Information Technology for Inuit EIA Participation

IAIA 2015: Impact Assessment in the Digital Era
Firenze, IT, April 21, 2015

Authors: Barry, R. W.; Blazevic, V.; Hanson Main, A.; and Tatarelli, C.
Area > 2,000,000 km²
1/5 of Canada
• Population ≈ 36,700
  – > 80% Inuit
• 25 communities
  – Air access only
• 4 official languages:
  – English
  – French
  – Inuktitut
  – Inuinnaqtun
• Limited internet bandwidth availability
Nunavut Regulatory System

• Development proposals must satisfy the requirements of:
  – Land use planning
  – Environmental Impact Assessment
  – Water and Land Use Licensing
NIRB Mandate

- Screen project proposals to determine whether or not a review is required
- Gauge and define the extent of regional impacts
- Review ecosystemic and socio-economic impacts of project proposals
- Determine whether project proposals should proceed, and if so, under what terms and conditions
- Monitor projects that have been approved to proceed

- Nunavut Settlement Area & Outer Land Fast Ice Zone
- Transboundary Impacts
Nunavut = ‘Our Land’

- Nunavut has a modern, constitutionally-protected environmental impact assessment process
- Public consultation, oral traditions, traditional knowledge are key elements of Nunavut process
- Transparency and accountability are also key elements of Nunavut process
  – all documents are posted online in a public registry
Out with the Old...

ftp.nirb.ca - /

Thursday, February 26, 2015 10:13 AM  <dir> 01-SCREENINGS
Wednesday, January 09, 2013 12:49 PM  <dir> 02-REVIEWS
Thursday, January 29, 2015 12:55 PM  <dir> 03-MONITORING
Friday, April 05, 2013  5:00 PM  <dir> 04-GUIDES
Wednesday, April 23, 2014  2:40 PM  <dir> 05-FORMS
Wednesday, September 22, 2010  2:14 PM  <dir> 06-RULES
Tuesday, October 28, 2014  9:08 AM  <dir> 07-GENERAL
Wednesday, November 26, 2014  11:44 AM  <dir> 08-STRATEGIC PLAN
Friday, April 17, 2015  4:37 PM  <dir> 09-ADMINISTRATION
Tuesday, January 20, 2015  10:41 AM  <dir> 10-NUNAVUT MARINE COUNCIL
Thursday, September 23, 2010  2:41 PM  <dir> aspnet_client

ftp.nirb.ca - /02-REVIEWS/ACTIVE REVIEWS/09MN003-AREVA KIGGAVIK/2-REVIEW/

[To Parent Directory]
Thursday, September 16, 2010  5:04 PM  <dir> 01-SCREENING DECISION
Monday, March 02, 2015 11:35 AM  <dir> 02-GENERAL CORRESPONDENCE
Thursday, September 16, 2010  5:05 PM  <dir> 03-PARTICIPANT FUNDING
Thursday, September 16, 2010  5:07 PM  <dir> 04-SCOPING & GUIDELINES
Thursday, November 14, 2013  3:30 PM  <dir> 05-COMMUNITY CONSULTATIONS
Wednesday, December 21, 2011  4:02 PM  <dir> 06-DRAFT EIS & CONFORMITY REVIEW
Thursday, May 23, 2013 11:56 AM  <dir> 07-IRS & TECHNICAL REVIEW
Monday, November 25, 2013  1:48 PM  <dir> 08-TECH MEETING & PHC
Friday, October 03, 2014  10:23 AM  <dir> 09-FINAL EIS
Wednesday, November 12, 2014  11:42 AM  <dir> 10-FINAL HEARING
Thursday, September 16, 2010  5:07 PM  <dir> 11-FINAL HEARING DECISION
Thursday, September 16, 2010  5:07 PM  <dir> 12-PROJECT CERTIFICATE
Thursday, September 16, 2010  5:07 PM  <dir> 13-MONITORING
Thursday, September 23, 2010  10:42 AM  <dir> 14-MISC
The Challenge

• Improve public access and encourage participation in EIA through use of innovative technologies and tools
• Make it easier to find content of interest, track project assessments, comment online, track EA participation deadlines and receive notifications
• Respect language requirements and oral tradition
• Put more administrative power/responsibility into the hands of public and proponents
The Challenge

- Take advantage of satellite imagery, use tools like google map that people are already familiar with
- Make the site more visual, allow for map-based searches, process flowcharts, calendar features
- Provide increased access to resources to facilitate effective participation
- Address bandwidth limitations
- Increase linkages to other regulatory agencies
... and in with the New!

- New documents added to public registry are highlighted with quick links
- A new calendar feature assists with tracking important dates
Tracking Tools
Create an Account

Fields marked * are mandatory.

I will be submitting a Project Proposal.  

Salutation

Name *

Company

Phone Number *

Fax

Email *

Password

Confirm Password

Address *

City *

Territory / Province / State *

Postal Code *

Country * admin

IMPORTANT:
Do not check the box unless you will be submitting a Project Proposal.
Customized Accounts

My Account

My Projects  Projects I follow  My Profile

Name  Cesare Tatarella
Company  Strata360
Phone Number  5149373113
Fax
Email  ctatarella@gmail.com
Address  1001 Lenoir
City  Montreal
Territory / Province / State  Quebec
Postal Code  h4c2z6
Country  Canada
New Password
Confirm

Notification Settings
These notification parameters are global. You will receive notifications for all projects that match your selected criteria.

Project Type
- Access
- Access Road
- Camp
- Defence
- Exploration
- Fuel
- Ice Drilling
- Infrastructure
- National Park
- Power Plant
- Quarry
- Tourism
- Road/Trail
- Space
- Research
- Water
- Remediation
- Other

Region
- Transboundary
- Kivalliq
- North Baffin
- South Baffin

My Account

My Projects  Projects I follow  My Profile

[Create New Project Proposal]

ACTIVE SCREENING
[TLL011] No Activity Test - Lease Project February 25 (124384)
Applicant: Strata360
Project Type: E
Region: Transboundary
Last Updated: 2019-02-26
VIEW APPLICATION
Searchable Database
Searchable Database

Search Results: 120

**Project Location**
- Kivalliq (118)
- Transboundary (1)
- North Baffin (1)

**Project Type**
- Ice Drilling (1)
- Lease (3)
- Exploration (46)
- Road/Trail (13)
- Quarry (6)
- Research (35)
- Fuel (3)
- Camp (3)
- Infrastructure (4)
- Other (2)
- Access (3)
- Remediation (1)

**Assessment Status**
- Completed Screening (120)

124269 [97M01A007] - Four new fuel caches, new drill locations, Keewatin District
- **Applicant:** Inco Ltd.
- **Project Type:** Ice Drilling
- **Region(s):** Kivalliq
Individual Assessment Pages
Comment Form Tool

Comment Form for NIRB Screenings

The Nunavut Impact Review Board (NIRB) has a mandate to protect the integrity of the ecosystem for the existing and future residents of Nunavut. To assess the environmental and socio-economic impacts of the project proposal, NIRB would like to hear your concerns, comments and suggestions about the following project proposal application:

Project Proposal Title: Back River Project
Proponent: Sakina Gold & Silver Corp., Matthew Pickard
Location: Kitikmeot
Comments Due By: 2012-09-25
NIRB #: 12M1056

Indicate your concerns about the project proposal below:
- no concerns
- water quality
- terrain
- air quality
- wildlife and their habitat
- marine mammals and their habitat
- fish and their habitat
- other:

Please describe the concerns indicated above:

Do you have any suggestions or recommendations for this application?

Do you support the project proposal?
- Yes
- No

If you selected ‘other’ please list your additional concerns here:
Looking Ahead

• The Canadian Arctic presents unique challenges for modern environmental impact assessment

• The increased functionality of the NIRB’s new public registry is a large step forward into the digital age for our corner of the Arctic
Looking Ahead

• Future development under consideration includes:
  – Mapping tool for public comment submissions
  – Video clips from public meetings and hearings
  – Video public commenting tool
  – Considering what users tell us they want or need
Ryan Barry – Executive Director
Nunavut Impact Review Board
PO Box 1360
Cambridge Bay, NU
rbarry@nirb.ca