

# FOR INTERNAL USE ONLY

## QUESTIONS AND ANSWERS

**Kitimat Airshed Assessment**  
Ministry of Environment  
July 18 2014

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**1. What was the focus of the Kitimat airshed assessment?**

- The Kitimat Airshed Assessment modelled nitrogen dioxide and sulphur dioxide emissions, and addresses concerns about cumulative effects in the airshed by taking into account both existing and proposed emissions.
- The facilities examined as part of the study were: the existing aluminum smelter, four proposed LNG terminals, a proposed oil refinery, and gas turbine powered electrical generation facilities (BC Hydro), as well as related marine transportation including predicted increases to marine shipping along Douglas Channel.
- The study has helped government determine what management strategies might be required to protect human health and the environment, including the use of technology to further lower emissions if needed.

**2. Why did you wait until now to release the study results?**

- We wanted to ensure the report went through a complete peer review and agencies across government were briefed on the study before release.

**3. How many LNG facilities can safely fit within the airshed?**

- There are currently four proposed LNG export facilities proposed for the Kitimat area which were included in the study. Based off of the study these can safely fit in the airshed. Further study is needed to determine how many other facilities could also be safely located in the airshed.

**4. What are the four facilities?**

- Kitimat LNG-Chevron
- LNG Canada-Shell
- Douglas Channel LNG
- Triton LNG

**5. Was there any First Nations engagement with this study?**

- Yes, Gitga'at and Haisla representatives were involved in study design and technical review of the report.

**6. Are First Nations supportive of this study?**

- We will be continuing to engage with First Nations, as well as other stakeholders such as local governments, over the coming weeks and months to ensure we are moving forward with everyone's input.

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**7. Who else was involved in the technical review?**

- The technical review included the Ministry of Environment, Northern Health Authority, Ministry of Natural Gas Development, Health Canada, and Environment Canada. There were also specialist reviewers from the Province of Quebec, University of Helsinki, UBC, and a private consultant.

**8. The lowest emissions scenario in the study uses electric drive power – is that being pursued?**

- Proponents are not in a position to put all electric drive proposals forward. A key reason for this was related to the need for secure energy supply.
- LNG facilities can achieve emission levels that are close to those of electric drive.

**9. What do you mean by a protective approach was used in the modeling?**

- In scientific and impact modeling a conservative approach is one that uses worst case scenarios for the area of focus.
- For the Kitimat Airshed Study this meant using some of the worst weather conditions in terms of pollution forecasting (still days) and predicting maximum emissions and maximum health risks.

**10. The study shows hourly sulphur dioxide emissions are predicted to exceed the air quality guidelines for all scenarios – why is this and can it be improved?**

- This is partly related to Rio Tinto Alcan's smelter modernization project which will include a gradual increase in SO<sub>2</sub> emissions from increased aluminum production beginning in 2016.
- While the increased production will result in higher sulphur dioxide emissions, overall, total emissions will be reduced by nearly 50 per cent. This includes significant reductions in fluoride, polycyclic aromatic hydrocarbons, particulate matter, and greenhouse gases.
- Rio Tinto has also submitted an Environmental Effects Monitoring program plan for ministry review which includes how they will monitor human health, vegetation, and terrestrial and aquatic environments as well as criteria that would trigger emission reduction and/or other mitigation.
- In addition, the study used worst-case emission scenarios and exposure estimates which are unlikely to occur and SO<sub>2</sub> ambient levels will be monitored in Kitimat.
- These peak hourly events are expected to be infrequent, and when a risk assessment was conducted on the 3 locations with the highest predicted hourly concentrations, the frequency of respiratory events for the most sensitive part of

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## QUESTIONS AND ANSWERS

the population was predicted to increase by less than 2% in the Service Centre location and by Less than 0.5% in the Kitimat and Kitimaat Village locations.

### **11. Will government undertake a similar study in Prince Rupert?**

- The Province is analyzing the situation in Prince Rupert to determine whether a similar study is necessary.

### **12. Will PM 2.5 be an issue in Kitimat? Did the study look at PM 2.5?**

- PM2.5 was not a focus of the study. Given the historical decreases in emissions with the closure of the pulp mill and the projected decreases with the KMP, the slight increase from the LNG facilities will not cause PM2.5 to become an area of concern in the future.

### **13. Was there an analysis of interactions between pollutants and their impacts?**

- Interactions between SO<sub>2</sub> and NO<sub>2</sub> were considered when analyzing the potential impacts on lakes and soils.
- The impact of the individual compounds on vegetation was low enough that compounding analysis was not conducted
- When analysing potential impacts on human health, individual thresholds are developed for each pollutant source by organizations such as WHO and US EPA. These thresholds were used for the analysis. This is consistent with conventions elsewhere; jurisdictions look at and control individual components and thereby avoid or minimize interaction risk.

### **14. How do the assessment results for human health compare to other areas of BC?**

- The highest predicted SO<sub>2</sub> concentrations for all scenarios occurred in the Kitimat Industrial Service Centre and the town of Kitimat. Average concentrations in these two locations were less than those observed near industrial sources in Trail, Port Alice and Chetwynd across all scenarios, but above levels observed in most other communities of the province.
- For other locations in the study, predicted SO<sub>2</sub> concentrations were lower than observed in the Industrial Service Centre and Kitimat.
- Predicted NO<sub>2</sub> concentrations for all ten locations were below those levels observed in the most urbanized parts of Metro Vancouver, but above those levels observed in most other parts of BC. This is most likely due to the worst-case estimates of background NO<sub>2</sub> levels used in the study.

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## QUESTIONS AND ANSWERS

Location	Ambient NO2 Levels (ug/m <sup>3</sup> )	Ambient SO2 Levels (ug/m <sup>3</sup> )
Kitimat	22	14
Kitimat (current average)	4.3 (short-term study 2010-11)	0.2-0.4
Vancouver (Downtown)	33.8	5.9
Victoria	16.9	2.4
Prince George	19.2	6.4
Castlegar	12.2	9.8

### 15. What is the Province doing in terms of GHG policy?

- The Province is still developing their policy on GHG limits and will be releasing this information later this year.

### 16. How can NO2 and SO2 emissions affect human health and the environment?

- At elevated levels, NO2 can impact human health in the form of short term breathing impairment and other health effects .
- The evidence on SO2 effects is not as clear over longer averaging periods, but short term peaks can lead to a small increase in respiratory problems for those with existing conditions.
- Both SO2 and NO2 can directly affect vegetation and indirectly affect the environment through acidification of lakes and soils.

### 17. What are the current NO2 and SO2 air quality levels in Kitimat?

- Kitimat air quality is generally considered to be good, with short, infrequent periods of elevated SO2.
- In 2013, average SO2 concentrations ranged from 0.2 ppb in Haisla Village to 0.4 ppb near the city centre. (Note: This is equivalent to about 0.5-1.1 micrograms per cubic metre, the units used in the Kitimat Airshed Study)
- This compares with an annual average of 2.4 ppb in Prince George and 2.2 ppb in downtown Vancouver.
- NO2 is not currently monitored in Kitimat. The average concentration from a short-term monitoring study in Kitimat in September 2010 to November 2011 was 2.3 ppb. This compares with annual average NO2 concentrations of 10 ppb for Prince George and 18 ppb for downtown Vancouver in 2013

# **FOR INTERNAL USE ONLY**

## **QUESTIONS AND ANSWERS**

- NO2 monitoring is expected to be done if LNG facilities are constructed in Kitimat.

## Hayes, Dana GCPE:EX

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**From:** Karn, David GCPE:EX  
**Sent:** Friday, July 18, 2014 12:16 PM  
**To:** Standen, Jim ENV:EX; Shoemaker, Wes ENV:EX  
**Cc:** Murphy, Bernadette GCPE:EX; Cotton, Brian GCPE:EX  
**Subject:** FW: Media Availability: Polak - Kitimat airshed report

fyi

**From:** tno@gov.bc.ca [mailto:tno@gov.bc.ca]  
**Sent:** Friday, July 18, 2014 12:12 PM  
**Subject:** Media Availability: Polak - Kitimat airshed report

Media Availability  
Polak confcall Kitimat airshed assessment report  
18-Jul-2014 10:46

Copyright

Page 07 to/à Page 09

Withheld pursuant to/removed as

Copyright

## Hayes, Dana GCPE:EX

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**From:** Karn, David GCPE:EX  
**Sent:** Friday, July 18, 2014 11:54 AM  
**To:** Cotton, Brian GCPE:EX  
**Subject:** FW: Posted (privately) to Soundcloud - MMP media avail

FYI

---

**From:** Lowe, Sonia GCPE:EX  
**Sent:** Friday, July 18, 2014 11:35 AM  
**To:** Karn, David GCPE:EX  
**Cc:** Murphy, Bernadette GCPE:EX; van Marum, Karen GCPE:EX  
**Subject:** Posted (privately) to Soundcloud - MMP media avail

Will await instructions re: making public and adding to Newsroom story:

<https://soundcloud.com/bcgov/minister-polak-kitimat-airshed-study-july-18-2014/s-zzePw>

Thanks,

Sonia Lowe | Media Relations Officer  
Government Communications and Public Engagement  
Tel: 250.387.0779 | **Mobile** S. 17 email: [sonia.lowe@gov.bc.ca](mailto:sonia.lowe@gov.bc.ca)



## Hayes, Dana GCPE:EX

---

**From:** Karn, David GCPE:EX  
**Sent:** Friday, July 18, 2014 10:39 AM  
**To:** 'james@cleanenergycanada.org'  
**Subject:** Ministry of Environment

James,

*Friday, July 18, 2014*

### **Study shows Kitimat airshed can handle new industrial development**

Results from an independent science-based study show, that with proper management, Kitimat's airshed can safely accommodate new industrial growth.

#### **You are receiving this BCGov news item based on your subscription to these topic areas:**

Region - Thompson / Okanagan  
Region - Vancouver Island / Coast  
Region - Provincewide  
Region - Northern B.C.  
Sector - Families  
Sector - Health  
Sector - Economy  
Region - Kootenay Rockies  
Region - Cariboo Chilcotin Coast  
Ministry - Environment  
Region - Vancouver Coast & Mountains

Please do not reply to this email.

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## Hayes, Dana GCPE:EX

---

**From:** Karn, David GCPE:EX  
**Sent:** Friday, July 18, 2014 9:49 AM  
**To:** van Marum, Karen GCPE:EX; James Glave  
**Subject:** RE: Kitimat AQ Release?

Will do.

---

**From:** van Marum, Karen GCPE:EX  
**Sent:** Friday, July 18, 2014 9:41 AM  
**To:** James Glave; Karn, David GCPE:EX  
**Subject:** Re: Kitimat AQ Release?

David - see James request below, if you could share news release with him once out at 10, as I will be tied up.

James the report will be avail after 10am at [www.bcairquality.ca/airsheds/kitimat-airshed-assessment.html](http://www.bcairquality.ca/airsheds/kitimat-airshed-assessment.html)

Sent from my iPhone

On Jul 18, 2014, at 9:35 AM, "James Glave" <[james@cleanenergycanada.org](mailto:james@cleanenergycanada.org)> wrote:

Hi Karen,

Can you share the Kimitat air shed report and release with me? We will be responding to press queries. Thanks.

jtg

**James Glave**  
*Director, Communications*

# CLEAN ENERGY CANADA

p: 604-947-2200 | c: 604-833-4368 | Tw: @cleanenergycan | e: [james@cleanenergycanada.org](mailto:james@cleanenergycanada.org)

For a weekly summary of news, analysis and insight - check out our [\*Clean Energy Review\*](#)

## Hayes, Dana GCPE:EX

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**From:** Karn, David GCPE:EX  
**Sent:** Friday, July 18, 2014 9:43 AM  
**To:** 'Mychaylo Prystupa'  
**Subject:** RE: Re:

Mychaylo, give me your questions on Woodfibre LNG and I'll provide response.

dk

**From:** Mychaylo Prystupa [mailto:mychaylo@thevancouverobserver.com]  
**Sent:** Friday, July 18, 2014 9:34 AM  
**To:** Karn, David GCPE:EX  
**Subject:** Re: Re:

Ok.... I will go. That will make it easier to ask my questions on the 2 stories.... air quality... and Woodfibre LNG.

Thanks David.

On Fri, Jul 18, 2014 at 9:30 AM, Karn, David GCPE:EX <[David.Karn@gov.bc.ca](mailto:David.Karn@gov.bc.ca)> wrote:

Are you attending the newser this morning?

**From:** Mychaylo Prystupa [mailto:mychaylo@thevancouverobserver.com]  
**Sent:** Friday, July 18, 2014 9:20 AM

**To:** Karn, David GCPE:EX  
**Subject:** Re:

Thank you David. Following the press conference on air quality, may I please be granted a couple of quick questions with Minister Polak regarding Woodfibre LNG? There was a Squamish City Council meeting on Tuesday, where some 200 citizens gathered to oppose the project. I'd like to get broad comment on where the project is in process, and how the province will consider public views. Please advise if she can spent 3 minutes on the phone with me. She can call: s.22

Cheers,

On Fri, Jul 18, 2014 at 7:32 AM, Karn, David GCPE:EX <[David.Karn@gov.bc.ca](mailto:David.Karn@gov.bc.ca)> wrote:

July 17, 2014

MEDIA ADVISORY - Ministry of Environment

VANCOUVER - Environment Minister Mary Polak will be available to media to discuss results from the Kitimat Airshed Assessment. Prior to the minister's availability, there will be a technical briefing with the independent contractors who authored the study as well as ministry staff.

Media who are unable to attend can view the PowerPoint presentation online as of 10 a.m. at:

<http://www.bcairquality.ca/airsheds/kitimat-airshed-assessment.html>

Event Date: Friday, July 18, 2014

Time: 10 a.m. (Pacific time)

Location:

Suite 730-999 Canada Place

Vancouver

Dial-in Information:

From the Lower Mainland: S. 15, S. 17

From elsewhere in B.C. S. 15, S. 17

Passcode: S. 15, S. 17

During question and answer period, to ask a question: Press 01 During question and answer period, to exit the question queue: Press #

The technical briefing is not for attribution.

Following the technical briefing, Minister of Environment Mary Polak will be available to media.

Time: approximately 10:30am

Location: Suite 730-999 Canada Place, Vancouver.

Media contact:

Media Relations

Ministry of Environment

250 953-3834

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**From:** Mychaylo Prystupa [mailto:[mychaylo@thevancouverobserver.com](mailto:mychaylo@thevancouverobserver.com)]

**Sent:** Friday, July 18, 2014 07:11 AM

**To:** Karn, David GCPE:EX

**Cc:** Crebo, David GCPE:EX

**Subject:**

Good Morning David K., and David C.,

I'm assigned to cover the air quality story today for the Vancouver Observer.

As soon as the is **call-in details (telephone # / code)** about today's press conference with Minister Polak regarding the air quality study are available, can you please share them with me?

Cheers,

Fri, July 18, 10am – 11am

**Where**Vancouver, BC, Canada ([map](#))

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**To:** Karn, David GCPE:EX

**Cc:** Crebo, David GCPE:EX

**Subject:**

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## Hayes, Dana GCPE:EX

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**From:** Karn, David GCPE:EX  
**Sent:** Friday, July 18, 2014 8:52 AM  
**To:** Ash, Christine GCPE:EX; Murphy, Bernadette GCPE:EX  
**Cc:** Woolley, Paul GCPE:EX  
**Subject:** RE: Kitimat Airshed Ann

Media Relations Unit is recording and will share audio post event.

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**From:** Ash, Christine GCPE:EX  
**Sent:** Friday, July 18, 2014 8:45 AM  
**To:** Murphy, Bernadette GCPE:EX  
**Cc:** Karn, David GCPE:EX; Woolley, Paul GCPE:EX  
**Subject:** RE: Kitimat Airshed Ann

Great! Thanks Bernadette.

### Chris Ash

Communications Manager  
Min Gas Development  
ph:  
cell: S. 17  
Mai [h@gov.bc.ca](mailto:h@gov.bc.ca)

---

**From:** Murphy, Bernadette GCPE:EX  
**Sent:** Friday, July 18, 2014 8:44 AM  
**To:** Ash, Christine GCPE:EX  
**Cc:** Karn, David GCPE:EX; Woolley, Paul GCPE:EX  
**Subject:** Re: Kitimat Airshed Ann

Media co taping audio

Sent from my iPhone

On Jul 18, 2014, at 8:41 AM, "Ash, Christine GCPE:EX" <[Christine.Ash@gov.bc.ca](mailto:Christine.Ash@gov.bc.ca)> wrote:

<image001.jpg>

Paul is wondering whether you guys will be providing an audio version of the announcement this morning, as it's being done at the PVO and they usually have ProSho doing the technical aspect of announcements there.

### Chris Ash

Communications Manager  
Min Gas Development  
ph:  
cell: S. 17

Mail to: [christine.ash@gov.bc.ca](mailto:christine.ash@gov.bc.ca)

## Hayes, Dana GCPE:EX

---

**From:** Karn, David GCPE:EX  
**Sent:** Friday, July 18, 2014 8:40 AM  
**To:** 'walter@northwebpress.com'  
**Subject:** Ministry of Environment

Walter,

July 17, 2014

MEDIA ADVISORY - Ministry of Environment

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Location: Suite 730-999 Canada Place, Vancouver.

Media contact:

Media Relations  
Ministry of Environment  
250 953-3834

## Hayes, Dana GCPE:EX

---

**From:** Karn, David GCPE:EX  
**Sent:** Friday, July 18, 2014 7:31 AM  
**To:** 'mychaylo@thevancouverobserver.com'  
**Subject:** Re:

M. The call in details are in the media advisory.

---

**From:** Mychaylo Prystupa [<mailto:mychaylo@thevancouverobserver.com>]  
**Sent:** Friday, July 18, 2014 07:11 AM  
**To:** Karn, David GCPE:EX  
**Cc:** Crebo, David GCPE:EX  
**Subject:**

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**Event: Kitimat Airshed Assessment Results**

**When: 10:00 a.m, July 18th**

*(Minister to speak after technical briefing)*

**Where: Premier's Vancouver Office, Executive Boardroom**

**Length: 2 minutes**

**Audience: Media**

Speaking Notes  
for the  
Hon. Mary Polak  
Minister of Environment  
MLA for Langley  
Kitimat Airshed Assessment  
PVO

Friday, July 18, 2014  
10:00 a.m.

(Check against delivery)

DRAFT ONLY

## **KEY MESSAGES:**

- We know there is lots of economic opportunity in British Columbia for economic growth.
- We want to ensure emissions from any industrial development, can be safely accommodated within the Kitimat airshed and all areas of B.C.
- This is why the Province funded a study to better understand the potential cumulative impacts from industrial air emissions within the airshed.
- The report is important in helping government determine management strategies to protect air quality, human health and the overall environment.
- Government will be taking a regulatory approach to ensure appropriate treatment will be in place and will set safe levels for contaminants in the airshed.



- Good morning and welcome to the technical briefing for the Kitimat Airshed Assessment.
- The Province commissioned this report back in October to inform policy development for future industrial activity in the Kitimat area.
- The report was authored by ESSA Technologies and we have Dave Marmorek, the company's president, here with us to go over their findings.
- We also have Greg Pioli from Risk Sciences International who did the health assessment portion of the study – and he will speak to the health-related findings in the report.

- But first, Jim Standen – Assistant Deputy Minister for Environmental Protection – will talk about the background and the objectives of the study from a ministry standpoint.

*Jim, Dave and Greg give PPT presentation and answer technical questions from media.*

*Once technical briefing is done, there will be a short break to remove table and set up podium for Minister.*

- First – thank you again to Jim, Dave and Greg for your presentation.
- Our government wants to ensure emissions from any industrial development, can be safely

accommodated within the Kitimat airshed and all areas of B.C.

- This is why the Province funded an independent science-based study to closely examine the potential cumulative impacts from industrial air emissions within the airshed.
- We want to ensure any potential impacts from industrial air emissions are clearly understood before new projects are approved and operational.
- This report is helping to shape management strategies to protect air quality, human health and the overall environment.

- This study tells us that with proper management, there is significant capacity in the Kitimat airshed to safely accommodate industrial growth, while still protecting human health and the environment.
- Thank you.

## Hayes, Dana GCPE:EX

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**From:** Karn, David GCPE:EX  
**Sent:** Thursday, July 17, 2014 3:41 PM  
**To:** 'robin@robinrowland.com'  
**Cc:** 'newsroom@northernsentinel.com'; 'walter@northwebpress.com'  
**Subject:** Ministry of Environment - Kitimat Airshed

Robin, the link will go live when the announcement happens, not before.

July 17, 2014

MEDIA ADVISORY - Ministry of Environment

VANCOUVER - Environment Minister Mary Polak will be available to media to discuss results from the Kitimat Airshed Assessment. Prior to the minister's availability, there will be a technical briefing with the independent contractors who authored the study as well as ministry staff.

Media who are unable to attend can view the PowerPoint presentation online as of 10 a.m. at:  
<http://www.bcairquality.ca/airsheds/kitimat-airshed-assessment.html>

Event Date: Friday, July 18, 2014

Time: 10 a.m. (Pacific time)

Location:  
Suite 730-999 Canada Place  
Vancouver

Dial-in Information:

From the Lower Mainland  
From elsewhere in B.C.: S. 15, S. 17  
Passcode: S. 15, S. 17

During question and answer period, to ask a question: Press 01 During question and answer period, to exit the question queue: Press #

The technical briefing is not for attribution.

Following the technical briefing, Minister of Environment Mary Polak will be available to media.

Time: approximately 10:30am

Location: Suite 730-999 Canada Place, Vancouver.

Media contact:

Media Relations  
Ministry of Environment  
250 953-3834

## Hayes, Dana GCPE:EX

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**From:** Karn, David GCPE:EX  
**Sent:** Thursday, July 17, 2014 3:30 PM  
**To:** Oliphant, Sam PREM:EX  
**Cc:** Murphy, Bernadette GCPE:EX; Cotton, Brian GCPE:EX  
**Subject:** RE: Questions about Kitimat airshed release

Got it, Sam.

---

**From:** Oliphant, Sam PREM:EX  
**Sent:** Thursday, July 17, 2014 3:28 PM  
**To:** Karn, David GCPE:EX  
**Subject:** Fwd: Questions about Kitimat airshed release

CC you as                      s. 22                      Can you handle please? Thanks.

Sent from my iPhone

Begin forwarded message:

**From:** "Oliphant, Sam PREM:EX" <[Sam.Oliphant@gov.bc.ca](mailto:Sam.Oliphant@gov.bc.ca)>  
**Date:** July 17, 2014 at 3:26:39 PM PDT  
**To:** "Crebo, David GCPE:EX" <[David.Crebo@gov.bc.ca](mailto:David.Crebo@gov.bc.ca)>  
**Subject:** Fwd: Questions about Kitimat airshed release

Not sure what is going on but can you guys get back to them?

Sent from my iPhone

Begin forwarded message:

**From:** Robin Rowland <[robin@robinrowland.com](mailto:robin@robinrowland.com)>  
**Date:** July 17, 2014 at 3:24:27 PM PDT  
**To:** "Oliphant, Sam PREM:EX" <[Sam.Oliphant@gov.bc.ca](mailto:Sam.Oliphant@gov.bc.ca)>  
**Cc:** Cameron Orr <[newsroom@northernsentinel.com](mailto:newsroom@northernsentinel.com)>, Walter McFarlane <[walter@northwebpress.com](mailto:walter@northwebpress.com)>  
**Subject:** Questions about Kitimat airshed release

Sam

We met when the Premier was up in Kitimat last month for the announcement about the Haisla land sale.  
I am writing on behalf of all three local reporters in Kitimat because we are not getting any response from the Environment Ministry

1. The link to the call-in number for the news conference tomorrow comes up 404...no such page. Can you have your colleagues let us know that number?
2. The news release says there will be a technical briefing in Vancouver

prior to Minister Polak's announcement. How can Kitimat media participate in the technical briefing, if it's a scrum it won't be much help up here.

Can we get the technical documents under embargo?

cc. Cameron Orr Northern Sentinel  
Walter McFarlane Kitimat Daily

--

Robin Rowland

1352 Albatross Ave  
Kitimat BC V8C 1P8 Canada  
home/office 250-632-2838  
mobile 250-639-2797  
[robin@robinrowland.com](mailto:robin@robinrowland.com) alternate e-mail [rowland.robin@gmail.com](mailto:rowland.robin@gmail.com)

**Websites**

<http://robinrowland.com>  
<http://nwcoastenergynews.com>  
<http://taoofnews.com>

**Twitter**

rowlandr  
nwcstenergynews

## Hayes, Dana GCPE:EX

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**From:** Karn, David GCPE:EX  
**Sent:** Thursday, July 17, 2014 1:17 PM  
**To:** 'classifieds@thenorthernview.com'  
**Subject:** MA

July 17, 2014

MEDIA ADVISORY - Ministry of Environment

VANCOUVER - Environment Minister Mary Polak will be available to media to discuss results from the Kitmat Airshed Assessment. Prior to the minister's availability, there will be a technical briefing with the independent contractors who authored the study as well as ministry staff.

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Event Date: Friday, July 18, 2014

Time: 10 a.m. (Pacific time)

Location:

Suite 730-999 Canada Place  
Vancouver

Dial-in Information:

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From elsewhere in B.C.: S. 15, S. 17  
Passcode: S. 15, S. 17

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The technical briefing is not for attribution.

Following the technical briefing, Minister of Environment Mary Polak will be available to media.

Time: approximately 10:30am

Location: Suite 730-999 Canada Place, Vancouver.

Media contact:

Media Relations  
Ministry of Environment  
250 953-3834



## Hayes, Dana GCPE:EX

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**From:** Karn, David GCPE:EX  
**Sent:** Thursday, July 17, 2014 1:14 PM  
**To:** 'mshaw@cfnrfm.ca'  
**Subject:** MA

July 17, 2014

MEDIA ADVISORY - Ministry of Environment

VANCOUVER - Environment Minister Mary Polak will be available to media to discuss results from the Kitimat Airshed Assessment. Prior to the minister's availability, there will be a technical briefing with the independent contractors who authored the study as well as ministry staff.

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Media contact:

Media Relations  
Ministry of Environment  
250 953-3834

## Hayes, Dana GCPE:EX

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**From:** Karn, David GCPE:EX  
**Sent:** Thursday, July 17, 2014 11:35 AM  
**To:** Murphy, Bernadette GCPE:EX  
**Cc:** Cotton, Brian GCPE:EX  
**Subject:** FW: Media Advisory to go at 1 PM to MINIS2, MEDIA, LEGIS, PROVI, BUSIN, ENERG, All Ethnic, 035  
**Attachments:** MA - KAS - July 18 2014 (3).pdf; MA - KAS - July 18 2014 (3).docx

Going at 1pm. Call around shortly thereafter? Gallery/van majors and Kitimat region?

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

From: Stagg, Linda R GCPE:EX  
Sent: Thursday, July 17, 2014 11:25 AM  
To: 'Ops@marketwired.com'  
Cc: Steggle, Amy GCPE:EX; Mentzelopoulos, Athana GCPE:EX; Chin, Ben PREM:EX; James, Ben LASS:EX; Finnigan, Brooke GCPE:EX; Karn, David GCPE:EX; Scheffel, Emile PREM:EX; Southern, Evan PREM:EX; Collicott, George GCPE:EX; Fraser, John Paul GCPE:EX; Chant, Jon GCPE:EX; van Marum, Karen GCPE:EX; Gleeson, Kelly T GCPE:EX; Kay, Maclean PREM:EX; Boudreau, Marc GCPE:EX; Dila, Mary GCPE:EX; Safarik, Melissa GCPE:EX; Bajwa, Pavan GCPE:EX; Carson, Primrose LASS:EX; Oliphant, Sam PREM:EX; Mills, Shane LASS:EX; Lowe, Sonia GCPE:EX  
Subject: FW: Media Advisory to go at 1 PM to MINIS2, MEDIA, LEGIS, PROVI, BUSIN, ENERG, All Ethnic, 035

July 17, 2014

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VANCOUVER – Environment Minister Mary Polak will be available to media to discuss results from the Kitimat Airshed Assessment. Prior to the minister's availability, there will be a technical briefing with the independent contractors who authored the study as well as ministry staff.

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Location: Suite 730-999 Canada Place, Vancouver.

Media contact:

Media Relations

Ministry of Environment

250 953-3834

## Hayes, Dana GCPE:EX

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**From:** Karn, David GCPE:EX  
**Sent:** Wednesday, June 25, 2014 3:48 PM  
**To:** Mitschke, Matt ENV:EX  
**Cc:** GCPE Communications - Environment; Hancock, Tom ENV:EX; Dhanowa, Damon ENV:EX; Shoemaker, Wes ENV:EX; Gleeson, Kelly T GCPE:EX; Mentzelopoulos, Athana GCPE:EX  
**Subject:** media request - Globe & Mail - Kitimat Airshed report

Matt,

Q1 is approved response. Q2 good with MNGD.

Reporter: Wendy Stueck, Globe and Mail

Deadline: 4:30pm

Request: Hello. I am working on a follow-up to my recent study about the Kitimat Airshed Report. I have been forwarded a letter to government from a representative of Douglas Channel Watch who objects to the report not being released and raises concerns about why the government is not releasing the report at this time.

Would the province have anything to add to your recent reply to my inquiry on the report?

Please let me know. Also – has there been a date set for the LNG tax regime or is it expected sometime this fall?

Suggest response:

**Q1 Would the province have anything to add to your recent reply to my inquiry on the report?**

- The draft report was received by the ministry at the end of March.
- Since then it has undergone review by other agencies, including the Ministry of Health.
- It's now part of the discussions around cleanest LNG requirements, and will be released later this year.

**Q2. Has there been a date set for the LNG tax regime or is it expected sometime this fall?**

- Government is on track to complete a policy framework in a timely fashion so that LNG proponents can make final investment decisions as early as the end of this year. The policy framework includes a wide range of topics including LNG taxation.

## Hayes, Dana GCPE:EX

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**From:** Karn, David GCPE:EX  
**Sent:** Tuesday, April 1, 2014 10:49 AM  
**To:** 'reporter@nothernsentinel.com'  
**Subject:** ministry of Environment attn Cameron

Cameron, in response to your query regarding a Kitimat airshed study. Attribution to Ministry of Environment.

A draft report was received by government and staff will take the time for necessary review.

## Kitimat Airshed Study

Location: Executive Boardroom, Premier's Vancouver Office  
 Address for attendees: S. 15, 999 Canada Place, Vancouver  
 Address for media advisory: Suite 730, 999 Canada Place, Vancouver

**Technical Briefing: table mics**

**Minister: Podium**

**Dress: Business**

**Date: Friday, July 18, 2014**

**Time: 10:00am**

Time	Event Itinerary
9:00am	<p>Minister Polak arrives at the Premier's Vancouver office for pre-brief in                      S. 15 with:</p> <ul style="list-style-type: none"> <li>• Jim Standen, ADM, Ministry of Environment</li> <li>• Ed Hoffman, Director, Ministry of Environment</li> <li>• Kursti Calder, Ministry of Natural Gas Development</li> <li>• Dave Marmorek, ESSA Technologies</li> <li>• Carol Murray, ESSA Technologies</li> <li>• Greg Paoli, Risk Sciences International</li> <li>• Bernadette Murphy, GCPE</li> </ul> <p>NOTE: Power point presentation will be set up in the Executive Boardroom for a test run 9:05 to 9:20am. Group to return to                      S. 15 afterward.</p>
9:40am	Media set up in the Executive Boardroom via Suite 730
9:58am	<p>Minister Polak, Dave Marmorek (ESSA Technologies), Greg Paoli (Risk Sciences International) and Jim Standen (Ministry of Environment) return to the Executive Boardroom and take their seats at the table.</p> <p>LCD screen in position for power point presentation behind them.</p>
10:00am	Minister Polak uses a table mic to introduce Dave Marmorek, Greg Paoli and Jim Standen and advises they will be giving a technical briefing with a power point presentation.
10:02am	Dave, Greg and Jim give technical briefing presentation
10:15am	Dave, Greg and Jim respond to questions from the media (in the room as well as on the line) moderated by Karen van Marum.



10:30am	Karen concludes the questions and lets media know that there will be a short break while the podium is put into place.
10:31am	AV Technicians remove table and put podium in to position
10:35am	Minister Polak gives statement from the podium.  NOTE: Dave, Greg and Jim will stand to the side of the podium. Minister can refer any new technical questions that come up to them.
10:38am	Minister Polak takes questions from the media (in the room as well as on the line) moderated by Karen van Marum.
10:50am	Karen concludes the Q and A
10:51am	Minister Polak departs

**Contacts:**

Tara Zwaan.....

S. 17