of the Friends of the Mattagami, was registered as a business in October 2007, shortly before release of the Island Falls Hydroelectric Project Draft EA Report. Currently, the business is in the planning stage, but the proprietor anticipates that kayaking, canoeing wilderness trips, white-water instruction and certification, and educational programs will be offered between Island Falls and Loon Rapids. Following relocation of the Project to Yellow Falls, and a subsequent meeting between YFP and the Friends of the Mattagami River, Rick Isaacson sent the following correspondence dated April 10, 2008: *The purpose of this letter is to acknowledge that Howling Wolf Expeditions has no longer concerns with issuance of permits or approvals for planning, construction, and operation of Yellow Falls Hydro-electric Project.* The second outfitter Northern Spirit Adventure, owned by Andre Bernier, is planning to offer voyager canoe trips, water instruction, wilderness trips, camping, and educational programs. YFP met with Mr. Bernier one occasion, and outlined the proposed relocation of the Project to Yellow Falls. No further correspondence has been received from Mr. Bernier. In addition to consulting with the above businesses, the Project Team has also submitted a request to the MNR to provide mapping, if possible, of any LUPs in the Study Area.	S-6.8.5

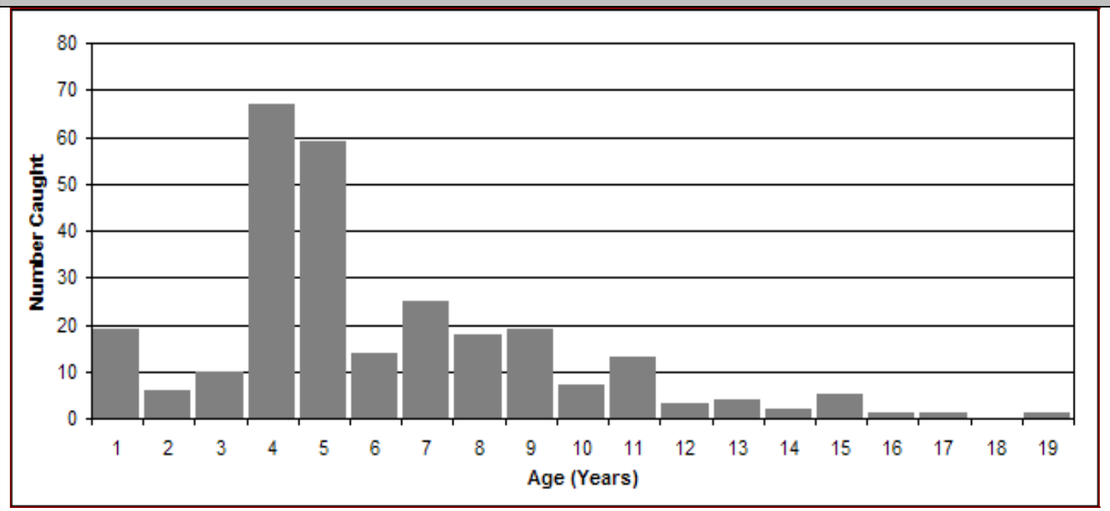
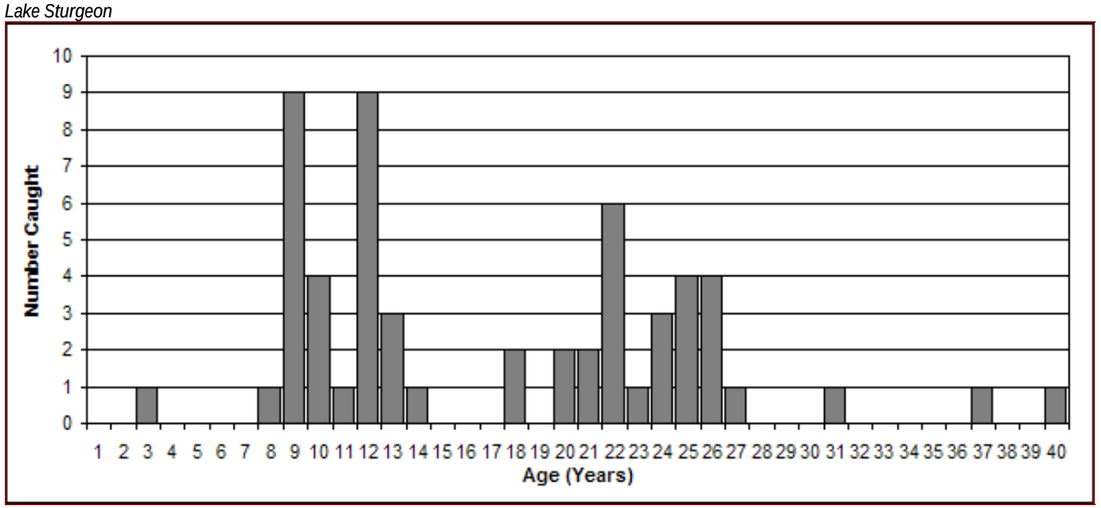
No.	Source	Pg.	Section, table or figure #	Comment	Explanation of how comment was addressed (proponent)	Where Addressed in EA
80.	RS	213	6.8.3.1	No mention of road to quarry. Please correct.	The quarry road (Sydere Road) has been added to the EA text.	S-6.8.3.1
81.	RS	214	6.8.4.1	Trapping is a commercial venture and should be identified in the "Local Business" section, however can refer reader to section 6.7.4.2 on page 204 for mitigation of effects on trapping.	The potential effects and recommended mitigation and protection measures of the Project on trapping has been moved to the "Local Business" section of the EA.	S-6.8.4
82.	RS	228 229	6.9.3.1 6.9.3.3	Gating the newly created road to the facility at the Red Pine Road is not acceptable. It was understood that public access to the river above and below the dam would be improved. MNR will work with YFP to determine where gates will be located.	Anticipated gating, portage routes, and safety boom locations are shown in Attachment B.	N/A
83.	RS	229	6.9.3.3	Where will the safety booms be placed? We need to balance safety and ensuring public access. MNR will work with YFP to determine where safety booms will be located.	Anticipated gating, portage routes, and safety boom locations are shown in Attachment B.	N/A
84.	RS	230 231	6.9.4.1 6.9.4.2	There is no mention of the effects of the quarry. Please correct.	Under the new Project design, the rock quarry is not anticipated to be required.	S-6.9.4
85.	RS	232 233	6.10.1.1 6.10.1.1.1	States closest First Nation Reserve is 65 km northeast of the study area. Flying Post First Nation's reserve is outside, but near the study area as well.	A table showing distances to the nearest First Nation Reserves has been added to the EA Report as follows: First Nation — Distance from Island Falls (km) New Post — 59 Flying Post — 69 New Post — 81 Wahgoshig — 129 Matachewan — 136 Mattagami 140	S-6.10.1.1
86.	RS	237	6.11.1	Add Ministry of Environment to list of agencies.	The MOE has been added to the list of agencies in this section.	S-6.11.1
87.	RS	239	6.12	No mention of decommissioning of pits or quarries. Please correct.	The dam and powerhouse for the Project has been relocated from Island Falls to Yellow Falls as a result of stakeholder comments received during public and agency review of the Draft EA Report. As a result, aggregate material requirements, and need for quarry/pits have been changed are in the process of being re-calculated. The approximate total net volume of aggregate required will be included in the Final EA Report. Pits or quarries will be rehabilitated as part of the construction process, and as required by the *Aggregate Resources Act* and applicable permits. Text has been added to the EA Report, providing a brief summary of the rehabilitation process, provided below: Aggregate extraction areas will require a license from the MNR under the *Aggregate Resources Act*. The aggregate permit application requires specific locations and details of aggregate extraction sites including depth to the water table and site rehabilitation measures (Section 6.6.1). It should also be noted that no aggregate extraction is permitted within 120 m of the Mattagami River, as outlined in the MNR Crown Land Use Atlas for the Mattagami River Area (Land Use No. G1744). All areas used for aggregate extraction will be rehabilitated in accordance with the *Aggregate Resources Act*. Since aggregate extraction will occur over a relatively short period of time, no	N/A

No.	Source	Pg.	Section, table or figure #	Comment	Explanation of how comment was addressed (proponent)	Where Addressed in EA
					progressive rehabilitation will occur. However, once Project aggregate requirements are met, rehabilitation will take place as soon as possible. Sites will be re-graded to minimum 3:1 stable slopes compatible with existing land uses, and re-planted using native vegetation as required by aggregate extraction permits. Landscaping and planting plans will be discussed with the MNR as part of the permitting process to ensure that standards for biodiversity and aesthetic values are maintained.	
88.	RS	240 273	6.12.1 8.3.3	Should add treeplanting as required by MNR to list of decommissioning activities.	The requirement for tree planting has been added to the list of decommissioning activities.	S-6.12.1 S-8.3.3
89.	RS	244	6.13.2.2 Last para	"The gates will be designed to fail in place if there are any mechanical problems…". Please clarify.	Fail in place means that the gates will not close should there be mechanical problems (i.e. they will stay in the position that they were in at the time of failure). If they are being operated in order to pass flood flows allowing the gates to drop to the closed position would aggravate the capability of the spillway to pass flood flows.	6.13.2.2
90.	RS	272	8.3.2.5	The complaint recording will be a requirement of the WMP and maintaining a website will be good tool for informing the public.	The requirement for complaint recording under the WMP has been added to the EA Report.	S-8.3.2.5
91.	RS	App D	2.4.3	Mattagami WMP was approved in 2006 and not 2002 as stated. Please correct.	The EA Report has been corrected to reflect WMP approval in 2006.	S-2.5.2
92.	RS	App E1	Fig. 1	Project Schedule should state that dates are no longer accurate and that all future dates are tentative.	This document has been included in the EA Report in the format it was supplied to project stakeholders to reflect correspondence that was undertaken at that time. A note has been added at the beginning of Appendix E to clarify that documents were current at time of publication only.	APP-E1
93.	RS	App E2	Pg 3 Last bullet, pg 5, 3rd bullet, pg 6 last bullet	"Access to the project site will be improved during operation." You need to address in detail how public access will be restricted...ie. gates, fencing, safety booms. YFP to work with MNR to determine where public access restrictions will be located.	The concordance table provided in Appendix E2 is meant to demonstrate how the EA will take into account preliminary comments on the Screening Checklist. Please refer to the main body of the draft EA Report in reference to this comment.	N/A
94.	RS	App E2	Pg 11 1st bullet	Editorial-"Mad brad" should say "made broad". Please change.	This typographical error has been corrected.	APP-E2
95.	RS	App E2	Pg 11 last bullet	Please clarify how ecosystem flows will be provided…i.e. ice and debris sluice, turbines, etc.	The concordance table provided in Appendix E2 is meant to demonstrate how the EA will take into account preliminary comments on the Screening Checklist. Please refer to the main body of the draft EA Report in reference to this comment.	N/A
96.	RS	App E2	Pg 12 Last bullet	Editorial- "….proponent unable to metal all information requirements…" Please clarify.	This typographical error has been corrected.	APP-E2

No.	Source	Pg.	Section, table or figure #	Comment	Explanation of how comment was addressed (proponent)	Where Addressed in EA
97.	RS	Volume II Pg 5	2.4 1st para, 2nd sentence	Editorial- "Te" should be "The"	This typographical error has been corrected.	APP-F1
98.	RS	51	9.0	States "No designated heritage, cultural or landscape monuments or features in the Study Area". This is contrary to Appendix I, page 8 of Archeological Assessment Report that states there are two designated sites. Please correct.	No designated heritage, cultural, or landscape monuments or features in the Study Area will be affected. Designated historical sites are different from registered archaeological sites in that designated features are usually marked in some way and public access is encouraged. The database of registered archaeological sites is available only to registered archaeologists and public access is not usually encouraged in order to preserve the sites. The distinction between designated and registered heritage sites has been noted in Appendix F1.	APP-F1
99.	CC1	25	Vol. 1 Sec 2.2.2	The option of not developing all of the hydraulic head in order to conserve Loon Rapids is only given one or two brief lines. This is not sufficient. For example, no production estimates were made available under a 'reduced head' scenario. It is highly contentious whether or not attaining the 20MW capacity production during freshets only, and at the expense of what truly would be the last remaining riffle habitat, is the best use of available river flow. Without providing a more detailed examination of this option we can not possibly know what the power production implications of this option are. Alternatively, is it possible to build this facility to the 20MW capacity but operate it as a 'reduced head' for the portion of the year Loon Rapids would normally be visible e.g. low water periods during late spring/summer/early fall? At other times of the year, during freshets, the hydraulic head could be increased and 20MW be generated.	It is assumed that the MNR's comment regarding Loon Rapids was intended to help achieve MNR's draft management goals for this section of river. Partially in response to the MNR's comment, but also in response to other stakeholder comments on the Draft EA Report, Yellow Falls Power has relocated the project from Island Falls to Yellow Falls. Consequently, a section of fast water will remain between Lower Sturgeon GS and Smooth Rock Falls GS to provide some habitat diversity. In addition, a known spawning location for several fish species at the base of Island Falls will not be affected by the Project.	S-6.26.5 APP-G4
100.	CC2	30	Vol. 1 Sec 2.3.5	How will we know if the proposed maintenance flows will be sufficient and directed on the appropriate substrate?	The dam and powerhouse for the Project has been relocated from Island Falls to Yellow Falls as a result of stakeholder comments received during public and agency review of the Draft EA Report. As a result of Project relocation, a specific discharge pipe or channel to direct flow on potential spawning substrate at Island Falls is no longer required.	N/A
101.	CC3	40	Vol. 1 Sec 2.4.2	Where is the inflow into the headpond measured from? Lower Sturgeon HGS, Loon Rapids etc.	Inflows into the headpond will not be measured, but rather as the plant will be operated on level control (i.e. as long as outflows equal inflows the headpond will remain at a relatively constant elevation). Communications with OPG will provide information on releases from Lower Sturgeon GS.	S-2.4.2
102.	CC4	40	Vol. 1 Sec 2.4.2	What happens after the 20yr purchase contract expires?	Upon expiration of the existing RES II contract, a new contract may be entered into if available, or the electricity generated by the Project may be sold into the electricity market at electricity pool prices.	S-1.7.4
103.	CC5	42	Vol. 1 Sec 2.4.2	Text and Table 2.7 aren't easily followed since average power output values don't seem directly comparable. MWh/h vs. MW. This should be remedied to aid in transparency.	Table 2.7 has been corrected so a comparison between MW is possible.	S-2.4.2 FIGURE-2.5
104.	CC6	56	Vol. 1 Table 3.1	No reference to trapping in the table. Should be added.	A reference to trapping has been added to this table.	S-3.0 T-3.1

No.	Source	Pg.	Section, table or figure #	Comment	Explanation of how comment was addressed (proponent)	Where Addressed in EA
105.	CC7	71	Vol. 1 Sec 4.5.1	If possible could data for the 55 FEC plots be made available to us?	FEC plot cards were scanned and made available on February 5, 2008 (please refer to email sent to Robin Stewart).	N/A
106.	CC8	137	Vol. 1 Sec 6.2.1.2	What does limited inundation mean? What is the estimated magnitude and spatial extent of this flooding?	Construction of the cofferdam will result in partial obstruction of the river. This will result in an increase in upstream water levels which will be within historic river levels. As the headpond will be inundated at the completion of the project, and the potential effects of this inundation are considered within the EA, the temporary, lesser increase in water level is not an issue. Backwater effects resulting from cofferdam construction are not expected to extend any further upstream than Davis Rapids.	S-6.2.1.1
107.	CC9	149	Vol. 1 Sec 6.2.4.2 3rd para.	Statement reads poorly. Habitat fragmentation is a concern wherever it occurs.	This statement refers to hydrologic conductivity through wetland areas that may be affected by an existing or upgraded access road and has been revised accordingly.	S-6.2.4.2
108.	CC10	179	Vol. 1 Sec 6.5.1.2 1st para.	States," Island Falls where lake sturgeon ad walleye are known to spawn." If no eggs or spawning behaviour was observed then species should only be suspected of spawning there e.g... sturgeon.	This statement has been clarified to show that sturgeon spawning is suspected, but not confirmed.	S-6.5.1.2
109.	CC11	182	Vol. 1 Sec 6.5.1.2 3rd para.	If we accept that fish passage downstream is likely contributing to downstream fish populations (as stated elsewhere in text), including one that is vulnerable, then the importance and impact of entrainment increases. I submit a significant need for an additional examination or adaptive monitoring of biota entrained through this facility. In particular fish larvae but not excluding juvenile fish. The magnitude of larval drift was never quantified, but assumed as occurring. I accept that survival through facility is likely high but this should be verified. Long term detrimental impacts to downstream fish populations may occur and operations may be modified to improve survivability if detected in a useful and timely fashion.	Preparation of an Environmental Monitoring Plan is underway, and will be submitted for agency review and comment prior to release of the final EA Report. The Environmental Monitoring Plan will be included as part of the final EA Report.	APP-K
110.	CC12	184	Vol. 1 Sec 6.5.1.2 3rd para.	The North Muskego River site was not identified as the lone opportunity for compensation. Compensation efforts should strive to target affected areas. I strongly feel that access challenges alone shouldn't negate exploring any efforts upstream. I propose upstream tributaries and certain main channel sites e.g... Loon Rapids be given further consideration.	The Project has been relocated from Island Falls to Yellow Falls as a result of stakeholder comments received during public and agency review of the Draft EA Report. As a result, there are a number of habitat compensation options currently being explored. We hope to involve DFO and MNR in continuing compensation discussions once we have assembled additional information.	S-6.5.1 APP-G4
111.	CC13		Vol. 1	A number of impact predictions or assertions are made in this document and the numerous appendices wrt habitat, species abundance, species occurrence, specific impacts etc. No mention of post construction monitoring or study intended to validate/quantify these EA predictions are made. I suggest this be considered in the final document. If an adaptive approach is not developed, then the proposed mitigative measures carry much more uncertainty with them.	Preparation of an Environmental Monitoring Plan is underway, and will be submitted for agency review and comment prior to release of the final EA Report. The Environmental Monitoring Plan will be included as part of the final EA Report.	APP-K
112.	CC14	1.6	App. G	Objectives are clear enough.	Noted.	N/A

No.	Source	Pg.	Section, table or figure #	Comment	Explanation of how comment was addressed (proponent)	Where Addressed in EA
113.	CC15	4.3	App G Sec 4.2 3rd para.	Text references age class histograms in Appendix III. Unless I missed them, I don't believe any such histograms were provided.	Age-class histograms were not included in the Draft EA Report, but are included as referenced in the Final EA Report. The age-class histograms are also provided below your reference and review. *Northern Pike*  *White Sucker*  *Walleye*	APP-G1-III

No.	Source	Pg.	Section, table or figure #	Comment	Explanation of how comment was addressed (proponent)	Where Addressed in EA
					 *Lake Sturgeon*  *Note: Recapture and fish of undetermined age have been removed from data. Data includes fish caught during 2006 spring and summer/fall sampling from all areas*	

No.	Source	Pg.	Section, table or figure #	Comment	Explanation of how comment was addressed (proponent)	Where Addressed in EA
114.	CC16	4.6	App G Sec 4.4 3rd para.	Could your observed results be an artefact of the way the sampling sites were selected? For a variety of reasons, riffle areas themselves were generally not sampled to the same extent as other channel features e.g. pools.	Riffle habitats with extremely fast flows were not accessible to set gill nets in, nor to electrofish. It is possible that walleye and white sucker were using microhabitats of slowing waters within the riffles that field crews could not access due to safety concerns. The text will be modified to reflect some uncertainty of use of those habitats by walleye and sucker. Generally speaking, however, those areas of very high flow would not be used as principle areas by those species.	APP-G1 S-5.4.4
115.	CC17	4.7	App G Sec 4.5 2nd para.	Riffle proportions reported here aren't the same as those reported in the compensation document e.g. 23% vs. 20%.	The correct riffle proportion is 22.94% based on GIS calculations. Appendix G has been corrected to reflect this value.	APP G1 S-5.4.4
116.	CC18	4.9	App G Sec 4.6 5th para.	The fact that fish habitat utilization observations don't correspond to the HIS results leaves me with uncertainty as to why this might be. It could suggest deficiencies in one or both of the approaches taken. Some discussion on this should be considered in the text.	Habitat suitability models are based on inventories of fish and measured descriptions of the physical/chemical environment. Most HSI models, thus, would be based on noisy data and have a relatively poor predictive ability. On top of that, HSI models, like any biological model, are best suited to the rivers/streams in which they were developed. Local factors will tend to make models developed in one catchment more or less applicable. It is generally not a great surprise when HSI models do not well predict the distributions or use of habitats of fishes (or other organisms) in a locale. HSI models, however, do provide a general guide as to what to look for, in terms of important habitat. In the case of this stretch of the Mattagami River, the set of riffles in the vicinity of Loon Rapids and Davis Rapids would appear to be of potentially good spawning habitat for walleye, white sucker and sturgeon, based on velocities and water depth. However, there is no large set of pools below the rapids that would serve to hold adults during the summer and winter. It may be the lack of deep rearing/feeding habitat downstream that limits the use of these riffles during spring spawning. These factors will be discussed in the revised EA.	S-6.5.1
117.	CC19	4.15	App G Sec 4.15 2nd para.	Please clarify that you mean 'critical' habitats as defined by SARA.	The phrase "critical habitat" has been removed as per our discussions with the MNR. The SARA definition has been inserted.	APP-G1 Throughout
118.	CC20	4.15	App G Sec 4.11 2nd para.	Reference to removal of Trib A and B barriers via inundation will allow fish passage to extensive spawning habitat (described earlier on Pg 4.8) seemingly conflicts with a compensation option that implies it would be needed there. Please clarify, if it already exists why would it need to be created etc as suggested in the compensation appendix document?	The dam and powerhouse for the Project has been relocated from Island Falls to Yellow Falls as a result of stakeholder comments received during public and agency review of the Draft EA Report. Tributary A and B will not be inundated under this revised design.	N/A
119.	CC21		App G	Unless they are elsewhere, and I missed them, spatial representations showing habitat utilization polygons, as currently understood, for all species would be beneficial. It is difficult to pick key points out of the text.	Habitat utilization polygons indicating areas of preferred use will be developed for the final edition of the Environmental Assessment Report.	APP-G3
120.	CC22		App G	The habitat utilization of non target species, has not been consistently discussed. As part of a truly holistic examination, in addition to the target species, we would expect to see some attention given to other species or guilds, e.g. cyprinids. Although this knowledge appears to exist, perhaps only in part, very little discussion was given to non-target species.	The field sampling program was designed through discussion between the proponent (YFP), the Department of the Fisheries and Oceans Canada, and the Ontario Ministry of Natural Resources. The clear focus of the program was the four key species: northern pike, lake sturgeon, white sucker (a cyprinid) and walleye. It can be argued that the health of those four key species does and will reflect the health of the broader aquatic ecosystem including smaller-bodied forage fish species. This particular program also examined the benthic invertebrate community. Like the four key fish species, the benthic invertebrate community is considered a VEC. And, like for the four target fish species, the health of the benthic community typically does and will reflect the health (composition, etc.) of the forage-base fish species (Jackson and Harvey, 1993; Kilgour and Barton, 1999). There are thus two sets of indicators that are predictive of the condition or health of the forage base fish species, and thus of other "guilds". Forage fishes, not being specifically targeted in this assessment, are difficult to discuss in great detail. Electrofishing did produce catches of forage species in Areas A, B and C, and in Tributaries (A, B, Rat Creek), for which the catch data were reported in Tables C3-22 and C3-23. Likewise, the presence/absence of centrarchids (smallmouth bass, rock bass), perch and catfish were reported for Areas A, B and C in Table 3-22, though abundances were not. Given that one of the predictions is that abundances of catfish, perch and bass will increase, YFP recognizes that baseline data on abundances of those species is of some relevance. Future baseline monitoring will document abundances (catch per unit effort) of those species.	N/A

No.	Source	Pg.	Section, table or figure #	Comment	Explanation of how comment was addressed (proponent)	Where Addressed in EA
121.	CC23		App G	Will there be a net decrease in biodiversity as a result of this project?	We do not predict the loss of any fish species within the vicinity of the project or headpond, though numbers of some may be reduced. Those species typically resident in riffles (e.g., mottled sculpin) will obviously be reduced in number, while those more commonly found in standing waters will increase (e.g., yellow perch). There will be no regional extinctions of any fish species. Likewise, there will be changes in the composition of the benthic community, particularly within the headpond where riffle-type benthic organisms (e.g., stoneflies, caddisflies) will be replaced by more standing-water forms (e.g., midge larvae). As with the fish, there will be no regional extinctions of benthic fauna as a result of the project.	S-6.5
122.	CC24	1	App G3 Sec 1.0 3rd para.	A fairly concise description of objectives.	Noted.	N/A
123.	CC25	1	App G3 Sec 1.1	Are there other creeks flowing into Area A, B, and C that were not investigated? How was this rationalized? Rationalization should be included in the text.	It is our understanding is that all major tributaries flowing into Areas B and C have been included in the work to date. In Area A, in 2007, field work was focused on evaluating spring habitat utilization in Bradburn Creek, Pullen Creek and the Muskego River with the objective of identifying potential opportunities for fish habitat compensation.	N/A
124.	CC26	9	App G3 Sec 2.3 2nd para.	There is much variation in success in short day sets. This is supported by literature and the several instances reported here where eggs were collected but no fish of that species were caught. Please provide the rationalization for using this approach.	The objectives of the spring 2007 field program were to sample a variety of potential spawning habitats (i.e. substrates, flow conditions) within the time/water temperature windows corresponding with the presence of fish in spawning condition. Capture of ripe/spent individuals served as conformation that particular species were present within the reach. Given the large areas and the number of locations that required sampling, short sets of gill nets were seen as a reasonable approach to determining if spawning fish were present while minimizing mortalities. The field work was not designed to provide indices of the relative abundance of fish species utilizing particular locations. Longer overnight sets of both gill nets, primarily large meshes targeting lake sturgeon, and non-lethal hoop nets were also deployed in various locations and this effort, when fish were captured, is reflected in catch summary tables produced by Golder. Netting effort associated with 'zero catches' is not reflected in Golder's report. In many instances, flow conditions likely affected the efficiency of netting gears. Eggs captured in locations where adult presence could not be documented can be in explained by the ability of egg mats to be positioned within microhabitats that are suitable for spawning, which could not be effectively sampled with netting gear.	N/A
125.	CC27	10	App G3 Sec 2.4	Are these egg collection structures equally effective at catching the eggs of all target species here?	With the exception of northern pike (Esox lucius), egg mats have proven effective for the sampling of eggs from fish including lake sturgeon (Acipenser fulvescens), walleye and common white sucker (Catostomus commersoni), that are broadcast spawners and have a protracted spawning period. Egg mats have been successfully utilized by Golder over the past four years to capture lake sturgeon eggs during spawning periods on the Groundhog River. The capture of northern pike eggs was attempted in 2007 using D-ring samplers along flooded shorelines at Loon Rapids, Davis Rapids, Yellow Falls and Island Falls. However, no northern pike eggs were captured. Northern pike spawning habitat preference and the relative importance of terrestrial vs. aquatic vegetation in northern river systems is poorly understood. To our knowledge, no definitive studies exist on this subject. Northern pike are frequently captured in association with spawning walleye on coarse substrates. No northern pike eggs were collected on artificial substrates. However, given optimal spawning temperatures recorded in the literature, northern pike may have spawned, prior to walleye and prior to Golder's 2007 field study before ice fully receded from the mainstem river.	N/A
126.	CC28		App G3 Sec 3.1	A description of precipitation and river flows in 2007 relative to long term means would be helpful in characterizing river conditions during presumed spawning. This might help to explain or contextualize some of the observations/conclusions made for sites. For example later on you make assertions on stream flow adequacy for certain site utilization. This is OK but contextualize it against long term water supply conditions (e.g... Trib A was described in Sec 4.2.2 as having restricted flows, is this condition the average, exceptional etc based on recent runoff from spring weather etc).	Ontario Power Generation (OPG) provides discharge data for the Lower Sturgeon G.S. This data base does not include water temperature data required to isolate the range of discharge conditions that may be experienced during spawning periods, historically. Discharge data was not used to characterize conditions observed in the spring of 2007 relative to historic conditions. However, this information could be added to the report provided OPG discharge data is accessible. No historical flow data is available for Tributary A or Tributary B to use in characterizing flow conditions observed during 2007 field studies. No discharge measurements were completed in 2007 and such measurements would not be useful in the absence of historical comparisons. These streams are assumed to be highly flashy, changing in relation to snow-melt and rainfall events and, as with most small northern streams, flow conditions at any given time may be influenced by upstream beaver (*Castor canadensis*) activity.	N/A
127.	CC29	60	App G3 Sec 3.4.2	If fish don't spawn at Davis Rapids, where are the ripe fish that were collected and others within Area C spawning?	Golder's report does not state that there is a lack of spawning by target fish at Davis Rapids, but acknowledges that site conditions (i.e. shallow water, high velocities) limited locations where netting gear and egg mats could be effectively deployed to determine the presence of spawning fish or eggs. It is possible that target species are able to ascend Davis Rapids and spawn in the upper portions of this reach, in areas that cannot be effectively or safely assessed during the freshet. However, fish were not observed in this upper reach of Davis Rapids based on observations made from vantage points along the shoreline.	N/A

No.	Source	Pg.	Section, table or figure #	Comment	Explanation of how comment was addressed (proponent)	Where Addressed in EA
128.	CC30	69	App G3 Sec 4.0	Another good description of the major difference between the 2006 and 2007 efforts. However, some data from 2006 was relevant to the 2007 habitat utilization effort and arguably should be grouped and presented together regardless of author.	Preparation of an Aquatic Sampling Summary Report is underway, and will be submitted for agency review and comment prior to release of the final EA Report. The Aquatic Sampling Summary will be included as part of the final EA Report. We will endeavour to present data from 2006 and 2007 work in an more reader-friendly manner.	APP-G3
129.	CC31	69	App G3 Sec 4.1	Section ties things together as well as can be expected.	Noted.	N/A
130.	CC32		App G3	I find this a difficult document to follow. Moreover, spring habitat utilization information is also contained in some of the other appendices etc. I believe the public will have trouble bringing out the salient points on habitat. I would suggest reorganizing the document based on reaches instead of subjects. This should drastically reduce the amount of page flipping required by the reader to contextualize each study reach or make desired comparisons.	Preparation of an Aquatic Sampling Summary Report is underway, and will be submitted for agency review and comment prior to release of the final EA Report. The Aquatic Sampling Summary will be included as part of the final EA Report. We will endeavour to present data from 2006 and 2007 work in a more reader-friendly manner.	APP-G3
131.	CC33		App G3	From this document I may conclude that Island Falls is a major spawning area for the target species, Area B is not, and Area C has a significant amount of uncertainty associated with it. The significance of tributaries, with the exception of Rat Creek, as spawning and nursery areas however are also not well understood for most species.	Based on 2006 and 2007 sampling data, the base of Island Falls appears to be a major spawning area. Since the Project has been relocated to Yellow Falls (approximately 2 km upstream), the only major tributary that is likely to be affected by the Project is Rat Creek. Further, it is unlikely that additional assessment of habitat utilization at Davis Rapids will add significantly to our understanding given the difficulties encountered working at and deploying capture gear at this location.	N/A
132.	CC34	1.2	App III Secs 1.3.0, 1.3.1, 1.3.2	Study objectives should be clarified and harmonized to avoid duplication and confusion among the reports. The Golder report cites fundamental differences between the 2006 and 2007 efforts, yet the 2006 report lists similar objectives. In my view there should be one habitat utilization report and one fisheries inventory report containing data from both consultant groups and both years. It should likely be organized according to area reach, and not subject.	Preparation of an Aquatic Sampling Summary Report is underway, and will be submitted for agency review and comment prior to release of the final EA Report. The Aquatic Sampling Summary will be included as part of the final EA Report.	APP-G3
133.	CC35	2.2	App III Sec 2.1.1 Point 1	As you know mesh size was a source of contention cited by the public in the context of capturing sturgeon. Appropriately sized mesh for the capture of adult sturgeon were used elsewhere according to the text but weren't described here.	The 2006 Aquatic Assessment Appendix III has been revised to indicate that experimental gillnets were used with mesh sizes between 7.62 cm (3") and 35.56 cm (14") during the spring survey.	APP G3-III S-5.2.2.1
134.	CC36	2.2	App III Sec 2.1.1 Point 1	There is often a big difference in CPUEs from day vs. night. However there is no apparent differentiation within the reported CPUEs.	The reported CPUEs were obtained from the complete season of field sampling. Therefore, no differentiation between day and night sets would be reported.	N/A
135.	CC37	2.3	App III Sec 2.1.2	Generally I think you've made an honest sampling effort (as indicated by Table III2-3). However, its adequacy is hard to judge since no CIs are reported, no power analysis provided and the sampling sites were selected subjectively not randomly (albeit I understand the rationale for using this approach e.g. safety). I also acknowledge the comment made regarding the possibility fish were in areas inaccessible to crews.	Please refer to Appendix G4 of the Draft EA Report (Response to MNR comments on the Draft Aquatic Assessment). Confidence intervals and power analysis will be included in the final version of Appendix III.	APP G1-VIII
136.	CC38	3.5	App III Sec 3.2.2 1st para.	I'm not sure the netting effort in Area B was similar to the other Areas. Didn't Area B receive 450 net*hrs compared to over 3000 net*hrs elsewhere?	Correct. Area B received ~ 450 net hours in the spring of 2006, which was lower than elsewhere.	N/A

No.	Source	Pg.	Section, table or figure #	Comment	Explanation of how comment was addressed (proponent)	Where Addressed in EA
137.	CC39	3.5	App III Sec 3.2.2 4th para.	Is this the mean CPUE for white sucker? How precise is this estimate? Many inferences are made with this data…if natural variation is high and the estimates are generally imprecise…then these inferences are very much uncertain.	The CPUE was estimated as the total catch divided by the total effort, and so was a mean CPUE. The mean CPUE was provided as a gross qualified index of abundance. We agree that without confidence intervals, it is very difficult to judge the significance of differences between times or locations. However, confidence intervals would not be relevant in this case, because sampling occurred over a very broad area within each sampling area, in order to inform the habitat suitability models of the preferred habitats in this system for the four key species.	N/A
138.	CC40	4.3	App III Sec 4.4 1st para.	As described later on in the text pike are more likely foraging and not spawning in Area A.	Agreed. The text has been revised to reflect this comment.	APP G1 - III S-5.4.4
139.	CC41		App III Table III3-3	The 2007 habitat utilization study produced by Golder indicated negligible spawning activity within Area B, with specific attention being paid to Yellow Falls. This was based largely on very few fish being caught there in the spring. Although the 2006 report also reports a lower number of fish caught here one could argue that the lower sampling effort was partially responsible (especially given the precision of the CPUEs is not provided). Later in the summer comparable CPUEs are reported for this reach. Bearing this in mind questions arise; why are they there in summer/fall, where did these fish come from and where do they spawn?	The purpose of the Golder (2007) study was to confirm the presence/absence of each of the four key species in the potential spawning locations, with an emphasis on the base of Island and Yellow Falls. With the effort expended, it was evident that two years in a row, no sturgeon or pike were caught at the base of Yellow Falls, while also two years in a row white sucker were caught in relatively high abundance at the base of the falls. Both sturgeon and pike are relatively lazy swimmers and may not wish to deal with the high spring flows to reach and stay at the base of Yellow Falls. The data to this point are insufficient to allow us to speculate as to why walleye were present at the base of Yellow Falls in the spring of 2006 but not the spring of 2007, and why they occur in (apparently) higher abundances in the summer/fall. More data will be available from yearly monitoring as the Project progresses.	N/A
140.	CC42		App III Table III2-23	Table shows Trib A and Trib B as only sites for juvenile longnose suckers. This was not mentioned in the 2007 spring habitat utilization report. The importance of these tributaries to cyprinids and potential impacts to them has also not been reported on in any depth.	Given the re-location of the proposed dam site to Yellow Falls, this comment is of reduced importance. No flooding of Tributary A and Tributary B will occur under the new siting scenario.	N/A
141.	CC43		App III	The 2006 fisheries inventory contains some data which is relevant to habitat utilization description e.g. Table III3-23. While some of this data is conclusive in nature, some requires further investigation to properly categorize.	We will consider those data in the revised EA Report.	APP-G3
142.	CC44		App III	With care/consideration being given to sample size demands, I would suggest the use of age frequency distribution histograms and growth regressions to aid in characterizing fish populations. NB: There may be growth effects as food items change.	Noted. As part of the monitoring program, we will be recommending that analysis of length (size) frequencies be carried out, in addition to analysis of size-at-age.	APP-K
143.	CC45		App III	The rosyface shiner in Rat Creek is interesting. Could be a bait introduction, however, need to follow up status within the arctic watershed. A new species here? Similarly rock bass may also be a relatively new arrival at this locale.	Rosyface shiner is typically found in streams tributary to the Great Lakes, and is not considered present in the Arctic watersheds (Houston, 1994). Future monitoring in Rat Creek, where it was recorded, will confirm its presence. We will provide more information on the known distribution of rock bass in the revised EA.	APP G1- III
144.	CC46	3.1	App V Sec 3.0	How was the number of sites and the number of replicates arrived at?	Samples were generally collected in locations where samples could be collected, and where sampling locations were considered to be somewhat “independent” from other locations (i.e., spatially separated to the extent possible). This will be further discussed in the revised EA.	APP G1 - V S-5.3.0 S-3.3.2
145.	CC47		App V Attach. B tables	The tables don’t include any taxonomic or abundance information for each specific site.	Those data will be available in the revised EA.	APP G1 – V T – 3.3

No.	Source	Pg.	Section, table or figure #	Comment	Explanation of how comment was addressed (proponent)	Where Addressed in EA
146.	CC48	3.3	App V Sec 3.1	Informative descriptions of indices and precision.	Noted.	N/A
147.	CC49	4.1	App V Sec 4.1.2	Unfortunately no estimates of precision were associated with the densities reported. There is likely a high degree of variation in these means without associated precision estimates we can not know whether the means reported are close the true population means or not.	We will quantify the precision and provides estimates of within location variation in the revised appendix.	APP G1 – V T – V 4.1
148.	CC50	5.1	App V Sec 5.0	The text presents a fairly general description of predicted/potential changes in the invertebrate community. It appears there will be a significant impact to the benthic community and the potential for trophic effects in other groups dependent on them has not been clarified in depth.	It is unlikely that changes in the benthic fauna will "cause" major changes in other trophic levels (i.e., fish). The species makeup of fish and benthos tends to covary, but the fact that they covary in response to a common stressor is more easily attributed to the tolerances of the individual species (Kilgour and Barton, 1999). This concept will be further explained in the EA to describe the anticipated changes to the ecology of the river, including changes to fish, benthos, plankton, plants, etc.	S – 6.5.3
149.	CC51		App V	The tributaries are significant production areas for macroinverts. Are the tributaries a source of macroinvertebrates for the main channel?	The baseline studies have not characterized drift of benthic organisms. Benthos of the tributaries undoubtedly drift into the mainstem of the river, and provide a source of food to fish in the mainstem. Benthos of the mainstem will also drift, probably at greater rates associated with higher water flow velocities and shear stresses associated with deeper water (Brittain and Eikeland, 1988). We will discuss this in more detail in the revised EA.	S- 6.5.3
150.	CC52		App V	Good introductory passages	Noted.	N/A
151.	CC53		App V	Only one reference to the 2006 sampling results, and unfortunately no estimates of precision or predictions with respect to the indices values were provided. How could insightful comparisons be drawn in the future when we have no insight into the natural variation influencing the values reported? Or in other words, based on the 81 samples collected and sorted what is our capacity to detect changes in the invertebrate community post construction (to validate predicted effects)?	We will provide all of the benthic invertebrate data in the revised EA supporting documents, and will provide an overview of the utility of the data for comparison to operational monitoring data and for testing for effects. Replications within locations provide a measure of sub-sampling error, and improve on estimates of mean abundances for locations. The mainstem of the river was sampled in 8 locations by Ponar and in 12 locations with rock-filled baskets. Following the Technical Guidance Documents for metal-mining or pulp and paper Environmental Effects Monitoring programs, benthic monitoring studies typically use variation among Locations as the error term against which to judge the significance of variation among Areas (control vs impact). Here it makes sense to use variation among Locations to judge the significance of changes from before to after operation of the dam. With that in mind, the TGD for EEM then suggests that the number of Locations should be adequate to detect differences between control and impact (or in this case between before and after) that exceed the mean of the control by > 2 x standard deviation of control location variation (i.e., in excess of the background noise observed in the control locations). Here, with a minimum of 8 Locations in the mainstem for the Ponar samples, there is approximately a 96% chance of detecting a change equivalent to the stipulated effect size (i.e., 2 SD), with a type I error rate of 5% (i.e., 5% chance of declaring there to be a change when there really isn't one). These points will be discussed in the revised EA.	APP G1-V T – 3.3
152.	CC54	6	App G5 Table 3-1	Mitigation option to conserve Loon Rapids not included or discussed in depth elsewhere.	It is assumed that the MNR's comment regarding Loon Rapids was intended to help achieve MNR's draft management goals for this section of river. Partially in response to the MNR's comment, but also in response to other stakeholder comments on the Draft EA Report, Yellow Falls Power has relocated the project from Island Falls to Yellow Falls. Consequently, a section of fast water will remain between Lower Sturgeon GS and Smooth Rock Falls GS to provide some habitat diversity. In addition, a known spawning location for several fish species at the base of Island Falls will not be affected by the Project.	N/A
153.	CC55	6	App G5 Table 3-1	Preferred compensation actions most often do not involve affected reach(es).	The Project has been relocated from Island Falls to Yellow Falls as a result of stakeholder comments received during public and agency review of the Draft EA Report. As a result, there are a number of habitat compensation options currently being explored. We hope to involve DFO and MNR in continuing compensation discussions once we have assembled additional information.	APP G5
154.	CC56	6	App G5 Table 3-1	The Island Falls management goals might make a good preliminary evaluative framework when developing compensation options. I appreciate the DFO mandate/lead on this however in my view proposed compensation options should work towards contributing to one or more of the management goals. *ISLAND FALLS MANAGEMENT GOALS* 1. *The maintenance of current native species biodiversity within the*	Partially in response to the MNR's comment, but also in response to other stakeholder comments on the Draft EA Report, Yellow Falls Power has relocated the project from Island Falls to Yellow Falls. Consequently, a section of fast water will remain between Lower Sturgeon GS and Smooth Rock Falls GS to provide some habitat diversity. In addition, a known spawning location for several fish species at the base of Island Falls will not be affected by the Project.	S -6.2 S – 6.5 S – 6.11

No.	Source	Pg.	Section, table or figure #	Comment	Explanation of how comment was addressed (proponent)	Where Addressed in EA
				Mattagami River segment enclosed by the Smooth Rock Falls and Lower Sturgeon hydrogeneration facilities. Smallmouth bass, an introduced species, will not be considered to be part of the native biodiversity. 2. *The maintenance of existing habitat diversity within the Mattagami River segment enclosed by the Smooth Rock Falls and Lower Sturgeon hydrogeneration facilities.* 3. *The maintenance of opportunities for a diversified and sustainable angling experience for all species presently angled within the Mattagami River segment enclosed by the Smooth Rock Falls and Lower Sturgeon hydrogeneration facilities.*		
155.	CC57	8	App G5 Table 3-1	Option to install habitat in Tributaries A, B and Rat creek upstream of the limits of the headpond. In the potential limitations column there is a reference to the utilization of tributary compensation structures by fish being uncertain. This really applies to all compensation options. It should either be removed or added to all proposed physical compensation type options.	The Project has been relocated from Island Falls to Yellow Falls as a result of stakeholder comments received during public and agency review of the Draft EA Report. As a result, there are a number of habitat compensation options currently being explored. We hope to involve DFO and MNR in continuing compensation discussions once we have assembled additional information.	APP G5
156.	CC58	10,11	App G5 Sec 3.2	Despite being currently inaccessible, and in light of the challenges of main channel compensation/mitigation, I do not agree that tributaries can or should be discounted on the basis of road access creation costs and risk of environmental impacts. I would argue that if *temporary* roads and crossings are constructed properly and with due diligence the risks will be minimized and outweigh the alternative of doing nothing within a given study reach. Moreover, if the project aquatic assessments are accurate a high proportion of the systems to be crossed have lower significance where resident aquatic species are concerned, in particular fish. I will add that based on the available drainage mapping it is likely that not all systems that would need to be crossed have been evaluated to date.	The Project has been relocated from Island Falls to Yellow Falls as a result of stakeholder comments received during public and agency review of the Draft EA Report. As a result, there are a number of habitat compensation options currently being explored. We hope to involve DFO and MNR in continuing compensation discussions once we have assembled additional information.	APP G5
157.	CC59	12	App G5 Sec 3.3.1	While the proposed provision of flows may be adequate to ensure successful spawning continues an adaptive monitoring program designed to detect flow impacts to spawning, and other hey life history activities, must occur during and post construction. For example I submit that our present knowledge of spawning, particularly spawning success, downstream of Island Falls is incomplete for most if not all species…e.g... we have yet to identify the exact location(s) used by sturgeon/walleye here.	With the relocation of the dam and powerhouse structure to Yellow Falls, flows over Island Falls, and conditions at the base of Island Falls are now unaffected by the Project. Preparation of an Environmental Monitoring Plan is underway, and will be submitted for agency revie With the relocation of the dam and powerhouse structure to Yellow Falls, flows over Island Falls, and conditions at the base of Island Falls are now unaffected by the Project. Preparation of an Environmental Monitoring Plan is underway, and will be submitted for agency review and comment prior to release of the final EA Report. The Environmental Monitoring Plan will be included as part of the final EA Report.w and comment prior to release of the final EA Report. The Environmental Monitoring Plan will be included as part of the final EA Report.	APP K
158.	CC60		App H	I found the plant inventory very helpful. Plant locations would be of great benefit to MNR/NHIC e.g. pitcher plant, black ash.	Noted. FEC plot cards were scanned and made available on February 5, 2008 (please refer to email sent to Robin Stewart, MNR, on February 5, 2008).	N/A
159.	CC61		App H	I agree with the local status assessment for yellow rattle.	Noted	N/A

No.	Source	Pg.	Section, table or figure #	Comment	Explanation of how comment was addressed (proponent)	Where Addressed in EA
160.	CC62		App H	Attachment B figures were unreadable, hence I have no insight into the identity and distribution of individual plant communities and/or inundation impacts to them. Suggest they are reworked for better clarity in the final document.	Attachment B figures have been revised to improve readability	APP M ATT B

4.2 MINISTRY OF NATURAL RESOURCES NORTHEAST REGION COMMENTS

No.	Source	Pg.	Section	Comment	Response	Where Addressed in EA
161.	DP	2		Stantec also was required to consult with FNs in addition to TTN as directed by MAA. This information needs to be incorporated.	During discussions early in the development of the Project, the MNR stated that the Project was located solely within the traditional territory of the TTN. YFP subsequently engaged the TTN in the Project in 2006. Correspondence received from the INAC branches during 2006 did not identify any additional potential First Nation interests. In December 2006 YFP was advised by MNR that the Mattagami First Nation ("MFN") had expressed an interest in the Project. Subsequently in March 2007, Stantec Consulting Ltd. received a response to their letter of 15 June 2006 from OSAA. OSAA's letter identified four First Nation groups, in addition to the TTN and MFN, that should be contacted. To date, YFP has contacted all of the First Nations communities and organizations identified by OSAA, as well as the TTN and MFN. The TTN, MFN, FPFN, WFN and the Wabun Tribal Council are currently engaged in the Project.	S-5.0 S-6.10
162.	DP	62		The check box within the categories of Aboriginal and Treaty rights and Land Claim should not be checked as a benefit. Perhaps a concern? Note economic benefits or any business to business relationship are not based on any rights or claims.	This typographic error has been corrected. The check-mark has been moved to the "concern" category.	S-3.0 T-3.1
163.	DP	103		References to FN Community meetings with TTN and Mattagami FN. Please indicate additional meetings with Wahgoshig and Flying Post or attempts to obtain.	No additional meetings with the TTN or Mattagami FN with regards to the EA process have been held. However, YFP has provided the TTN and Mattagami FN with copies of the Draft EA for review and comment, and has provided the Spring 2008 Project Newsletter outlining key project changes since issuance of the draft EA Report, including relocation of the dam/powerhouse structure to Yellow Falls (approximately 2 km downstream) and consequent re-alignment of associated infrastructure. A letter detailing YFP's First Nation engagement efforts is forthcoming under separate cover.	S-5.0 S-6.10
164.	DP	108	5.6.2	Reference to sharing information - with additional 2 Provincial Tribal Organization and 3 First Nations(Wahgoshig, Matachewan and Flying Post). Sharing information should be changed to engage the additional FN Communities.	First Nations have been supplied additional information regarding the Project, including a copy of the Draft EA Report for comment and a copy of the Spring 2008 Project Newsletter . A letter detailing YFP's First Nation engagement efforts is forthcoming under separate cover.	S-5.6.2
165.	DP	110	5.3	Update as I believe a response was received from Flying Post and Matachewan.	A letter detailing YFP's First Nation engagement efforts is forthcoming under separate cover.	N/A
166.	DP	198	6.7.2.1	Should also reference assertions of traditional area by the other First Nations. Study Area is probably located in an overlap of traditional areas.	Additional first nations who have expressed an interest in the Project have been added to this section.	S-6.7.2.1
167.	DP			"Consultation with First Nations is ongoing and will continue throughout the Project's lifecycle to identify and mitigate any concerns or effects that arise." This statement occurs throughout the document. Provincial regulatory agencies will have to conclude consultation on each of their instruments prior to issuance.	Recognition of the Crown's "duty to consult" has been added to the text.	S-6.10.1.2
168.	KC	60	Table 3.1	Checkmark should be under "No Effect" for 1.2.10 Provincial Parks/candidates to be consistent with the statement "PP and candidate parks will not be affected by the Project". Erroneously checked "Benefit".	This typographic error has been corrected. The check-mark has been moved to the "concern" category.	S-3.0 T-3.1
169.	CB	G11		Location approval does not fall under the PLA (LRIA)	The legislative authority for location approval under the LRIA has been noted in the EA Report.	S-1.11.7.2 T-1.3
170.	CB	G14		OSAA is now the Ministry of Aboriginal Affairs	Although OSAA is now the Ministry of Aboriginal Affairs, much of the Project correspondence with this agency occurred prior to the transition. Hence, OSAA is still referred to where appropriate in the Final EA Report/	N/A
171.	CB	G19		Withdrawal orders fall under the authority of the Mining Act	The legislative authority for withdrawal orders under the Mining Act has been noted in the EA Report/	S-1.11.7.2 T-1.3
172.	CB	G19		WPLA issued under the PLA not LRIA	The legislative authority for withdrawal orders under the PLA has been noted in the EA Report/	S-1.11.7.2 T-1.3

No.	Source	Pg.	Section	Comment	Response	Where Addressed in EA
173.	CB	5		Information written implies that MNR requirements have been fulfilled i.e. essentially PIP. Is an additional statement required to clarify that this is not the case?	PIP requirements were not fulfilled through provision of the Environmental Appraisal and Technical Appraisal documents (Acres, 1990). This statement has been clarified to indicate that fulfillment of PIP requirements was not met through these reports.	S-1.7.1
174.	CB	9	1.9.2	Is "relatively benign" acceptable phasing or an assumption?	This statement has been reworded. However, compared to the life cycle effects of fossil fuel electricity generation (including mining or extraction, transportation, and air emissions), run-of-river hydroelectric generation is less disruptive to the environment.	S-1.9.2
175.	CB	10		List of disadvantages – missing wildlife, cultural heritage values, infringement First Nations.	These potential project disadvantages have been added to the list.	S-1.9.2
176.	CB	10	1.9.3	Air pollution is just that and should not be labeled as "indirect" air pollution	The Draft EA Report indicates that hydroelectric generation does not directly contribute to air pollution. However, construction and maintenance activities will involve vehicles that rely on internal combustion. In addition, a small amount of GHGs may be emitted as part of the organic decomposition process. In environmental effects assessment, direct effects refer to first-order effects resulting from the project. An example would be that the construction of the dam/powerhouse structure has a direct effect on fish habitat, since it will physically cover a portion of the existing river. An indirect effect is a 2nd or greater order effect. An example is that construction vehicles would be used to build the project, and will emit pollutants to the air, as all vehicles with internal combustion engines do. A definition of direct and indirect effects is included in the glossary.	S-1.9.3
177.	CB	11	1.9.3	How can there be an "indirect" contribution to climate change?	Please see above.	S-1.9.3
178.	CB	11	1.9.3	Without retrofitting 100 years would be unreasonable lifespan.	The bullet will be revised as follows: Hydroelectric generating stations in Ontario have a proven lifespan of over 100 years with regular maintenance and infrequent upgrading.	S-1.9.3
179.	CB	11	1.10	Use of "indirect" effects on fish. There is a direct effect on fish.	The Project will have a direct effect on fish. However, indirect effects may also occur. Please see Comment above for an explanation of direct vs. indirect effects.	S-1.10
180.	CB	12	1.10.2	Timelines require adjustment i.e. construction to begin in 2007?	Timelines have been adjusted to show generic months of construction versus dates.	S-1.10.2
181.	CB	12		Will monitoring of effects begin at construction?	Monitoring of effects will begin at construction. Environmental monitoring is an important component of the construction process. Please refer to Section 8.0 for a detailed review of monitoring requirements. In addition, a post-construction monitoring plan is being prepared and will be available for agency review prior to release of the Final EA Report.	S-1.10.2 S-9.0 APP K
182.	CB	13	1.11.2	Since the AIR is dated 2002 and the project did not move forward does the AIR need to be reviewed again?	The AIR Report does not require further review as the Project has moved forward since 2002, and is nearing completion of the EA process (of which the AIR is an earlier component). An update to the AIR was submitted to the MNR in 2006.	S-1.11.2
183.	SD	13	1.11.2	The monitoring plan developed during the ESR should attempt to satisfy the requirements of the WMP amendment. The WMP Guidelines (2002) identify that monitoring costs are the responsibility of the proponent.	The responsibility of the proponent to fund monitoring efforts has been noted in the EA Report.	S-1.11.2
184.	CB	20	1.11.7.2	Withdrawal orders are issued under the Mining Act not the PLA	The legislative authority for withdrawal orders under the Mining Act has been noted in the EA Report.	S-1.11.2 T-1.3
185.	CB	21	Table 1.3	Location approval under the LRIA not the PLA, WPLA under PLA	The legislative authority for location approval under the LRIA has been noted in the EA Report/	S-1.11.2 T-1.3
186.	CB	21	Table 1.3	Tenure will be required for the transmission line	The requirement for transmission line tenure has been noted in the EA Report.	S-1.11.2 T-1.3
187.	CB	21	Table 1.3	MOU required for new roads, bridges & watercrossings	The requirement for an MOU regarding roads, bridges, and watercrossings has been noted in the EA Report	S-1.11.2 T-1.3
188.	CB	26	2.3	3 bridges referenced versus 2 bridges at the beginning of report. Are there any other watercrossings i.e. culverts?	Three bridges are required for access to Yellow Falls.	S-2.3.1

No.	Source	Pg.	Section	Comment	Response	Where Addressed in EA
189.	CB	28	2.3.1	Need to confirm to see if the EA for the access road to the aggregate site would be covered under the EA review for the actual aggregate permit.	Due to the change in Project location and design, aggregate requirements have changed. A quarry is no longer required, and an aggregate source must be acquired. At this time, the quantity of aggregate required must be determined. The effects of any aggregate extraction and associated access roads will be assessed as part of the Final EA Report. At this time, it is likely that the access road to the aggregate site will consist of an existing logging road which may require upgrades. In any case, appropriate permits must be obtained from the MNR before any extraction can occur. As part of the permitting process, YFP will develop a rehabilitation strategy for the aggregate extraction site.	S-2.4.1.3 S-6.1.1
190.	CB	33	2.3.11	Service building & parking etc are to be included in the footprint area.	The service building and parking lot are included in discussion of project components and footprint.	S-2.3.1
191.	CB	33		docking facilities - since the company has indicated that they will maintain the access point(s) and docks there area requires tenure.	The requirement for docking facility has been noted in the EA Report. However, the Project has been relocated from Island Falls to Yellow Falls, approximately 2 km upstream as a result of stakeholder consultation. Consequently, the Project will no longer require docking facilities at Island Falls.	S-2.3.10
192.	CB	37	2.4.12	tenure required for the 7.2 ha of land?	The requirement for a LUP has been noted in the EA Report.	S-2.4.1.2
193.	CB	41		table - "public access will be limited"? Normally public access is not restricted on transmission line areas. Provide rationale for limiting access.	Public access will not be restricted except where the safety of the public and security of the proposed plant is in question. Revised gating and safety boom locations reflecting relocation of the Project to the Yellow Falls location is shown in Attachment B.	S-3.0 T-3.1
194.	SD	43		Describe the instantaneous 15cms hourly average flow requirement and the % of time it should be exceeded. Describe the conditions under which that flow may not be achieved.	As a requirement of the draft Mattagami River Water Management Plan, a 15 m^3/s minimum flow requirement must be met at Smooth Rock Falls GS. The reason for this minimum flow requirement is described variously in the WMP as required to ensure a minimum dissolved oxygen saturation of 47% downstream of the Smooth Rock Falls plant, to meet ecological base flow requirements, and to provide sufficient flow to dilute effluent from the former Tembec pulp and paper mill in the Town of Smooth Rock Falls. This minimum flow requirement has been adopted by the proponent to ensure compliance with the draft Mattagami River WMP. However, historical data indicates that river discharge is typically greater than 15 m^3/s minimum flow requirement 99.7% of the time. The only time this minimum flow requirement will not be met is in the very extreme conditions when river flow is below 15m^3/s (i.e. the head pond will not be used to compensate for any shortcoming in natural river flows).	S-2.4.2.1
195.	CB	45		Decommissioning-information is limited, would recommend including a statement indicating that should decommissioning occur the work will be completed at the standards, conditions and timetable as directed and approved by MNR (and any other regulatory agency that may be involved).	A statement has been added to the EA Report as follows "Decommissioning would be completed in consultation with regulatory agencies and in accordance with the regulations and standards of the time."	S-2.4.3
196.	CB	49	Table 3.1	1.1 will the effects on surface water only occur during the initial filling of the headpond? Will there be other situations where the temporary reduction may potentially effect surface water at the headpond area?	As noted in Table 3.1 (p. 50 and 51 of the Draft EA), potential effects to surface water will not be limited to initial filling of the headpond.	S-3.0 T-1.3
197.	CB	49	3.1.3	will there be any impacts/effects on the depth downstream?	As noted in Table 3.1, there is potential for scouring and depth alteration immediately downstream of the dam/powerhouse structure.	S-3.0 T-1.3
198.	CB	58	6.3.2	statement to be reworded. If there is a potential for effects from noise (already identified) it should not be indicated as a benefit.	A check mark has been placed in the 'concern' check box.	S-3.0 T-1.3
199.	CB	58	2.3	should mention land use planning and policies i.e. permitted use etc.	A statement has been added to the EA Report regarding MNR land use planning, policies, and permitted uses.	S-3.0 T-1.3
200.	CB	58	2.4	although not "designated" as hazards lands should a study/assessment be done to determine designation?	Hazard lands are designated by a municipality for land use planning purposes and usually include floodplain areas that may affect development. Relevant sections of the PPS have been addressed in Section 6.7.3. As such, no further study is required by the proponent to designate hazard lands.	S-3.0 T-1.3
201.	CB	59	6.3(1.2.2)	many references are made further into the document of the potential for cottage lot development around the headpond area. Cottage lot development around the headpond is not recommended due to potential public safety, fluctuation levels of the pond etc.	Reference to establishment of cottage lots has been removed. However, and as noted throughout the Draft EA, the headpond will be operated on 'level control' whereby headpond level is constantly monitored, and plant outflow adjusted to maintain the constant operating level, thus matching incoming flows into the headpond. This operating regime is used successfully elsewhere in Ontario where cottage development has occurred on headpond shorelines.	S-3.0 T-1.3
202.	CB	59	6.3(1.2.2)	my understanding is that this canoe route receives more then the "occasional" use.	Extensive field work during 2006 and 2007 saw very limited recreational use of the Mattagami River upstream of Island Falls. This is probably due to the lack of access points between Lower Sturgeon GS and Island Falls and is further evidenced by the overgrown state of existing portages. Use of the river reach between Smooth Rock Falls and Island Falls is significantly higher as a result of the accessibility of this reach from the Smooth Rock Falls dock, and the suitability of the Smooth Rock Falls G.S. headpond for motorized boat traffic.	S-3.0 T-1.3

No.	Source	Pg.	Section	Comment	Response	Where Addressed in EA
203.	SD	59	6.3(1.2.2)	The loss of whitewater experiences needs to be clearly identified	The potential loss of whitewater canoeing/kayaking experiences has been noted in the EA Report.	S-3.0 T-1.3 S-6.7.4
204.	CB	60	1.2.10	as the document indicates that there are no parks within the study area it should not be listed as a benefit.	This typographical error has been corrected and the “no effect” box has been check marked.	S-3.0 T-1.3
205.	CB	60	1.4.2	should mention any existing staked mining claims.	Existing staked mining claims have been mentioned in the Screening Checklist. However, the Project will not affect existing mining claims, since most are located on patent land in the Abitibi Freehold/	S-3.0 T-1.3
206.	CB	62	7.3	do not agree that the potential effect on traditional areas is a benefit.	Potential effects of the Project on traditional areas has been indicated as a concern/	S-3.0 T-1.3
207.	SD	141	Operation	Describe the rationale for the 15cms minimum requirement to mitigate effects downstream. Will the low level outlets allow the 15cms to pass at all times? Flows are typically described by the magnitude, duration, frequency, timing and rates of change. Is this an hour average? Historically have inflows been less than 15cms? Under what conditions, extreme low flow? Attach the Flow Metric Data Sheet that describes historical flows.	Please see above	S-2.4.2.1
208.	SD	174	6.4.7.1	Need to confirm with NHIC and add as a pers. comm. reference to statement that Yellow Rattle is ‘locally common’ in area but uncommon in S. Ont. thus affecting ranking and species is unlikely to be affected by Project construction or operation.	The presence and rarity of Yellow Rattle as locally common has been assessed by a qualified botanist. In addition, the district MNR biologist agrees with this assessment (please refer to Comment 83).	S-6.4.7
209.	SD	175	6.4.7.1	Was the Lake Emerald not found in the benthic samples either? Is there a more appropriate sampling season for the Lake Emerald eg. Pre-emergence?	Benthic invertebrates are found in the river bed. Dragonfly nymphs are not benthic invertebrates, but may be present in the water column.	N/A
210.	CB	192/3		use of resources. Too much emphasis on how “good” this project is versus use of the resources.	As documented in existing literature, hydroelectric generating stations make much more efficient use of non-renewable resources than other forms of electricity generation. Please refer to Graph 6.8 in the Draft EA Report.	S-6.6.1
211.	CB	197	6.7.1.1	The community of Smooth Rock Falls is not a “significant” distance away from the project.	The distance between the Town of Smooth Rock Falls and Island Falls has been clarified in this section of the EA Report.	S-6.7.1.1
212.	CB	197	6.7.1.1	there would be an increase in the public safety risk as this is a new development and a dam does not already exist on the site.	Please refer to Section 6.8.11.3 for a discussion of potential effects of the Project on public safety. Further description will be provided in Section 6.8.11.3 regarding public safety protection through signage, safety booms and site fencing.	S-6.8.11
213.	CB	197/198	6.7.1.2	mitigation and operation should include public safety actions. For example proper signage at docking facilities, portages, dam site, service buildings etc. installation of safety booms etc.	Please refer to Section 6.8.11 for a discussion of potential effects of the Project on public safety. Further description will be provided in Section 6.8.11 regarding public safety protection through signage, safety booms and site fencing.	S-6.8.11
214.	CB	198	6.7.1.3	will there be absolutely no downstream effects with water levels?	Since operation of the Project will result in inflow equal to outflow, significant changes to downstream water levels are not anticipated. Please refer to Section 6.2 of the Draft EA Report for a detailed explanation.	S-6.2
215.	CB	199		appropriate tenure to be issued for roads/bridges and transmission line. Work permits where required, MOU for road/bridge required.	The need to acquire the appropriate tenure has been added to the EA Report, including work permits and MOUs as required.	S-6.7.2.1
216.	CB	200		same as previous question re: determine the need for any hazard assessment/studies.	Hazard lands are designated by a municipality for land use planning purposes and usually include floodplain areas that may affect development. Relevant sections of the PPS have been addressed in Section 6.7.3. As such, no further study is required by the proponent to designate hazard lands.	S-6.7.3
217.	CB	200	6.7.3.2	should include/mention the development of an erosion & sedimentation control plan.	Development of an erosion and sedimentation control plan has been mentioned in this section. Please also refer to Sections 6.1, 6.2, and 8.0 of the Draft EA Report.	S-6.1 S-6.2 S-8.0 APP K
218.	CB	201--03		there is no mention of the potential increase to public safety in this table.	Public safety effects are discussed in a separate section within the Draft EA report. Please refer to Section 6.8.11 in the Draft EA Report for a discussion of the potential Project effects on public safety.	S-6.8.11
219.	CB	204		should include a statement i.e. the monitoring plan will continue to monitor these activities and assess impacts on an ongoing basis?	As a result of stakeholder consultation, the Project has been moved to Yellow Falls, approximately 2 km upstream from the previous location. As a result of project relocation and redesign, Island Falls, a popular recreational location for area residents, is unlikely to be affected. These decisions were made based on extensive discussions with local river users and a mutual understanding of nature of the recreational use of the river by the local community. Continued monitoring of project-related effects to recreational activities will not be required.	N/A

No.	Source	Pg.	Section	Comment	Response	Where Addressed in EA
220.	CB	204	6.7.4.3	increase/easier access may result in additional stresses to the area e.g. hunting/fishing, disruption of trapping etc. increased/easier access is not a benefit only.	This section addresses recreational activities. To recreational users, easier access will likely be a benefit. The beneficial nature of improved access to recreational uses has been very clear during our discussions with the local community.	N/A
221.	CB	205		TCPL has an easement only. Although the company is required to have a discussion with TCPL approval for the road and transmission line comes from MNR.	This is true and noted elsewhere in the EA. However, crossing agreements may be required from TCPL and ONTC to facilitate access road and transmission line crossings of pipelines and railways.	N/A
222.	CB	205		no mention of new roads/bridges that are being constructed. Should be indicated.	This section deals with potential effects of the Project on existing infrastructure. However, the requirement for land use tenure has been noted.	S-6.7.5.1
223.	CB	206	6.7.5.2	MOU for any new roads/bridges on Crown land is required.	This section deals with potential effects of the Project on existing infrastructure. However, the requirement for land use tenure has been noted.	S-6.7.5.2
224.	CB	208		should indicate that the waste site is owned by the municipality.	Ownership of the waste site has been noted in the EA Report.	S-6.7.6
225.	CB	208		potential effects on canoeing is more than minimal?	Potential effects to canoeing have been addressed as follows: The Mattagami River is a canoe route designated by the MNR. The Provincial Canoe Route designation was originally designed by the MNR to encourage use of Ontario's waterways for outdoor recreation. Historically, portages were maintained and river features were documented in a series of brochures. Currently, many of the portages shown in the Provincial Canoe Route brochures are overgrown, and brochures are no longer available or current. The Provincial Canoe Route designation still applies to rivers that may be used for canoe-based travel and recreation. Through the portion of the Mattagami River Canoe Route that traverses the Study Area, portages are required at Lower Sturgeon GS (250 m), Loon Rapids (135 m), Davis Rapids (135 m), Yellow Falls (185 m), and Island Falls (25 m) for a total portage length of 730 m. Davis Rapids may be run by experienced canoeists at high water levels. Put-out was identified at the CN Rail Bridge across the Mattagami River, 6 km south of Smooth Rock Falls (MNR, 1990) due to the presence of a log storage boom. It is now possible to travel to the community dock in the Town of Smooth Rock Falls. According to air-photo interpretation, portages outlined in the 1990 MNR Canoe Route brochures at Lower Sturgeon GS, Davis Rapids, and Yellow Falls are overgrown and are not visible. However, a considerably longer portage appears to exist at Lower Sturgeon GS and a forest harvesting access road running approximately parallel to the Mattagami River exists within 50 to 75 m of the shoreline at Davis Rapids. Portages at Loon Rapids and Island Falls appear to be in somewhat useable condition. Incidental observations during 2006 field work and the overgrown state of most portages indicate that the reach of the Mattagami River upstream of Island Falls is not heavily used by canoeists or other boaters. Although access points are present upstream of Island Falls, a four-wheel drive vehicle or ATV is typically required to reach the river. The stretch of river between Island Falls and Smooth Rock Falls is consistently used for power boating; perhaps due to ease of access from the community dock in Smooth Rock Falls and the deeper water conditions favourable to small power boats created by the Smooth Rock Falls GS headpond. During operation, canoe access around Yellow Falls will be provided via a new portage route. Safety measures such as signs and booms will warn river users of unsafe conditions in close proximity to the dam. Portages at Loon Rapids and Davis Rapids, totalling 270 m will no longer be required.	S-6.7.4
226.	CB	216		as this site is a well know aesthetically pleasing site I would think that there would be some impact on tourism.	The Project has been relocated from Island Falls to Yellow Falls as a result of stakeholder comments received during public and agency review of the Draft EA Report. As a result, the Project is not likely to have a visual effect on the Island Falls site.	S-6.9.4

No.	Source	Pg.	Section	Comment	Response	Where Addressed in EA
227.	CB	229		overall the document minimizes the potential effects on recreational uses. Potential for impacts/effects is more then minimal.	Further discussion of potential effects on recreational uses has been added to the EA Report. In addition, the Project has been relocated from Island Falls to Yellow Falls as a result of stakeholder comments received during public and agency review of the Draft EA Report and will not significantly affect recreational activities taking place in or near the Island Falls site, although traffic may be limited along Red Pine Road during construction.	S-6.7.7
228.	CB	239	6.12	"may be abandoned" - should not be an option. Statement should indicate that the site will be left in a state/condition as determined by MNR.	Since the Project will not likely be decommissioned in the foreseeable future, a great deal of uncertainty exists when discussing decommissioning options. As mentioned throughout section 6.12, all aspects of decommissioning, repowering, or abandonment will be undertaken in accordance with the applicable regulation in force at that time including MNR requirements. Abandonment was mentioned in reference to the possible abandonment of certain project components in order to avoid environmental effects associated with their removal, not the abandonment of the entire project. The wording of this section will be adjusted to clarify this.	S-6.12
229.	SD	259	7.3.3.2	Recreational use – agree that improvements on road will be a benefit to users but need to include other recreational use such as loss of white water experiences.	Loss of white water recreational opportunities is not a cumulative effect between this Project and other projects/activities in the area. Therefore, it has not been included in this section.	S-6.7.4
230.	SD	266	8.1.1	Add 'of operations' to 5th bullet – Minimize potential environmental effects *of operations* on natural habitats, flora and fauna.	The bullet will be re-worded to reflect minimization of potential effects during construction and operation of the facility.	S-9.1.1
231.	SD	267	8.1.2	Add to your guiding principles the guiding principle of Adaptive Management from the WMP Guidelines (2002) p.13 Sec 4.2.5.	Adaptive management has been added to the guiding principles of the inspection/monitoring plan.	APP K
232.	SD			Add monitoring	Preparation of an Environmental Monitoring Plan is underway, and will be submitted for agency review and comment prior to release of the final EA Report. The Environmental Monitoring Plan will be included as part of the final EA Report.	APP K
233.	SD	276	8.4.2.1	Prior to operations commencing, the Project will require a WMP amendment. You can amend the plan in 2 ways, coordinated with the ESR or later. A notice of intent to amend the WMP should have been part of the public consultation notificiation. Was that the case? Has a presentation been made to the Standing Advisory Committee of the Mattagami WMP yet? Also, amendments must be consistent with the goals and objectives of the WMP, describe how the new proposal is consistent with the goals and objectives. I would suggest a separate section on the amendment describing the following: Several components of the WMP amendment should be prepared during the ESP and included in the ESR, including a description of the: • zone of influence for the facility; • development and evaluation of options related to flows and levels; • flows and levels under normal operating conditions for the proposed project; and • monitoring requirements as they pertain to flows and levels. MNR will comment on the above as part of the review of the ESR. If issues relating to flows and levels remain unsolved at the end of the EA process, proponents will be advised that these will need to be addressed prior to Plans and Specs approval. Additional consultation may also be required. The WMP package will be prepared that may replicate sections in the ESR and the Dam Operations Plan. The WMP amendment will include the following components: • Approval page • Need and purpose of the amendment • Description of the Zone of Influence for the facility • Description of the waterpower facility • Operating plan • Effectiveness monitoring plan • Compliance plan • Summary of Consultation If the operating plan is consistent with the Operations Plan approved during Section 14 and with the ESR, the WMP amendment does not require further public consultation.	A separate section on the WMP amendment has been added to the EA Report.	S-8.0

No.	Source	Pg.	Section	Comment	Response	Where Addressed in EA
234.	SD			The monitoring section requires more detail. Operational monitoring will be a component of the WMP amendment but can be developed during the EA. Monitoring should be developed to assess the success of proposed mitigation on the predicted effects of flows and levels on the environment. Monitoring should be scientifically defensible, practical and adaptive in nature. Select appropriate indicators and methods that can demonstrate a response to mitigation of a specified effect. The content of a monitoring plan should comprise: • Identified effect and mitigation objective • Monitoring studies identified • Data required and frequency of collection • Data collection methods and protocols • Responsibilities for data collection • Reporting requirements and timelines It is recommended that monitoring assess changes to valued ecosystem components and other biophysical and socio-economic values using relatively simple metrics. Expectations for the magnitude and measurability of response variables should reflect the scale of the effect on flows and levels. Ecological measures may be associated with diversity, population or community measures, and aquatic and riparian habitat extent and composition. To address socio-economic objectives, performance indicators might include success in maintaining water levels within specified elevations, defensive expenditures by riparians (e.g., increase or decrease in shore protection and dredging) etc.	Preparation of an Environmental Monitoring Plan is underway, and will be submitted for agency review and comment prior to release of the final EA Report. The Environmental Monitoring Plan will be included as part of the final EA Report.	APP K

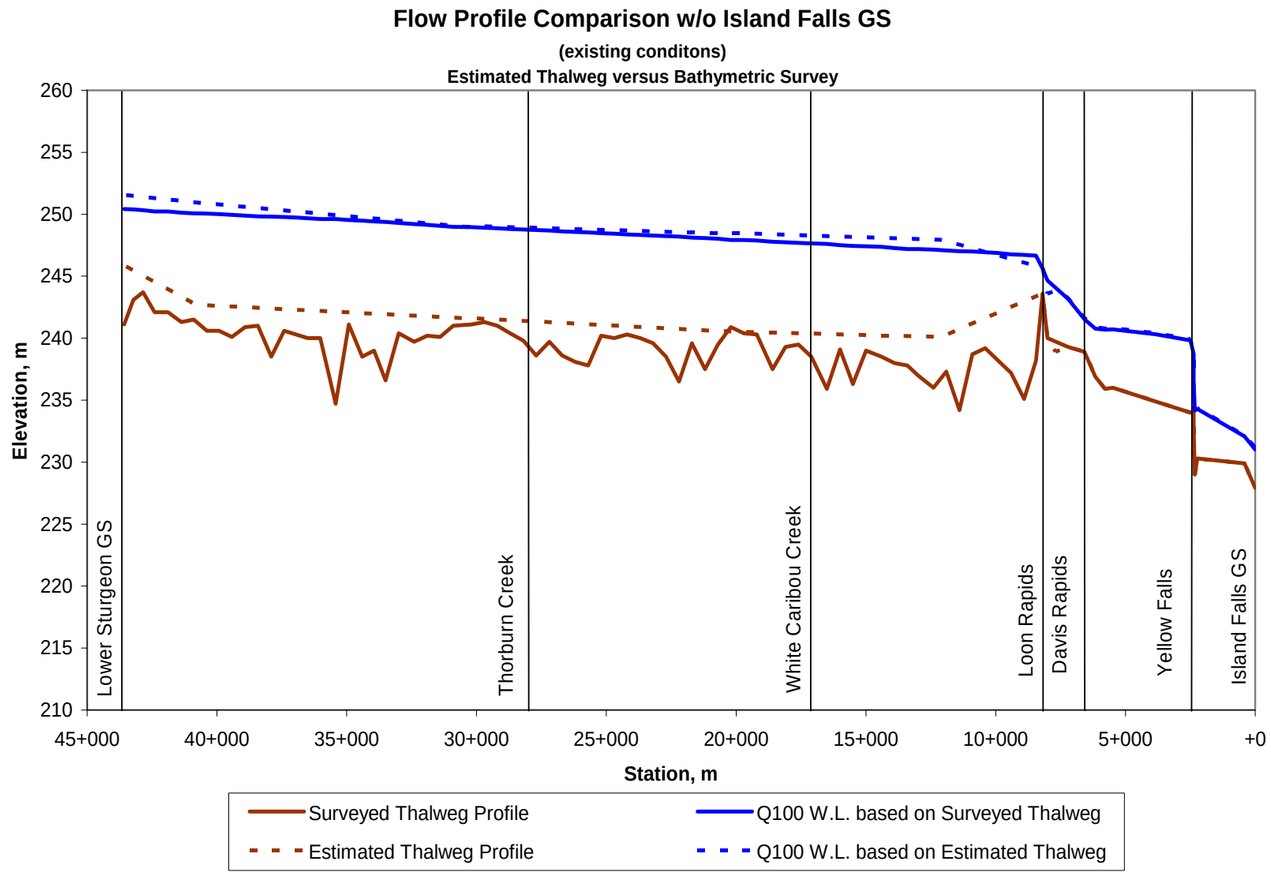
4.3 MINISTRY OF NATURAL RESOURCE DISTRICT ENGINEER COMMENTS

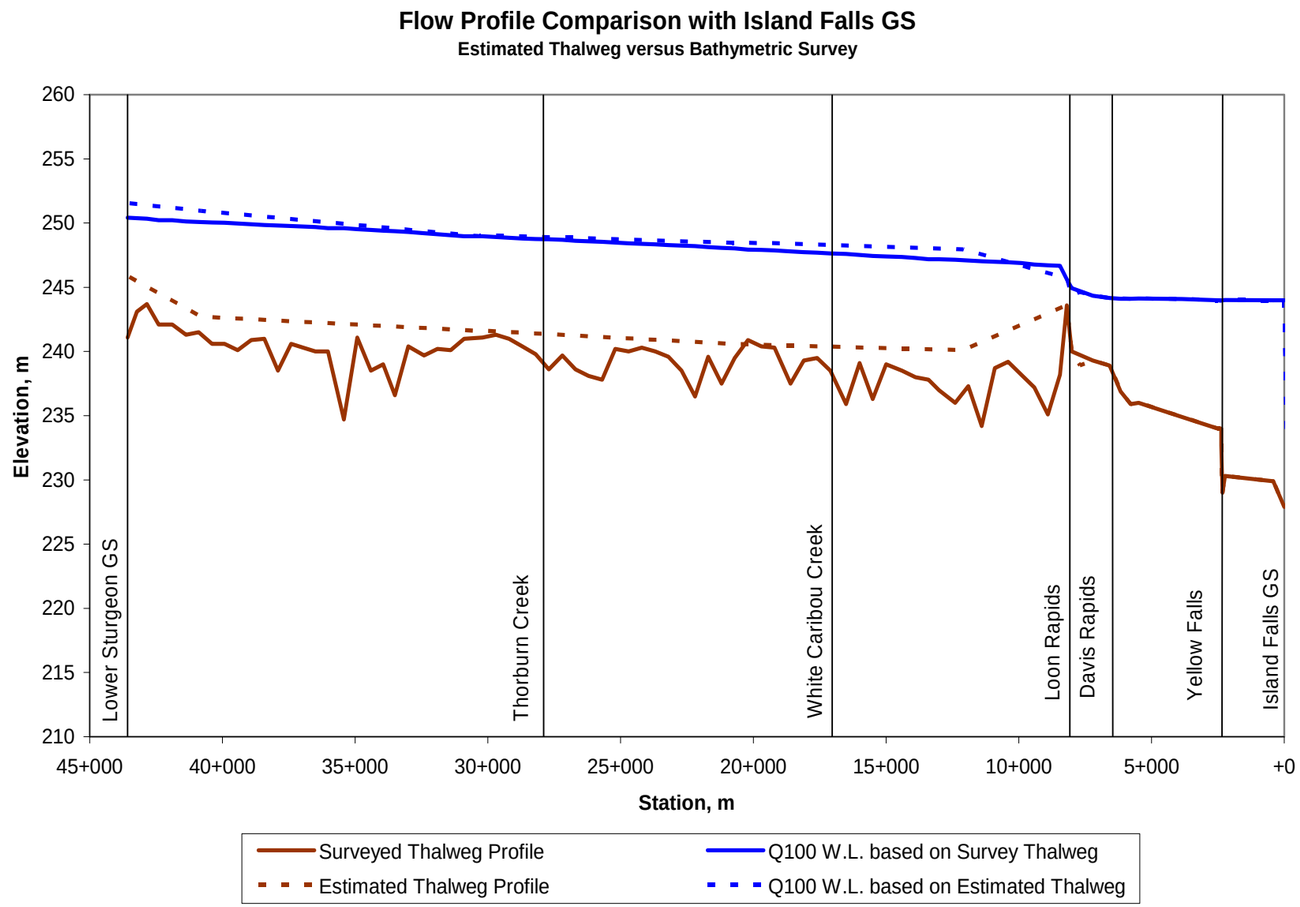
No.	Source	Pg#	Section, table or figure #	Comment	Explanation of how comment was addressed (proponent)	Where Addressed in EA
1.	Vol. 1	E.5		Need to indicate why flow data ends at 1995	Flow data ends in 1995 because this is the last year recorded from the Water Survey of Canada Gauging Station. A footnote has been added to Page E.5 to indicate that this is the case.	
	Vol. 1	G11	Location Approval	Location approval is required under the LRIA and not the PLA	The EA Report has been corrected to indicate that legislative authority for issuing location approval is under the LRIA.	Summary
	Vol. 1	9	1.9.2	Why are almost all of the project disadvantage listed as "potential" yet the project advantages have no qualifier on them?	The significance of negative effects is not noted during the introduction of the EA since assessment of effects once mitigation and protection measures are applied occurs later in the document. However, project advantages are primarily a function of known project characteristics and greater certainty can be applied.	3.0 T. 1.3
	Vol. 1	12	1.10.2	Need to revise potential start date for construction from late 2007 to ???	The potential start date has been revised to the fourth quarter of 2008.	S-1.9.2
	Vol. 1	21	Table 1.3	Location approval under the LRIA not PLA	The EA Report has been corrected to indicate that legislative authority for issuing location approval is under the LRIA.	S-1.10.2
	Vol. 1	21	Table 1.3	Missing Plans and Specification approval under the LRIA	Plans and specifications approval under the LRIA has been added to Table 1.3.	S-3.0 T-1.3
	Vol. 1	26	2.3	Indicates three new bridges on main access road while pg E.1 states 2 new bridges.	Page E.1 states the need for three bridges as follows: • Main access road (includes permanent upgrades to 13.5 km of existing Red Pine Road, 7.9 km of new road, and two new bridges) • Temporary access road (includes upgrades to existing logging road to allow for passage of construction vehicles, and one new bridge) As the project has been relocated to Yellow Falls as a result of stakeholder comments received during public and agency review of the Draft EA Report, additional road will be required. The new access road design will require permanent bridge installation at these same three locations. The location of the access road to the Yellow Falls dam site and the location of the three bridges will be described in the Final EA.	S-3.0 T-1.3
	Vol. 1	30	2.3.5	It is stated that a discharge pipe will provide water during the spawning period, what about water during non-spawning periods?	The dam and powerhouse for the Project has been relocated from Island Falls to Yellow Falls as a result of stakeholder comments received during public and agency review of the Draft EA Report. As a result of Project relocation, a specific discharge pipe or channel to direct flow on potential spawning substrate at Island Falls is no longer required.	N/A
	Vol. 1	57	6.2/6.2.8	It is stated that "The Project will not affect the dam safety ratings of Lower Sturgeon GS and Smooth Rock Falls GS" which contradicts what is stated on page 61 section 2.5/1.1.9 "The Project has the potential to affect the operation or dam safety rating of Lower Sturgeon and Smooth Rock Falls GS".	The Integrated Screening Checklist assists in identifying potential effects that require further study. After further study, including consultation with OPG and Tembec, it was determined that backwater effects resulting from the proposed headpond would not affect the Lower Sturgeon Facility at 1:100 year flood levels and would not affect the dam safety rating of either the Lower Sturgeon or the Smooth Rock Falls hydroelectric generating stations.	S-3.0 T-1.3
	Vol. 1	133	6.2.1.1	It is stated that the cross-sections were developed so they matched surveyed surface levels based on	Bathymetric cross sections of the river surveyed at 500 m intervals from Island Falls to the Lower Sturgeon GS were developed in August 2007 and will be used to develop flow models as appropriate for the Yellow Falls location. Surveyed cross sections will slightly increase accuracy in determining river elevation at different flow levels. The revised HEC-RAS modeling using this data indicated there was an insignificant difference between the levels calculated	S-2.4.2 S-6.21

<table>
<tr><th>No.</th><th>Source</th><th>Pg#</th><th>Section, table or figure #</th><th>Comment</th><th>Explanation of how comment was addressed (proponent)</th><th>Where Addressed in EA</th></tr>
<tr><td></td><td></td><td></td><td></td><td>median river flow. How do the median flows compare to actual flows during the period of surveying i.e., contact OPG to determine what they were releasing during period of survey to calibrate the model.</td><td>previously and those based on the surveyed section. The following table shows the difference in water levels at selected locations with and without Island Falls GS in place.

<table>
<tr><th>Flow Condition</th><th>River Flow (m^3/s)</th><th>Lower Sturgeon GS km43.6</th><th>Thorburn Creek km28.2</th><th>White Caribou Creek km17.1</th><th>Loon Rapids km8.1</th><th>Davis Rapids km7.2</th><th>Yellow Falls km2.4</th><th>Island Falls GS km0.0</th></tr>
<tr><td>Min. Annual</td><td>15</td><td>0.00</td><td>0.19</td><td>0.18</td><td>0.25</td><td>4.06</td><td>10.51</td><td>14.20</td></tr>
<tr><td>Single Unit</td><td>80</td><td>0.00</td><td>0.00</td><td>0.00</td><td>0.00</td><td>3.19</td><td>12.32</td><td>14.19</td></tr>
<tr><td>Mean Annual</td><td>103</td><td>0.00</td><td>0.00</td><td>0.00</td><td>0.01</td><td>3.05</td><td>9.68</td><td>14.18</td></tr>
<tr><td>Two Units</td><td>160</td><td>0.00</td><td>0.00</td><td>0.00</td><td>0.00</td><td>2.86</td><td>9.35</td><td>14.14</td></tr>
<tr><td>1:20 yr Flood</td><td>1003</td><td>0.00</td><td>0.00</td><td>0.00</td><td>0.00</td><td>1.30</td><td>7.64</td><td>13.17</td></tr>
<tr><td>1:100 yr Flood</td><td>1164</td><td>0.00</td><td>0.00</td><td>0.00</td><td>0.00</td><td>1.17</td><td>7.43</td><td>12.97</td></tr>
<tr><td>1:1000 yr Flood</td><td>1414</td><td>0.00</td><td>0.00</td><td>0.00</td><td>0.00</td><td>0.99</td><td>7.16</td><td>12.67</td></tr>
</table>

The following shows a comparison between the preliminary work carried out and the detailed analyses carried out using bathymetric data. It can be seen that the preliminary river thalweg was estimated slightly above the actual surveyed profile, however, the effect on water levels is minimal.</td><td></td></tr>
</table>

No.	Source	Pg#	Section, table or figure #	Comment	Explanation of how comment was addressed (proponent)	Where Addressed in EA
						

No.	Source	Pg#	Section, table or figure #	Comment	Explanation of how comment was addressed (proponent)	Where Addressed in EA
						
	Vol. 1	134	6.2.1.1	Stating that the head pond will fluctuate ±0.5m does this mean that the head pond fluctuated over a 1 metre range i.e., a 1 metre operational range?	The 0.2 to 0.3 m range identified on pages 26 and 31 is correct. The EA Report has been updated to remove references to a +/- 0.5 m range of fluctuations.	S-6.2.1.1 S-8.0
	Vol. 1	137	6.2.1.2	Note that required base flows for the river are not be included within the flow through the turbines i.e., flow through a turbine is not included in the minimum river flow requirements.	As a requirement of the draft Mattagami River Water Management Plan, a 15 m^3/s minimum flow requirement must be met at Smooth Rock Falls GS. The reason for this minimum flow requirement is described variously in the WMP as required to ensure a minimum dissolved oxygen saturation of 47% downstream of the Smooth Rock Falls plant, to meet ecological base flow requirements, and to provide sufficient flow to dilute effluent from the former Tembec pulp and paper mill in the Town of Smooth Rock Falls. This minimum flow requirement has been adopted by the proponent to ensure compliance with the draft Mattagami River WMP. The Project powerhouse is a close-coupled design, and water entering the intake will almost immediately be returned to the river. There is no de-watered or partially dewatered reach of river with this design. As such, water flow through the turbine or through the spillway gates will immediately travel downstream and will be sufficient to meet minimum flow requirements at the Smooth Rock Falls GS unless insufficient water is available from upstream locations due to drought, operation of upstream hydroelectric stations or control dams, or other variables beyond the control of the Proponent. Historical data indicates that river discharge is typically greater than 15 m^3/s minimum flow	S-2.4.2 S-6.2.2 S-8.0

No.	Source	Pg#	Section, table or figure #	Comment	Explanation of how comment was addressed (proponent)	Where Addressed in EA
					requirement 99.7% of the time.	
	Vol. 1	140	Graph 6.4	Note that required base flows for the river are not be included within the plant flow i.e., flow through a turbine is not included in the minimum river flow requirements.	Please see response to Comment 12 above.	S-2.4.2 S-6.2.2 S-8.0
	Vol. 2	3.4	Appendix 11	It is stated that the flow of May 12, 2006 represents low discharge (83.4 m^3/s) which is misleading particularly when this flow has an exceedence level of 30% to 40%. Also flow of 83.4 m^3/s would not be considered as low flow when it is compared to the monthly flows shown in Volume 1 report page 140, graph 6.4.	In this section, high and low flows are discussed for illustrative purposes only as they relate to the mean average and spring-time discharge. This section will be clarified in the Final EA Report.	App F1

4.4 MINISTRY OF NATURAL RESOURCES OUTSTANDING COMMENTS

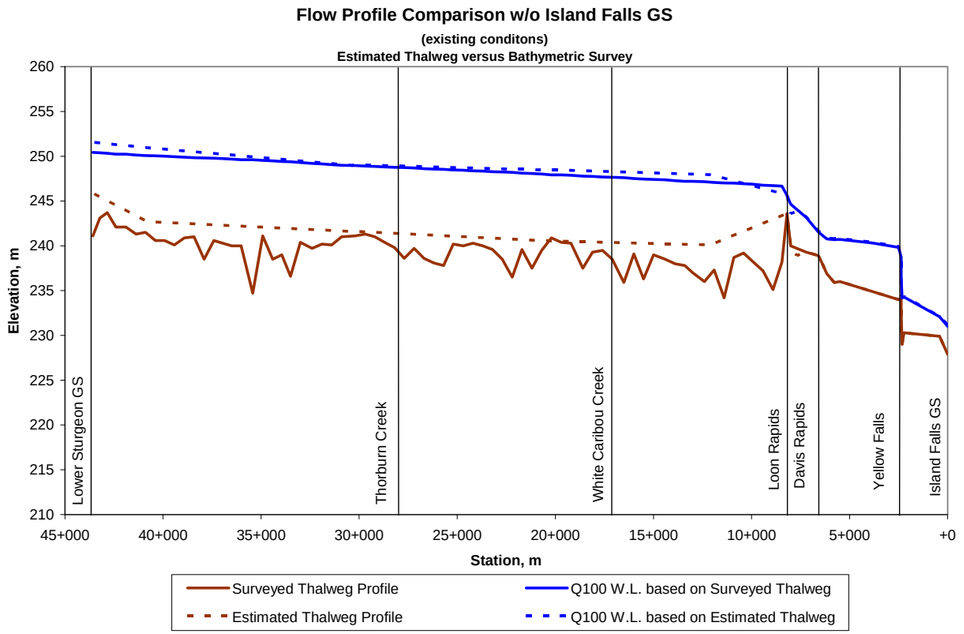
Comment #	Source	Pg#	Section, table or figure #	Comment	Explanation of how comment was addressed (proponent)	Comments addressed? Y/N	Yellow Falls Hydroelectric Project Team Response
19	DS	192	6.6.1.1	Should expand on the use of aggregate as a non-renewable resource. Should include total number of hectares to be impacted and quantity to be used.	Due to the change in Project location and design, aggregate requirements have changed. A quarry is no longer required, and an aggregate source must be acquired. At this time, the quantity of aggregate required has yet to be determined.	No, MNR is currently holding a quarry application in the name of Carlex for this project. If the quarry is no longer required then Carlex needs to submit a letter officially withdrawing the application.	Carlex will submit a letter officially withdrawing the application following final determination of aggregate requirements.
20	DS	193	6.6.1.2	Should describe how appropriate conservation measures of aggregate will be used. (i.e. recycling of aggregate if possible or perhaps the use of existing pits in the area.)	Rock excavated for the powerhouse and spillway will be used as riprap. It is not anticipated that aggregate will be available from the excavation on site for incorporation into the works.	No, Aggregate which is incidental to dam construction should be utilized as much as possible. If not where will it be stored?	Aggregate incidental to dam construction will be used to the extent reasonably possible.
49	RS	31	2.3.8	Headpond increase is stated to be 0m at Loon Rapids which is contrary to Fig. A-5 which shows effects 750 m above Loon Rapids…please clarify.	Average water elevation at Loon Rapids is 244 m above sea level, which is the same elevation as the proposed headpond. Therefore, the headpond will not increase the average water level above Loon Rapids. Revised modelling using cross sections acquired in August 2007 demonstrates that effects of the headpond on water level will not occur beyond approximately 5.7 km upstream of Yellow Falls.	No, please correct Fig. A-5	Figure A-5 will be corrected in the Final EA Report.
58	RS	118	5.8	States a December 1, 2007 deadline….should have read December 7, 2008. Ensure correct deadline on final EA.	The original deadline for public comments on the Draft EA has been changed to December 7, 2007 in the EA Report	No, the year should be 2008 not 2007.	The Draft EA Report was issued on October 29, 2007. The original deadline for public comments on the Draft EA was December 7, 2007. Please see the attached notice which was published in both official languages in the Cochrane Times, Kapuskasing Northern Times, L'Horizon, and The Weekender. The project team is moving towards issuing a Final EA for the Yellow Falls Hydroelectric Project in the third quarter of this year.
67	RS	148	6.2.4.2 1st para	You need to address how increased turbidity during construction and/or operation will effect the municipal water treatment plant at SRF.	Turbidity during construction and operation is not expected to increase to levels that may affect the water treatment plant in Smooth Rock Falls. However, the plant operations manager will be immediately advised if an accidental spill or increase in turbidity occurs.	No, Please make note that communication with the Smooth Rock Falls water treatment plant manager should be maintained at all times to ensure that potential turbidity issues are resolved.	Communication channels will be maintained with the Smooth Rock Falls Water Treatment Plant Manager at all times to ensure that potential turbidity issues are resolved.
72	RS	194	6.6.2.1	An amendment to the Sustainable Forest Licence as well as to the Crown Land Use Policy Atlas may be required to delineate and manage the 120m setback from the newly created headpond boundary.	The requirement for the SFL to be amended has been added to the EA Report.	No, Please include that an amendment to the Crown Land Use Policy Atlas may be required as a result of this process.	The potential requirement to amend the Crown Land Use Policy Atlas will be noted in the Final EA Report.
82	RS	228 229	6.9.3.1 6.9.3.3	Gating the newly created road to the facility at the Red Pine Road is not acceptable. It was understood that public access to the river above and below the dam would be improved. MNR will work with YFP to determine where gates will be located.	Anticipated gating, portage routes, and safety boom locations are shown in Attachment B.	No, no document was attached	Please find gating, portage routes, and safety boom locations shown in attached Drawing 306

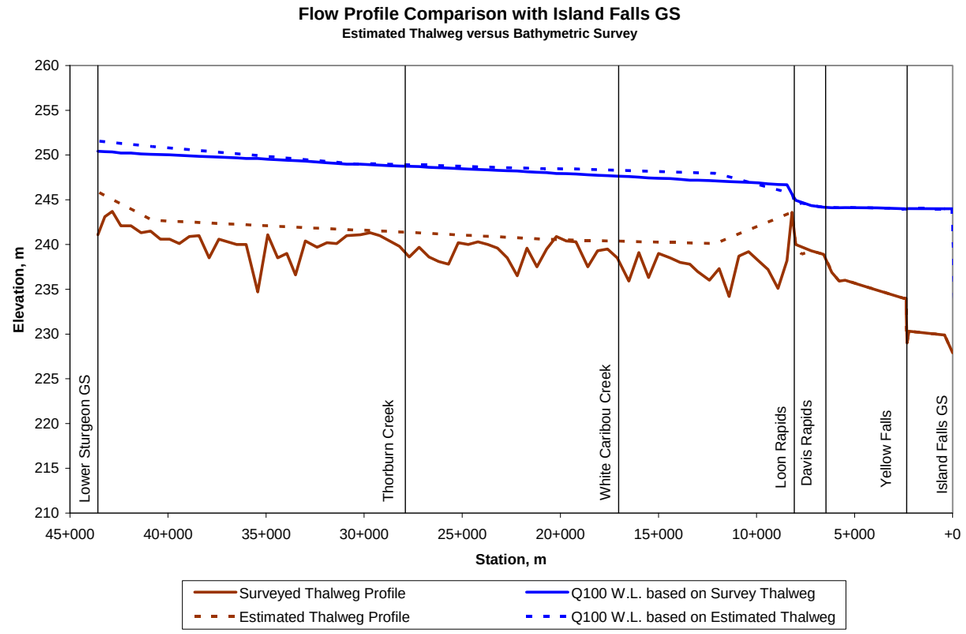
93	RS	App E2	Pg 3 Last bullet, pg 5, 3rd bullet, pg 6 last bullet	"Access to the project site will be improved during operation." You need to address in detail how public access will be restricted...ie. gates, fencing, safety booms. YFP to work with MNR to determine where public access restrictions will be located.	The concordance table provided in Appendix E2 is meant to demonstrate how the EA will take into account preliminary comments on the Screening Checklist. Please refer to the main body of the draft EA Report in reference to this comment.	No, not addressed	This comment was in regards to a concordance table showing locations where comments on the Draft Screening Checklist provided to the MNR were addressed within the Draft EA Report. Additional detail regarding access was contained within the Draft EA Report. Gating, portage routes, and safety boom locations shown in attached Drawing 306. It is anticipated that construction of the Project access Road and construction of a boat launch and portage trail at the Yellow Falls site will improve access to the section of the Mattagami River upstream of Yellow Falls. It should also be noted that the archaeological site located at Yellow Falls is within the fenced portion of Project to ensure protection of this heritage resource feature.

4.5 MINISTRY OF ENVIRONMENT COMMENTS

<table>
<tr><th>No.</th><th>Page</th><th>Section</th><th>Comment/Question</th><th>Response</th><th>Where Addressed in EA</th></tr>
<tr><td>1.</td><td></td><td></td><td>The headpond's water surface profile and inundated area were calculated using HEC RAS hydraulic modeling. Very little information was provided about this modeling exercise. The report indicates many river cross sections used in the model were estimated instead of surveyed, which has created a doubt about the accuracy of the results. No calibration or validation information was provided. Please provide details about the HEC RAS modeling in an appendix including setting up the model, river geometry, boundary conditions etc. The MOE also requests an electronic copy of all relevant HEC-RAS files be submitted to the Ministry quick verification of the accuracy of their hydraulic modeling results.</td><td>It is common practice where bathymetric data is not available to assume cross-section where top widths are know and then calibrate the model based on know water levels and flows. The headpond will influence flows to a greater extent than the original river levels once the plant is in place.

As part of the design process bathymetric cross sections were surveyed at 500 m intervals from Island Falls to the Lower Sturgeon GS. The revised HEC-RAS modeling using this data indicated there was an insignificant difference between the levels calculated previously and those based on the surveyed section.
The following table shows the difference in water levels at selected locations with and without Island Falls GS in place.
Change in Water Levels (m)
<table>
<tr><th>Flow Condition</th><th>River Flow (m³/s)</th><th>Lower Sturgeon GS</th><th>Thorburn Creek</th><th>White Caribou Creek</th><th>Loon Rapids</th><th>Davis Rapids</th><th>Yellow Falls</th><th>Island Falls GS</th></tr>
<tr><td></td><td></td><td>km43.6</td><td>km28.2</td><td>km17.1</td><td>km8.1</td><td>km7.2</td><td>km2.4</td><td>km0.0</td></tr>
<tr><td>Min. Annual</td><td>15</td><td>0.00</td><td>0.19</td><td>0.18</td><td>0.25</td><td>4.06</td><td>10.51</td><td>14.20</td></tr>
<tr><td>Single Unit</td><td>80</td><td>0.00</td><td>0.00</td><td>0.00</td><td>0.00</td><td>3.19</td><td>12.32</td><td>14.19</td></tr>
<tr><td>Mean Annual</td><td>103</td><td>0.00</td><td>0.00</td><td>0.00</td><td>0.01</td><td>3.05</td><td>9.68</td><td>14.18</td></tr>
<tr><td>Two Units</td><td>160</td><td>0.00</td><td>0.00</td><td>0.00</td><td>0.00</td><td>2.86</td><td>9.35</td><td>14.14</td></tr>
<tr><td>1:20 yr Flood</td><td>1003</td><td>0.00</td><td>0.00</td><td>0.00</td><td>0.00</td><td>1.30</td><td>7.64</td><td>13.17</td></tr>
<tr><td>1:100 yr Flood</td><td>1164</td><td>0.00</td><td>0.00</td><td>0.00</td><td>0.00</td><td>1.17</td><td>7.43</td><td>12.97</td></tr>
<tr><td>1:1000 yr Flood</td><td>1414</td><td>0.00</td><td>0.00</td><td>0.00</td><td>0.00</td><td>0.99</td><td>7.16</td><td>12.67</td></tr>
</table>
The following shows a comparison between the preliminary work carried out and the detailed analyses carried out using bathymetric data. It can be seen that the preliminary river thalweg was estimated slightly above the actual surveyed profile, however, the effect on water levels is minimal.</td><td>S-2.4.2
S-6.2</td></tr>
</table>

No.	Page	Section	Comment/Question	Response	Where Addressed in EA
					

No.	Page	Section	Comment/Question	Response	Where Addressed in EA
					
2.		2.3.12 p. 33 6.1.1 p. 123	A component of the proposal includes a quarry as well as a potential sand and gravel extraction site and associated access roads. The proposed location(s) of the sand and gravel extraction, and their access road(s), should be determined within the ERR, and the anticipated impacts and proposed mitigation measures of them discussed. If specific locations cannot be identified at this point, the worst case scenario should be assumed in assessing environmental impacts and necessary mitigation. Please provide more information in this regard.	Due to the change in Project location and design, aggregate requirements have changed. A quarry is no longer required, and an aggregate source must be acquired. At this time, the quantity of aggregate required has yet to be determined. The effects of any aggregate extraction and associated access roads will be assessed as part of the Final EA Report. At this time, it is likely that the access road to the aggregate site will consist of an existing logging road which may require upgrades. In any case, appropriate permits must be obtained from the MNR before any extraction can occur. As part of the permitting process, YFP will develop a rehabilitation strategy for the aggregate extraction site.	S-6.1.1
3.		2.3.13 p. 33	Section 2.3.13 of the ERR states materials and equipment may be shipped by barge during construction. What is the anticipated volume of barge traffic? Will it have any impacts on the river system or the environment at large?	Due to the change in Project location and design, use of barges to transport workers or material during construction is no longer required.	S-2.3.13
4.		4.3.1 p. 69	It is stated in page 189, paragraph 3, "juvenile and adult fish will be able to pass over the fall via the sluiceway", which, according to MOE analysis, is unlikely to happen 85% time of the year because the plant will exceed the turbine capacity only 15% of the time. That is, 85% of the time flow which will be incoming into the headpond will be passing through the turbine without any spillage. The MNR and DFO should also be consulted regarding this flow accounting issue.	The Project has been relocated from Island Falls to Yellow Falls as a result of stakeholder comments received during public and agency review of the Draft EA Report. As a result, no sluiceway is envisioned for the revised Project design.	N/A
5.		4.7.2 p. 84	According to the ERR, French is the primary language for the majority of the people of Smooth Rock Falls (66%). 31% of the community speaks English as their primary language, and only 2% of the population is bilingual. The vast majority of the project information provided and correspondence conducted during consultation appears to be in English. How was the French speaking population consulted? What was the scope of information made available to the public in French?	These statistics indicate mother tongue according to 2001 census data. Most residents of Smooth Rock Falls have knowledge of both official languages. Since the Draft EA release in November, 2006 census language data has become available, which indicates 70% of the Smooth Rock Falls population has knowledge of both official languages, 17% have knowledge of English only, and 13% have knowledge of French only. This data has been clarified in the EA Report and Appendix F1. The proponent has consulted with the French speaking population by publishing all Project notices in both official languages, providing a detailed summary of the Draft EA Report in French, and providing responses to comments or questions in the language the question or comment was received in. Only one comment has been received in French to date.	S-4.7.2 S-5.0 APP F1
6.		5.1.3 p. 93	Section 5.1.3 of the ERR, as well as the Consultation and Information Disclosure Plan (section 2.3) prepared by YFP for Taykwa Tagamou First Nation, acknowledge the importance of considering Aboriginal knowledge, or Traditional Knowledge (TK), in determining environmental and ecological	YFP has invited TTN to provide TK to the EA, however to-date TTN has not brought any information forward for inclusion in the EA.	N/A

No.	Page	Section	Comment/Question	Response	Where Addressed in EA
			impacts. What TK has been collected for this project to date? How has the knowledge been considered in the EA process and incorporated into the ERR?		
7.		5.3.2 p. 96	There are several expositions about the Crown's duty to consult with First Nations that are not required to be made as part of the electricity screening process. These include: Section 5 (third and fourth paragraphs) and Section 5.2.4 (entire section). While these sections are not incorrect, the focus of the ERR should be on the proponent's efforts to consult. Any sections addressing the Crown's duty to consult should recognize that, while the duty to consult ultimately rests with the Crown, the Crown may delegate procedural aspects of such a duty to a third party and has done so as part of the Electricity Screening Process. Section 5.3.2 states the proponent considered several aboriginal related factors when deciding what First Nations to engage. It would be helpful to see the proponent's assessment of these factors in order to determine what steps the Crown should be taking regarding consultation. This information would be required by the Ministry should an elevation request be received, and may be provided as part of the ERR or otherwise. Section 5.5.4.6 states there were a number of meetings at FN communities. It would be helpful to know what if any issues were raised by the communities at these meetings and particularly if there were any rights assertions made by the members. Table 5.1 provides a summary of public comments received. However, the table does not identify which comments were made specifically by First Nation groups. Similarly Table 5.2, which outlines First Nations, organizations and agency engagement, does not summarize meeting discussions with First Nations.	Engagement of the TTN began early in the process in an on-going effort to ensure this Nation was included in a meaningful and timely manner. After early discussions with government agencies, YFP was informed by the MNR that the proposed Project is located within lands traditionally used by Taykwa Tagamou First Nation ("TTN"). Therefore, it became imperative for YFP to consult with the TTN early in the planning process. As the EA process progressed, letters were sent by Stantec to Ontario Secretariat of Aboriginal Affairs (now the Ontario Ministry of Aboriginal Affairs), INAC Specific Claims Branch, INAC Litigation Branch, INAC Comprehensive Claims Branch, and the Union of Ontario Indians on June 15, 2006. Responses were received from INAC on June 23, 2006, July 21, 2006, and February 23, 2007 indicating that there were no outstanding land claims in the area. A response was finally received from OSAA on February 6, 2007 indicating that several other First Nations may have an interest in the Project. Subsequently, letters were sent on April 17, 2007 to the Matachewan, Wahgoshig, Mattagami, Nishnawbe-Aski, and Flying Post First Nations. To date, YFP has contacted all of the First Nations communities and organizations identified by OSAA, as well as the TTN and MFN. The TTN, MFN, FPFN, WFN and the Wabun Tribal Council are currently engaged in the Project. All of the First Nations above have received copies of the Draft EA Report for comment and review, and have received Spring 2008 Project Newsletter outlining key project changes since issuance of the draft EA Report, including relocation of the dam/powerhouse structure to Yellow Falls (approximately 2 km downstream) and consequent re-alignment of associated infrastructure. A letter detailing YFP's First Nation engagement efforts is forthcoming under separate cover.	S-5.0
8.		5.3.3	Section 5.3.3 of the ERR lists project stakeholders. Private land owners within the study area do not appear to be included as stakeholders. Figure F2-12, however, shows significant private land ownership within the southern portion of the study area. How were private land owners, claim holders, lease holders, and other individuals with existing tenure consulted with?	Private land owners in the study area were included as project stakeholders as community members, which included residents in Smooth Rock Falls and the surrounding area. The definition of community stakeholders has been revised to clarify inclusion of landowners within the study area. Several methods were used to ensure landowners are aware of the project, including a confidential mailing list maintained by the MNR which included individuals with tenure, newspaper notification, mass mailings.	S-5.3.3
9.		5.6.2 p. 110 6.10 p. 237	The project study area is located within the traditional territory of the Taykwa Tagamou First Nation (TTN), and a business to business impact benefit agreement has been signed between them and YFP. In addition, the Mattagami, Wahgoshig, Flying Post and Matachewan First Nations have voiced interest in the Island Falls Hydro proposal. Both Matachewan and Flying Post First Nations have submitted land claims to Ontario Secretariat for Aboriginal Affairs (OSAA) with regard to land in Northern Ontario. While these claims are not located within the project study area, there is potential for the project to be of interest to these groups. What is the status of discussions with the Mattagami, Wahgoshig, Flying Post and Matachewan First Nations? What concerns with or support for the project have they voiced to date?	The TTN, MFN, FPFN, WFN and the Wabun Tribal Council are currently engaged in the Project. A letter detailing YFP's aboriginal engagement efforts is forthcoming under separate cover.	N/A
10.		5.6.2 p. 112	Section 5.6.2 (page 112) states "…TTFN was the only First Nation community identified to have a potential interest in the project due to traditional territory and land use." It would be useful to know how the proponent came to that conclusion. Was any research regarding i.e. historical occupancy or treaty rights conducted to determine which First Nations to consult with? Please synthesize your methodology in making this conclusion within the ERR.	Engagement of the TTN began early in the process in an on-going effort to ensure this Nation was included in a meaningful and timely manner. After early discussions with government agencies, YFP was informed by the MNR that the proposed Project is located within lands traditionally used by Taykwa Tagamou First Nation ("TTN"). Therefore, it became imperative to include TTN in meaningful consultation with YFP early in the planning process. As the EA process progressed, letters were sent by Stantec to Ontario Secretariat of Aboriginal Affairs (now the Ontario Ministry of Aboriginal Affairs), INAC Specific Claims Branch, INAC Litigation Branch, INAC Comprehensive Claims Branch, and the Union of Ontario Indians on June 15, 2006. Responses were received from INAC on June 23, 2006, July 21, 2006, and February 23, 2007 indicating that there were no outstanding land claims in the area. A response was received from OSAA on February 6, 2007 indicating that several other First Nations may have an interest in the Project. Subsequently, letters were sent on April 17, 2007 to the Matachewan, Wahgoshig, Mattagami, Nishnawbe-Aski, and Flying Post First Nations.	S-5.6.2
11.		5.8 p. 118	Section 5.8 discusses stakeholder review of the ERR, and identifies where copies of the report are available for public viewing. The MOE recommends copies of the ERR also be sent to interested First Nations directly, particularly where the Nation has made a rights assertion	The Draft EA Report was sent to First Nations expressing an interest in the Project for their review and comment.	S-N/A
12.		6.10 p. 232	Section 6.10 of the ERR discusses impacts of the proposal on First Nations and Aboriginal communities, Treaty and Aboriginal rights, and Native land claims. This section is quite cursory. How do the TTN and other First Nations use the land within the study area? How would these uses be impacted through project construction and operation? What is the nature and basis of the land claims in the vicinity, and do they have a bearing on the proposal? Subsection 6.10.2.1 contains a cursory analysis of potential impacts to hunting, fishing and trapping. It would be useful if there was reference to the studies that were conducted in order to ascertain why the proponent is of the view that the impacts to aboriginal uses would be minimal. Please provide more detail in the assessment of these issues.	Effects on treaty rights are addressed in Section 6.10 of the Draft EA Report. Existing Land Claims (2) were identified by INAC litigation management and resolution Branch as follows: ▪ *Chief John Fletcher, Jacqueline Fletcher and Roy Gideon on their own behalf and on behalf of all members of the Missanabie Cree First Nation v. Attorney General of Ontario.* o This case involved Ontario social assistance legislation, and a decision was rendered. ▪ Mushkegowuk Council, Attawapiskat First Nation, Chapleau Cree First Nation, Fort Albany First Nation, Kashechewan First Nation, Missanabie Cree First Nation, Moose Cree First Nation, New Post First nation v. Attorney General of Canada. o A Notice of Discontinuance was issued related to this claim, formally withdrawing it shortly after the claim was issued. As discussed in response to a previous comment, no TK was provided by TTN or any other FN. To-date, information received from Mattagami First Nation has indicated only that they consider the Project location to be part of their traditional territory, and that they traveled at times in their history down the Mattagami through the Project Area. No further detail on use of the area by First Nations has been obtained.	S-6.10

No.	Page	Section	Comment/Question	Response	Where Addressed in EA
				First Nations may also have an interest in archaeological assessment and artifacts in the Study Area. Members of the TTN assisted the Archaeological field crew in determining any interest in area sites or artifacts.	
13.		6.2.2 p. 138 2.3.2 p. 28	The intake structure is proposed to design as bottom draw system, that is, intake location would be approximately 15 m below the water surface. This will create huge hydrostatic pressure difference across the plant resulting in tremendous pressurised flow in the tailrace area, which most likely would destroy fish and fish habitat. Please describe how that pressurized flow will be managed in the ERR and will be materialised in the design of the plant. The bottom draw system is likely to create a dissolved oxygen deficit downstream of the plant because of the likelihood of the thermal stratification and creation of a *hypolimnion* layer near the intake zone in the proposed 15 m deep headpond.	Bottom draw or top draw does not impact the pressure difference between the headpond and tailwater levels. It is this pressure (head) that is used to drive the generating equipment. The units dissipate the pressure and water exits the draft tube at tailwater pressure. That is why conditions downstream of a powerhouse of this type are relatively calm compared to downstream of a spillway with the same head drop. Conditions will be similar to Lower Sturgeon GS and Smooth Rock Falls GS. The intake to the powerhouse is shaped such that uniform flow conditions are developed that draw water from all around the plant and not just in a funnel through the plant. Caution has to be taken in the design to provide sufficient submergence at the intake so that vortices don't form and draw air through the units. The discharge from the draft tube and the rising tailrace outlet direct flows to the surface allowing air to mix in the flow.	S-6.2.2
14.		6.2.2.2 p. 140	Within the report section 6.2.2.2 seepage through the coffer dams will be handled using settling ponds to settle out sediment contained in the water before discharging the clean water back into the river through dispersion units such as large cages filled with straw bales to limit flow velocity and potential river bank erosion. Turbid water removed from behind the cofferdams is considered to be wastewater, and any collection, transmission, treatment and disposal of wastewater would require a section 53 *Ontario Water Resources Act* (OWRA) approval. This is true for both permanent and temporary works. The application for a sewage works approval should include specific information on discharge locations, potential contaminants, and proposed effluent limits. A Permit to Take Water for dewatering activities will also be required under section 34 of the OWRA. Spill containment for on site transformers may also require an approval under Section 53 of the OWRA if a discharge is proposed. Questions about approval of spill containment for transformers should be directed to MOE Environmental Assessment and Approvals Branch. Monitoring of the discharged effluent should be performed at least 4 times per year (seasonal) by analysis of grab samples for oil and grease.	The requirement to obtain approval under Section 53 of the Ontario Water Resources Act for wastewater has been noted in the EA Report. The requirement for approval and monitoring of rain-water discharge from spill containment facilities is noted.	S-6.2.2.2
15.		6.2.2.2 p. 140	Concrete will be required for the construction of this project. If concrete ready mix trucks deliver the needed concrete to the site, any wash water from the cleaning of cement truck drums needs to be disposed of in a sewage works designed for that purpose and approved under Section 53 (1) of the *Ontario Water Resource Act*, or under Part 8 of the *Building Code Act*.	Concrete and concrete transport will be supplied by a contractor. The contractor will be required to obtain approval under Section 53 of the Ontario Water Resources Act to dispose of water used to clean cement truck drums.	S-6.2.4
16.		6.2.2.2 p. 140	Permits to Take Water (PTTW), under section 34 of the *Ontario Water Resources Act*, are required where taking, dewatering, storage or diversion of water will exceed 50,000 litres in a day. As mentioned above, this could include dewatering behind a coffer dam to allow work in the dry, modifications to dams to change water levels in a portion of the watercourse, and diversion of water from the river through the powerhouse. Questions about the PTTW program should be directed to Eva Maciaszek at (807) 475-1734. All Certificate of Approval and Permit to Take Water applications should be submitted to the attention of Marie LeGrow, marked "Personal and Confidential". Please submit applications to: Marie LeGrow Senior Program Support Coordinator Environmental Assessment and Approvals Branch Ministry of the Environment 2 St. Clair Avenue West, Floor 12A Toronto ON M4V 1L5	The requirement for the proponent to obtain PTTW is noted in the EA Report.	S-6.2.2.2 S-6.2.7.2 S-6.3.1.2
17.		6.2.3.1 p. 143-144	How were graphs 6.5 and 6.6 developed on pages 143 and 144? Graph 6.5 is the comparison of pre- and post-development sedimentation within the headpond, and graph 6.6 is the comparison of pre- and post-development erosion within the headpond.	Graphs 6.5 and 6.6 were developed using Figure 9.12 – Velocity criterion developed by Hjalstrom in 1935 to describe the ignition of erosion and of deposition for uniform particles. in Graf, W.H. 1971. *Hydraulics of Sediment Transport*. McGraw-Hill: New York.	S-6.2.3.1
18.		6.2.3.2 p. 144	Where dredging is required, consideration should be given to appropriate storage, handling, dewatering and disposal of excavated material. Excavated materials must be disposed of in accordance with this Ministry's legislation and guidelines. Guidance on near shore construction and dredging may be obtained from this Ministry's *Guidelines for Evaluating Construction Activities Impacting on Water Resources* dated January 1995 and *Evaluating Construction Activities Impacting on Water Resources, Part III A, Part III B, and Part III C* dated February 1994.	The requirement for the proponent to discuss dredging with the MOE, MNR, and DFO and abide by relevant legislation has been noted in the EA Report.	S-6.2.3.1 S-6.2.3.2
19.		6.2.3.3 p. 145	As stated in page 145 (sec. 6.2.3.3), the project will increase sediment loading throughout the headpond. However, a reduction in sediment entrainment within the headpond area will counteract this phenomenon and reduce the net effect. Please explain how a reduction in sediment entrainment within the headpond area will happen.	Water velocities within the headpond are reduced relative to the existing conditions and upstream conditions. As a consequence of this reduced velocity, two phenomena occur: 1) A portion of the sediments contained within the incoming river flows will settle out, and, 2) The amount of sediment that will be entrained (i.e. 'picked up' and moved downstream) from within the headpond area will be reduced.	S-6.2.3.3

No.	Page	Section	Comment/Question	Response	Where Addressed in EA
				This statement will be clarified in the Final EA Report.	
20.		6.2.4 p. 146	Dissolved oxygen concentrations at depth are predicted to remain oxic. However with a maximum depth of 17m +, the headpond could stratify which may lead to some degree of oxygen depletion unless offset by river flows or wind induced mixing.	Background biochemical oxygen demand, and sediment oxygen demand are not at high enough levels to reduce dissolved oxygen levels in the headpond to critical levels during low flow periods when the headpond might stratify. This comment will be addressed in more detail in the revised EA Report.	S-6.2.4.1
21.		6.2.4 p. 146 6.28 p. 154	Appropriate mitigation measures should be considered prior to construction to ensure protection of surface water. For example: machinery should not operate directly in a watercourse; refuelling of all vehicles and equipment should be done away from watercourses; adequate erosion and sedimentation controls must be incorporated into the planning and construction for the project; the time of excavation to restoration must be kept to a minimum; disturbed shoreline should be stabilized as soon as possible; removal of vegetation from the right-of-way should be kept to a minimum; materials removed and stockpiled such as excavated soil and backfill material must be contained in a manner to ensure sediment does not enter a waterway. Long term erosion and water quality impairment must not occur as a result of this project.	These mitigation measures have been noted in the Draft EA Report.	S-6.1.3.2 S-6.2.4.2
22.		6.2.4 p. 146	Section 6.2.4 states acid rock drainage may occur during construction, and that to mitigate, exposed rock should be tested to ensure significant sulphide oxidation will not occur prior to being used or spoiled. Is this a commitment by the proponent? What if results show a high potential for sulphide oxidation?	Additional mitigation measures including disposal, appropriate use, and the application of cover have been proposed in the EA Report.as outlined in the Saskatchewan Environment and Public Safety Mines Pollution Control Branch 1992 Report 93301: Mine Rock Guidelines – Design and Control of Drainage Water Quality,prepared by Steffen, Robertson, and Kirsten Inc.	S-6.2.4
23.		6.2.4 p. 146	No baseline information is provided about sediment quality in the study area. Baseline sediment quality information must be established with a statistically reliable number of events to assess the post project impact. Sediment analyses must be completed to consider the extent of methyl mercury production in the newly flooded headpond. In lacustrine ecosystem, sediments constitute the main reservoir of mercury.	YFP will analyze representative sediment and soil samples for total mercury in the summer of 2008, thus providing baseline data for subsequent comparison to post-construction sampling.	N/A
24.		6.2.7.1 p. 153	How many sampling events were undertaken to establish baseline water quality data in the study area? Adequate sampling is important to establish baseline water quality information. At least four samples over a minimum one year period is required in the proposed headpond area, as well as upstream and downstream. The timing of sampling collection should capture various flow regimes (25th, 50th and 75th percentiles) and seasonal variability (spring, summer, fall) – flow considerations supersede seasonal variability. Generally surface grabs are adequate but profiles may be needed in upstream quiescent zones or pools.	Nine stations were sampled for water quality on June 1, 2006 under approximately average flow conditions. Water quality analysis was performed for 35 metals, inorganics such as arsenic, sodium, selenium, cyanide, nitrates and nitrites, total phosphorus, and other parameters, including nitrogen, hardness, suspended solids, and dissolved solids. Tested water quality parameters are within MOE guidelines (2005) for potable water in fine-grained soils. Iron exceeds MOE aesthetic objectives for drinking water (2006a), as is common in rivers throughout the Canadian Shield. Naturally occurring iron gives the water in the Mattagami River a characteristic yellowish colour. During spring 2006 aquatic sampling, readings were taken for temperature, dissolved oxygen, pH, and conductivity at over 90 locations. During summer 2006 aquatic sampling, readings were taken for temperate at 147 locations, dissolved oxygen at 23 locations, pH at 23 locations, and conductivity at 23 locations. Secchi disk measurements were taken at 10 locations.	N/A
25.		6.2.7.1 p. 153	Section 6.2.7.1 addresses potential impacts to groundwater resources. 113 wells are located within the study area, with the closest well being 17km from the proposed facility location. Significant dewatering of groundwater and discharge to surface water may be required during construction, excavation and blasting. Should the amount of dewatering be greater than 50,000 l/day, a Permit to Take Water will be required. A more detailed review of ground and surface water impacts of the taking will be required to support the application.	The requirement for PTTW should dewatered amounts exceed 50,000 l per day has been noted in the EA Report.	S-6.2.7.2
26.		6.2.7.1 p. 153	YFP proposes to construct a service building which will include a septic system and potable water supply. Please be advised, individual septic systems with a capacity of 10,000litres/day require approval from the local Health Unit. If a system of greater than 10,000litres/day is proposed, approval is required from the Ministry of the Environment. The Ministry of the Environment does not recommend the consumption of water that has not been disinfected and/or treated to meet the Ontario Drinking Water Standards. Should the proposed potable water system serve a public or designated facility, approval of the system may be required under regulations of the *Safe Drinking Water Act*. For more information in this regard, please contact the MOE Safe Drinking Water Branch at (807) 475-1249.	The proposed potable water system will not serve a public or designated facility. However, it has been noted that potable water will be required to meet Ontario Drinking Water Standards for the safety of plant personnel. Mitigation measures have been introduced to require adequate treatment of potable water.	S-6.2.7.2
27.		6.3.1.2 p. 158	The MOE recommends the reduction of vehicle idling during construction and operation to encourage better air quality.	The recommendation to reduce vehicle idling is has been noted in the EA Report.	S-6.3.2.2
28.		6.3.3.1 p. 161 6.3.3.3 p. 162	The type of project addressed by this document includes construction activities, that are temporary in duration, and operational activities that are continuous in time. The MOE has three documents for reference that apply to noise and vibration from construction and blasting activities, as well as for compliance with noise limits from the operation of the facility. These are MOE Publications *NPC -115 Construction Equipment*, *NPC-119 Blasting*, and *NPC-232 Sound Level Limits for Stationary Sources in Class 3 Areas (Rural).* On Page 161 of the report, subsection 6.3.3.1 Potential Effects – Operation, the last two sentences use	Compliance with NPC-115 Construction Equipment, NPC-199 Blastings, and NPC-232 Sound Level Limits for Stationary Sources in Class 3 Areas is required in the EA Report. The EA Report has been revised to ensure consistent terminology regarding noise is used and to ensure compliance by replacing the word “should” with the word “will” where applicable.	S-6.3.3.2 APP G1 – V S – 6.0 throughout

No.	Page	Section	Comment/Question	Response	Where Addressed in EA
			incorrect acoustical terminology and should be corrected. The report must use same terminology as in the MOE publications. Therefore must describe the predicted noise from the facility in terms of "Sound Pressure Level" in dBA units (not "sound intensity" in dB). Also the report should indicate the applicable MOE noise limits that the facility will comply. This would be as per NPC – 232. On page 161 of the report, subsection 6.3.3.2 Mitigation and Protection Measures, the proposed noise and vibration control measures are indicated. However, since these measures are required for compliance then the wording must reflect this intent in this subsection by using the word "will" instead of "should".		
29.		6.3.3.1 p. 161	Since the project is at an initial design stage, the report provides only preliminary information as opposed to the detailed noise impact assessment that ultimately is required for an application for Certificate of Approval under Section 9 of the EPA. Please contact Approvals staff at (416) 314-8001 if you have questions about air approval requirements. Dust should be controlled along access roads and in construction areas. Again, if taking of water in excess of 50,000 liters per day is required for the purpose of dust suppression, a Permit to Take Water is required from the MOE.	YFP will confirm air approval requirements with the MOE. The requirement for the proponent to obtain PTTW is noted in the EA Report.	S-6.3.3 APP J
30.		6.5.1 p. 177	The areas affecting loss of fish habitat fall under the no net loss mandate (Harmful Alteration, Disruption or Destruction) of the DFO enforced Fisheries Act. Although the EA concluded that impacts to fish would be of a low significance, the loss of lake sturgeon spawning habitat is a serious habitat loss issue. Lake Sturgeon are sensitive to this type of habitat disturbance and have suffered population declines in areas of the Mattagami and Abitibi Rivers that were previously impounded. All efforts possible should be implemented to protect sturgeon habitat and to allow for migration above the dam.	The selection of Yellow Falls as the new dam site will mean that potential lake sturgeon spawning locations below Island Falls will not be directly affected by the tailrace. Stantec Consulting Limited's (Stantec) 2006 assessment of fish passage at Yellow Falls concluded that the Falls is not passable for target fish species. Large and small mesh gill nets and egg mats will be deployed below Yellow Falls in the spring of 2008, in order to ascertain if any of the target fish species are present. The mitigation of potential effects of dam operations on spawning habitat at Yellow Falls and Island Falls through the maintenance of suitable flows will be addressed through pending discussions with the MNR and DFO.	S-6.5.1.1 S-6.5.1.2
31.		6.5.1.1 p. 179 6.5.1.2 p. 182	The statements such as "construction of the permanent structures will have little effect on fish habitat upstream of the dam" (page 179, 2nd paragraph), and "formation of the headpond results in an overall net gain in aquatic habitat" (page 182, 5th paragraph), are not defendable unless any scientific calculations are shown. Currently, science in this area is more advanced and few 1- and 2-D habitat simulation models are available in the market to assess the loss or gain of usable habitat using the concept of weighted useable area, in which, weights are calculated considering depth, velocity, substrate, and habitat suitability index curves of various species and different life stages. Please provide some scientific calculations to support the above statements.	Appendix D of the Aquatic Assessment calculated losses and gains of fish habitat using a similar methodology. Average habitat suitability index values were estimated for each reach, for both the present-day condition, as well as the post-construction condition. However, the comment is valid. We can say more about the nature of the habitats lost using the proposed weighting scheme, and will do so in the revised EA.	S-6.5.1.1 S-6.5.1.2 APP G1-IV
32.		6.5.1.2 p. 183	It is proposed to spill a minimum of 1 cms flow at all times to allow continual downstream passage of fish across the dam (page 185, 2nd paragraph). Is this flow sufficient for fish movement across the dam? The statement requires justification with scientific supporting references. DFO and MNR must also be consulted in this regard.	The Project has been relocated from Island Falls to Yellow Falls as a result of stakeholder comments received during public and agency review of the Draft EA Report. As a result, calculation of water spill is ongoing, but downstream passage of fish will be ensured. Spill will be dispersed across the 17 bay spillway envisaged for the relocated plant. Therefore, a fisheries compensation discharge pipe or channel will no longer be required.	N/A
33.		6.5.2.2 p. 189	A fisheries compensation flow during spawning period is proposed to be 20% of the average monthly flow of May (page 183, 2nd paragraph). If it is quantified, that flow will be 59 cms, which is much less than the recommended ecological baseflow during that period according to Alberta 15/80, Parks Canada 10/90 and Tessman methods. It should be noted that the greatest amount of spawning activity within the study area was identified at the base of Island Falls, therefore, redistribution of the spawning flow to cover spawning and rearing areas is also important.	The Project has been relocated from Island Falls to Yellow Falls as a result of stakeholder comments received during public and agency review of the Draft EA Report. As a result, calculation of water spill is ongoing, but downstream passage of fish will be ensured. Spill will be dispersed across the 17 bay spillway envisaged for the relocated plant. Therefore, a fisheries compensation discharge pipe or channel will no longer be required.	N/A
34.		6.7.4 p. 206 6.8.4 p. 220	The Friends of the Mattagami have voiced considerable opposition to the proposed Island Falls development. Reasons for their opposition include loss of natural aesthetics, white water paddling and general recreational opportunities; fisheries and bald eagle impacts; sedimentation and water quality impacts; and loss of potential revenue from current and planned ecotourism development. Smooth Rock Falls Town Council has passed a resolution in support of the Friends of Mattagami. The ERR also notes the subject stretch of the Mattagami River is designated as a provincial canoe route. What are the purpose and the effects of this designation? What uses are permitted within it? Have recreation and/or tourism development plans for the study area been developed by the Town of Smooth Rock Falls (or other nearby communities)? Do their Official Plan or other community planning and development documents identify ecotourism as a sector of future economic growth? YFP is reminded that "environment" as defined under section 1(1)(c) of the *Environmental Assessment Act*, and page 4 of the Guide to EA Requirements for Electricity Projects includes "the social, economic, and cultural conditions that influence the life of humans or a community". As such, the proponent is required to address economic impacts of the project during the Environmental Assessment process. Please assess potential	Recreational opportunities are primarily located between the Town of Smooth Rock Falls and Island Falls. Although numerous logging roads traverse the Study Area, few lead to the Mattagami River. Lack of river access via roads and resulting from natural barriers to navigation prevent recreational opportunities from becoming prevalent further upstream. Davis Rapids may provide limited Class I –II whitewater opportunities suited to the casual recreational user, but lack of put-in and take-out points along with whitewater length and quality would limit further opportunities. No whitewater is present which is of significant length and classification to challenge relatively skilled enthusiasts. It is presumed that the purpose of the Provincial Canoe Route designation is to encourage use of Ontario's waterways for canoeing and camping. Historically, portages along provincial canoe routes were maintained. Currently, portages are overgrown and may require considerable effort to traverse. Ecotourism development has been assessed in the EA Report. Currently, there are no ecotourism providers operating in the Study Area and documents do not indicate that ecotourism is a sector of future economic growth. Due to the lack of "remoteness" as defined in ecotourism literature, the Study Area may not provide an ideal location to carry out ecotourism business, although the Mattagami River generally offers considerable opportunities for outdoor recreation. Through extensive consultation with the local community, including the Friends of the Mattagami River, the revised project location at Yellow Falls was identified. A key component of this design change was the use of Island Falls and the Mattagami River between Island Falls and Smooth Rock Falls by the community. The Friends of the Mattagami have now confirmed their acceptance	S-6.7.4 S-6.8.5

No.	Page	Section	Comment/Question	Response	Where Addressed in EA
			impacts to ecotourism development in more detail and propose methods of mitigation or compensation if necessary.	of the project at the Yellow Falls location.	
35.		6.7.6 p. 207	As committed to in the ERR, all non-hazardous waste must be disposed of at an MOE approved waste management facility. The report states the waste will be disposed of at municipally operated facilities. Which facilities have been identified? What is the expected volume of waste? Are they approved to receive all types of waste that will be generated? Please confirm the identified facilities are willing to accept the waste, and have the capacity to do so. The report also notes that hazardous materials, primarily fuel, oil, lubricants, and cooling fluids, will be used throughout the life cycle of the project. The waste fluids will eventually need to be removed from the project site and recycled or disposed of as per provincial waste management regulation O. Reg. 347 of the *Environmental Protection Act.* The proponent shall submit a Generator Registration Report for each waste generated at the facility. Please refer to www.hwin.ca for registration details. All spills that could potentially cause an adverse effect must be reported to the Spills Action Centre of the Ministry of the Environment at 1-800-268-6060.	Additional mitigation and protection measures to deal with waste disposal have been added to the EA Report as follows: ▪ The proponent will be required to submit Generator Registration Reports for waste ▪ The proponent will be required to dispose of hazardous material as set out in O.Reg. 347 of the Environmental Protection Act.	S-6.7.6.2
36.		6.7.6 p. 207	MOE Guideline D-4, and section 46 of the *Environmental Protection Act* limit development on and adjacent to active and closed waste disposal sites. According to Figure No. F2-11, the project location is not in close proximity (i.e. within 500 meters) of any closed or active waste disposal sites. Please confirm whether or not this is the case. Please confirm whether or not there are any other landfill sites in the project study area. Should there be any sites, please provide an assessment of how the proposal is in keeping with D-4 and s. 36 of the *Environmental Protection Act*, and map the location of any active or closed waste disposal sites within the ERR. Section 46 of the EPA can be found at www.e-laws.gov.on.ca, and Guideline D-4 at www.ene.gov.on.ca/envision/gp/2158.pdf.	No other landfills are known to exist in the Study Area. The EA Report contains the following measures in the event of unexpected finds related to waste disposal or contaminated sites: Although efforts have been made to identify potential sites in the vicinity of the Project through a review of landfill records and contact with MOE, the potential exists for unknown material to be encountered during construction. If evidence of potential contamination is found, such as buried tanks, drums, oil residue or gaseous odour, construction will immediately cease until the source of the material is further investigated. The MOE will be notified as soon as possible if the source is not immediately obvious or containable.	S-6.7.6
37.		6.9 p. 224	Section 4.9 of the report describes the existing heritage, culture, landscape and archaeological resources. Through Stage I, II and III Archaeological and Cultural Heritage Assessments, it six sites of interest were found along the Mattagami River within the study area, and one significant archaeological site at Yellow Falls. Sections 4.9 and 6.10.1.2 further recommend the site be protected from disturbance or erosion and a site protection plan and management protocol states further archaeological investigation should be agreed upon with the TTN. Further archaeological investigations are required to facilitate this. What comments has the Ministry of Culture made in regarding archaeological resources?	The Ministry of Culture commented on September 24, 2007, concurring with recommendations made in the Archaeological Assessment and allowing construction to proceed from a cultural heritage perspective provided that the terms and conditions of the Archaeological Assessment are met. These terms and conditions included development of a protection plan for the Yellow Falls site and additional archaeological investigations.	S-6.9.1
38.		8.0 p. 266	The primary water quality concern is the production of methyl mercury due to the flooding of terrestrial vegetation. The EA identifies this as a concern and has addressed the importance of removing trees, stumps, shrubs etc and of having a monitoring plan in place. However since mercury can contaminate sport fish, it is imperative that the sport fish component be sampled as mentioned. The final draft should incorporate a fish sampling plan.	Preparation of an Environmental Monitoring Plan is underway, and will be submitted for agency review and comment prior to release of the final EA Report. The Environmental Monitoring Plan will be included as part of the final EA Report and will require sampling of sport fish.	S-9.0 APP K
39.		8.4 p. 273	We recommend that complaint response protocols be developed to address reported well water disturbances, noise, dust and claims of property damage, if any.	It is unlikely that water well disturbances, noise, or dust complaints will arise since the Project is located in a natural rural setting and is approximately 18 km south of the nearest population centre. However, a complaint response and tracking protocol will be required as part of the Environmental Monitoring Plan to be included as part of the final EA Report.	APP K
40.		8.4.2 p. 276	The following areas requiring on-going monitoring are identified however no details on the actual monitoring program were provided at this time: • Aquatic habitats, including benthic invertebrates • Water Quality • Fish sampling for mercury Please provide more detail on these monitoring plans in the final ERR.	Preparation of an Environmental Monitoring Plan is underway, and will be submitted for agency review and comment prior to release of the final EA Report. The Environmental Monitoring Plan will be included as part of the final EA Report.	APP K
41.		8.4.2.4 p. 274	The benthic community will be significantly altered in the impoundment. River dwelling species will be replaced by those favouring lake like habitats and species diversity will decrease due to habitat loss. Overall benthic production is expected to increase due to the gain in littoral habitat however this is dependent on the type of new substrate. Flooded bed rock is not productive whereas a soft organic or cobble/gravel substrate is. A monitoring program should be implemented to assess ecosystem changes as a result of impoundment creation.	Preparation of an Environmental Monitoring Plan is underway, and will be submitted for agency review and comment prior to release of the final EA Report. The Environmental Monitoring Plan will be included as part of the final EA Report and will include a requirement for benthic monitoring.	APP K
42.		Section 5.0 Appendix E	The ERR does not have a stand-alone section with a comprehensive summary of consultation activities and how public comments were addressed. Most of the information is available in various sections of the report; however, a comprehensive understanding of the issues and discussions is not readily apparent. Table 5.1 provides a summary of key public concerns and how the proponent has addressed them; however, this table is very high level. Please provide, in a single comprehensive section, a more detailed summary of consultation results and commitments within the report. Pertinent details may include the relationship of the stakeholder to the project (geographic proximity, affected interest), an assessment of the level of significance of the concern, any study findings which speak to the concern, and concrete actions or commitments made by the proponent to resolve these concerns. These details	In total, the Project received approximately 71 communications via letter, email, phone, fax, and open house comment/questionnaire cards over the course of 22 months prior to release of the Draft EA Report. Many of the comments or concerns were similar, and are summarized in Table 5.1. However, a detailed summary of stakeholder comments and responses, including commitments made by the Proponent will be included in the Final EA Report.	APP E2

No.	Page	Section	Comment/Question	Response	Where Addressed in EA
			would also assist the Ministry in conducting a review should any elevation requests be received for the proposal		

4.6 MINISTRY OF ENVIRONMENT OUTSTANDING COMMENTS

No.	Page	Section	Comment/Question	Response	Where Addressed in EA Report
1.			As a result of the change in location of the dam and powerhouse, changes to associated infrastructure have also been made. Access roads and transmission lines have been realigned, a quarry is no longer required, and an aggregate source must be acquired. Please ensure the new locations of these project components are clearly depicted in the revised ERR, and their potential impacts fully discussed.	These project changes will be discussed to the extent possible in the final EA Report. Although aggregate and quarry sources have not yet been determined, these Project components must also undergo a separate permitting process under the *Aggregate Resources Act*. A permit for extraction of any new aggregate and/or quarry material will be required from the MNR.	S. 2.4.1.3 S. 6.1.1.
2.			The MOE notes a minimum flow regime has not been proposed for the new project location. Calculations of water spill at the new location are ongoing. The Final ERR must propose a minimum flow regime over the dam, and provide scientific and ecological justification for it. The work represented in the Final ERR should be substantial enough to support the informational requirements for required subsequent approvals (HADD, LRIA, and PTTW). As such, the analysis of, and proposed solution to, these issues should be done in consultation with MNR, DFO and MOE.	As a requirement of the Mattagami River Water Management Plan, a 15 m^3/s minimum flow requirement must be met at Smooth Rock Falls GS. The reason for this minimum flow requirement is described variously in the WMP as required to ensure a minimum dissolved oxygen saturation of 47% downstream of the Smooth Rock Falls plant, to meet ecological base flow requirements, and to provide sufficient flow to dilute effluent from the former Tembec pulp and paper mill in the Town of Smooth Rock Falls. This minimum flow requirement has been adopted by the proponent to ensure compliance with the draft Mattagami River WMP. However, historical data indicates that river discharge is typically greater than 15 m^3/s minimum flow requirement 99.7% of the time. The only time this minimum flow requirement will not be met is in the very extreme conditions when river flow is below 15m^3/s (i.e. the head pond will not be used to compensate for any shortcoming in natural river flows).	S. 2.4.2.1 S. 6.2.2. S. 8.3.
3.			In draft comments, MOE requested details regarding the HEC RAS modeling, as well as a copy of the HEC-RAS project file. Details of the model were provided; however, an electronic copy of the project file was not. Please provide one via either ftp site or CD to the attention of Mr. Mohammad Sajjad Khan Ministry of the Environment 199 Larch St., 12th Floor Sudbury ON P3E 5P9 mohammad.khan@ontario.ca (705) 564-3062	The Project Engineer, Canadian Projects Limited, will contact Mr. Khan to address any questions or concerns regarding the HEC-RAS model directly.	
4.			No specific information is provided about the extent of the footprint of water quality sampling. Has YFP covered all areas of the headpond, upstream and downstream of Yellow Falls? We also note water chemistry sampling was done only at average flow conditions. The MOE suggested in undertaking additional water quality sampling at 25th and 75th percentile flows in order to develop good baseline water quality information under various flow regimes. This work has not been done; therefore, our recommendation stands.	Water quality sampling extended from upstream of Loon Rapids to downstream of Island Falls. A total of 9 sampling locations were laboratory analyzed for Ammonia, Biological Oxygen Demand, Total Dissolved Solids, Total Suspended Solids, Total Hardness, Total Kjeldahl Nitrogen, Phosphorus, Nitrate and Nitrite, and various metals. These data did not show significant differences within the mainstem of the Mattagami River despite varying water velocities at each location and are suitable for use as a baseline for future monitoring. Discharge varies considerably on an annual and seasonal basis. 25^{th} and 75^{th} percentile flows represent somewhat unusual conditions that may not occur in a specific year or month. Consequently, these conditions may not be replicated during a specific field season and may not be representative of average water quality.	
5.			MOE, in its comments on the draft, requested the Environment Review Report focus on the specific consultation efforts undertaken for this project, rather than discussing general consultation requirements. For example, there are several paragraphs about the Crown's duty to consult with First Nations that are not required to be made as part of the electricity screening process (i.e. pg. 96, s. 5.3.2). Our comments have not been addressed in Stantec's response. The intent of the ERR is to present consultation and assessment activities regarding potential environmental impacts of the specific project. It is not a document to discuss evolving case law around the Crown's duty to consult. The text regarding the Crown's duty to consult should be removed from the ERR.	Text regarding the Crown's duty to consult has been removed from Section 5.0	S. 5.0
6.			A more detailed analysis of potential impacts to First Nations was requested by the MOE during the draft review. The Guide to EA Requirements for Electricity Projects indicates that when conducting and Environmental Review, the proponent should conduct the necessary studies, analysis, and assessment to determine potential environmental effects. YFP's response to this request provides a reason as to why this section is brief, but does not indicate whether or not any independent studies or analysis was conducted, nor whether any assessment of the potential environmental effects has been done. As indicated in MOE's previous comments, it would be useful if there was reference to the studies that were conducted in order to ascertain why the proponent is of the view that the impacts to aboriginal uses would be minimal. Please include this information in the ERR.	Ongoing correspondence with the Wabun communities has revealed that the Wabun communities consider the Project to be located in their traditional territories. As a result, the Wabun communities have stated that the Project must accrue economic benefits to their community. Further, correspondence with the Wabun Tribal Council and the Mattagami First Nation indicates that discussions pertaining to environmental and cultural aspects of the Project cannot occur until economic concerns have been addressed. YFP and TTN undertook extensive consultation activities during 2006. As a result of these good-faith discussions, a business-to-business agreement was executed in December 2006. This agreement was executed based on the understanding that the Project was located solely within the traditional territory of the TTN. As a result, all potential First Nation benefits associated with the Project were conveyed to the TTN	S. 5.6.2.

No.	Page	Section	Comment/Question	Response	Where Addressed in EA Report
				Following the execution of this agreement, YFP was advised of the interest of the Wabun communities in the Project. As a result, the Project does not have any capacity to provide further economic benefits to additional First Nations. In accordance with its business-to-business agreement, TTN is responsible for addressing economic concerns raised by other First Nation communities. The TTN and the Wabun communities are currently engaged in Nation-to-Nation discussions. Notwithstanding this, YFP remains committed to maintaining communication with the Wabun communities regarding the Project design and schedule, and seeks their input regarding potential environmental and cultural effects under the ESP and continues communication on an ongoing basis..	
7.			The MOE received an update from YFP (July 14, 2008) regarding First Nations consultation activities since the draft ERR was published. Please include the updated tables of consultation records in the Final Environmental Review Report. In addition, any communications received by YFP from MNR to the First Nations regarding consultation with First Nations should be listed in the consultation summary as having been received by the proponent in order to ensure a complete record.	A list of consultation activities involving interested First Nations is provided in the Final EA Report.	S. 5.6.2. T. 5.3
8.			It is recommended that Yellow Falls Power send one further letter to all First Nations that have been previously contacted, including the Taykwa Tagamou, to indicate that YFP is finalizing the draft ERR and requesting that the First Nations advise YFP of any concerns that the First Nation may have regarding impacts that the project may have on their asserted rights.	Please see response to Comment 6 above. To date, only location of the Project within traditional territory has been raised as a concern.	S. 5.6.2.
9.			Please identify which landfill site will be used for waste disposal, confirm that it is approved to service the project area, and has the capacity to do so.	YFP will retain an MOE-licensed waste disposal contractor to remove waste and recycling during construction. The waste disposal contractor will dispose of material at an MOE-licensed facility in accordance with the facility's CofA. The Smooth Rock Falls Landfill may be used to dispose of non-hazardous waste provided that the facility is licensed to accept construction waste and at the discretion of the waste disposal contractor. Materials currently disposed of at the Landfill consist of paper and paper products (45%; 1,346 tonnes/year), organic waste (25%; 749 tonnes/year), metals (10%; 299 tonnes/year), glass (10%; 299 tonnes/year), and miscellaneous (10%; 299 tonnes/year). The Smooth Rock Falls Landfill has a remaining capacity of approximately 9 years assuming current filling rates (Pers. comm. with the Town of Smooth Rock Falls, May 16, 2007).	S. 6.7.6.

5.0 Provincial Comments on Draft Environmental Inspection and Monitoring Plan

5.1 MINISTRY OF NATURAL RESOURCES COMMENTS

No.	Source	Pg#	Section, table or figure #	Comment	Explanation of how comment was addressed (proponent)	Where Addressed in Monitoring Plan
1.	DS	11	Table 3.1	It is good that there will be mitigation for ARD. Will there be a management practice for waste rock?	Management practices for waste rock are provided in the EA Report (Section 6.1.1.)	N/A
2.	DS	23	Table 6.1	It is good that there will be mitigation for ARD. Will there be a management practice for waste rock?		
3.	RS	20	4.2.2	Mercury in Sportfish section. Be advised that although there is no longer an open sportfish season on sturgeon, local First Nations may still catch and consume them and be exposed to mercury. You may want to consider including sturgeon on the list.	We have decided not to include Sturgeon in our monitoring for methyl mercury for three reasons: Firstly, aquatic studies to date have not caught sturgeon with the proposed headpond and obtaining an appropriate sample size would be difficult. Secondly, the population between Island Falls and Smooth Rock Falls is small and even non-lethal sampling methods may create additional stress on captured individuals, increasing the potential for mortality. Thirdly, sturgeon are a lower tropic-level fish than walleye and thus would not respond as quickly to changes in mercury methylation (bioaccumulation occurs slower)	N/A
4.	RS	25	Table 6.2	There is mention of recording headpond level, but not flow values. Please add “flows” to Monitoring and Reporting Requirements.	Discharge will be monitored as required by the WMP (comment 19) to ensure compliance with the proposed WMP amendment	4.2.2.
5.	RS	25	Table 6.2	Currently states…“Report headpond level as specified by WMP requirements-exceedences should be reported as soon as reasonably possible” The approved WMP outlines monitoring requirements for levels and flows, including minimum reporting times. Remove everything after the hyphen e.g. “exceedences should be……”	The statement “exceedences should be reported as soon as reasonably possible” has been removed.	T. 6.2
6.	LC	5	1.3	Please ensure potentially affected First Nation Communities have an opportunity to review your inspection and monitoring plan.	Potentially affected First Nation Communities will have an opportunity to review the Environmental Inspection and Monitoring Plan following publication of the Final EA.	N/A
7.	CC		General	This document needs to specify in more detail what monitoring methods will be implemented in order to achieve the associated objective. To this purpose, specific targets, relevant thresholds and evaluation criteria should also be clearly described. It is acknowledged that some of these already exist within the text and tables. We suggest that Tables 3.1 and 4.1 be reworked to include relevant targets, thresholds, and evaluation criteria. For example, shoreline erosion…what monitoring methods will be employed to detect and characterize it and what threshold values will trigger remediation or mitigation?	Objectives stated in the table at the beginning of each section (i.e. Air, Noise, Aquatic Environment, etc) will be used to determine the need for further remediation or mitigation as outlined in Section 1.4. Further clarification has been added to Section 1.1. An additional column has been added to Tables 6.1 and 6.2 to clarify the parameters triggering a response.	S. 1.1
8.	CC	5	1.3	Suggest ‘within study area’ be removed. Goal is to minimize all conflicts associated with the project not those strictly limited to the study area.	The statement “within study area” has been removed.	1.3
9.	CC	5	1.3	Add the following monitoring objective: ‘To verify all predictions made in the EA report.’	The EA Report discusses a large number of *potential* effects associated with the Project. These potential effects resulting from construction and operation of hydroelectric plants are generally well known and for the most part are minor in nature. Consequently, it is not necessary or feasible to introduce monitoring measures to verify all predictions made in the EA Report. However, this monitoring plan has been developed to monitor the key mitigation measures as well as those aspects of construction or operation that provide the greatest amount of useful information about the suitability and sufficiency of the mitigation measures and analyses discussed in the EA,	1.3
10.	CC	5	1.3 Objectives 3 and 4	Monitoring objectives 3 and 4 should be reworded as, ‘To identify and characterize environmental effects…’. Monitoring is designed to achieve effects detection/trend or condition quantification/information supply objectives. As worded in the document 3 and 4 they sound more like guiding principles than monitoring objectives.	Bullet 2 has been reworded to state “comply with and evaluate the effectiveness of” protection and mitigation measures outlined in the EA Report. Bullet 4 has been reworded to state, “Characterize and minimize potential environmental effects on natural habitats, flora, and fauna.” Bullet 6 has been reworded to state, “Characterize and minimize community concerns and address issues in terms of effects identified during the development of infrastructure and/or refurbishment activities.”	1.3 Objectives
11.	CC	6	1.4	Encouraging to see this concept included.	Noted.	
12.	CC	6	1.5	There is a reference to monitored parameters here without further description (some parameters are briefly mentioned elsewhere in the text). Strongly suggest developing a comprehensive matrix of parameters in relation to the issues/predictions they are intended to address. This might help clarifying things and aid in effective monitoring planning/implementation.	Please refer to Tables 6.1 and 6.2 which summarize construction and operation inspection and monitoring requirements.	6.0 T. 6.1 T. 6.2
13.	SD	15	4.1	Change ‘natural flow regime’ to existing regulated regime.	Wording has been changed from “natural flow regime” to “existing regulated regime.”	4.1
14.	CC	15	4.1	Suggest removal of the word ‘unexpected’. Whether unexpected or expected some changes can/must/should be limited and/or mitigated.	The word “unexpected” has been removed from the table.	4.1 T. 4.1
15.	CC	19	4.2	Meaningful use of any estimate relies heavily on reporting the associated CIs also. This was not carried out in the draft Aquatic Assessment (but hopefully is in the final version). Precision estimates demonstrate to the reader how good the parameter estimates actually are. Please include CIs with all parameter estimates. The effort expended in the initial field work was reasonable. However, without a power analysis we have no idea how much effort will need to be expended in future in order to calculate accurate or meaningful estimates or conversely how accurate our estimates can be under a fixed/known level of effort. Include intent to conduct power analysis or the magnitude of change in a parameter we can detect under the proposed level of effort.	Precision estimates for the Aquatic Assessment were provided in the Draft EA (please refer to Appendix G4) and will be included in the final EA as well. Precision estimates will be provided for Catch per Unit Effort. It should be noted that confidence intervals are not always relevant because sampling has occurred and will continue to occur over a very broad area within each sampling area, in order to inform the preferred habitats in this system for the four key species.	4.2.2.
16.	CC		4.2 and 6.2	Three years of habitat monitoring post compensation enhancement seems likely to be insufficient. Please provide rationale for this period.	Three years of habitat monitoring post-construction is based on requirements for several other hydroelectric monitoring programs	4.2.2.

No.	Source	Pg#	Section, table or figure #	Comment	Explanation of how comment was addressed (proponent)	Where Addressed in Monitoring Plan
					undertaken by Stantec. However, the time period has been changed to years 1-5 of operation, and subsequently in years 8, 11, and 14.	
17.	SD	20	4.2.2	We recommend that the EEM sampling design for benthics is employed. Also recommend that the following metrics at a minimum be calculated for both the pre and post construction monitoring – Total Invertebrate Density, Taxon richness, Simpson's Evenness Index and the Bray-Curtis Index.	Benthic sampling will implement sampling design as per Environment Canada's 2002 Metal Mining Guidance Document for Aquatic Environmental Effects Monitoring.	4.2.2.
18.	CC		6.1	Secchi disc use is not acceptable. We advocate a quantitative measurement of suspended solids and report the threshold that will trigger a mitigation response.	A secchi disk was recommended as it is the recommended measurement device described in the *Provincial Water Quality Objectives* (MOE, 1994). However, in light of MNR preference, a hand-held turbidity meter will be used to determine turbidity during construction. The threshold that will trigger a mitigation response is an increase of 10% over background (upstream) levels as recommended in the *Provincial Water Quality Objectives* and noted in the Draft Environmental Inspection and Monitoring Plan	4.2.1.
19.	SD/CC		General	Suggest that in accordance with the Metcalfe technical note; hourly flows be recorded and reported as per the following… 1. An instantaneous discharge reading per hour be recorded, on the top of the hour. 2. Data requirements for reservoir water levels match those for flows. 3. Data be submitted on an annual basis using the comma delimited format (a common standard output of all database and analysis software) shown below. Each file should begin with the required metadata followed by the time series information. Flow and level data should be reported to two significant digits.	Hourly flows will be recorded and reported as recommended.	4.2.2
20.	CC		General	Water supply to the critical fish habitat identified below Island Falls (Chute 1?) should be monitored to ensure function is maintained during sensitive periods and at all flows.	Since the Project will operate as a run-of-river facility, downstream flows will not significantly change the current regulated regime. Water distribution is expected to return to baseline conditions within 500 m of the Project headworks during construction and operation. Consequently, there is no expected change to critical (as per the SARA definition) spawning habitat below Island Falls, located approximately 2.4 km downstream of the proposed Yellow Falls location.	N/A

5.2 MINISTRY OF ENVIRONMENT OUTSTANDING COMMENTS

No.	Page	Section	Comment/Question	Response	Where Addressed in Monitoring Plan t
1.			A logbook of daily secchi disc measurements must be maintained on-site during construction and be made available to MOE provincial officers upon request.	A handheld turbidity meter will be used instead of a secchi disk as per MNR's request. A logbook of daily turbidity meter measurements will be kept on-site for review by relevant agencies. .	4.2.1.
2.			The District Manager of the MOE Timmins Office should be notified in the event that downstream turbidity, as established through secchi disc readings exceeds 10% of the upstream reading during the construction phase.	The district manager will be notified in the event that turbidity exceeds 10% of upstream (background) levels.	4.2.1
3.			The visual inspection referred to in section 4.2.1 must also include a digital photographic record of the surface water conditions before, during and after construction. The digital images should be kept onsite and be available in either electronic or hardcopy format to MOE provincial officers upon request.	Digital images of surface water conditions will be maintained before, during, and after construction and will be made available to the MOE on request.	4.2.1
4.			Water quality monitoring during the operation phase must include mercury analysis.	Water quality analysis during operation will include total mercury.	4.2.2.
5.			An electronic GIS based bathymetric map of the headpond must be completed during the first year of operation and in five year intervals thereafter.	Bathymetry characterization will be completed in 5-year intervals as recommended by EC until Year 15 of operation. Electronic bathymetric maps will be provided to the MOE following characterization at the specified intervals.	4.2.2.

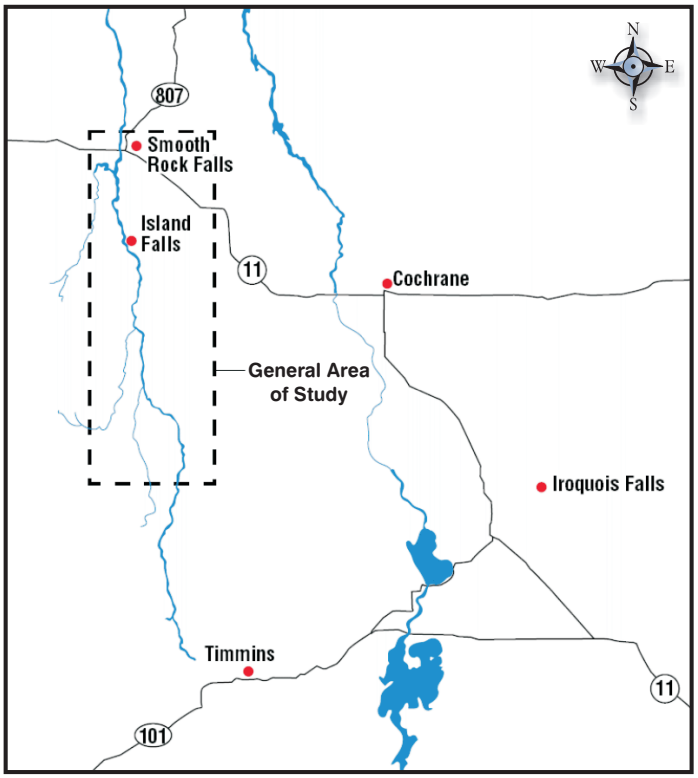
Appendix E4

Notice of Commencement

NOTICE OF COMMENCEMENT TO AN ENVIRONMENTAL REVIEW

Island Falls Hydroelectric Project

Yellow Falls Power Limited Partnership ("YFP") is proposing a hydroelectric plant at Island Falls on the Mattagami River, approximately 16 km south of Smooth Rock Falls, Ontario. Carlex Corporation Inc. ("Carlex") is the general partner of YFP and the limited partners are Canadian Hydro Developers, Inc., David Smith, and a private trust related to Jim Doak. Canadian Hydro, with seventeen plants in operation throughout Canada, is recognized as one of Canada's premier developers of EcoLogo™ certified low-impact renewable energy projects (www.canhydro.com). Messrs Doak and Smith initiated this project and have been involved with it for many years. Carlex will be the project lead on behalf of YFP.



The original proposal (July 2004) called for a 15 megawatt ("MW") run-of-river hydroelectric plant. Upon further review of the available data, YFP is now proposing to increase the output of the hydro plant by 5 MW through the installation of a 20 MW run-of-river hydroelectric plant. The hydroelectric plant would be designed to generate power on a daily basis using the controlled outflow from Ontario Power Generation's Lower Sturgeon Generating Station.

YFP has retained Stantec Consulting Ltd. ("Stantec") to prepare an Environmental Review Report ("ERR") as required under Ontario Regulation 116/01 of the *Environmental Assessment Act*. The ERR is being completed as required for a Category B project under the Ministry of the Environment's Environmental Screening Process for electricity projects as outlined in their "Guide to Environmental Assessment Requirements for Electricity Projects (March 2001)". The proposal will also be required to meet The Ministry of Natural Resources' Waterpower Program Guidelines.

As applicable, the Island Falls Hydroelectric Project will also comply with federal requirements. YFP and Stantec will work with the appropriate federal agencies to ensure the project meets the requirements for a screening level study under the *Canadian Environmental Assessment Act*.

At this time Stantec is compiling an environmental features inventory in the general area of study (see figure) in order to prepare the ERR, which will be made available to stakeholders for review and comment. In the interim, in order to ensure that the appropriate environmental protection measures are incorporated into the project design, your input and questions are encouraged. To provide the study team with your comments, or for further information, please call collect to 519.836.6050 or visit us at www.islandfallshydro.com. Written comments can also be mailed to:

Sean Geddes
Project Manager
Stantec Consulting Ltd.
361 Southgate Drive
Guelph, Ontario
N1G 3M5

Geoff Carnegie
Yellow Falls Power Limited Partnership
c/o 52 Hilldale Cres.
Guelph, Ontario
N1G 4B8

e-mail: comments@islandfallshydro.com
Fax: 519.836.2493

YFP will make additional information about the Island Falls Hydroelectric Project available as the project progresses. At this time, it is intended that information will be distributed through the Project's website and in local papers.

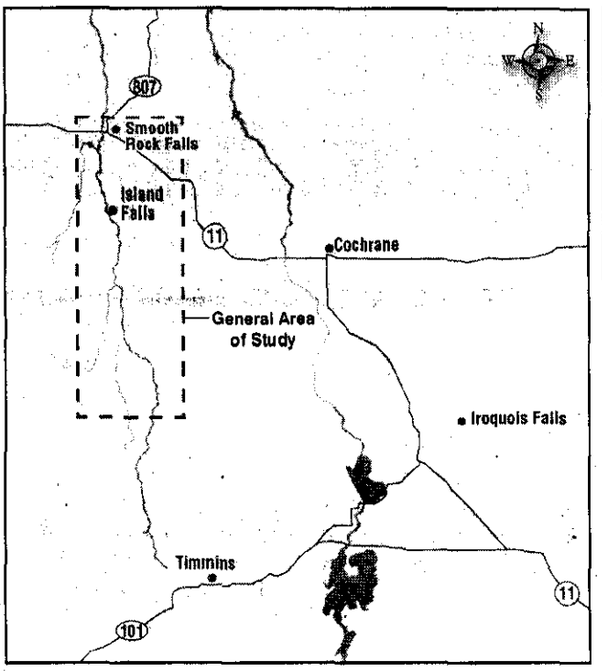
Information will be collected and used in accordance with the Freedom of Information and Protection of Privacy Act, and solely for the purpose of assisting Yellow Falls Power Limited Partnership in meeting environmental assessment and local planning requirements. This material will be maintained on file for use during the study and may be included in project documentation. With the exception of personal information all comments will become part of the public record.

event, which has not been held in the Model Town for over a decade. Local pro David Juliay rushed around on the weekend brains they could pick for advice. The pros did not carry clubs, though.

Sault Ste. Marie's Crimson 145, and Dan Missere of Crimson Ridge with 146. Local pro Guy shot a 152 for 36 holes to earn ninth spot.

NOTICE OF COMMENCEMENT TO AN ENVIRONMENTAL REVIEW

Island Falls Hydroelectric Project



Yellow Falls Power Limited Partnership ("YFP") is proposing a hydroelectric plant at Island Falls on the Mattagami River, approximately 16 km south of Smooth Rock Falls, Ontario. Carlex Corporation Inc. ("Carlex") is the general partner of YFP and the limited partners are Canadian Hydro Developers, Inc., David Smith, and a private trust related to Jim Doak. Canadian Hydro, with seventeen plants in operation throughout Canada, is recognized as one of Canada's premier developers of EcoLogo™ certified low-impact renewable energy projects (www.canhydro.com). Messrs Doak and Smith initiated this project and have been involved with it for many years. Carlex will be the project lead on behalf of YFP.

The original proposal (July 2004) called for a 15 megawatt ("MW") run-of-river hydroelectric plant. Upon further review of the available data, YFP is now proposing to increase the output of the hydro plant by 5 MW through the installation of a 20 MW run-of-river hydroelectric plant. The hydroelectric plant would be designed to generate power on a daily basis using the controlled outflow from Ontario Power Generation's Lower Sturgeon Generating Station.

YFP has retained Stantec Consulting Ltd. ("Stantec") to prepare an Environmental Review Report ("ERR") as required under Ontario Regulation 116/01 of the *Environmental Assessment Act*. The ERR is being completed as required for a Category B project under the Ministry of the Environment's Environmental Review Process for electricity projects as outlined in their "Guide to Environmental Assessment Requirements for Electricity Projects (March 2001)". The proposal will also be required to meet The Ministry of Natural Resources' Waterpower Program Guidelines.

As applicable, the Island Falls Hydroelectric Project will also comply with federal requirements. YFP and Stantec will work with the appropriate federal agencies to ensure the project meets the requirements for a screening level study under the *Canadian Environmental Assessment Act*.

At this time Stantec is compiling an environmental features inventory in the general area of study (see figure) in order to prepare the ERR, which will be made available to stakeholders for review and comment. In the interim, in order to ensure that the appropriate environmental protection measures are incorporated into the project design, your input and questions are encouraged. To provide the study team with your comments, or for further information, please call collect to 519.836.6050 or visit us at www.islandfallshydro.com. Written comments can also be mailed to:

Sean Geddes
Project Manager
Stantec Consulting Ltd.
361 Southgate Drive
Guelph, Ontario
N1G 3M5

Geoff Carnegie
Yellow Falls Power Limited Partnership
c/o 52 Hillidale Cres.
Guelph, Ontario
N1G 4B8

e-mail: comments@islandfallshydro.com
Fax: 519.836.2493

YFP will make additional information about the Island Falls Hydroelectric Project available as the project progresses. At this time, it is intended that information will be distributed through the Project's website and in local papers.

Information will be collected and used in accordance with the Freedom of Information and Protection of Privacy Act, and solely for the purpose of assisting Yellow Falls Power Limited Partnership in meeting environmental assessment and local planning requirements. This material will be maintained on file for use during the study and may be included in project documentation. With the exception of personal information all comments will become part of the public record.

N. Times Aug 3 #388.75

DE DISTRICT CATHOLIQUE
CENTRE-SUD

AFFICHAGE INTERNE ET EXTERNE

Le Conseil scolaire de district catholique Centre-Sud accueille cette année près de 12 000 élèves, au sein de ses 40 écoles élémentaires et 8 écoles secondaires établies sur un territoire de plus de 40 000 km² qui s'étend de la Péninsule du Niagara à Peterborough et du Lac Ontario (Toronto) à la Baie Georgienne. Le siège social est situé à Toronto.

PERSONNEL ENSEIGNANT RECHERCHÉ

Pour des postes permanents à temps plein année scolaire 2005-2006

Le Conseil recherche des enseignantes et des enseignants qualifié(e)s pour combler des postes aux paliers élémentaire et secondaire, pour toutes les matières d'études générales : Français, Anglais, Sciences (biologie, chimie, physique etc.), Mathématiques, Sciences sociales et pour la plupart des spécialités suivantes : Enfance en difficulté, Aménagement linguistique en français et perfectionnement du français, Soutien intensif, Éducation technologique, Religion, Éducation artistique, Éducation physique et santé, Musique, Orientation et Formation au cheminement de carrière.

EXIGENCES PRÉALABLES À L'EMBAUCHE

- Carte de compétence de l'Ordre des enseignantes et des enseignants de l'Ontario valable dans les écoles de langue française (un brevet valide du Québec ou inconnu en Ontario est accepté);
- Preuve écrite attestant que la personne ne souffre pas de tuberculose active sous forme de test subi dans la dernière année;
- En vertu du règlement 521/01, toute personne employée par un conseil scolaire doit fournir un relevé de ses antécédents criminels, émis dans les six derniers mois, avant d'entrer en fonction;
- Être catholique.

Toute personne désirant solliciter une entrevue est invitée à soumettre, sous pli confidentiel, une demande écrite accompagnée d'un curriculum vitæ à :

Frédéric Geoffroy
Conseiller en gestion du Service des ressources humaines
Conseil scolaire de district catholique Centre-Sud
110, avenue Drewry, Toronto, ON M2M 1C8

par télécopieur au (416) 397-6560
ou à **cv_enseignants@csdccs.edu.on.ca**

Veuillez noter que le Conseil ne communiquera qu'avec les personnes retenues pour une entrevue.

Bernard Lavallée
Directeur de l'éducation et secrétaire

Dorothée Petit-Pas
Présidente

dans les centres pour assurer le respect

âgées demeurent en santé plus longtemps.

AVIS DE MISE EN MARCHE D'UNE ÉVALUATION ENVIRONNEMENTALE

Projet hydroélectrique de Island Falls

Le Yellow Falls Power Limited Partnership («YFP») propose de construire une centrale hydroélectrique à Island Falls sur la rivière Mattagami, à environ 16 km au sud de Smooth Rock Falls (Ontario). La société Carlex Corporation Inc. («Carlex») est l'associé gérant de YFP et les partenaires limités sont Canadian Hydro Developers Inc., David Smith et une fiducie privée connexe à Jim Doak. La société Canadian Hydro, avec ses 17 centrales réparties à travers le Canada, est reconnue comme étant l'un des grands promoteurs au Canada de projets d'énergie écologique renouvelable certifiés EcoLogo™ (www.canhydro.com). MM. Doak et Smith ont amorcé ce projet et ils y sont impliqués depuis plusieurs années. Carlex dirigera le projet au nom de YFP.

Le projet d'origine (juillet 2004) prévoyait un projet hydroélectrique de 15 mégawatts («MW») au fil de l'eau. Après avoir fait une nouvelle analyse des données disponibles, YFP propose maintenant d'augmenter la capacité de la centrale hydroélectrique de 5 MW en installant une centrale hydroélectrique de 20 MW au fil de l'eau. La centrale serait conçue pour produire de l'électricité pendant la journée en utilisant le débit contrôlé en provenance de la centrale de Lower Sturgeon de la Ontario Power Generation.

YFP a retenu les services de Stantec Consulting Ltd. («Stantec») pour préparer un rapport d'analyse environnementale («RAE») tel qu'exigé en vertu du règlement 116/01 de la Loi de l'Ontario sur les évaluations environnementales. Le RAE est préparé comme il se doit pour les projets de catégorie B conformément à la méthode d'analyse environnementale du ministère de l'Environnement pour les projets électriques tel que décrit dans le «Guide des exigences touchant les évaluations environnementales pour les projets d'électricité (mars 2001)». Le projet devra également respecter les directives de la programme d'énergie hydroélectrique du Ministère des Richesses naturelles.

Selon le cas, le projet hydroélectrique de Island Falls devra également respecter les exigences fédérales. YFP et Stantec oeuvreront avec les agences fédérales appropriées pour s'assurer que le projet respecte les exigences des études de niveau de présélection en vertu de la Loi canadienne sur l'évaluation environnementale.

À l'heure actuelle, Stantec prépare un inventaire des caractéristiques environnementales dans le secteur général d'étude (voir l'illustration) pour préparer un RAE, qui sera remis aux intervenants pour qu'ils en fassent l'analyse et qu'ils présentent leurs commentaires. Entre temps, pour s'assurer que les mesures appropriées de protection de l'environnement sont englobées dans le projet, nous vous invitons à nous faire part de vos idées et de vos questions. Pour fournir vos commentaires à l'équipe d'étude ou pour obtenir de plus amples informations, téléphonez à frais virés au 519.836.6050 ou consultez le site Web suivant : www.islandfallshydro.com.

Les commentaires écrits peuvent être expédiés par la poste aux adresses suivantes:

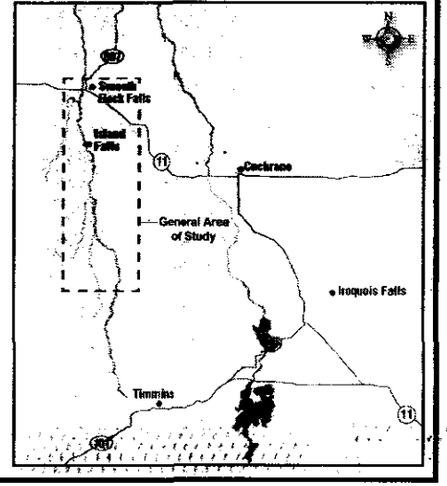
Sean Geddes
Directeur de projet
Stantec Consulting Ltd.
361, Southgate Drive
Guelph (Ontario)
N1G3M5

Geoff Carnegie
Yellow Falls Power Limited Partnership
52, Hilldale Cres.
Guelph (Ontario)
N1G 4B8

Courriel : comments@islandfallshydro.com
Télécopieur : 519.836.2493

YFP mettra d'autres informations sur la centrale hydroélectrique de Island Falls disponibles à mesure que le projet progresse. Pour l'instant, on songe à distribuer les informations par le truchement du site Web du projet et dans les journaux locaux.

Les informations seront recueillies et utilisées conformément à la Loi sur l'accès à l'information et la Loi sur la protection des renseignements personnels et uniquement dans le but d'aider le Yellow Falls Power Limited Partnership à respecter les exigences au niveau des évaluations environnementales et de planification locale. Ces documents seront conservés en dossier et ils seront utilisés pendant l'étude; ils pourraient être englobés dans la documentation sur le projet. À l'exception des renseignements personnels, tous les commentaires seront versés dans les dossiers publics.



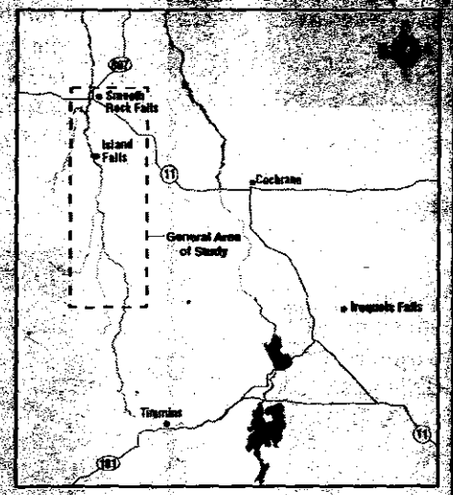
L'Horizon • 10 août 2005 • 3

L'Horizon-Aug 10 # 174.72.

NOTICE OF COMMENCEMENT TO AN ENVIRONMENTAL REVIEW

Island Falls Hydroelectric Project

Yellow Falls Power Limited Partnership ("YFP") is proposing a hydroelectric plant at Island Falls on the Mattagami River, approximately 16 km south of Smooth Rock Falls, Ontario. Carlex Corporation Inc. ("Carlex") is the general partner of YFP and the limited partners are Canadian Hydro Developers, Inc., David Smith, and a private trust related to Jim Doak. Canadian Hydro, with seventeen plants in operation throughout Canada, is recognized as one of Canada's premier developers of EcoLogo™ certified low-impact renewable energy projects (www.canhydro.com). Messrs Doak and Smith initiated this project and have been involved with it for many years. Carlex will be the project lead on behalf of YFP.



The original proposal (July 2004) called for a 15 megawatt ("MW") run-of-river hydroelectric plant. Upon further review of the available data, YFP is now proposing to increase the output of the hydro plant by 5 MW through the installation of a 20 MW run-of-river hydroelectric plant. The hydroelectric plant would be designed to generate power on a daily basis using the controlled outflow from Ontario Power Generation's Lower Sturgeon Generating Station.

YFP has retained Stantec Consulting Ltd. ("Stantec") to prepare an Environmental Review Report ("ERR") as required under Ontario Regulation 116/01 of the *Environmental Assessment Act*. The ERR is being completed as required for a Category B project under the Ministry of the Environment's Environmental Screening Process for electricity projects as outlined in their "Guide to Environmental Assessment Requirements for Electricity Projects (March 2001)". The proposal will also be required to meet The Ministry of Natural Resources' Waterpower Program Guidelines.

As applicable, the Island Falls Hydroelectric Project will also comply with federal requirements. YFP and Stantec will work with the appropriate federal agencies to ensure the project meets the requirements for a screening level study under the *Canadian Environmental Assessment Act*.

At this time Stantec is compiling an environmental features inventory in the general area of study (see figure) in order to prepare the ERR, which will be made available to stakeholders for review and comment. In the interim, in order to ensure that the appropriate environmental protection measures are incorporated into the project design, your input and questions are encouraged. To provide the study team with your comments, or for further information, please call collect to 519.836.6050 or visit us at www.islandfallshydro.com. Written comments can also be mailed to:

Sean Geddes
Project Manager
Stantec Consulting Ltd.
361 Southgate Drive
Guelph, Ontario
N1G 3M5

Geoff Carnegie
Yellow Falls Power Limited Partnership
c/o 52 Hilldale Cres.
Guelph, Ontario
N1G 4B8

e-mail: comments@islandfallshydro.com
Fax: 519.836.2493

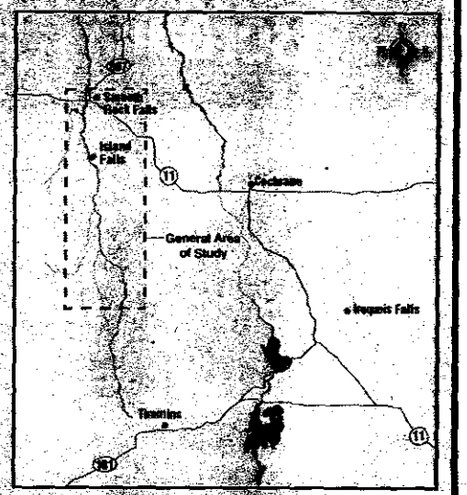
YFP will make additional information about the Island Falls Hydroelectric Project available as the project progresses. At this time, it is intended that information will be distributed through the Project's website and in local papers.

Information will be collected and used in accordance with the Freedom of Information and Protection of Privacy Act, and solely for the purpose of assisting Yellow Falls Power Limited Partnership in meeting environmental assessment and local planning requirements. This material will be maintained on file for use during the study and may be included in project documentation. With the exception of personal information all comments will become part of the public record.

AVIS DE MISE EN MARCHE D'UNE ÉVALUATION ENVIRONNEMENTALE

Projet hydroélectrique de Island Falls

Le Yellow Falls Power Limited Partnership (YFP) propose de construire une centrale hydroélectrique à Island Falls sur la rivière Mattagami, à environ 16 km au sud de Smooth Rock Falls (Ontario). La société Carlex Corporation Inc. («Carlex») est l'associé gérant de YFP et les associés limités sont Canadian Hydro Developers, Inc., David Smith et une fiducie privée connexe à Jim Doak. Le projet Canadian Hydro, avec ses 17 centrales réparties à travers le Canada, est reconnue comme étant l'un des grands promoteurs au Canada de projets d'énergie écologique renouvelable certifiés EcoLogo™ (www.canhydro.com). MM. Doak et Smith ont amorcé ce projet et ils y sont impliqués depuis plusieurs années. Carlex dirigera le projet au nom de YFP.



Le projet d'origine (juillet 2004) prévoyait un projet hydroélectrique de 15 mégawatts («MW») au fil de l'eau. Après avoir fait une nouvelle analyse des données disponibles, YFP propose maintenant d'augmenter la capacité de la centrale hydroélectrique de 5 MW en installant une centrale hydroélectrique de 20 MW au fil de l'eau. La centrale serait conçue pour produire de l'électricité pendant la journée en utilisant le débit contrôlé en provenance de la centrale de Lower Sturgeon de la Ontario Power Generation.

YFP a obtenu les services de Stantec Consulting Ltd. («Stantec») pour préparer un rapport d'analyse environnementale («RAE») tel qu'exigé en vertu du règlement 116/01 de la Loi de l'Ontario sur les évaluations environnementales. Le RAE est préparé comme il se doit pour les projets de catégorie B conformément à la méthode d'analyse environnementale du ministère de l'Environnement pour les projets électriques tel que décrit dans le «Guide des exigences touchant les évaluations environnementales pour les projets d'électricité (mars 2001)». Le projet devra également respecter les directives de la programme d'énergie hydroélectrique du Ministère des Richesses naturelles.

Selon le cas, le projet hydroélectrique de Island Falls devra également respecter les exigences fédérales. YFP et Stantec oeuvreront avec les agences fédérales appropriées pour s'assurer que le projet respecte les exigences des études de niveau de présélection en vertu de la loi canadienne sur l'évaluation environnementale.

À l'heure actuelle, Stantec prépare un inventaire des caractéristiques environnementales dans le secteur général d'étude (voir l'illustration) pour préparer un RAE, qui sera remis aux intervenants pour qu'ils en fassent l'analyse et qu'ils présentent leurs commentaires. Entre temps, pour s'assurer que les mesures appropriées de protection de l'environnement sont englobées dans le projet, nous vous invitons à nous faire part de vos idées et de vos questions. Pour fournir vos commentaires à l'équipe d'étude ou pour obtenir de plus amples informations, téléphonez à frais virés au 519.836.6050 ou consultez le site Web suivant : www.islandfallshydro.com.

Les commentaires écrits peuvent être expédiés par la poste aux adresses suivantes :

Sean Geddes
Directeur de projet
Stantec Consulting Ltd.
361, Southgate Drive
Guelph (Ontario)
N1G3M5

Geoff Carnegie
Yellow Falls Power Limited Partnership
52, Hilldale Cres.
Guelph (Ontario)
N1G 4B8

Courriel : Comments@islandfallshydro.com
Télécopieur : 519.836.2493

YFP mettra d'autres informations sur la centrale hydroélectrique de Island Falls disponibles à mesure que le projet progresse. Pour l'instant, on songe à distribuer les informations par le truchement du site Web du projet et dans les journaux locaux.

Les informations seront recueillies et utilisées conformément à la Loi sur l'accès à l'information et la Loi sur la protection des renseignements personnels et uniquement dans le but d'aider le Yellow Falls Power Limited Partnership à respecter les exigences au niveau des évaluations environnementales et de planification locale. Ces documents seront conservés en dossier et ils seront utilisés pendant l'étude; ils pourraient être englobés dans la documentation sur le projet. À l'exception des renseignements personnels, tous les commentaires seront versés dans les dossiers publics.

Weekender 3 Août $154.44. x 2 = $308.88

tation ends in vacation

Bears, never
d if I knew
to do, we
ore time."
ommunity, in
ation of only
Canadian
ly not to be
aving a great
sk for such
," comment-

eturns home
re, he will
is two older
his friends
venirs of his

and Valerie
lered two of
prestigious
ould be con-
romotion of

Jordan was all smiles when the bear came up behind him with a ball, seeking out a playmate to play ball with.

eir den
from

he follow-

NOTICE OF COMMENCEMENT TO AN ENVIRONMENTAL REVIEW

Island Falls Hydroelectric Project

Yellow Falls Power Limited Partnership ("YFP") is proposing a hydroelectric plant at Island Falls on the Mattagami River, approximately 16 km south of Smooth Rock Falls, Ontario. Carlex Corporation Inc. ("Carlex") is the general partner of YFP and the limited partners are Canadian Hydro Developers, Inc., David Smith, and a private trust related to Jim Doak. Canadian Hydro, with seventeen plants in operation throughout Canada, is recognized as one of Canada's premier developers of EcoLogo™ certified low-impact renewable energy projects (www.canhydro.com). Messrs Doak and Smith initiated this project and have been involved with it for many years. Carlex will be the project lead on behalf of YFP.

The original proposal (July 2004) called for a 15 megawatt ("MW") run-of-river hydroelectric plant. Upon further review of the available data, YFP is now proposing to increase the output of the hydro plant by 5 MW through the installation of a 20 MW run-of-river hydroelectric plant. The hydroelectric plant would be designed to generate power on a daily basis using the controlled outflow from Ontario Power Generation's Lower Sturgeon Generating Station.

YFP has retained Stantec Consulting Ltd. ("Stantec") to prepare an Environmental Review Report ("ERR") as required under Ontario Regulation 116/01 of the *Environmental Assessment Act*. The ERR is being completed as required for a Category B project under the Ministry of the Environment's Environmental Screening Process for electricity projects as outlined in their "Guide to Environmental Assessment Requirements for Electricity Projects (March 2001)". The proposal will also be required to meet The Ministry of Natural Resources' Waterpower Program Guidelines.

As applicable, the Island Falls Hydroelectric Project will also comply with federal requirements. YFP and Stantec will work with the appropriate federal agencies to ensure the project meets the requirements for a screening level study under the *Canadian Environmental Assessment Act*.

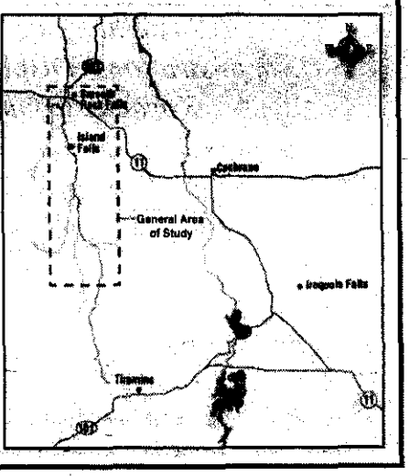
At this time Stantec is compiling an environmental features inventory in the general area of study (see figure) in order to prepare the ERR, which will be made available to stakeholders for review and comment. In the interim, in order to ensure that the appropriate environmental protection measures are incorporated into the project design, your input and questions are encouraged. To provide the study team with your comments, or for further information, please call collect to 519.836.6050 or visit us at www.islandfallshydro.com. Written comments can also be mailed to:

Sean Geddes
Project Manager
Stantec Consulting Ltd.
361 Southgate Drive
Guelph, Ontario
N1G 3M5

Geoff Carnegie
Yellow Falls Power Limited Partnership
c/o 52 Hilldale Cres.
Guelph, Ontario
N1G 4B8

e-mail: comments@islandfallshydro.com
Fax: 519.836.2493

YFP will make additional information about the Island Falls Hydroelectric Project available as the project progresses. At this time, it is intended that information will be distributed through the Project's website and in local papers.



Information will be collected and used in accordance with the Freedom of Information and Protection of Privacy Act, and solely for the purpose of assisting Yellow Falls Power Limited Partnership in meeting environmental assessment and local planning requirements. This material will be maintained on file for use during the study and may be included in project documentation. With the exception of personal information all comments will become part of the public record.

Stantec Consulting Ltd.
361 Southgate Drive
Guelph ON N1G 3M5
Tel: (519) 836-6050 Fax: (519) 836-2493
stantec.com

Stantec

August 18, 2005

Dear:

Island Falls Hydroelectric Project
Notice of Commencement of an Environmental Review

As Project Manager for the Environmental Review for the *Island Falls Hydroelectric Project*, I invite you to participate in this important study.

Yellow Falls Power Limited Partnership ("YFP") is proposing a hydroelectric plant at Island Falls on the Mattagami River, approximately 16 km south of Smooth Rock Falls, Ontario. Carlex Corporation Inc. ("Carlex") is the general partner of YFP and the limited partners are Canadian Hydro Developers, Inc., David Smith, and a private trust related to Jim Doak. Canadian Hydro, with seventeen plants in operation throughout Canada, is recognized as one of Canada's premier developers of EcoLogo™ certified low-impact renewable energy projects (www.canhydro.com). Messrs Doak and Smith initiated this project and have been involved with it for many years. Carlex will be the project lead on behalf of YFP.

The Project consists of a hydroelectric dam and plant to be located in the Geographic Township of Bradburn Township, south of the Town of Smooth Rock Falls. The proposed hydroelectric plant will be designed to generate approximately 20 megawatts ("MW") of renewable energy.

YFP has retained Stantec Consulting Ltd. ("Stantec") to prepare an Environmental Review Report ("ERR") as required under Ontario Regulation 116/01 of the *Environmental Assessment Act*. The ERR is being completed as required for a Category B project under the Ministry of the Environment's Environmental Screening Process for electricity projects as outlined in their "Guide to Environmental Assessment Requirements for Electricity Projects (March 2001)".

As applicable, the Island Falls Hydroelectric Project will also comply with federal requirements. Canadian Hydro and Stantec will work with the appropriate federal agencies to ensure the project meets the requirements for a screening level study under the *Canadian Environmental Assessment Act*.

Stantec is compiling an environmental features inventory within the general area of study (see attached map). Information collected will be used to prepare the ERR and will be made available to stakeholders for review and comment as part of the Environmental Screening Process.

Reference: Island Falls Hydroelectric Project
Notice of Commencement of an Environmental Review

At this stage of the project, Stantec is requesting your agency to consider providing comments, or co-coordinating comments regarding the Yellow Falls Hydroelectric Project. Specifically, Stantec is seeking information regarding:

- policies or guidelines implemented by your agency that may affect construction and operation of the project;
- background information that may be useful in compiling an environmental inventory within the general area of study; and
- other projects (e.g., type, size, location, development phase, etc.) proposed within or adjacent to the general area of study.

A representative from Stantec may be contacting your office in the near future to determine the most efficient way to obtain this information.

In order to ensure agency concerns are identified early in the planning process, and the necessary environmental protection measures are incorporated into the project design, your input and questions are encouraged. To provide the study team with your comments, or for further information, please call collect to 1.519.836.6050, or visit us at www.islandfallshydro.com. Additional information is provided in the attached Notice of Commencement.

Yellow Falls Power Limited Partnership and Stantec would like to take this opportunity to extend our thanks for your participation in this renewable energy initiative - an initiative that can benefit all Ontarians.

Sincerely,

Sean Geddes
Project Manager
Stantec Consulting Ltd.
Tel: (519) 836-6050
Fax: (519) 836-2493
sgeddes@stantec.com

Stantec

ISLAND FALLS HYDROELECTRIC PROJECT
NOTICE OF COMMENCEMENT
Agency Contact List

Paula Allen
EA Coordinator
Northern Region, Sudbury District Office
Ministry of the Environment
199 Larch Street, Suite 1201
Sudbury, ON P3E 5P9

Hon. Gilles Bisson
Member of Provincial Parliament
12B Byng Avenue
P.O. Box 1216
Kapuskasing, ON P5N 1W3

Ken Brant
Regional Superintendant
Central and Arctic Region, Navigable Waters Protection
Canadian Coast Guard
201 North Front Street, Suite 703
Sarnia, ON N7T 8B3

Denis Clement
Information Management Supervisor
Cochrane District Office
Ministry of Natural Resources
2 Third Avenue, P.O. Box 730
Cochrane, ON P0L 1C0

Réjeanne Demeules
Mayor
Town of Smooth Rock Falls
142 First Avenue, Box 249
Smooth Rock Falls, ON P0L 2B0

Robert Dobos
Head: Assessment
Environmental Conservation Branch, Ontario Region
Environment Canada
867 Lakeshore Road
Burlington, ON L7R 4A6

Mike Freeston
Manager
Regional Economic Development Branch
Ministry of Northern Development and Mines
447 McKeown Avenue, Suite 203
North Bay, ON P1B 9S9

Linda Hoffman
Regional Director
Transport Canada
4900 Yonge Street, 3rd Floor
Toronto, ON M2N 6A5

Ms. Marlo Johnson
Head of Planning and Design Department - Environment
Northeastern Region, Planning and Design Department
Ministry of Transportation
447 McKeown Avenue, Suite 301
North Bay, ON P1B 9S9

Elaine Lynch
Manager
Northern Area
Ministries of Citizenship, Immigration, Culture, Tourism, and Recreation
435 James Street South, Suite 334
Thunder Bay, ON P7E 6S7

Jason Innis
Northern Regional Office
Ministry of Municipal Affairs and Housing
159 Cedar Street, Suite # 401
Sudbury, ON P3E 6A5

Renewable and Electrical Energy Division
Natural Resources Canada
580 Booth Street, 18th Floor
Ottawa, ON K1A 0E4

ISLAND FALLS HYDROELECTRIC PROJECT
NOTICE OF COMMENCEMENT
AGENCY CONTACT LIST
Agency Contact List

Glen Palmer
Environmental Coordinator
Technical Standards and Safety Association
4th Floor, West Tower
3300 Bloor Street West
Toronto, ON M8X 2X4

Rod Reimer
McLeod Wood
4658 St. Patrick St. West
Fergus, ON N1M 1M2

David Robinson
Senior Advisor
Comprehensive Studies and Class Screenings
Canadian Environmental Assessment Agency
160 Elgin Street
Ottawa, ON K1A 0H3

Gregor Robinson
Director
Conservation, Energy Efficiency and Renewables Office
Ministry of Energy
880 Bay Street, 3rd Floor
Toronto, ON M7E 2E1

Rich Rudolph
Senior Habitat Biologist
Ontario Great Lakes Area, Sudbury District Office
Department of Fisheries and Oceans
1500 Paris Street, Unit 11
Sudbury, ON P3E 3B8

Hon. Brent St. Denis
Member of Parliament
House of Commons
Ottawa, ON K1A 0A6

Robin Stewart
District Planner
Cochrane District Office
Ministry of Natural Resources
2 Third Avenue, P.O. Box 730
Cochrane, ON P0L 1C0

Ed Tear
District Manager
Cochrane District Office
Ministry of Natural Resources
2 Third Avenue, P.O. Box 730
Cochrane, ON P0L 1C0

Stantec

ISLAND FALLS HYDROELECTRIC PROJECT
NOTICE OF COMMENCEMENT
Stakeholder Contact List

Keri Bernard
Environmental Manager
Kraft Pulp Division
Tembec
P.O. Box 310
Smooth Rock Falls, ON P0L 2B0

Federation of Northern Ontario Municipalities
81 St. Brendan St.
Sudbury, ON P3E 1K4

Federation of Ontario Cottagers Association
156 Duncan Mill Road, Suite 18
Toronto, ON M3B 3N2

Rob Huntley
Aquatic Conservation Network
540 Roosevelt Ave.
Ottawa, ON K2A 1Z8

Peter Murray
Northeast Plant Group Manager
Ontario Power Generation
801 Mountjoy Street South
Timmins, ON P4N 7Z4

Tri-Town and District Chamber of Commerce
P.O. Box 811, 377426 Hwy. 11-B
New Liskeard, ON P0J 1P0

Paul Norris
President
Ontario Waterpower Association
40 University Avenue, Suite 710
Toronto, ON M5J 1T1

Northern Ontario Tourist Outfitters Association
386 Algonquin Avenue
North Bay, ON P1B 4W3

Ontario Federation of Anglers and Hunters
4601 Guthrie Drive, P.O. Box 2800
Peterborough, ON K9J 8L5

Bill Sweet
Mill Manager
Kraft Pulp Division
Tembec
P.O. Box 310
Smooth Rock Falls, ON P0L 2B0

Stantec

ISLAND FALLS HYDROELECTRIC PROJECT
NOTICE OF COMMENCEMENT
First Nation Contact List

Wayne Ross
Lands and Resources Coordinator
Taykwa Tagamou Nation
275 Mallett Cr.
Timmins, ON T4P 1C4

Dwight Sutherland
Chief
Taykwa Tagamou Nation
RR #2 Box 3310
Cochrane, ON P0L 1W0

NOTE: At the time of Notice of Commencement issuance, discussions with the Ministry of Natural Resources ("MNR") indicated that the Taykwa Tagamou Nation was the sole aboriginal community with potential interest in the Project.

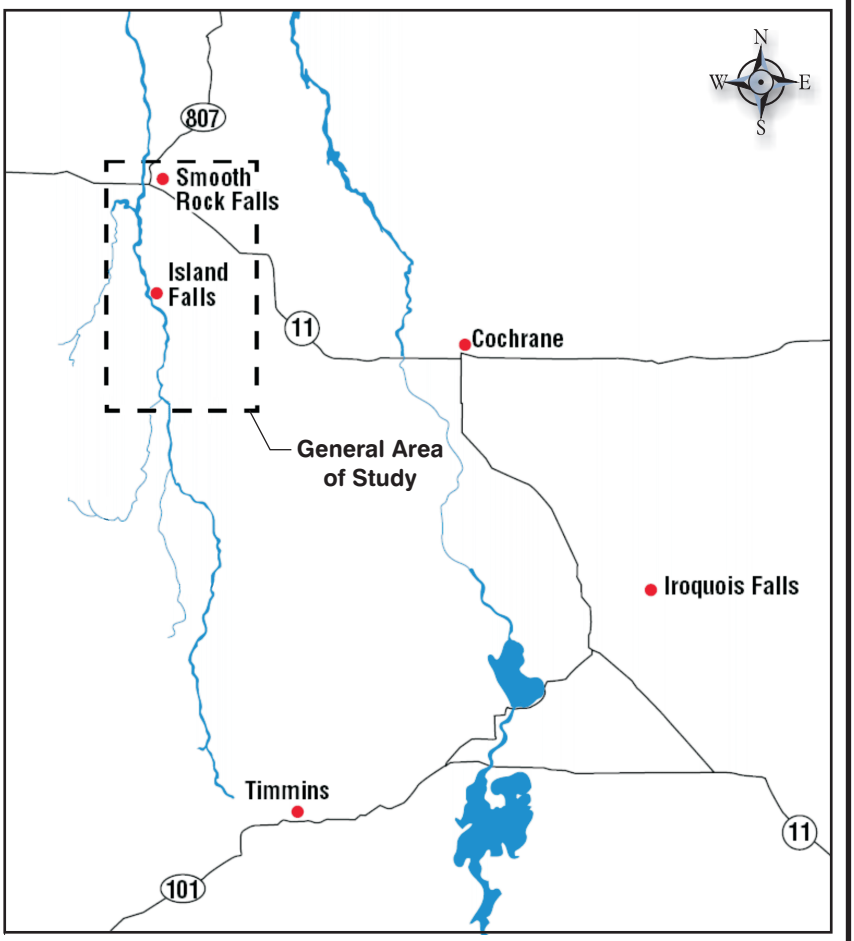
Appendix E5

First Public Open House

NOTICE OF PUBLIC OPEN HOUSE

Island Falls Hydroelectric Project

Yellow Falls Power Limited Partnership ("YFP") is proposing to build, own, and operate a 20 megawatt ("MW") run-of-river waterpower facility at Island Falls, approximately 16 km upstream from Smooth Rock Falls, Ontario (see map). Carlex Corporation Inc. is the general partner of YFP, and the limited partners are Canadian Hydro Developers, Inc. and two private individuals. Canadian Hydro, with eighteen plants in operation throughout Canada, is recognized as one of Canada's premier developers of EcoLogo™ certified low-impact renewable energy projects (www.canhydro.com).



Island Falls is located between the Lower Sturgeon Generating Station operated by Ontario Power Generation and the Smooth Rock Falls Generating Station operated by Tembec Industries Incorporated. Key features of the project include a powerhouse, dam, access roads, and electrical transmission infrastructure.

To assist with environmental and planning aspects of the Island Falls Hydroelectric Project, YFP has retained Stantec Consulting Ltd. ("Stantec") to prepare an Environmental Review Report ("ERR"), as required under Ontario Regulation 116/01 of the *Environmental Assessment Act*. The ERR is being completed as required for a Category B project under the Ministry of the Environment's Environmental Screening Process for electricity projects as outlined in their "Guide to Environmental Assessment Requirements for Electricity Projects (March 2001)." YFP and Stantec are also in the process of working with the Ministry of Natural Resources to ensure the project meets the Ministry's Waterpower Program Guidelines and Water Management Planning Guidelines, and with federal authorities to ensure the project fulfills applicable federal permits and approvals as well as the *Canadian Environmental Assessment Act*. This Public Open House is being held, and stakeholder input collected, as part of the above-noted regulatory processes.

At this time, YFP invites you to attend a Public Open House regarding the Island Falls Hydroelectric Project. The Public Open House will provide the opportunity for stakeholders to review the project concept, environmental screening process, and general planning constraints, as well as to provide comments to the project team. The Public Open House is scheduled for:

When: **Tuesday March 7, 2006**
Time: **4:00 to 8:00 p.m.**
Where: **Royal Canadian Legion, 169-5th Street**
Smooth Rock Falls, ON P0L 2B0

Stakeholder participation is an important component of the environmental screening process. In order to ensure that the appropriate environmental protection measures are incorporated into the project design your input and questions are encouraged. To provide the study team with your comments, or for further information, please visit us at www.islandfallshydro.com or call Stantec collect at (519) 836-6050. Written comments can also be sent to:

Rob Nadolny
Senior Project Manager
Stantec Consulting Ltd.
361 Southgate Drive
Guelph, Ontario
N1G 3M5

Geoff Carnegie
Manager, Ontario Projects
Yellow Falls Power Limited Partnership
c/o 52 Hilldale Crescent
Guelph, Ontario
N1G 4B8

Fax: 519.836.2493
e-mail: comments@islandfallshydro.com

Information will be collected and used in accordance with the Freedom of Information and Protection of Privacy Act and solely for the purpose of assisting YFP in meeting environmental assessment and planning requirements. This material will be maintained on file for use during the study and may be included in project documentation. With the exception of personal information all comments will become part of the public record.

education and much more...

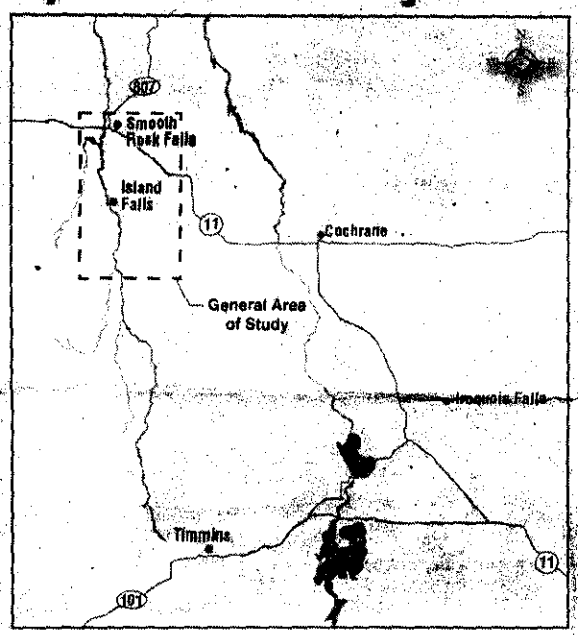
For more information, contact:
Crystal St. Jean, Resourcentral Project Coordinator
Phone: (705) 360-1353 ext 4 - E-Mail: cst-jean@neonet.on.ca

Canada NEOnet FedNor

NOTICE OF PUBLIC OPEN HOUSE

Island Falls Hydroelectric Project

Yellow Falls Power Limited Partnership ("YFP") is proposing to build, own, and operate a 20 megawatt ("MW") run-of-river waterpower facility at Island Falls, approximately 16 km upstream from Smooth Rock Falls, Ontario (see map). Carlex Corporation Inc. is the general partner of YFP, and the limited partners are Canadian Hydro Developers, Inc. and two private individuals. Canadian Hydro, with eighteen plants in operation throughout Canada, is recognized as one of Canada's premier developers of EcoLogo™ certified low-impact renewable energy projects (www.canhydro.com).



Island Falls is located between the Lower Sturgeon Generating Station operated by Ontario Power Generation and the Smooth Rock Falls Generating Station operated by Tembec Industries Incorporated. Key features of the project include a powerhouse, dam, access roads, and electrical transmission infrastructure.

To assist with environmental and planning aspects of the Island Falls Hydroelectric Project, YFP has retained Stantec Consulting Ltd. ("Stantec") to prepare an Environmental Review Report ("ERR"), as required under Ontario Regulation 116/01 of the *Environmental Assessment Act*. The ERR is being completed as required for a Category B project under the Ministry of the Environment's Environmental Screening Process for electricity projects as outlined in their "Guide to Environmental Assessment Requirements for Electricity Projects (March 2001)." YFP and Stantec are also in the process of working with the Ministry of Natural Resources to ensure the project meets the Ministry's Waterpower Program Guidelines and Water Management Planning Guidelines, and with federal authorities to ensure the project fulfills applicable federal permits and approvals as well as the *Canadian Environmental Assessment Act*. This Public Open House is being held, and stakeholder input collected, as part of the above-noted regulatory processes.

At this time, YFP invites you to attend a Public Open House regarding the Island Falls Hydroelectric Project. The Public Open House will provide the opportunity for stakeholders to review the project concept, environmental screening process, and general planning constraints, as well as to provide comments to the project team. The Public Open House is scheduled for:

When: Tuesday March 7, 2006
Time: 4:00 to 8:00 p.m.
Where: Royal Canadian Legion, 169-5th Street
Smooth Rock Falls, ON P0L 2B0

Stakeholder participation is an important component of the environmental screening process. In order to ensure that the appropriate environmental protection measures are incorporated into the project design your input and questions are encouraged. To provide the study team with your comments, or for further information, please visit us at www.islandfallshydro.com or call Stantec collect at (519) 836-6050. Written comments can also be sent to:

Rob Nadolny
Senior Project Manager
Stantec Consulting Ltd.
361 Southgate Drive
Guelph, Ontario
N1G 3M5

Geoff Carnegie
Manager, Ontario Projects
Yellow Falls Power Limited Partnership
c/o 52 Hilldale Crescent
Guelph, Ontario
N1G 4B8

Fax: 519.836.2493
e-mail: comments@islandfallshydro.com

Information will be collected and used in accordance with the Freedom of Information and Protection of Privacy Act and solely for the purpose of assisting YFP in meeting environmental assessment and planning requirements. This material will be maintained on file for use during the study and may be included in project documentation. With the exception of personal information all comments will become part of the public record.

pey, Hannah Graham, Olivia Dinnissen et
ipé au Swim Ontario-North East Ontario
de très bons résultats.

t que pour avoir obtenu le plus haut pointage parmi les
et de nageurs durant la rencontre) à l'impressionnant
d'être tableau du club de nage KapSwim.
Kap

rmé-
leurs
lanie
beare
bans,
kins,

metra de participer au concours provincial à Waterloo le 18 mars.

Elissa Laflamme a terminé deuxième en finale, elle a patiné sur la musique de Carmen Suite #1 dans un programme de 1.5 minute. Elle aura la chance, elle aussi, de représenter son club au tournoi provincial de Waterloo.

NOTIFICATION DE SESSION D'INFORMATION PUBLIQUE

Island Falls - Projet de génération hydro-électrique

Yellow Falls Power Limited Partnership (YFP) se propose de construire et exploiter en qualité de propriétaire une installation de génération hydro-électrique de 20 mégawatts (MW) sur la rivière à Island Falls, à environ 16 km en amont de Smooth Rock Falls, Ontario (voir la carte). Carlex Corporation Inc. est l'associé commandité de YFP, et les associés à responsabilité limitée sont Canadian Hydro Developers, Inc. et deux particuliers. Canadian Hydro exploite actuellement dix-huit usines à travers le Canada et est très réputée au Canada comme réalisateur et promoteur de projets de production d'énergie renouvelable à impact modéré, certification EcoLogo^{MC} (www.canhydro.com).

Island Falls est située entre la station de génération Lower Sturgeon exploitée par Ontario Power Generation et la station de génération de Smooth Rock Falls exploitée par Tembec Industries Incorporated. Le projet inclut des infrastructures comme station de génération, barrage, routes d'accès, et installations de transmission de l'énergie produite.

Pour les études environnementales et la planification du projet de génération hydro-électrique de Island Falls YFP a retenu les services de Stantec Consulting Ltd. (Stantec), qui préparera le Rapport d'évaluation environnementale (REE) stipulé par le règlement ontarien 116/01 adopté dans le cadre de la *Loi sur l'évaluation environnementale*. Le REE concernera un projet de catégorie B et le processus d'évaluation environnementale du ministère de l'Environnement pour les projets de production d'électricité, comme ceci est mentionné dans le document du ministère intitulé Guide to Environmental Assessment Requirements for Electricity Projects (mars 2001). YFP et Stantec coopèrent également avec le ministère des Ressources naturelles afin que le projet puisse satisfaire aux exigences des directives du ministère pour les ressources d'énergie hydraulique et la planification/gestion de l'utilisation de l'eau, et avec les autorités fédérales pour l'obtention des permis et approbations appropriés et afin que le projet puisse satisfaire aux exigences de la *Loi canadienne sur l'évaluation environnementale*. Cette session d'information publique est organisée dans le cadre des processus réglementaires décrits ci-dessus.

YFP vous invite à assister à la session d'information publique concernant le projet de génération hydro-électrique de Island Falls. La session d'information publique donnera aux parties prenantes l'occasion d'examiner le concept du projet, le processus d'évaluation environnementale et les contraintes de planification, et l'occasion de communiquer leurs commentaires à l'équipe responsable du projet.

Date : Mardi 7 mars 2006
Heure : 16h00 à 20h00
Lieu : Royal Canadian Legion, 169-5th Street, Smooth Rock Falls, ON P0L 2B0

Les commentaires reçus durant la session d'information publique seront pris en compte dans le cadre des processus d'évaluation environnementale et autres processus réglementaires.

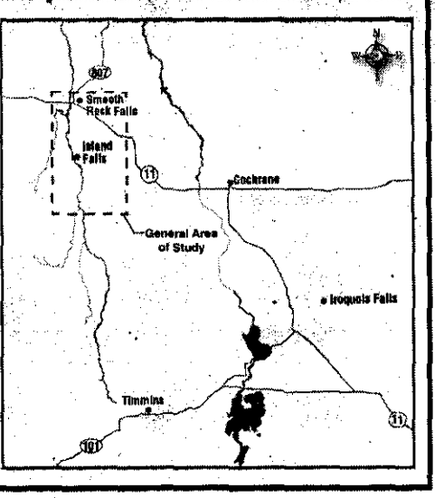
La participation des parties prenantes est un facteur important des processus d'évaluation environnementale. Pour que les mesures appropriées de protection de l'environnement puissent être incorporées dans la conception des installations, nous sollicitons vos commentaires et vos questions. Pour communiquer vos commentaires et vos questions à l'équipe chargée de l'étude, et pour vous informer sur le projet, vous pouvez consulter le site Internet www.islandfallshydro.com ou téléphoner sans frais à Stantec à (519) 836-6050. Vous pouvez également faire parvenir vos commentaires par écrit à :

Rob Nadolny
Directeur de projet principal
Stantec Consulting Ltd.
361 Southgate Drive
Guelph, Ontario
N1G 3M5

Geoff Carnegie
Directeur, projets ontariens
Yellow Falls Power Limited Partnership
c/o 52 Hilldale Crescent
Guelph, Ontario
N1G 4B8

Télécopieur: 519.836.2493
Courriel: comments@islandfallshydro.com

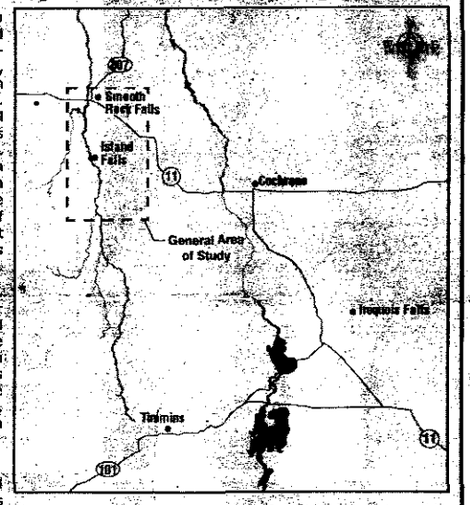
Toute information recueillie sera traitée conformément aux prescriptions de la Loi sur l'accès à l'information et la protection de la vie privée, et sera utilisée uniquement aux fins d'aider YFP à se conformer aux exigences d'évaluation environnementale et des processus de planification. Cette information sera conservée en dossier pour utilisation dans le cadre de l'étude, et pourra être incluse dans la documentation du projet. À l'exception de l'information de nature personnelle, les commentaires reçus feront partie de l'information accessible au public.



NOTICE OF PUBLIC OPEN HOUSE

Island Falls Hydroelectric Project

Yellow Falls Power Limited Partnership ("YFP") is proposing to build, own, and operate a 20 megawatt ("MW") run-of-river waterpower facility at Island Falls, approximately 16 km upstream from Smooth Rock Falls, Ontario (see map). Carlex Corporation Inc. is the general partner of YFP, and the limited partners are Canadian Hydro Developers, Inc. and two private individuals. Canadian Hydro, with eighteen plants in operation throughout Canada, is recognized as one of Canada's premier developers of EcoLogo™ certified low-impact renewable energy projects (www.canhydro.com).



Island Falls is located between the Lower Sturgeon Generating Station operated by Ontario Power Generation and the Smooth Rock Falls Generating Station operated by Tembec Industries Incorporated. Key features of the project include a powerhouse, dam, access roads, and electrical transmission infrastructure.

To assist with environmental and planning aspects of the Island Falls Hydroelectric Project, YFP has retained Stantec Consulting Ltd. ("Stantec") to prepare an Environmental Review Report ("ERR"), as required under Ontario Regulation 116/01 of the *Environmental Assessment Act*. The ERR is being completed as required for a Category B project under the Ministry of the Environment's Environmental Screening Process for electricity projects as outlined in their "Guide to Environmental Assessment Requirements for Electricity Projects (March 2001)." YFP and Stantec are also in the process of working with the Ministry of Natural Resources to ensure the project meets the Ministry's Waterpower Program Guidelines and Water Management Planning Guidelines, and with federal authorities to ensure the project fulfills applicable federal permits and approvals as well as the *Canadian Environmental Assessment Act*. This Public Open House is being held, and stakeholder input collected, as part of the above-noted regulatory processes.

At this time, YFP invites you to attend a Public Open House regarding the Island Falls Hydroelectric Project. The Public Open House will provide the opportunity for stakeholders to review the project concept, environmental screening process, and general planning constraints, as well as to provide comments to the project team. The Public Open House is scheduled for:

When: Tuesday March 7, 2006
Time: 4:00 to 8:00 p.m.
Where: Royal Canadian Legion, 169-5th Street
Smooth Rock Falls, ON P0L 2B0

Stakeholder participation is an important component of the environmental screening process. In order to ensure that the appropriate environmental protection measures are incorporated into the project design your input and questions are encouraged. To provide the study team with your comments, or for further information, please visit us at www.islandfallshydro.com or call Stantec collect at (519) 836-6050. Written comments can also be sent to:

Rob Nadolny
Senior Project Manager
Stantec Consulting Ltd.
361 Southgate Drive
Guelph, Ontario
N1G 3M5

Geoff Carnegie
Manager, Ontario Projects
Yellow Falls Power Limited Partnership
c/o 52 Hilldale Crescent
Guelph, Ontario
N1G 4B8

Fax: 519.836.2493
e-mail: comments@islandfallshydro.com

Information will be collected and used in accordance with the Freedom of Information and Protection of Privacy Act and solely for the purpose of assisting YFP in meeting environmental assessment and planning requirements. This material will be maintained on file for use during the study and may be included in project documentation. With the exception of personal information all comments will become part of the public record.

***BOUND FOR** the northeastern Ontario senior girls volleyball finals this week were the Cité des Jeunes team, made up of (from back left) Michele Meilleur, Caroline Turcotte, Stephanie Beaulac, Jessica Larabie and Nadia Bérubé; and in front, Amy Filion, Yvette Mercier, Julie Anne Bérubé and Karine Sylvain.*

NOTIFICATION DE SESSION D'INFORMATION PUBLIQUE

Island Falls - Projet de génération hydro-électrique

Yellow Falls Power Limited Partnership (YFP) se propose de construire et exploiter en qualité de propriétaire une installation de génération hydro-électrique de 20 mégawatts (MW) sur la rivière à Island Falls, à environ 16 km en amont de Smooth Rock Falls, Ontario (voir la carte). Carlex Corporation Inc. est l'associé commandité de YFP, et les associés à responsabilité limitée sont Canadian Hydro Developers, Inc. et deux particuliers. Canadian Hydro exploite actuellement dix-huit usines à travers le Canada et est très réputée au Canada comme réalisateur et promoteur de projets de production d'énergie renouvelable à impact modéré, certification EcoLogo™ (www.canhydro.com).

Island Falls est située entre la station de génération Lower Sturgeon exploitée par Ontario Power Generation et la station de génération de Smooth Rock Falls exploitée par Tembec Industries Incorporated. Le projet inclut des infrastructures comme station de génération, barrage, routes d'accès, et installations de transmission de l'énergie produite.

Pour les études environnementales et la planification du projet de génération hydro-électrique de Island Falls YFP a retenu les services de Stantec Consulting Ltd. (Stantec), qui préparera le Rapport d'évaluation environnementale (REE) stipulé par le règlement ontarien 116/01 adopté dans le cadre de la *Loi sur l'évaluation environnementale*. Le REE concernera un projet de catégorie B et le processus d'évaluation environnementale du ministère de l'Environnement pour les projets de production d'électricité, comme ceci est mentionné dans le document du ministère intitulé Guide to Environmental Assessment Requirements for Electricity Projects (mars 2001). YFP et Stantec coopèrent également avec le ministère des Ressources naturelles afin que le projet puisse satisfaire aux exigences des directives du ministère pour les ressources d'énergie hydraulique et la planification/gestion de l'utilisation de l'eau, et avec les autorités fédérales pour l'obtention des permis et approbations appropriés et afin que le projet puisse satisfaire aux exigences de la *Loi canadienne sur l'évaluation environnementale*. Cette session d'information publique est organisée dans le cadre des processus réglementaires décrits ci-dessus.

YFP vous invite à assister à la session d'information publique concernant le projet de génération hydro-électrique de Island Falls. La session d'information publique donnera aux parties prenantes l'occasion d'examiner le concept du projet, le processus d'évaluation environnementale et les contraintes de planification, et l'occasion de communiquer leurs commentaires à l'équipe responsable du projet.

Date : Mardi 7 mars 2006
Heure : 16h00 à 20h00
Lieu : Royal Canadian Legion, 169-5th Street, Smooth Rock Falls, ON P0L 2B0

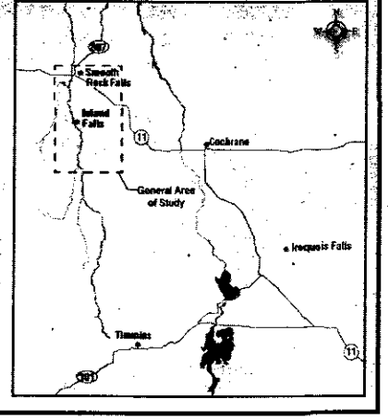
Les commentaires reçus durant la session d'information publique seront pris en compte dans le cadre des processus d'évaluation environnementale et autres processus réglementaires.

La participation des parties prenantes est un facteur important des processus d'évaluation environnementale. Pour que les mesures appropriées de protection de l'environnement puissent être incorporées dans la conception des installations, nous sollicitons vos commentaires et vos questions. Pour communiquer vos commentaires et vos questions à l'équipe chargée de l'étude, et pour vous informer sur le projet, vous pouvez consulter le site Internet www.islandfallshydro.com ou téléphoner sans frais à Stantec à (519) 836-6050. Vous pouvez également faire parvenir vos commentaires par écrit à:

Rob Nadolny
Directeur de projet principal
Stantec Consulting Ltd.
361 Southgate Drive
Guelph, Ontario
N1G 3M5

Geoff Carnegie
Directeur, projets ontariens
Yellow Falls Power Limited Partnership
c/o 52 Hilldale Crescent
Guelph, Ontario
N1G 4B8

Télécopieur: 519.836.2493
Courriel: comments@islandfallshydro.com



Toute information recueillie sera traitée conformément aux prescriptions de la Loi sur l'accès à l'information et la protection de la vie privée, et sera utilisée uniquement aux fins d'aider YFP à se conformer aux exigences d'évaluation environnementale et des processus de planification. Cette information sera conservée en dossier pour utilisation dans le cadre de l'étude, et pourra être incluse dans la documentation du projet. À l'exception de l'information de nature personnelle, les commentaires reçus feront partie de l'information accessible au public.

Keeping our youth in the I

Since the early 1980's provincial governments have faced the problem of youth out-migration in northern communities.

As a parent and a former teacher, I am all too familiar with the departure of our daughters and sons out of the North in search of work. As a northern politician, I along with my northern caucus colleagues, continue to work with our government to stem the exodus of our best and our brightest

The McGui
recognizes that
people are ou
resource. They
the region's fu
prosperity. Wit
we've set about
directly and forc
ber of fronts.

As part of
Prosperity plan,
youth are addr
cused Northern
fund corporatio
the six new prog
two are aimed sp
viding new o
Northern Onta
young entrepren

One, the No
young Entrepre
provides young
opportunity to d
skills while assis
starting their ow
the North. Unde
gram, the provin
invested nearly $
16 young entrepre
businesses in
Additional proje
program will be a
ongoing basis.

Another, the N

NOT
IN T

The 2006
you have
the Municipal Office
will not absolve the
charges that may acc

Due dates for the in
March 9, 20
April 28, 20

Please note that the C
billing is that of 2005
annualized assessmen
CVA and will be adju

****

AVIS À TOU
DE LA VI

Si vous êtes propriéta
vous êtes censé avoir
foncier pour l'an 2006

Les dates d'échéances p
le 9 mars 20
le 28 avril 20

Si vous n'avez pas en
le bureau municipal au
ne décharge pas le pro
l'impôt foncier ni d'acq

S'il vous plaît la note
le facturer est que de 2
l'évaluation annualisé
l'Évaluation Foncière d

stantec.com

Stantec

February 16, 2006
ADDRESS
LINE 2
LINE 3

RE: Notice of First Public Open House
Island Falls Hydroelectric Project

Dear NAME:

Further to our earlier correspondence on the above captioned project, Yellow Falls Power Limited Partnership ("YFP") and Stantec Consulting Ltd. ("Stantec") will be conducting a Public Open House regarding the Island Falls Hydroelectric Project (see attachment). The Public Open House will introduce the project concept, environmental screening process, waterpower and water management guidelines, and general planning constraints.

As a representative of an agency with an interest in the proposed waterpower project, you are invited to attend the Public Open House to provide comments or ask questions regarding this project. Representatives from both YFP and Stantec will be available to answer questions and receive comments. The Public Open House will be held:

When: Tuesday, 7 March, 2006
Time: 6:00 to 9:00 p.m.
Where: Royal Canadian Legion, 169-5th Street
Smooth Rock Falls, ON P0L 2B0

We hope that you will attend the Open House, however if you are unable to join us we welcome your input. To provide the study team with your comments or for further information, please contact Stantec at **(519) 836-6050**, via email at **comments@islandfallshydro.com** or visit the project website at **www.islandfallshydro.com**.

YFP and Stantec would like to take this opportunity to extend our thanks for your participation in this renewable energy initiative.

Sincerely,

STANTEC CONSULTING LTD.

Rob Nadolny
Senior Project Manager
Stantec Consulting Ltd.

stantec.com

Stantec

February 16, 2006
ADDRESS
LINE 2
LINE 3

RE: Notice of First Public Open House
Island Falls Hydroelectric Project

Dear NAME:

Yellow Falls Power Limited Partnership ("YFP") and Stantec Consulting Ltd. ("Stantec") will be conducting a Public Open House regarding the Island Falls Hydroelectric Project (see attachment). The Public Open House will introduce the project concept, environmental screening process, waterpower and water management guidelines, and general planning constraints.

The purpose of this letter is to invite you to attend the Public Open House to provide comments and/or ask questions regarding this waterpower project. Representatives from both YFP and Stantec will be available to answer questions and receive comments. The Public Open House will be held at:

When: Tuesday, 7 March, 2006
Time: 6:00 to 9:00 p.m.
Where: Royal Canadian Legion, 169-5th Street
Smooth Rock Falls, ON P0L 2B0

We hope that you will attend the Open House, however if you are unable to join us we welcome your input. To provide the study team with your comments or for further information, please contact Stantec at **(519) 836-6050**, via email at **comments@islandfallshydro.com** or visit the project website at **www.islandfallshydro.com**.

YFP and Stantec would like to take this opportunity to extend our thanks for your participation in this renewable energy initiative.

Sincerely,

STANTEC CONSULTING LTD.

Rob Nadolny

Senior Project Manager
Stantec Consulting Ltd.

Stantec Inc.
361 Southgate Drive
Guelph ON N1H 6H9
Tel: (519) 836-6050 Fax: (519) 836-2493

stantec.com

Stantec

17 February 2006

To whom it may concern,

RE: **Notice of First Public Open House**
Island Falls Hydroelectric Project

To preserve the confidentiality of your personal information this letter has been forwarded to you by the Ontario Ministry of Natural Resources (MNR) on behalf of Yellow Falls Power Limited Partnership ("YFP") and Stantec Consulting Ltd. ("Stantec"). YFP and Stantec will be conducting a Public Open House regarding the Island Falls Hydroelectric Project (see attachment) to introduce the project concept, environmental screening process, waterpower and water management guidelines, and general planning constraints.

The purpose of this letter is to invite you to attend the Public Open House to provide comments and/or ask questions regarding this waterpower project. Representatives from both YFP and Stantec will be available to answer questions and receive comments. The Public Open House will be held at:

When: **Tuesday, 7 March 2006**
Time: **6:00 to 9:00 p.m.**
Where: **Royal Canadian Legion, 169-5th Street**
Smooth Rock Falls, ON P0L 2B0

We hope that you will attend the Open House, however, if you are unable to join us we welcome your input. To provide the study team with your comments or for further information, please contact Stantec at **(519) 836-6050**, via email at **comments@islandfallshydro.com**, or visit the project website at **www.islandfallshydro.com**.

If you wish to be added to the project's stakeholder list, so that future notices are delivered directly to you, please provide your contact and mailing information to us at one of the contact points listed above. However, even if you choose not to contact YFP or Stantec directly, MNR will continue to keep you informed of project activities as they occur.

YFP and Stantec would like to take this opportunity to extend our thanks for your participation in this renewable energy initiative.

Sincerely,

STANTEC CONSULTING LTD.

Rob Nadolny
Senior Project Manager
Stantec Consulting Ltd.

Stantec

ISLAND FALLS HYDROELECTRIC PROJECT
NOTICE OF FIRST PUBLIC OPEN HOUSE
Agency Contact List

Paula Allen
EA Coordinator
Northern Region, Sudbury District Office
Ministry of the Environment
199 Larch Street, Suite 1201
Sudbury, ON P3E 5P9

Hon. Gilles Bisson
Member of Provincial Parliament
12B Byng Avenue
P.O. Box 1216
Kapuskasing, ON P5N 1W3

Ken Brant
Regional Superintendant
Central and Arctic Region, Navigable Waters Protection
Canadian Coast Guard
201 North Front Street, Suite 703
Sarnia, ON N7T 8B3

Denis Clement
Information Management Supervisor
Cochrane District Office
Ministry of Natural Resources
2 Third Avenue, P.O. Box 730
Cochrane, ON P0L 1C0

Réjeanne Demeules
Mayor
Town of Smooth Rock Falls
142 First Avenue, Box 249
Smooth Rock Falls, ON P0L 2B0

Robert Dobos
Head: Assessment
Environmental Conservation Branch, Ontario Region
Environment Canada
867 Lakeshore Road
Burlington, ON L7R 4A6

Mike Freeston
Manager
Regional Economic Development Branch
Ministry of Northern Development and Mines
447 McKeown Avenue, Suite 203
North Bay, ON P1B 9S9

Jennifer Griffin
District Planner
Cochrane District Office
Ministry of Natural Resources
2 Third Ave., P.O. Box 730
Cochrane, ON P0L 1C0

John Higham
Manager
Environment Unit & Natural Resources, Lands and Trusts
Indian and Northern Affairs Canada
25 St. Clair Ave. E, 8th Floor
Toronto, ON M4T 1M2

Linda Hoffman
Regional Director
Transport Canada
4900 Yonge Street, 3rd Floor
Toronto, ON M2N 6A5

Ms. Marlo Johnson
Head of Planning and Design Department - Environment
Northeastern Region, Planning and Design Department
Ministry of Transportation
447 McKeown Avenue, Suite 301
North Bay, ON P1B 9S9

Louise Knox
Director
Canadian Environmental Assessment Agency
55 St. Clair Ave. East
Toronto, ON M4T 1M2

Stantec

ISLAND FALLS HYDROELECTRIC PROJECT
NOTICE OF FIRST PUBLIC OPEN HOUSE
Agency Contact List

Glen Palmer
Environmental Coordinator
Technical Standards and Safety Association
4th Floor, West Tower
3300 Bloor Street West
Toronto, ON M8X 2X4

Rod Reimer
McLeod Wood
4658 St. Patrick St. West
Fergus, ON N1M 1M2

David Robinson
Senior Advisor
Comprehensive Studies and Class Screenings
Canadian Environmental Assessment Agency
160 Elgin Street
Ottawa, ON K1A 0H3

Gregor Robinson
Director
Conservation, Energy Efficiency and Renewables Office
Ministry of Energy
880 Bay Street, 3rd Floor
Toronto, ON M7E 2E1

Rich Rudolph
Senior Habitat Biologist
Ontario Great Lakes Area, Sudbury District Office
Department of Fisheries and Oceans
1500 Paris Street, Unit 11
Sudbury, ON P3E 3B8

Hon. Brent St. Denis
Member of Parliament
House of Commons
Ottawa, ON K1A 0A6

Robin Stewart
District Planner
Cochrane District Office
Ministry of Natural Resources
2 Third Avenue, P.O. Box 730
Cochrane, ON P0L 1C0

Ed Tear
District Manager
Cochrane District Office
Ministry of Natural Resources
2 Third Avenue, P.O. Box 730
Cochrane, ON P0L 1C0

Stantec

ISLAND FALLS HYDROELECTRIC PROJECT
FIRST PUBLIC OPEN HOUSE
First Nation Contact List

Wayne Ross
Lands and Resources Coordinator
Taykwa Tagamou Nation
275 Mallett Cr.
Timmins, ON T4P 1C4

Dwight Sutherland
Chief
Taykwa Tagamou Nation
RR #2 Box 3310
Cochrane, ON P0L 1W0

NOTE: At the time of the notice of First Public Open House, discussions with the Ministry of Natural Resources ("MNR") indicated that the Taykwa Tagamou Nation was the sole aboriginal community with potential interest in the Project.

Stantec

ISLAND FALLS HYDROELECTRIC PROJECT
NOTICE OF FIRST PUBLIC OPEN HOUSE
Stakeholder Contact List

Yvon Arseneault
29 7th Ave., PO Box 42
Smooth Rock Falls, ON P0L 2B0

Keri Bernard
Environmental Manager
Kraft Pulp Division
Tembec
P.O. Box 310
Smooth Rock Falls, ON P0L 2B0

Federation of Northern Ontario Municipalities
81 St. Brendan St.
Sudbury, ON P3E 1K4

Louis Gagnon
President
Smooth Rock Falls Anglers and Hunters
P.O. Box 959
Smooth Rock Falls, ON P0L 2B0

Rob Huntley
Aquatic Conservation Network
540 Roosevelt Ave.
Ottawa, ON K2A 1Z8

Peter Murray
Northeast Plant Group Manager
Ontario Power Generation
801 Mountjoy Street South
Timmins, ON P4N 7Z4

Paul Norris
President
Ontario Waterpower Association
40 University Avenue, Suite 710
Toronto, ON M5J 1T1

Northern Ontario Tourist Outfitters Association
386 Algonquin Avenue
North Bay, ON P1B 4W3

Ontario Federation of Anglers and Hunters
4601 Guthrie Drive, P.O. Box 2800
Peterborough, ON K9J 8L5

Jean Sauvé
915 Hwy 11
Strickland, ON P0L 2C0

Bill Sweet
Mill Manager
Kraft Pulp Division
Tembec
P.O. Box 310
Smooth Rock Falls, ON P0L 2B0

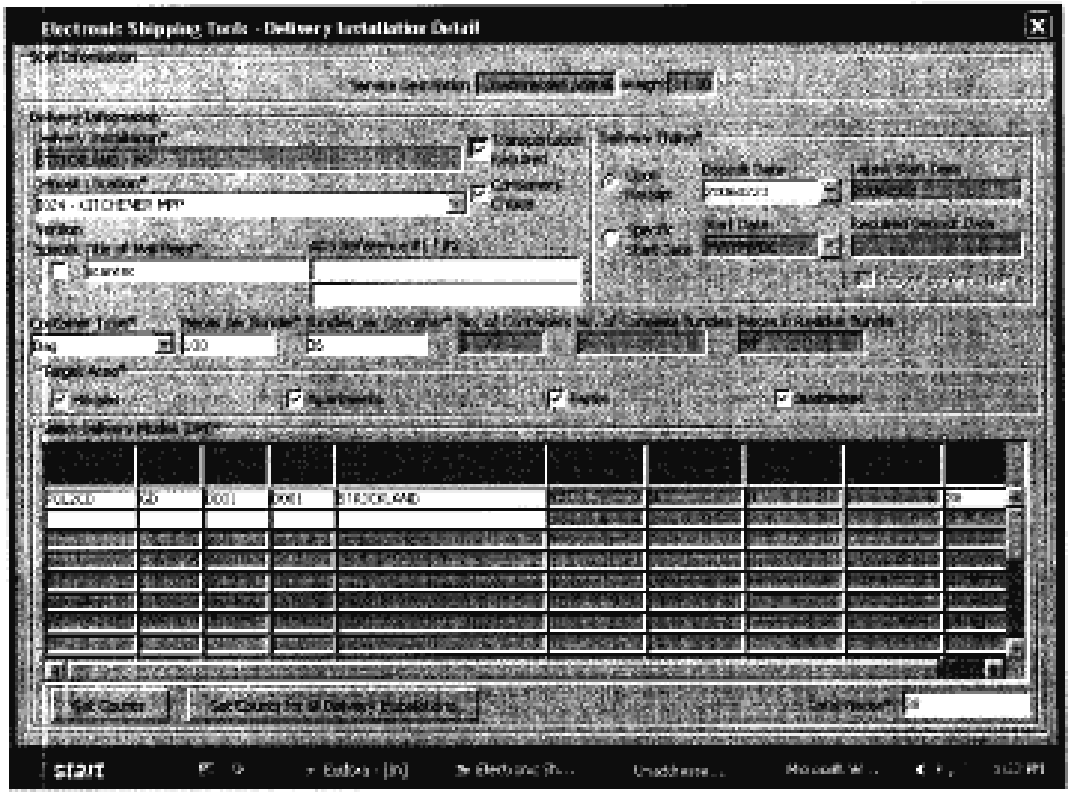
Rob Trahan
Owner/Operator
Northern Expeditions
1150 Riverside Dr.
Timmins, ON P4R 1A2

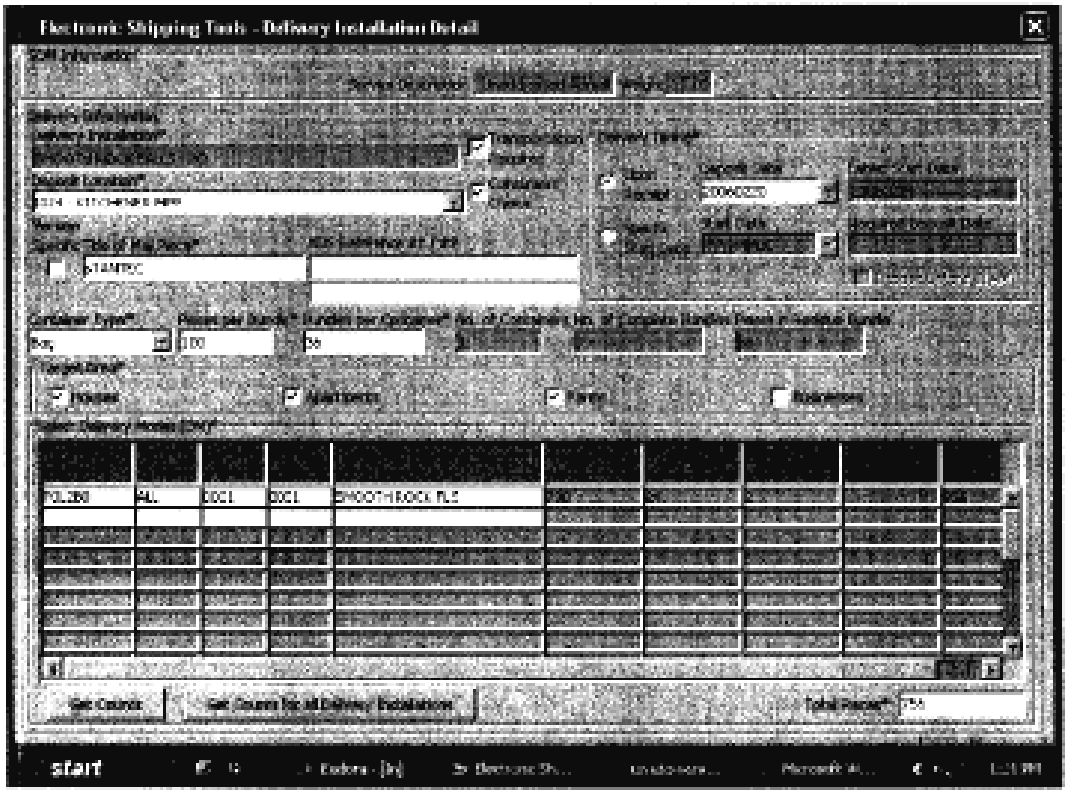
Blaise Tremblay
Trail Co-ordinator
Arctic Riders Snowmobile Club
P.O. Box 956
Smooth Rock Falls, ON P0L 2B0

Tri-Town and District Chamber of Commerce
P.O. Box 811, 377426 Hwy. 11-B
New Liskeard, ON P0J 1P0

Stantec

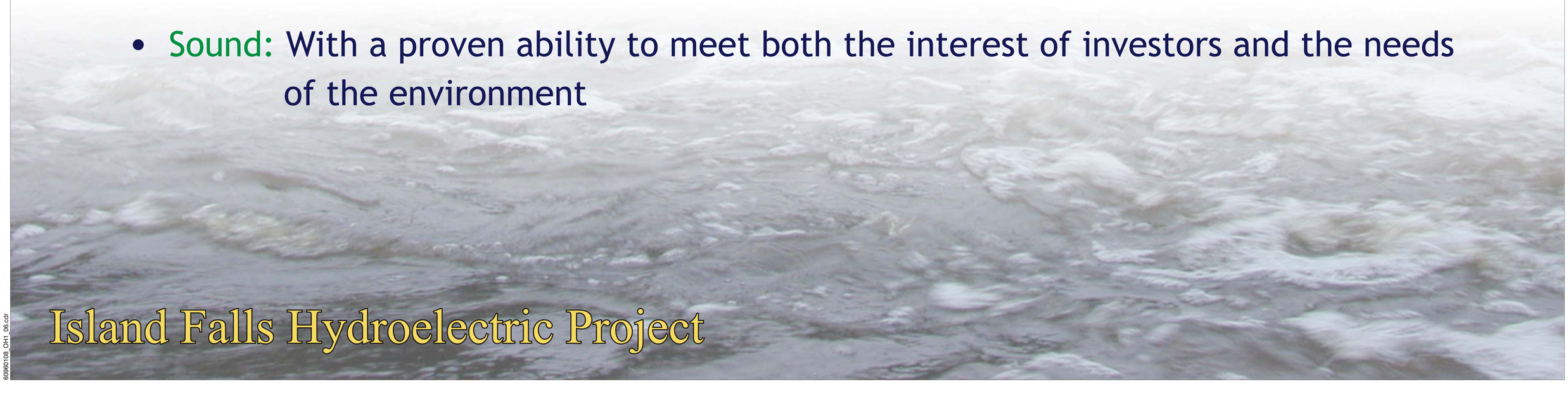
ISLAND FALLS HYDROELECTRIC PROJECT
NOTICE OF FIRST PUBLIC OPEN HOUSE
Canada Post Admail Distribution





Who is Yellow Falls Power?

- Yellow Falls Power LP is owned by Carlex Corporation, which in turn is owned by the limited partners Canadian Hydro Developers, Inc. and two private individuals
- Canadian Hydro is the technical lead for the project and is:
  - One of Canada's premier independent developers of EcoLogo® certified low-impact renewable energy with eighteen plants located across Canada
  - Publicly listed since 1990 (TSX:KHD)
  - Clean, Simple & Sound®
    - Clean: Low-impact development of renewable energy resources
    - Simple: Featuring a balanced portfolio of water, wind, and biomass plants
    - Sound: With a proven ability to meet both the interest of investors and the needs of the environment



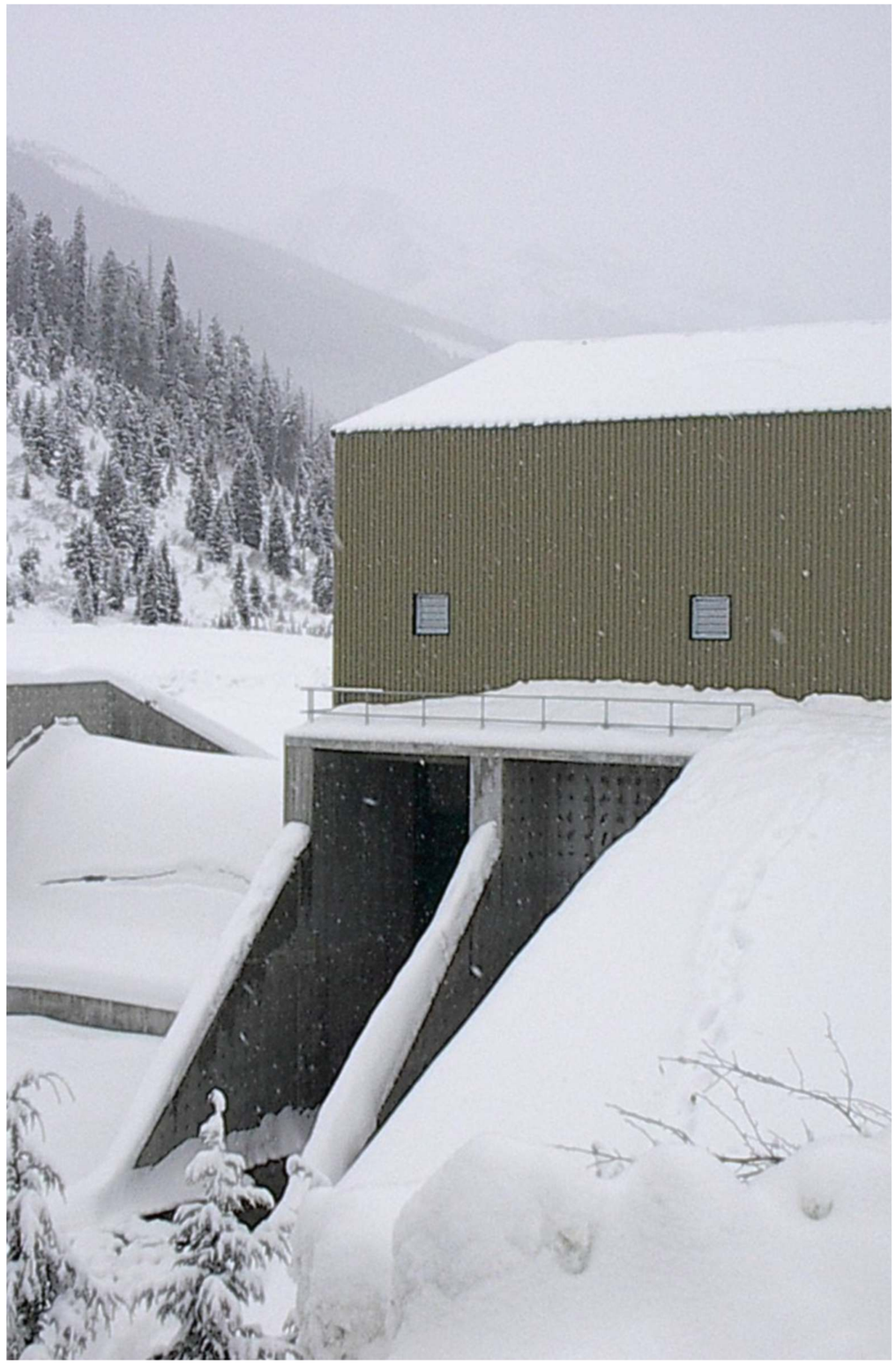
Where else does Canadian Hydro operate?

Canadian Hydro has renewable energy plants in the following locations:

Ontario
- Ragged Chute (Cobalt area) - hydroelectric
- Appleton (Ottawa Valley) - hydroelectric
- Moose Rapids (near Sudbury) - hydroelectric
- Galetta (west of Ottawa) - hydroelectric
- Misema (north of New Liskeard) - hydroelectric
- Melancthon I (near Shelburne) - wind

Alberta
- Belly River - hydroelectric
- Waterton - hydroelectric
- St. Mary - hydroelectric
- Taylor - hydroelectric and wind
- Cowley Ridge - wind
- Cowley North - wind
- Sinnott - wind
- Grande Prairie EcoPower® Centre - biomass (wood waste)

British Columbia
- Akolkolex - hydroelectric
- Pingston - hydroelectric
- Upper Mamquam - hydroelectric



45 MW Pingston Hydroelectric Plant, British Columbia

Island Falls Hydroelectric Project

What is Yellow Falls Power Planning to Build?

- A run-of-river hydroelectric plant able to generate 20 megawatts of renewable electricity
- Enough electricity to power approximately 13,000 average Ontario homes
- Ancillary facilities that include an access road, powerhouse, dam, electrical lines, and substation
- A hydroelectric plant that helps Ontario achieve its target of 10% power production from renewable sources by 2010

45 MW Pingston Hydroelectric Plant, British Columbia

Island Falls Hydroelectric Project

60960108_OH1_05.cdr

Why is Yellow Falls Power building here?

- The Ontario Government is seeking to meet renewable energy targets and is encouraging the private sector to build and operate renewable energy facilities powered by water, wind, and solar

- The Mattagami River at Island Falls has predictable water flow due to controlled outflow from the Lower Sturgeon Generating Station

- The location maximizes generation capacity of the plant, minimizes construction and operating costs, and reduces the potential for adverse environmental effects

1.4 MW Appleton Hydroelectric Plant, Ontario

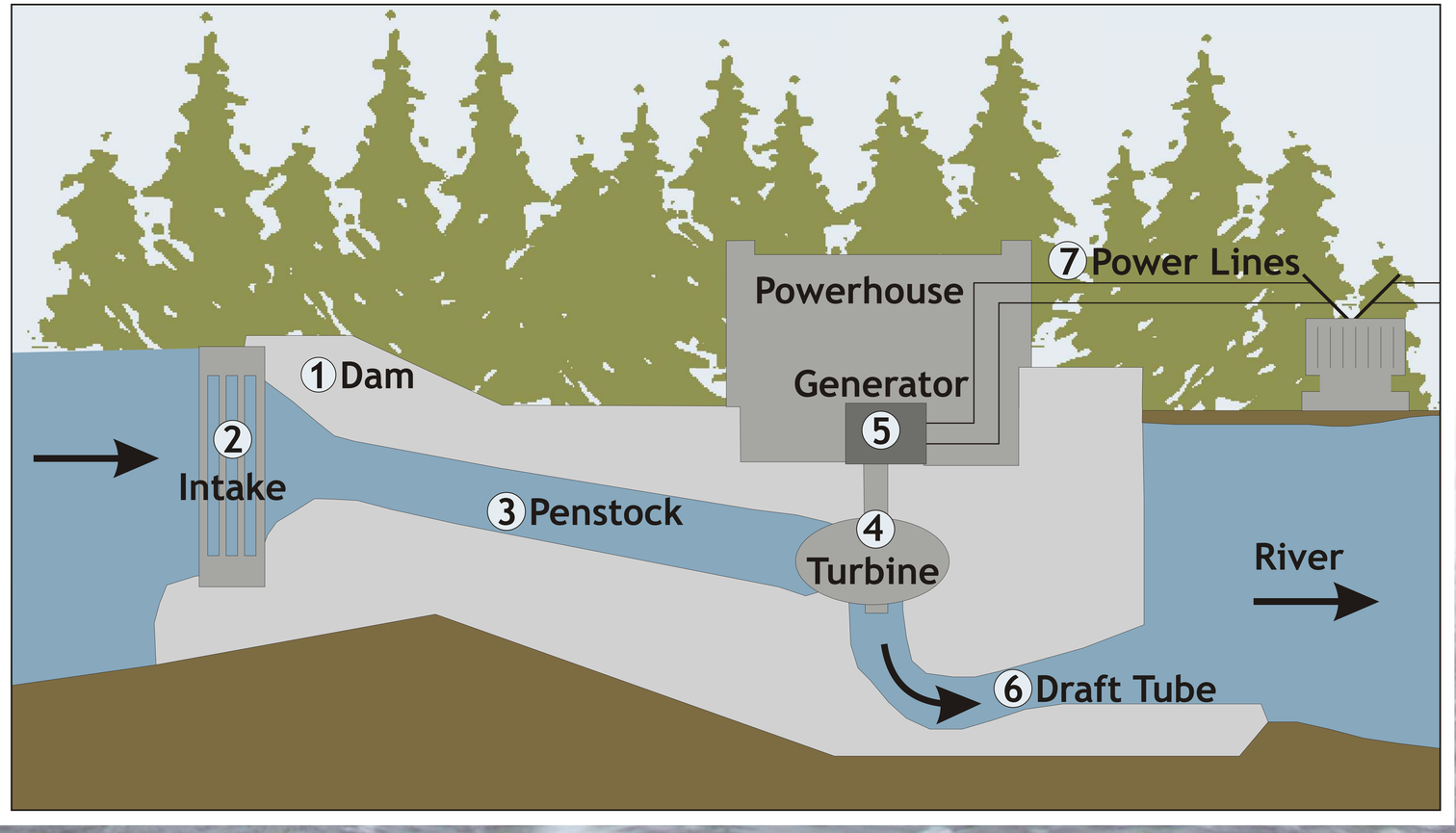
Island Falls Hydroelectric Project

60960108_OH1_09.cdr

How does a run-of-river hydro plant work?

Run-of-river hydro plants have a negligible effect on river flows as compared to plants with reservoirs as excess water flows over the spillway and back to the river. The following are the common features of a run-of-river plant:

1. Dam - Increases the upstream level creating hydraulic pressure on the turbine.
2. Intake - Where water enters the plant. The intake will be equiped with a trashrack to help keep out debris.
3. Penstock - A pipe that conveys water under pressure from the intake to the turbine.
4. Turbine - A waterwheel turned by the pressure and flow of the water.
5. Generator - The shaft of the turbine turns the generator, which generates the electricity.
6. Draft Tube - Conveys water from the turbine back to the river.
7. Transmission Lines - Carry the electricity to the provincial grid.



Island Falls Hydroelectric Project

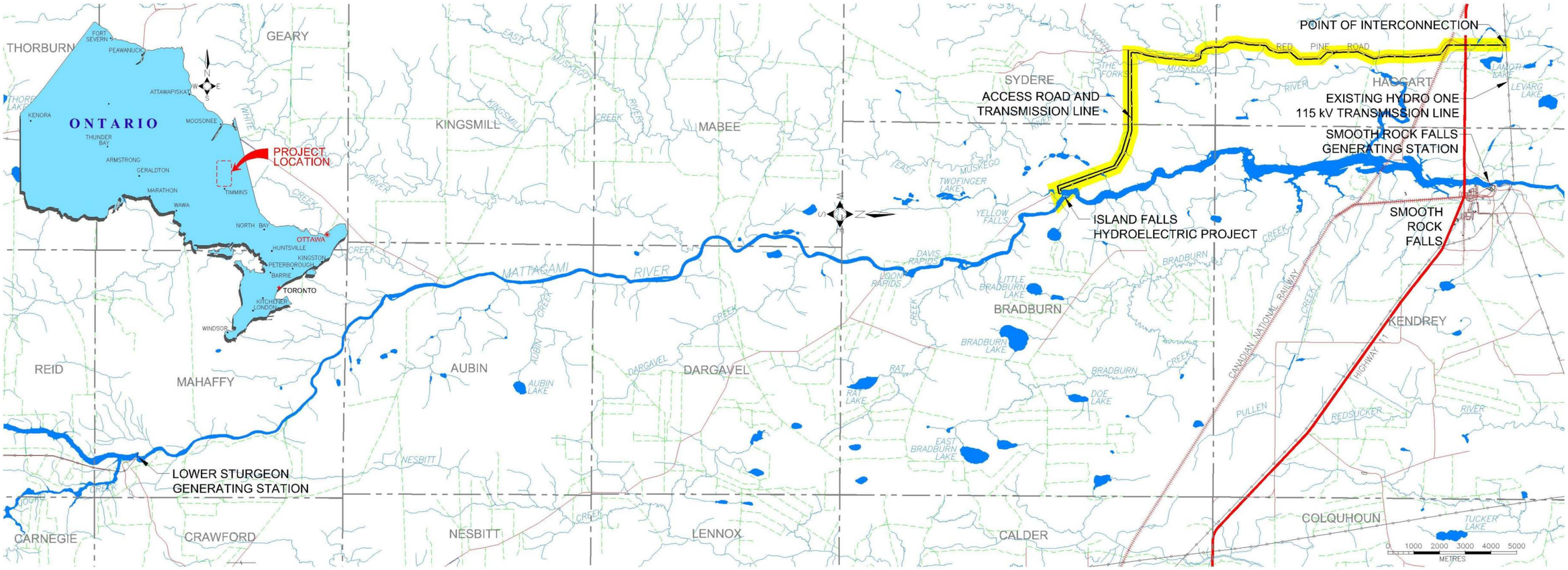
60960108_OH1_12.cdr

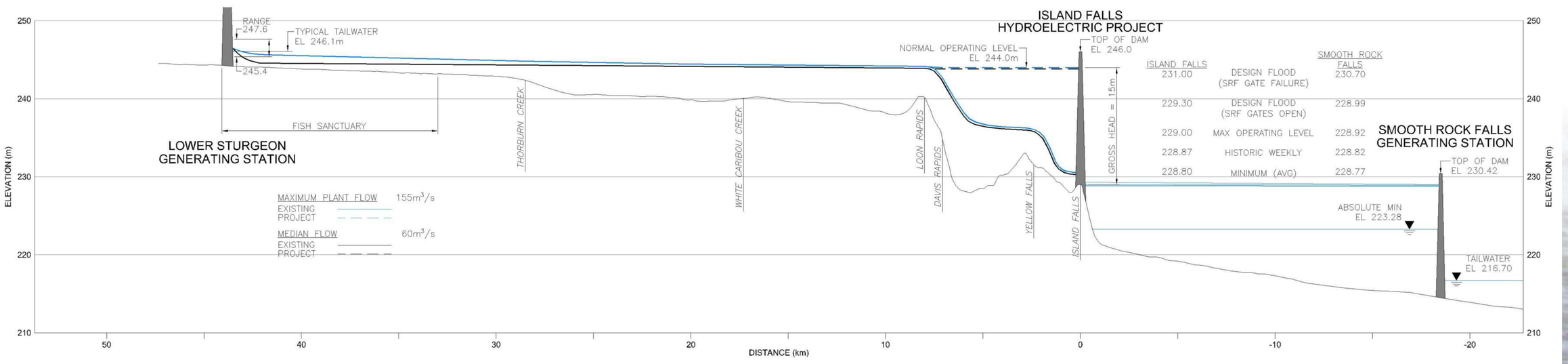
What is Yellow Falls Power planning to build?

Yellow Falls Power LP

Stantec

Project Area



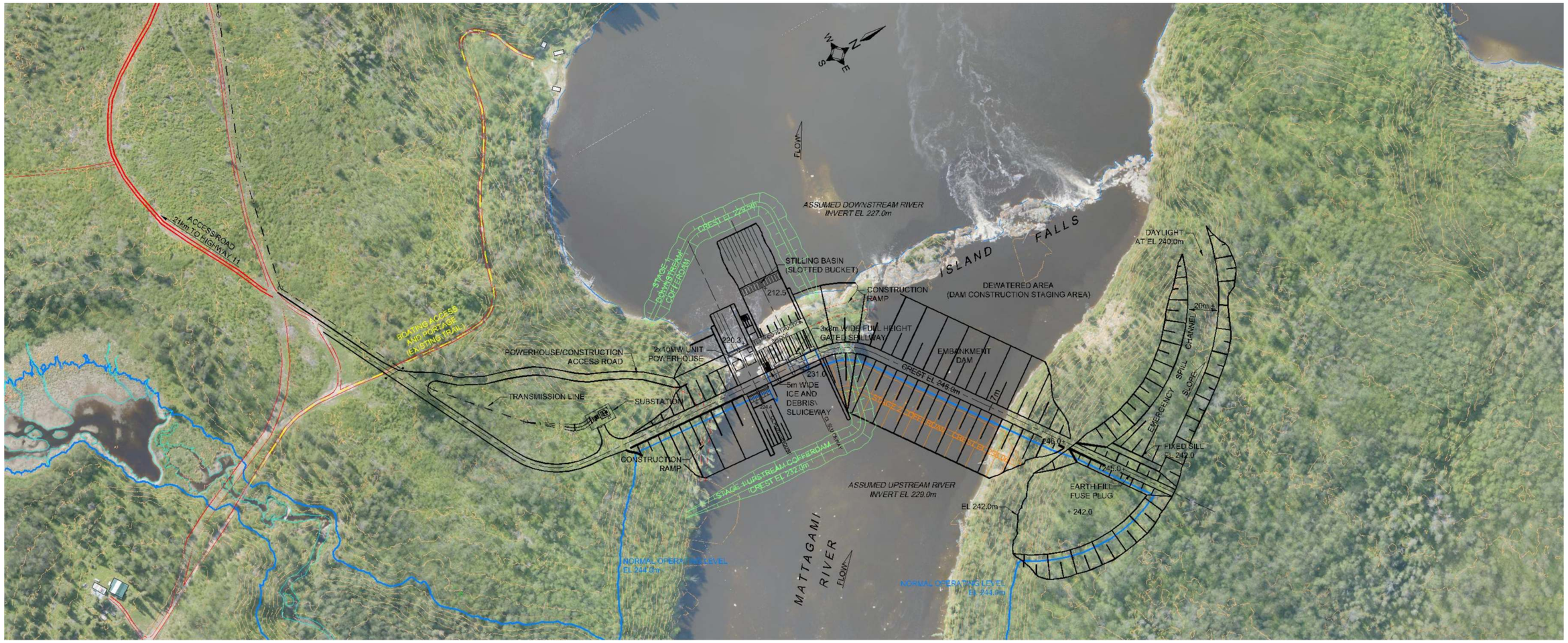


Island Falls Hydroelectric Project

60960108_OH1_19.cdr

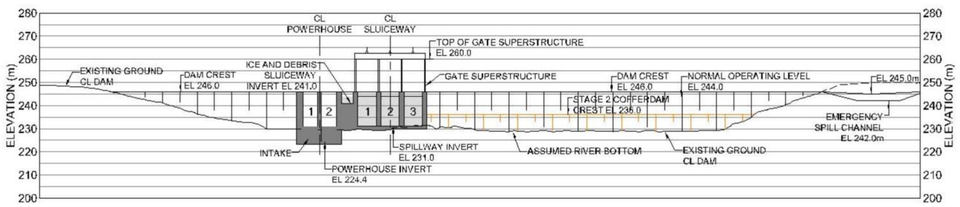
What is Yellow Falls Power planning to build?

Project Layout



PLAN

0 20 40 60 80 100
METRES



PROFILE

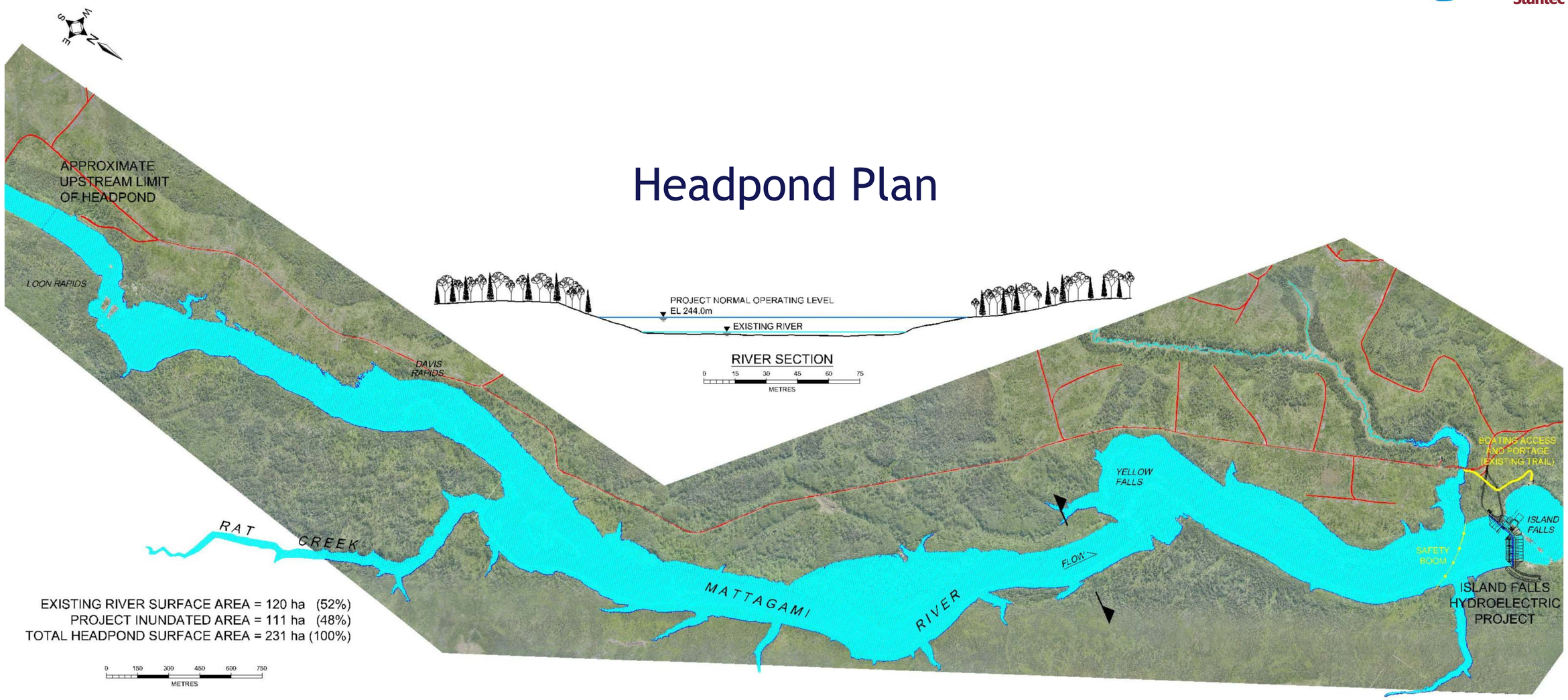
0 20 40 60 80 100
METRES

Island Falls Hydroelectric Project

60960108_OH1_18.cdr

What is Yellow Falls Power planning to build?

Headpond Plan

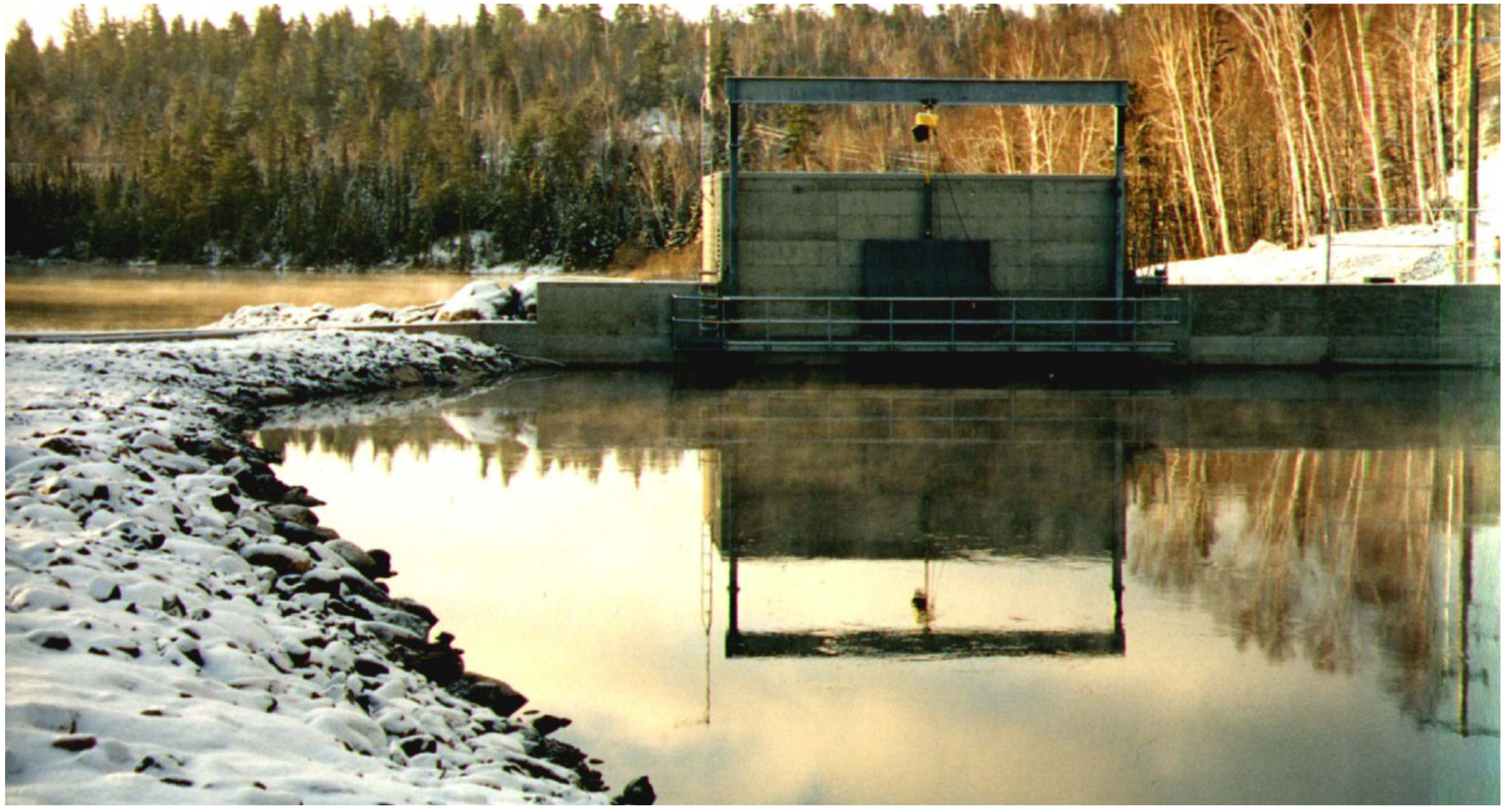


Island Falls Hydroelectric Project

60960108_OH1_08.cdr

Benefits of run-of-river hydroelectricity

- Hydroelectricity is highly reliable and very efficient
- Run-of-river hydroelectric generation does not produce air pollution
- Hydroelectricity is associated with few environmental effects compared with fossil fuel electricity generation
- Run-of-river hydroelectric generation does not contribute to global climate change
- Run-of-river hydro plants, like the one proposed for Island Falls, have a negligible effect on existing water flows during their operation



1.3 MW Moose Rapids Hydroelectric Plant, Ontario

Island Falls Hydroelectric Project

60960108_OH1_14.cdr

What's an Environmental Screening Process (ESP)?

- The Environmental Screening Process, or ESP, is a process established by the Ontario Ministry of the Environment for electricity projects under Ontario Regulation 116/01 of the *Environmental Assessment Act*
- The ESP is a detailed planning process that works best when local stakeholders get involved
- The planning process will help Yellow Falls Power design a project that provides for the protection, conservation, and wise management of the environment
- The ESP includes studies of the natural environment (such as fish and fish habitat, wildlife, vegetation), the socio-economic environment (such as recreation, employment and land use), and the physical environment (such as soils, climate, water quality)





Island Falls Hydroelectric Project

60960108_OH1_10.cdr

How will the ESP affect plans for this project?

The ESP will identify any measures that might be necessary to protect or mitigate potentially adverse effects. These measures will be incorporated during design and construction and may include measures for protecting such things as:

- Fish and fish habitat
- Water quality
- Trees and other vegetation
- Wildlife

The ESP might also identify measures for enhancing the potential environmental, social, and economic benefits of the project.

1.6 MW Galetta Hydroelectric Plant, Ontario

What are the Waterpower Program Guidelines (WPPG)?

- The WPPG is administered by the Ontario Ministry of Natural Resources (MNR)
- The WPPG is a comprehensive process used for approvals under Ontario's Lakes and Rivers Improvement Act and includes:
  - Application Information Package - includes preliminary information on the project concept including a project description and location, technical information on project hydrology, power production estimates, operational information, and results of initial site investigations. Successful completion of this step results in the MNR requesting a Project Information Package
  - Project Information Package - information requirements for this step are considerably more detailed and generally require preparation of detailed engineering design drawings and environmental studies. Successful completion of this step ultimately leads to Location Approval for the project.
- YFP is undertaking the work required for the WPPG concurrently with that of the ESP

What is the *Canadian Environmental Assessment Act* (CEAA)?

- CEAA is a federal environmental process overseen by the Canadian Environmental Assessment Agency
- CEAA applies to projects where the federal government has decision-making authority such as issuing a permit or approval, providing funding, or allocating land
- Planning for the Island Falls Hydroelectric Project addresses CEAA's guiding principles:
  - achieving sustainable development through high quality environmental assessment
  - integrating environmental factors into planning and decision-making processes
  - anticipating and preventing degradation of environmental quality
  - undertaking stakeholder participation
- YFP is fulfilling the requirements of CEAA concurrently with the provincial ESP

What will be happening next?

Project planning is on-going and the work ahead includes:

2006 Spring:
- Collect your ideas, comments, and suggestions from this Open House
- Conduct field inventories and sampling (e.g., fisheries, vegetation, birds)
- Continuation of Environmental Screening Process
- Project engineering work

2006 Summer:
- Continue environmental field inventories and sampling
- Field engineering surveys and geotechnical investigations
- Detailed engineering design
- Second Public Open House to provide an update on project status and design

2006 Fall:
- Complete environmental field inventories and sampling
- Complete Environmental Review Report
- Complete engineering design

2007:
- Receive final project approvals and authorizations
- Start construction

2008:
- Complete construction
- Project in-service and producing renewable energy

Island Falls Hydroelectric Project

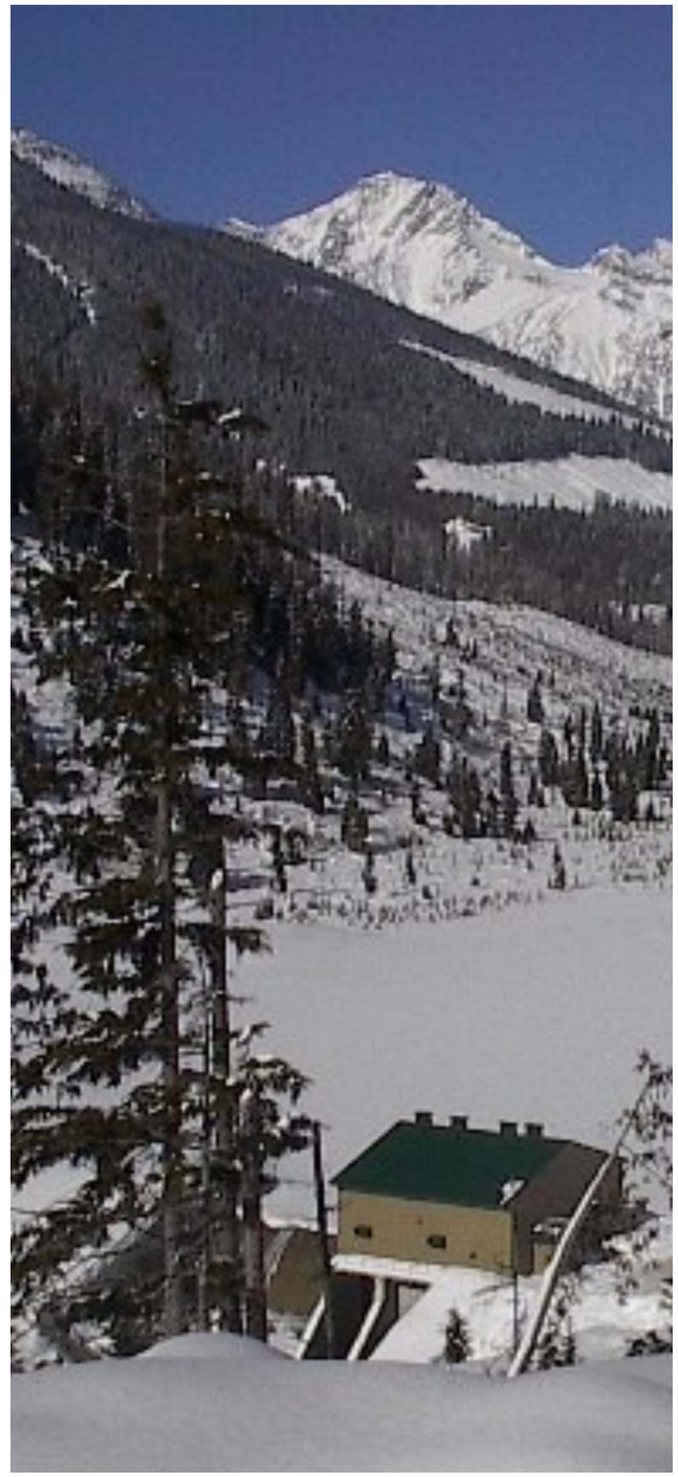
60960108_OH1_13.cdr

We need your input!

- Your input is a key component of the ESP
- Please fill out a comment card
- How you can reach us:
  - Website (www.islandfallshydro.com)
  - Email (comments@islandfallshydro.com)
  - Fax (519-836-2493)
  - Phone (519) 836-6050 (call collect)
  - Mail:

Rob Nadolny
Senior Project Manager
Stantec Consulting Ltd.
361 Southgate Drive
Guelph, Ontario
N1G 3M5

Geoff Carnegie
Manager, Ontario Projects
Yellow Falls Power LP
c/o 52 Hilldale Crescent
Guelph, Ontario
N1G 4B8



45 MW Pingston Hydroelectric Plant, British Columbia

Island Falls Hydroelectric Project

We welcome your comments.

Please feel free to use this form to submit your comments to the accompanying address.

Why your calling yourself the yellow Falls power when your gonna completely erase theses Fall's Forever ?
Can I suggest
Submerge Falls project

Rob Nadolny
Senior Project Manager
Island Falls Hydroelectric Project
Stantec Consulting Ltd.
361 Southgate Drive
Guelph, Ontario N1G 3M5

We welcome your comments.

Please feel free to use this form to submit your comments to the accompanying address.

I cannot believe that you're ready to destroy Island, yellow falls and the fish spawning beds in that area for a possible of twenty megs. of power which will probly be around twelve megs. average year round. Pathetic! upgrade Harmon, Smokey, Kipling to a total of four hundred megs- the damage is done / No to Island Falls Project!! there already!

Sue Brown

Rob Nadolny
Senior Project Manager
Island Falls Hydroelectric Project
Stantec Consulting Ltd.
361 Southgate Drive
Guelph, Ontario N1G 3M5

We welcome your comments.

Please feel free to use this form to submit your comments to the accompanying address.

Mankind's appetite for Profit. You would think they would see to maximizing ~~with~~ the output of existing dams before destroying what is left of our wilderness. When will government wake up?

Rob Nadolny
Senior Project Manager
Island Falls Hydroelectric Project
Stantec Consulting Ltd.
361 Southgate Drive
Guelph, Ontario N1G 3M5

We welcome your comments.

Please feel free to use this form to submit your comments to the accompanying address.

You will flood the most beautiful part of the river and distroy probably the best spaning bed on the Mattagami river. We have every thing to Lose and nothing to gain.

Rob Nadolny
Senior Project Manager
Island Falls Hydroelectric Project
Stantec Consulting Ltd.
361 Southgate Drive
Guelph, Ontario N1G 3M5

We welcome your comments.

Please feel free to use this form to submit your comments to the accompanying address.

Why does the north have to suffer for the big cities?

By flooding you will kill plants, small animals therefore disturbing the environment balance. The most ~~beauty~~ beautiful scene of our river will be gone. For what? Do we need it?

Rob Nadolny
Senior Project Manager
Island Falls Hydroelectric Project
Stantec Consulting Ltd.
361 Southgate Drive
Guelph, Ontario N1G 3M5

We welcome your comments.

Please feel free to use this form to submit your comments to the accompanying address.

I am definetly against the construction of this hydro dam because it will destroy what is probebly the best fish reproducing stretch of the Mattagami river south of Smooth Rock Falls. Secondly, Island Falls offers natural scenery that will dissapear if this project becomes reallity.

Rob Nadolny
Senior Project Manager
Island Falls Hydroelectric Project
Stantec Consulting Ltd.
361 Southgate Drive
Guelph, Ontario N1G 3M5

We welcome your comments.

Please feel free to use this form to submit your comments to the accompanying address.

I WAS led to beleive before the public meeting that this was to be a small run threw dam. Studying the charts I realized ISLAND-YELLOW-BOOM FALLS-DAVIS RAPIDS would be submerged forever, destroying prime and essential spawning beds plus numerous creeks of spawning habitant. Mattagami already a crippled river from dam projects hanging on to a precious 40 mile section. The Island falls project preparing to strike a fatal blow to the heart of this section of abundant fish wildlife & natural beauty.
MY COMMENT: NEVER!

Rob Nadolny
Senior Project Manager
Island Falls Hydroelectric Project
Stantec Consulting Ltd.
361 Southgate Drive
Guelph, Ontario N1G 3M5

We welcome your comments.

Please feel free to use this form to submit your comments to the accompanying address.

060310 06 16 M4L 3T0 070

www.canadapost.ca
www.postescanada.ca

Rob Nadolny
Senior Project Manager
Island Falls Hydroelectric Project
Stantec Consulting Ltd.
361 Southgate Drive
Guelph, Ontario N1G 3M5

We welcome your comments.

Please feel free to use this form to submit your comments to the accompanying address.

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

Place stamp here

Rob Nadolny
Senior Project Manager
Island Falls Hydroelectric Project
Stantec Consulting Ltd.
361 Southgate Drive
Guelph, Ontario N1G 3M5

We welcome your comments.

Please feel free to use this form to submit your comments to the accompanying address.

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

D60314 07:39 M4L 3T0 047

Place stamp here

www.postescanada.ca

Rob Nadolny
Senior Project Manager
Island Falls Hydroelectric Project
Stantec Consulting Ltd.
361 Southgate Drive
Guelph, Ontario N1G 3M5

We welcome your comments.

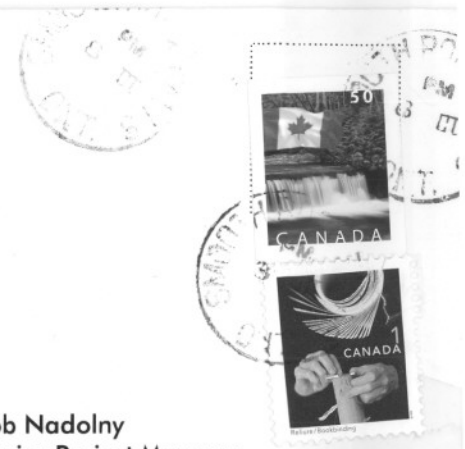
Please feel free to use this form to submit your comments to the accompanying address.

Place stamp here

Rob Nadolny
Senior Project Manager
Island Falls Hydroelectric Project
Stantec Consulting Ltd.
361 Southgate Drive
Guelph, Ontario N1G 3M5

We welcome your comments.

Please feel free to use this form to submit your comments to the accompanying address.



Rob Nadolny
Senior Project Manager
Island Falls Hydroelectric Project
Stantec Consulting Ltd.
361 Southgate Drive
Guelph, Ontario N1G 3M5

We welcome your comments.

Please feel free to use this form to submit your comments to the accompanying address.

Can't believe that a Calgary base company will get away and profit from destroying the most beautiful landmark in our back yard thus depriving us with tremendous spawning areas. No long term jobs will be created. Another big lost for the community! After the construction we will be left in the cold and you guys making mega profit at our expense

060321 08:58 M4L 3T0 048
www.canadapost.ca
www.postescanada.ca

Rob Nadolny
Senior Project Manager
Island Falls Hydroelectric Project
Stantec Consulting Ltd.
361 Southgate Drive
Guelph, Ontario N1G 3M5

We welcome your comments.

Please feel free to use this form to submit your comments to the accompanying address.

I am unable to support this project based on the apparent misrepresentation of information. To call a 50' power dam a "run of river" dam is a false statement. Consequently, the creation of a reservoir upstream will cause destruction to 3 beautiful sets of falls and a set of rapids. As a result, important spawning areas and vital areas of oxygenation will be compromised. This project provides no benefits to this community and it is an insult that we are provided with false information with which we are to form our opinions.

080321 06:58 M4L 3T0 048

www.canadapost.ca

www.postescanada.ca

CANADA

Rob Nadolny
Senior Project Manager
Island Falls Hydroelectric Project
Stantec Consulting Ltd.
361 Southgate Drive
Guelph, Ontario N1G 3M5

We welcome your comments.

Please feel free to use this form to submit your comments to the accompanying address.

This area is the cradle of the mattagami river, this is where all the major spawning beds are for walleye. This area is the main supplier of fish above Smooth Rock. This project will destroy Angling cause we will be stuck between two dams.

Rob Nadolny
Senior Project Manager
Island Falls Hydroelectric Project
Stantec Consulting Ltd.
361 Southgate Drive
Guelph, Ontario N1G 3M5

We welcome your comments.

Please feel free to use this form to submit your comments to the accompanying address.

-Dear Sir,

As A proud citizen and member of our local Anglers + Hunters Club in S.R.Falls; I sincerely do not agree with this project which will destroy majestic scenery and landmarks that has been enjoyed by so many people for so many generations. Should the people of the community suffer the loss of such beauty for a project that the town of Smooth Rock Falls and surrounding areas will never benefit from? This is why I feel I have to voice my concerns. Yours Truly, Child

Rob Nadolny
Senior Project Manager
Island Falls Hydroelectric Project
Stantec Consulting Ltd.
361 Southgate Drive
Guelph, Ontario N1G 3M5

We welcome your comments.

Please feel free to use this form to submit your comments to the accompanying address.

AT THE FIRST STAGE OF THE PROJECT IT WAS SUPPOSE TO BE A FREE FLOW PROJECT. NOW IT IS SAID IT WILL BLOCK AND RAISE THE LEVEL UP TO CLOSE TO 50 ft. I WOULD LIKE TO SEE A BETTER FISH SURVEY OF THE AREA BEFORE IT IS DONE. WITH MY PAST EXPERIENCE THE SAME SET up WAS INSTALL ON THE GROUND HOG RIVER AND THE FISHING SINCE THEN ~~the~~ EVENT DOWN. WE ARE HARDLY CATCHING FISH LIKE WE USE TOO.

060419 06:47 M4L 3T0 048

www.canadapost.ca
www.postescanada.ca

ART CANADA 51

Rob Nadolny
Senior Project Manager
Island Falls Hydroelectric Project
Stantec Consulting Ltd.
361 Southgate Drive
Guelph, Ontario N1G 3M5

We welcome your comments.

Please feel free to use this form to submit your comments to the accompanying address.

go ahead, give me information on Job availability

Place stamp here

Rob Nadolny
Senior Project Manager
Island Falls Hydroelectric Project
Stantec Consulting Ltd.
361 Southgate Drive
Guelph, Ontario N1G 3M5

We welcome your comments.

Please feel free to use this form to submit your comments to the accompanying address.

Hey. I've been living in Smooth Rock Falls for 53 years and fishing is one of my favourite pastimes. The river is the only place where I can launch my boat near the community. I fish Island Falls most of the time. Thank you for denying me access there for the rest of my life!

Rob Nadolny
Senior Project Manager
Island Falls Hydroelectric Project
Stantec Consulting Ltd.
361 Southgate Drive
Guelph, Ontario N1G 3M5

We welcome your comments.

Please feel free to use this form to submit your comments to the accompanying address.

1 BOAT ACCESS TO TOP OF DAM FOR FISHING AND HUNTING -

2 KEEP A CLOSE WATCH ON MERCURY LEVEL AT DISCHARGE OF DAM AND REPORT TO SMOOTH ROCK FALLS RESIDENTS

Rob Nadolny
Senior Project Manager
Island Falls Hydroelectric Project
Stantec Consulting Ltd.
361 Southgate Drive
Guelph, Ontario N1G 3M5

We welcome your comments.

Please feel free to use this form to submit your comments to the accompanying address.

① Will Their Be A Fish Ladder
② A Boat Launching
③ Can hunters hunt on The Road & River
④ A Parking For Five or six vehicles At The Turn off Mileage Eight. (gravel parking opened in winter)
⑤ Will The ATV Bridge At mileage SEVEN Be Relocated At hunters & anglers request Because it wont be usful anymore Thanks

Rob Nadolny
Senior Project Manager
Island Falls Hydroelectric Project
Stantec Consulting Ltd.
361 Southgate Drive
Guelph, Ontario N1G 3M5

We welcome your comments.

Please feel free to use this form to submit your comments to the accompanying address.

I AM OPPOSED TO THIS PROJECT

(1) IT WILL DESTROY THE FISHING IN OUR RIVER

(2) PEOPLE WILL NO LONGER BE ABLE TO CAMP ON THE ISLAND WITH THEIR FAMILIES

(3) IT WILL DESTROY THE SPAWNING BEDS ABOVE ISLAND FALLS

(4) IT WILL KILL THE WILD LIFE BY FLOODING THER ABITANT

(5) IT IS A BEAUTIFUL AREA THAT I ENJOY WITH MY FAMILY

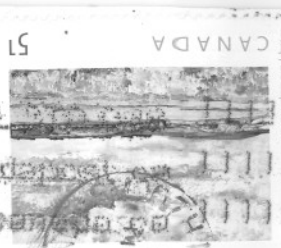
LEAVE IT ALONE

Rob Nadolny
Senior Project Manager
Island Falls Hydroelectric Project
Stantec Consulting Ltd.
361 Southgate Drive
Guelph, Ontario N1G 3M5

We welcome your comments.

Please feel free to use this form to submit your comments to the accompanying address.

~~You~~ I am totally against this project because you will be destroying prime fish habitat and spawning area, M.N.R. shouldn't turn a blind eye on this construction (destruction); it will kill more fish than angling did in the last 50 years. Through government grants our local sportsmen clubs as erect two bridges so locals could access this popular area only to be denied enjoyable angling. I understand that the province of Ontario is in urgent need of energy but construction this ~~size~~ size should be done in area of low impact to fishery,



Rob Nadolny
Senior Project Manager
Island Falls Hydroelectric Project
Stantec Consulting Ltd.
361 Southgate Drive
Guelph, Ontario N1G 3M5

We welcome your comments.

Please feel free to use this form to submit your comments to the accompanying address.

I don't Agree to Build this Dam Because it's the only good place to fish AND it's a beautiful Falls Island & Yellow. It will destroy the fishing Because of flood water Above on the RAPIDS, AND during construction Below water will be Dirty

060324 06:16 M4L 3T0 047

www.postescanada.ca

CANADA

Rob Nadolny
Senior Project Manager
Island Falls Hydroelectric Project
Stantec Consulting Ltd.
361 Southgate Drive
Guelph, Ontario N1G 3M5

We welcome your comments.

Please feel free to use this form to submit your comments to the accompanying address.

There ARE other spots to do this. We ARE limite for fishing place here in the North. It will harm the spawning AND "OUR" DRINKING WATER during the construction of DAM. Its A "Beautiful" nature Falls & RAPIDS that many People use so let's NOT DESTROYED it

060324 08:16 M4L 3T0 047

www.pcpostescanada.ca

CANADA

Rob Nadolny
Senior Project Manager
Island Falls Hydroelectric
Stantec Consulting Ltd.
361 Southgate Drive
Guelph, Ontario N1G 3M5

We welcome your comments.

Please feel free to use this form to submit your comments to the accompanying address.

- I have worries about the two trout lakes (west of proposed dam), will the 50ft of flooding be enough to pollute the fresh water springs feeding these lakes
- We are just starting to catch small mouth bass @ island and yellow falls — have the environmental studdies taken this in consideration — will it ruin the environment for these species

Place stamp here

Rob Nadolny
Senior Project Manager
Island Falls Hydroelectric Project
Stantec Consulting Ltd.
361 Southgate Drive
Guelph, Ontario N1G 3M5

We welcome your comments.

Please feel free to use this form to submit your comments to the accompanying address.

- GOOD PRESENTATION.
- I WOULD APPRECIATE COPIES OF
① THE PROJECT AREA MAP - AS DISPLAY.
② COPY OF THE TIMELINES 2006 - 2008 AS ON DISPLAY.
③ WITH MY OWN TECHNICAL BACK-GROUND I WOULD LIKE TO BE KEPT UP TO DATE ON THE TECHNICAL DATA OF ALL THE ENVIRO. ASPECTS (IF AVAILABLE PRIOR TO FINISHED REPORTS)

Thanks, Mirko Vitali.

Place stamp here

Rob Nadolny
Senior Project Manager
Island Falls Hydroelectric Project
Stantec Consulting Ltd.
361 Southgate Drive
Guelph, Ontario N1G 3M5

We welcome your comments.

Please feel free to use this form to submit your comments to the accompanying address.

Where the F--- are the southerners & Greenpeace when you need them. They conal the spring bear hunt, they want to bring there F----garbage north and now they want to destroy our rivers. Give me one bit of common sense in that. I am Totaly pissed and this is a disgrace for mankind to destroy such beauty. I remain.

060321 06:58 M4L 3T0 048

www.canadapost.ca

www.postescanada.ca

CANADA

Rob Nadolny
Senior Project Manager
Island Falls Hydroelectric Project
Stantec Consulting Ltd.
361 Southgate Drive
Guelph, Ontario N1G 3M5

We welcome your comments.

Please feel free to use this form to submit your comments to the accompanying address.

LIMITS WERE IMPLEMENTED TO PREVENT OVER FISHING THIS PROJECT WILL DESTROY MORE FISH, FISH HABITAT AND SPAWNING AREA THAN ANGLING DID IN THE LAST "75" YEARS.

080321 08:58 M4L 3T0 0[illegible]

www.canadapost.ca

www.postescanada.ca

Rob Nadolny
Senior Project Manager
Island Falls Hydroelectric Project
Stantec Consulting Ltd.
361 Southgate Drive
Guelph, Ontario N1G 3M5

We welcome your comments.

Please feel free to use this form to submit your comments to the accompanying address.

There is lots of places to build those dams without coming near towns or fishing holes that has been our heritage for 100 years. This will upset major spawning & fish habitats. Smooth Rock Falls have nothing to gain and everything to lose with this project. Your idea is ~~not~~ welcome.

Rob Nadolny
Senior Project Manager
Island Falls Hydroelectric Project
Stantec Consulting Ltd.
361 Southgate Drive
Guelph, Ontario N1G 3M5

We welcome your comments.

Please feel free to use this form to submit your comments to the accompanying address.

Sir -

have you ever had the opportunity to go fishing? Well, any one of these spots (falls or rapids) are a fishermen's delight. Just imagine sharing a day out doors with your little grandson, and sharing the experience with him.

If this project goes through we will never have the chance to do this again.

Thank you

Rob Nadolny
Senior Project Manager
Island Falls Hydroelectric Project
Stantec Consulting Ltd.
361 Southgate Drive
Guelph, Ontario N1G 3M5

We welcome your comments.

Please feel free to use this form to submit your comments to the accompanying address.

Here are some of my views & opinions on this project,
- Total destruction of three beatiful falls, one set of rapids, fish spawning area (MAJOR), access to great fishing (lost forever). The area & town has absolutely nothing to gain from this destruction (not construction.) There is another northern resource being lost to the southern guzzlers of resources & energy. We want to keep our treasures just like they are.

Blaise Stanley

Rob Nadolny
Senior Project Manager
Island Falls Hydroelectric Project
Stantec Consulting Ltd.
361 Southgate Drive
Guelph, Ontario N1G 3M5

We welcome your comments.

Please feel free to use this form to submit your comments to the accompanying address.

IS THERE GOING TO BE A BOAT LAUNCH ABOVE THE DAM?

Rob Nadolny
Senior Project Manager
Island Falls Hydroelectric Project
Stantec Consulting Ltd.
361 Southgate Drive
Guelph, Ontario N1G 3M5