

From: [Plecas, Bobbi ENV:EX](#)
To: [Heyman, George ENV:EX](#); ["Heyman, George"; Frampton, Caelie ENV:EX](#)
Cc: [Zacharias, Mark ENV:EX](#); [Cameron, Tara D ENV:EX](#)
Subject: Spills Regs Options PPT Jan 11 - with ELUC Order v4.pptx
Date: Tuesday, January 16, 2018 09:51:24
Attachments: [Spills Regs Options PPT Jan 11 - with ELUC Order v4.pptx](#)

Minister

Welcome back. For our conversation this afternoon at 1:00.

Bobbi

Page 02 to/à Page 06

Withheld pursuant to/removed as

s.12;s.14;s.13

From: [Zacharias, Mark ENV:EX](#)
To: [Plecas, Bobbi ENV:EX](#); [Heyman, George ENV:EX](#); ["Heyman, George"; Frampton, Caelie ENV:EX](#)
Cc: [Cameron, Tara D ENV:EX](#)
Subject: RE: Spills Regs Options PPT Jan 11 - with ELUC Order v4.pptx
Date: Tuesday, January 16, 2018 10:06:41

Thanks Bobbi. Minister: Here's the Royal Society of Canada Expert Panel Report that this new approach is based on (don't print, its 489 pages!)
<https://rsc-src.ca/en/expert-panels/rsc-reports/behaviour-and-environmental-impacts-crude-oil-released-into-aqueous>

Regards, Mark

From: Plecas, Bobbi ENV:EX
Sent: Tuesday, January 16, 2018 9:51 AM
To: Heyman, George ENV:EX; 'Heyman, George'; Frampton, Caelie ENV:EX
Cc: Zacharias, Mark ENV:EX; Cameron, Tara D ENV:EX
Subject: Spills Regs Options PPT Jan 11 - with ELUC Order v4.pptx
Minister
Welcome back. For our conversation this afternoon at 1:00.
Bobbi

From: [Crebo, David GCPE:EX](#)
To: [Zacharias, Mark ENV:EX](#); [Morel, David P ENV:EX](#)
Cc: [Frampton, Caelie ENV:EX](#)
Subject: Fwd: FIR REVIEW: Spills regs/bitumen NR
Date: Sunday, January 21, 2018 14:12:00
Attachments: [NR Spills Regs Phase2 Jan 2018 Draft 10.docx](#)
[ATT00001.htm](#)
[QA Spills Regs Feb 2018 draft5.docx](#)
[ATT00002.htm](#)

As requested, for mtg with MGH tomorrow morning.

Dave Crebo
Communications Director
Ministry of Environment and Climate Change Strategy.
(250) 812-5747 (cell)

Begin forwarded message:

From: "Crebo, David GCPE:EX" <David.Crebo@gov.bc.ca>
Date: January 19, 2018 at 3:33:49 PM PST
To: "Zadravec, Don GCPE:EX" <Don.Zadravec@gov.bc.ca>, "Howlett, Tim GCPE:EX" <Tim.Howlett@gov.bc.ca>
Cc: "Cotton, Brian GCPE:EX" <Brian.Cotton@gov.bc.ca>
Subject: FIR REVIEW: Spills regs/bitumen NR

Gentlemen –attached is a draft NR and QA re: s.13,s.14
s.13,s.14 This is approved through the
ministry, but has not yet gone to the MO. MGH met the other day with Geoff around
this.
Some context:
s.13

Thx,
Dave
Dave Crebo
Communications Director
Ministry of Environment and Climate Change Strategy
(250) 812-5747

Page 10 to/à Page 11

Withheld pursuant to/removed as

s.13

BACKGROUND

Proposed regulations to improve liquid petroleum spill response and recovery:

1. Response times

Response times are the established timeframes within which response resources will be activated and arrive at a spill site. Currently, the Ministry of Environment and Climate Change Strategy does not regulate in this area. Establishing response time requirements would align with practices of other regulators and in neighbouring jurisdictions.

2. Geographic response plans

Geographic response plans (GRPs) identify sensitive, natural, cultural, or significant economic resources at risk from spills, and outline the response actions that are appropriate for that site to minimize impacts to these resources should a spill occur. GRPs are map-based and each one has a variety of information that is useful to responders, particularly in the first 48 to 72 hours of a response.

3. Loss of public use

Loss of public use refers to the requirement that spillers provide some form of restitution for the impacts of spills on the use and/or enjoyment of public spaces and resources, such as the use of beaches, parks, and forests, the enjoyment of wildlife, wilderness spaces, food resources, recreation, and drinking water, as well as the intrinsic value of archaeological and cultural sites.

4. Marine application

The Province seeks to broaden existing ministry authority to ensure provincial interests are fully addressed in marine spill prevention, preparedness, response and recovery. While the primary responsibility for marine spills lies with federal agencies, a spill of any significance will impact and involve all orders of government. The provincial government has a responsibility to ensure there is a regulatory framework in place that protects its coastal resources.

s.13,s.14

Contact:
Media Relations
Ministry of Environment and Climate Change Strategy
250-953-3834

Page 15 to/à Page 18

Withheld pursuant to/removed as

s.13

From: [Plecas, Bobbi ENV:EX](#)
To: [Heyman, George ENV:EX](#); ["Heyman, George"; Frampton, Caelie ENV:EX](#)
Subject: NR_Spills_Regs_Phase2_Jan_2018_Draft_13 (2) (2)
Date: Tuesday, January 23, 2018 13:59:21
Attachments: NR_Spills_Regs_Phase2_Jan_2018_Draft_13 (2) (2).docx

Updated based on our discussions at lunch.

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s.13

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5. Dilbit transportation restrictions

The Province will create an independent scientific advisory panel to help address the scientific uncertainties outlined in the report of the Royal Society of Canada Expert Panel on the Behaviour and Environmental Impacts of Crude Oil Released into Aqueous Environments. The recommendations of the advisory panel will inform future regulatory development and approaches to spill response.

Contact:
Media Relations
Ministry of Environment and Climate Change Strategy
250-953-3834

From: [Crebo, David GCPE:EX](#)
To: [Frampton, Caelie ENV:EX](#); [Xia, Eveline ENV:EX](#)
Cc: [Cotton, Brian GCPE:EX](#)
Subject: Spills materials
Date: Monday, January 29, 2018 09:23:15
Attachments: [The Royal Society of Canada Expert Panel.docx](#)
[NR Spills Regs Phase2 Jan 2018 Draft 17.docx](#)
[QA Spills Regs Feb 2018 draft 8 clean.docx](#)
[Spills Phase 2 KMs.docx](#)

FYI - I'm bringing printed copies of these to our mtg this aft:

- High-level, 1-pager on the Royal Society of Canada spills report.
- NR
- QA
- Caelie's KMs

Dave Crebo

Communications Director

Ministry of Environment and Climate Change Strategy

(250) 812-5747

The Royal Society of Canada Expert Panel:

**The Behaviour and Environmental Impacts of Crude Oil Released into Aqueous Environments
November 2015**

- A panel of leading experts on oil chemistry, behaviour and toxicity reviewed the current science relevant to potential oil spills into Canadian marine waters, lakes, waterways and wetlands.
- The review, which examined spill impacts and oil spill responses for the full spectrum of crude oil types (including bitumen, diluted bitumen and other unconventional oils), is among the most comprehensive of its kind.
- It surveyed scientific literature, key reports and selected oil spill case studies, including tanker spills, an ocean rig blowout, pipeline spills and train derailments.
- The Panel also consulted industry, government and environmental stakeholders across the country.
- Despite the importance of oil type, the Panel concluded that the overall impact of an oil spill, including the effectiveness of an oil spill response, depends mainly on the environment and conditions (weather, waves, etc.) where the spill takes place and the time lost before remedial operations.
- The Panel recommends that this critical research should concentrate on seven general high-priority research needs:
 1. Better understand the environmental impact of spilled crude oil in high-risk and poorly understood areas, such as Arctic waters, the deep ocean and shores or inland rivers and wetlands.
 2. Increase the understanding of effects of oil spills on aquatic life and wildlife at the population, community and ecosystem levels.
 3. Develop an understanding of the environmental and ecological characteristics of areas that may be affected by oil spills in the future and to identify any unique sensitivity to oil effects.
 4. Better understand spill behaviour and effects across a spectrum of crude oil types in different ecosystems and conditions.
 5. Investigate the efficacy of spill responses.
 6. Improve spill prevention and develop/apply response decision support systems to ensure sound response decisions and effectiveness.
 7. Update and refine risk assessment protocols for oil spills in Canada.

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s.13

BACKGROUND

Proposed regulations under the Environmental Management Act (EMA) to improve liquid petroleum spill response and recovery:

1. Response times

Response times are the established timeframes within which response resources will be activated and arrive at a spill site. Currently, the Ministry of Environment and Climate Change Strategy does not regulate in this area. Establishing response time requirements would align with practices of other regulators and in neighbouring jurisdictions.

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Geographic response plans (GRPs) identify sensitive, natural, cultural, or significant economic resources at risk from spills, and outline the response actions that are appropriate for that site to minimize impacts to these resources should a spill occur. GRPs are map-based and each one has a variety of information that is useful to responders, particularly in the first 48 to 72 hours of a response.

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5. Diluted bitumen transportation restrictions

The Province will create an independent scientific advisory panel to help address the scientific uncertainties outlined in the report of the Royal Society of Canada Expert Panel on the Behaviour and Environmental Impacts of Crude Oil Released into Aqueous Environments. The recommendations of the advisory panel will inform future regulatory development and approaches to spill response.

s.13,s.14

Contact:
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Ministry of Environment and Climate Change Strategy
250-953-3834

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s.13

Key Messages:

- Our government knows that the potential for a diluted bitumen/oil spill poses significant risk to our environment.
- Today, we announced the latest steps in our spill management response in BC to protect our waters and our safety.
- First, we're seeking feedback in five areas:
 1. Response times;
 2. Geographic response plans;
 3. Compensation for loss of public and cultural use of land in the case of spills;
 4. Maximizing application of regulations to marine spills; and,
 5. Restrictions on the increase of diluted bitumen ("dilbit") transportation until the behaviour of spilled bitumen can be better understood.
- Second, we are convening an independent scientific advisory panel to make recommendations on how heavy oils can be safely transported and cleaned up if spilled.

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From: [Crebo, David GCPE:EX](#)
To: [Heyman, George ENV:EX](#)
Cc: [Frampton, Caelie ENV:EX](#); [Xia, Eveline ENV:EX](#); [Zacharias, Mark ENV:EX](#); [Plecas, Bobbi ENV:EX](#)
Subject: Fwd: FYI - NR and QA for spills announcement
Date: Monday, January 29, 2018 17:07:44
Attachments: [QA Spills Regs Feb 2018 Final.docx](#)
[ATT00001.htm](#)
[NR Spills Regs Phase2 Jan 2018 Draft 18.docx](#)
[ATT00002.htm](#)

Minister, as requested:

Dave Crebo
Communications Director
Ministry of Environment and Climate Change Strategy.
(250) 812-5747 (cell)

Begin forwarded message:

From: "Cotton, Brian GCPE:EX" <Brian.Cotton@gov.bc.ca>
Date: January 29, 2018 at 4:19:01 PM PST
To: "Haslam, David GCPE:EX" <David.Haslam@gov.bc.ca>, "Beaupre, Darren GCPE:EX" <Darren.Beaupre@gov.bc.ca>, "Plank, Sarah GCPE:EX" <Sarah.Plank@gov.bc.ca>, "Ritchie, Leanne GCPE:EX" <Leanne.Ritchie@gov.bc.ca>, "Robb, Katie GCPE:EX" <Katie.Robb@gov.bc.ca>, "Bowness, Lianne GCPE:EX" <Lianne.Bowness@gov.bc.ca>, "Nelson, Tiffany GCPE:EX" <Tiffany.Nelson@gov.bc.ca>, "Schollen, Tasha GCPE:EX" <Tasha.Schollen@gov.bc.ca>, "Zadravec, Don GCPE:EX" <Don.Zadravec@gov.bc.ca>, "Thomas, Vivian P GCPE:EX" <Vivian.Thomas@gov.bc.ca>, "Lowther, Brett GCPE:EX" <Brett.Lowther@gov.bc.ca>
Cc: "Crebo, David GCPE:EX" <David.Crebo@gov.bc.ca>
Subject: FYI - NR and QA for spills announcement

Please find attached our QA and NR on the next phase of proposed spill response regulations. NR going tomorrow at 10.

Thanks,

Brian Cotton
Communications Manager
Ministry of Environment and Climate Change Strategy
Phone: (250) 387-9618
Cell: (250) 818-4233

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NEWS RELEASE

[release number]
January 30, 2018

Ministry of Environment and Climate
Change Strategy

Additional measures being developed to protect B.C.'s environment from spills

VICTORIA –The provincial government is proposing a second phase of regulations to improve preparedness, response, and recovery from potential spills.

The first phase of the regulations, approved in October 2017, establish a standard of preparedness, response and recovery necessary to protect B.C.'s environment. With some exceptions for B.C. Oil and Gas Regulated entities, the phase one regulations apply to pipelines transporting any quantity of liquid petroleum products, and rail or trucking operations transporting over 10,000 litres of liquid petroleum products.

For the second phase, the province will be looking for feedback in five areas:

- Response times, to ensure timely responses following a spill;
- Geographic response plans, to ensure resources are available to support an immediate response that take into account unique characteristics of a given sensitive area;
- Compensation for loss of public and cultural use of land, resources or public amenities in the case of spills;
- Maximizing application of regulations to marine spills; and,
- Restrictions on the increase of diluted bitumen (“dilbit”) transportation until the behaviour of spilled bitumen can be better understood and there is certainty regarding the ability to adequately mitigate spills.

“The people of B.C. need to know that there is effective spill management across the province, and in particular for our most sensitive and vulnerable areas, including coastlines,” said George Heyman, Minister of Environment and Climate Change Strategy. “We believe spills should not happen. But if hazardous pollutants have potential to spill, our government will ensure that spillers must be prepared and able to fully mitigate the environmental damage before they proceed.”

An independent scientific advisory panel will be established to make recommendations to the Minister of Environment and Climate Change Strategy on if and how heavy oils can be safely transported and cleaned up if spilled.

“The potential for a diluted bitumen spill already poses significant risk to our inland and coastal environment and the thousands of existing tourism and marine harvesting jobs,” said Heyman. “British Columbians rightfully expect their government to defend B.C.’s coastline and our inland waterways, and the economic and environmental interests that are so important to the people in our province, and we are working hard to do just that.”

The process to receive feedback on the proposed regulations will feature engagement with First Nations, to begin as soon as possible. To ensure the views of the broad range of stakeholders are heard, government will meet with industry, local governments and environmental groups over the coming weeks and months.

As well, the general public will be able to provide input online through written comments, once an intentions paper is released. The intentions paper will provide an overview of the proposed regulations, and is expected to be posted before the end of February 2018.

A backgrounder follows.

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Proposed regulations under the Environmental Management Act (EMA) to improve liquid petroleum spill response and recovery:

1. Response times

Response times are the established timeframes within which response resources will be activated and arrive at a spill site. Currently, the Ministry of Environment and Climate Change Strategy does not regulate in this area. Establishing response time requirements would align with practices of other regulators and in neighbouring jurisdictions.

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5. Diluted bitumen transportation restrictions

The Province will create an independent scientific advisory panel to help address the scientific uncertainties outlined in the report of the Royal Society of Canada Expert Panel on the Behaviour and Environmental Impacts of Crude Oil Released into Aqueous Environments. The recommendations of the advisory panel will inform future regulatory development and approaches to spill response.

In order to protect B.C.'s environmental and economic interests while the advisory panel is proceeding, the Province is proposing regulatory restrictions to be placed on the increase of diluted bitumen ("dilbit") transportation.

Contact:
Media Relations
Ministry of Environment and Climate Change Strategy
250-953-3834

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s.14

Page 53 to/à Page 55

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s.13