

Benson, Stacey HLTH:EX

From: Lambert, Tim HLTH:EX
Sent: Wednesday, July 17, 2013 1:25 PM
To: Benson, Stacey HLTH:EX
Subject: FW: RTA SO2 EEM Health Line of Evidence

Fyi - is this related?

take care

Timothy Lambert PhD.
Executive Director
Health Protection
P: 250-952-1987
BB: s.17
F:250-952-1713

From: Kosatsky, Tom [<mailto:Tom.Kosatsky@bccdc.ca>]
Sent: Monday, July 15, 2013 3:00 PM
To: McKenzie, Frazer B ENV:EX; 'Fortin, Nathalie (TI)'
Cc: [NHA] Oke, Barbara; 'Zettler, Shawn (RTA)'; Sharpe, Ian D ENV:EX; Weinstein, Ben ENV:EX; Williston, Patrick ENV:EX; Lambert, Tim HLTH:EX
Subject: RE: RTA SO2 EEM Health Line of Evidence

Hi Frazer,
To be clear.

I will ask one of our BCCDC staff to attend with respect to measurement of impacts on health.

We always work with the regional health authorities on issues like this.

So do remember to keep Barb Oke of Northern Health in the loop.

As to the broader issue of involvement of the Ministry of Health and support for health authorities, either regionally (Northern Health) or provincially (PHSA/BCCDC) in EIA/HIA, mandates and resources are currently being discussed.

Please cc Tim Lambert, Executive Director Health Protection to keep the MoH involved.

Thanks,
tom

Dr. Tom Kosatsky

Medical Director,
Environmental Health Services
Scientific Director,
National Collaborating Centre for Environmental Health
BC Centre for Disease Control
Ph: 604-707-2447
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Email: tom.kosatsky@bccdc.ca

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From: McKenzie, Frazer B ENV:EX [<mailto:Frazer.McKenzie@gov.bc.ca>]

Sent: July 15, 2013 2:49 PM

To: 'Fortin, Nathalie (TI)'

Cc: Kosatsky, Tom; [NHA] Oke, Barbara; 'Zettler, Shawn (RTA)'; Sharpe, Ian D ENV:EX; Weinstein, Ben ENV:EX;

HTH-2013-00187
Page 1

Williston, Patrick ENV:EX

Subject: RTA SO2 EEM Health Line of Evidence

Hi Nathalie,

For the workshop you are scheduling in September for the 10th or 11th for the Health line of evidence, please be advised that someone from the BC Centre for Disease Control (BC CDC) will be in attendance. The primary contact for this agency on this matter is Tom Kosatsky. There might also be someone in attendance from the Northern Health Authority (NHA) and the Ministry of Health, but Ian Sharpe has arranged that Tom Kosatsky will work with these other agencies and determine who will attend the workshop to represent these three provincial agencies. In the meantime, please include both Tom Kosatsky and Barbara Oke (NHA) on any invites, agenda setting, etc. for the Health workshop. Mr. Kotsatsky will identify any additional email addresses to include in your distribution list should there be any.

Also, further to your comment in our phone call Friday that there will be advance material to read and go through in preparation for the workshop, Ian has asked that I extend our appreciation for this approach to enable the attending provincial health agency staff an ability to fit this event into their busy schedules. As much lead time as possible for them to go through reading and preparatory material will help them in their tight schedules.

In terms of confirming a final date (September the 10th or 11th) and location, it might be best to set these and advise attendees as far in advance as possible.

Please contact me if you need clarification or assistance with any of the above.

Sincerely,

Frazer McKenzie, P.Eng.
Senior Environmental Protection Officer
Environmental Protection Division
BC Ministry of Environment
Skeena Region, Smithers
Office Phone: 250-847-7271
Cell Phone: s.17

Benson, Stacey HLTH:EX

From: Bailey, Scott EAO:EX
Sent: Friday, June 7, 2013 12:28 PM
To: Lambert, Tim HLTH:EX
Subject: FW: EAO/MoH/NHA phone call: Draft Notes for comment

Hi Tim,

I have not forgotten about my 'information request' for you. I have been delayed in a response.

This is a priority for EAO and I have elevated the need to provide a response - it will be discussed with our Associate DM as early as Monday, likely resulting in more of a corporate response than you would have received from me. I hope to get you something before long, but wanted you to know that this remains important and it is forthcoming.

I hope to be talking before too long.

Scott

Scott Bailey
Executive Project Director
BC Environmental Assessment Office
Phone: 250/356.1124
Cell: s.17
Email: scott.bailey@gov.bc.ca
<http://www.eao.gov.bc.ca/>

From: Bowering, David [David.Bowering@northernhealth.ca]
Sent: Monday, April 29, 2013 8:42 AM
To: Bailey, Scott EAO:EX; Lambert, Tim HLTH:EX; XT:HLTH Beck, Lucy; Janke, Brenda G HLTH:EX
Subject: RE: EAO/MoH/NHA phone call: Draft Notes for comment

Excellent summary. Thanks, Scott.

DB

From: Bailey, Scott EAO:EX [<mailto:Scott.Bailey@gov.bc.ca>]
Sent: Monday, April 29, 2013 8:33 AM
To: Lambert, Tim HLTH:EX; Bowering, David; Beck, Lucy; Janke, Brenda G HLTH:EX
Subject: EAO/MoH/NHA phone call: Draft Notes for comment

Hi folks,

I appreciated the call on Friday - thanks for helping us move towards clarity and certainty on the interplay between EAO, MoH and NHA with respect to the LNG projects.

Below I have tried to capture our discussion and actions from the call. Please review and let me know if I have captured things accurately.

Once final, I will send to a few folks on my team.

Thanks,

Scott

KEY MESSAGES

1. Northern Health Authority (NHA) does not have technical expertise to provide input into the environmental assessment (EA) for LNG facilities and pipelines
2. NHA would like Ministry of Health (MoH) to provide this expertise
3. MoH is not organized to do this currently, does not have a mandate to do this, but agrees that input into EAs for LNG should be at a provincial-level
4. However, there is attention being paid to such issues: for example, Health Authorities and MoH work closely with Ministry of Environment (MoE) on big issues such as Rio Tinto Alcan Air Quality and Selenium related to coal mining in the Southeast. MoE also has responsibility for standards for air quality.
5. Tim will take the need for participation from the provincial health experts on EA to the Deputy Minister. This will take at least a couple of months for an approach to be developed.
 - a. While this is being worked out, we can all rely on the current relationship between MoE, NHA and MoH to ensure there is a place for issues to be raised and discussed
 - b. Ultimately manpower and expertise are required for a full response from MoH
6. David referenced work that NHA is doing related to work camps in the north - there is an interest in understanding how these camps impact health services and other potential impacts. The work is early in development, but there is likely a linkage to the EA in this regard.

ACTION ITEMS

1. Scott and Tim to collaborate on a presentation that describes interface between EA and HIA. Tim to share a presentation he delivered recently for input from Scott. Tim has shared document. Scott will review and turnaround by May 6.
2. Tim to provide input into an RFP that EAO is developing to secure contracted assistance for social and economic impacts. EAO (through Cory Waters) to provide document to Tim by April 29; hoping for turnaround within a couple of days.
3. Scott to develop a 'Information Request' to Tim to support discussions with Deputy Minister. This document is a project specific document that goes beyond a Terms of Reference to describe key input and information requested by EAO of MoH, including key questions that must be addressed. EAO anticipates this will take a week or so to complete.

Scott Bailey
Executive Project Director
BC Environmental Assessment Office
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P Please consider the environment before printing this email.

Benson, Stacey HLTH:EX

From: Kendall, Perry HLTH:EX
Sent: Friday, April 19, 2013 12:13 PM
To: Lambert, Tim HLTH:EX
Subject: Fw: 188187 Rio Tinto Alcan Kitimat Smelter (2)
Attachments: 188187 Rio Tinto Alcan Kitimat Smelter (2).docx

FYI

P. R. W. Kendall
OBC, MBBS, MSc, FRCPC

Provincial Health Officer
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From: Whitmarsh, Graham HLTH:EX
Sent: Friday, April 19, 2013 12:07 PM Pacific Standard Time
To: Hagerman, Shannon GCPE:EX; Kendall, Perry HLTH:EX; Paton, Arlene HLTH:EX
Subject: FW: 188187 Rio Tinto Alcan Kitimat Smelter (2)

From: Shoemaker, Wes ENV:EX
Sent: Friday, April 19, 2013 11:56 AM
To: Dyble, John C PREM:EX; Mentzelopoulos, Athana GCPE:EX; Whitmarsh, Graham HLTH:EX; Carr, Steve EMNG:EX
Cc: Johnston, Karen GCPE:EX; Standen, Jim ENV:EX
Subject: FW: 188187 Rio Tinto Alcan Kitimat Smelter (2)

John/Athana,

s.13

Wes

W.H. (Wes) Shoemaker, MBA
Deputy Minister
Ministry of Environment
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From: Lee, Bonnie ENV:EX
Sent: Friday, April 19, 2013 11:26 AM
To: Shoemaker, Wes ENV:EX
Cc: Standen, Jim ENV:EX
Subject: 188187 Rio Tinto Alcan Kitimat Smelter (2)

Here is the most recent note.

Thanks,
Bonnie

**MINISTRY OF ENVIRONMENT
INFORMATION NOTE**

February 13, 2013

File:

CLIFF/tracking #: 188187

PREPARED FOR: Wes Shoemaker, Deputy Minister, Jim Standen, Assistant Deputy Minister, and Tim McEwan, Assistant Deputy Minister, Ministry of Jobs, Tourism and Skills Training

ISSUE: Rio Tinto Alcan's (RTA) Kitimat smelter modernization project: EMA permit amendment to increase SO₂ emissions – public consultation phase.

BACKGROUND:

RTA's total air emissions footprint will be reduced by approximately 50 per cent after smelter modernization is completed in 2014. However, increased aluminum production and increasing sulphur content in coke will result in an increase in SO₂ emissions. RTA is therefore applying for an increase in to the permitted SO₂ emission limit from 27 tonne/day to 42.

For this complex *Environmental Management Act* (EMA) application, RTA has assembled a multi-disciplinary team to assess four lines of impact assessment evidence (soil and water acidification, human health and vegetation). In 2012, RTA undertook extensive field studies to collect data in support of the application. They have now produced a draft technical assessment report (TAR) in which two lines of evidence are ranked "low" for risk, and two are ranked "moderate" for risk. Consistent with a 2007 Memorandum of Understanding on SO₂ management between Ministry of Environment (MOE) and RTA, an adaptive management approach is being taken to verify and address the risks over a period of years.

Throughout the modernization project and EMA permit amendment process, RTA has successfully engaged in deep consultation with the Haisla First Nation.

s.13

Contact:

*Jim Standen, Assistant
Deputy Minister
Environmental Protection
Division
250 387-1288*

Alternate Contact:

*Jennifer McGuire, Exec Director
Environmental Protection
Division
250 356-6027*

Prepared by:

*Ian Sharpe, Regional
Director
Regional Operations Branch,
Skeena Region
250 847-7251*

Reviewed by	Initials	Date
DM		
DMO	BL for VJ	Feb 22/13
ADM	JStanden	Feb 22/13
Exec. Director	JMcGuire	Feb 18/13
Author	ISharpe	Feb 13/13

Benson, Stacey HLTH:EX

From: Lambert, Tim HLTH:EX
Sent: Wednesday, July 17, 2013 3:09 PM
To: Benson, Stacey HLTH:EX
Subject: FW: RTA SO2 EEM Health Line of Evidence

New one just arrived

take care

Timothy Lambert PhD.
Executive Director
Health Protection
P: 250-952-1987
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From: McKenzie, Frazer B ENV:EX
Sent: Wednesday, July 17, 2013 2:44 PM
To: 'barbara.oke@northernhealth.ca'
Cc: XT:HLTH Kosatsky, Tom; 'Zettler, Shawn (RTA)'; Sharpe, Ian D ENV:EX; Weinstein, Ben ENV:EX; Williston, Patrick ENV:EX; 'Moran, Kerry (RTA)'; 'cmurray@essa.com'; 'dmarmorek@essa.com'; 'Fortin, Nathalie (TI)'; Lambert, Tim HLTH:EX
Subject: RE: RTA SO2 EEM Health Line of Evidence

Hi Barbara,

Just to add to what Nathalie sent below. This workshop is a follow-up to the amendment to Rio Tinto Alcan's SO2 permit limit, and is further to the subject that you were involved with in the spring this year regarding referral correspondence with Ben Weinstein. The permit amendment was issued by our program (Ian Sharpe as decision-maker) dated April 23, 2013 increasing RTA's SO2 emission limit from 27 t/day to 42 t/day. One of the clauses contained in the amendment is for RTA to develop and implement an Environmental Effects Monitoring (EEM) Plan that includes the requirement to establish impact threshold criteria along four lines of evidence, of which human health is one. There is a workshop scheduled for mid-August to address the EEM plan regarding the three non-health-related lines of evidence (vegetation, soil acidification, water acidification), with the health line of evidence being scheduled for a separate workshop (tentatively September 10th or 11th in Vancouver).

If you have any further questions, please do not hesitate to contact me.

Sincerely,

Frazer

From: Fortin, Nathalie (TI) [<mailto:nathalie.fortin@riotinto.com>]
Sent: Wednesday, July 17, 2013 10:25 AM
To: McKenzie, Frazer B ENV:EX
Cc: XT:HLTH Kosatsky, Tom; barbara.oke@northernhealth.ca; Zettler, Shawn (RTA); Sharpe, Ian D ENV:EX; Weinstein, Ben ENV:EX; Williston, Patrick ENV:EX; Moran, Kerry (RTA); cmurray@essa.com; dmarmorek@essa.com
Subject: RE: RTA SO2 EEM Health Line of Evidence

Hi Frazer

I can't confirm 100% the date and location but most likely the Health workshop would be on the 10th or 11th in Vancouver. Please freeze these dates in your calendar.

The goal of this workshop is to discuss the health indicators, thresholds and action to be included in KMP SO2 EEM program. Preparatory material will be sent prior to this workshop

With kind regards

Nathalie Fortin
Conseillère principale environnement / Principal Advisor Environment
Élaboration et mise en oeuvre de projets / Project Development & Implementation
Technologie et innovation / Technology and Innovation

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De : McKenzie, Frazer B ENV:EX [<mailto:Frazer.McKenzie@gov.bc.ca>]

Envoyé : 15 juillet 2013 17:49

À : Fortin, Nathalie (TI)

Cc : XT:HLTH Kosatsky, Tom; 'barbara.oke@northernhealth.ca'; Zettler, Shawn (RTA); Sharpe, Ian D ENV:EX; Weinstein, Ben ENV:EX; Williston, Patrick ENV:EX

Objet : RTA SO2 EEM Health Line of Evidence

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Sincerely,

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Senior Environmental Protection Officer
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BC Ministry of Environment
Skeena Region, Smithers
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