Technical Report TR-20

Vancouver Fraser Port Authority Development Permit Application

Consultation Summary – Westridge Marine Terminal

Appendix L
December 14, 2015

Gina Niccoli-Moen
Superintendent of Schools and CEO
School District No. 41 (Burnaby)
5325 Kincaid Street
Burnaby, BC, V5G 1W2

RE: Emergency Management Plan Review

In December 2013, Trans Mountain applied to the National Energy Board (NEB) to expand its current 1,150-kilometre pipeline between Edmonton, Alberta and Burnaby, British Columbia. The proposed expansion, if approved, would create a twinned pipeline. Additional information regarding the proposed Project, including a copy of the Facilities Application, can be found on our Project website at www.transmountain.com.

Since spring 2012, when Trans Mountain announced the proposed expansion, we have had many conversations with those who may be impacted by our Project. One of the key topics people are interested in is pipeline safety and emergency response.

Trans Mountain has a comprehensive Emergency Management Program that includes working with local authorities such as fire and police to make sure the public and environment are kept safe. In addition to the continuing education program with first responders, Trans Mountain has been engaging with local stakeholders along the pipeline corridor as part of enhancing current emergency response plans to meet the needs of the proposed expansion should it proceed.

Trans Mountain is interested in working with School Districts and individual schools to provide information concerning our Emergency Response Program. We are also interested in ensuring that school’s Emergency Response Plans are coordinated with those of the Trans Mountain Pipeline System.

We are contacting you because we have identified schools in School District No. 41 that are located close to our existing pipeline and facilities or the preferred proposed pipeline corridor for the expansion Project. They include:

- Burnaby Mountain Secondary
- Forest Grove Elementary
- Lyndhurst Elementary
- Stoney Creek Elementary
For your reference, we have attached a map of your region that identifies the location of the existing and proposed pipeline corridor within your School District.

We would like the chance to meet with you to discuss our respective emergency plans, provide you with information regarding the proposed Project, and consider the need to engage with representatives from individual schools identified in this letter. Trans Mountain is committed to fully supporting your safety efforts and ensuring your Emergency Response Plans are coordinated with ours.

Lexa Hobenshield, Regional Lead, Stakeholder Engagement for the Trans Mountain Expansion Project will contact you in January to discuss an opportunity to meet. Please don’t hesitate to contact Lexa at lexa_hobeneshield@kindermorgan.com or 604-809-9869 for more information.

Sincerely,

Jamie Kereliuk
Director Emergency Management
Kinder Morgan Canada
Technical Report TR-20

Vancouver Fraser Port Authority Development Permit Application

Consultation Summary – Westridge Marine Terminal

Appendix M
APPENDIX M

Westridge Marine Terminal Full Scale Emergency Exercise and Observer Program

October 29, 2015

Burnaby, BC
September 16, 2015

Jane Thorthwaite
MLA North Vancouver Seymour
Province of British Columbia
via email: jane.thorthwaite.mla@leg.bc.ca

RE: Westridge Marine Terminal, Burnaby, BC - Full Scale Exercise
Invitation to Participate in Observer Program

Dear MLA Thorthwaite,

Kinder Morgan Canada (KMC) would like to invite you as the MLA for North Vancouver Seymour to observe a full scale emergency management and response exercise for Westridge Marine Terminal, Burnaby, BC on October 29, 2015.

KMC is committed to public safety, protection of the environment and operation of its facilities in compliance with all applicable rules and regulations. As a company regulated by the National Energy Board (NEB), KMC must have an emergency management program that anticipates, prevents, manages and mitigates conditions during the unlikely event of an emergency.

Training and exercises are integral to KMC’s safety and emergency preparedness program to ensure a quick and efficient response. KMC conducts regular exercises to meet its regulatory requirements. Exercise priorities are set on an annual basis in accordance with requirements of regulatory bodies and the KMC Emergency Management Program.

KMC uses the internationally recognized Incident Command System (ICS) to respond to emergencies and aims to work collaboratively with regional partners, including, local first responders, Western Canada Marine Response Corporation (WCMRC), First Nations and government agencies to build relationships and practice the multi-party aspects of ICS. You are being invited to participate because of your interest expressed in the KMC Emergency Management Program to date, or because KMC believes your feedback on the emergency response exercise can contribute to the enhancement of the current emergency management program for the proposed Trans Mountain Expansion Project.

The exercise you are being invited to observe is a full-day table top and deployment event. The scenario will be based upon a hypothetical 160 cubic meter spill of crude oil from the loading arm during ship loading operations at the Westridge Marine Terminal. No simulated products will be used on the water for this deployment drill, and potential product movements will be modeled by computer.
Observer Program Details

Opportunity on October 29, 2015:
- Three hour (morning or midday) observation of the emergency preparedness exercise, including:
  - tour of Incident Command Post
  - emergency management presentation
  - briefing by an exercise participant
  - bus tour of the simulated incident site
- Transportation for the incident site tour and lunch will be provided.
- Due to the anticipated interest in this program, space will be held for you until October 15, 2015.
- Tour times and itineraries will be sent directly to the participants on registration.

To confirm your spot(s) by October 15, 2015:
- RSVP to Chandell Sanford (Chandell_Sanford@transmountain.com)

We look forward to your response and hope that you can join us to learn more about Kinder Morgan Canada’s Emergency Management Plan. If you have any questions about the Observer Program please contact Kelly Malinoski, Manager, Emergency Management at 403-514-6538 or at Kelly_malinoski@kindermorgan.com.

Sincerely,

Jamie Kereliuk
Director, Emergency Management
Kinder Morgan Canada Inc.
Jamie_kereliuk@kindermorgan.com
September 16, 2015

Naomi Yamamoto
MLA North Vancouver Lonsdale, and Minister of State for Emergency Preparedness
Province of British Columbia
via email: Naomi.yamamoto.mla@leg.bc.ca

RE: Westridge Marine Terminal, Burnaby, BC - Full Scale Exercise
Invitation to Participate in Observer Program

Dear Minister of State Yamamoto,

Kinder Morgan Canada (KMC) would like to invite you as the MLA for North Vancouver Lonsdale, and in recognition of your position at Minister of State for Emergency Preparedness to observe a full scale emergency management and response exercise for Westridge Marine Terminal, Burnaby, BC on October 29, 2015.

KMC is committed to public safety, protection of the environment and operation of its facilities in compliance with all applicable rules and regulations. As a company regulated by the National Energy Board (NEB), KMC must have an emergency management program that anticipates, prevents, manages and mitigates conditions during the unlikely event of an emergency.

Training and exercises are integral to KMC's safety and emergency preparedness program to ensure a quick and efficient response. KMC conducts regular exercises to meet its regulatory requirements. Exercise priorities are set on an annual basis in accordance with requirements of regulatory bodies and the KMC Emergency Management Program.

KMC uses the internationally recognized Incident Command System (ICS) to respond to emergencies and aims to work collaboratively with regional partners, including, local first responders, Western Canada Marine Response Corporation (WCMRC), First Nations and government agencies to build relationships and practice the multi-party aspects of ICS. You are being invited to participate because of your interest expressed in the KMC Emergency Management Program to date, or because KMC believes your feedback on the emergency response exercise can contribute to the enhancement of the current emergency management program for the proposed Trans Mountain Expansion Project.

The exercise you are being invited to observe is a full-day table top and deployment event. The scenario will be based upon a hypothetical 160 cubic meter spill of crude oil from the loading arm during ship loading operations at the Westridge Marine Terminal. No simulated products will be used on the water for this deployment drill, and potential product movements will be modeled by computer.
Observer Program Details

Opportunity on October 29, 2015:

- Three hour (morning or afternoon) observation of the emergency preparedness exercise, including:
  - tour of Incident Command Post
  - emergency management presentation
  - briefing by an exercise participant
  - bus tour of the simulated incident site
- Transportation for the incident site tour and lunch will be provided.
- Due to the anticipated interest in this program, space will be held for your organization until October 15, 2015.
- Tour times and itineraries will be sent directly to the participants on registration.

To confirm your spot(s) by October 15, 2015:

- RSVP to Chandell Sanford (Chandell_Sanford@transmountain.com)

We look forward to your response and hope that you can join us to learn more about Kinder Morgan Canada’s Emergency Management Plan. If you have any questions about the Observer Program please contact Kelly Malinoski, Manager, Emergency Management at 403-514-6538 or at Kelly_malinoski@kindermorgan.com.

Sincerely,

Jamie Kereliuk
Director, Emergency Management
Kinder Morgan Canada Inc.
Jamie_kereliuk@kindermorgan.com
September 16, 2015

Richard Lee
MLA Burnaby North
Province of British Columbia
via email: richard.lee.mla@leg.bc.ca

RE: Westridge Marine Terminal, Burnaby, BC - Full Scale Exercise
   Invitation to Participate in Observer Program

Dear MLA Lee,

Kinder Morgan Canada (KMC) would like to invite you as the MLA for Burnaby North to observe a full scale emergency management and response exercise for Westridge Marine Terminal, Burnaby, BC on October 29, 2015.

KMC is committed to public safety, protection of the environment and operation of its facilities in compliance with all applicable rules and regulations. As a company regulated by the National Energy Board (NEB), KMC must have an emergency management program that anticipates, prevents, manages and mitigates conditions during the unlikely event of an emergency.

Training and exercises are integral to KMC’s safety and emergency preparedness program to ensure a quick and efficient response. KMC conducts regular exercises to meet its regulatory requirements. Exercise priorities are set on an annual basis in accordance with requirements of regulatory bodies and the KMC Emergency Management Program.

KMC uses the internationally recognized Incident Command System (ICS) to respond to emergencies and aims to work collaboratively with regional partners, including, local first responders, Western Canada Marine Response Corporation (WCMRC), First Nations and government agencies to build relationships and practice the multi-party aspects of ICS. You are being invited to participate because of your interest expressed in the KMC Emergency Management Program to date, or because KMC believes your feedback on the emergency response exercise can contribute to the enhancement of the current emergency management program for the proposed Trans Mountain Expansion Project.

The exercise you are being invited to observe is a full-day table top and deployment event. The scenario will be based upon a hypothetical 160 cubic meter spill of crude oil from the loading arm during ship loading operations at the Westridge Marine Terminal. No simulated products will be used on the water for this deployment drill, and potential product movements will be modeled by computer.
Observer Program Details

Opportunity on October 29, 2015:

- Three hour (morning or afternoon) observation of the emergency preparedness exercise, including:
  - tour of Incident Command Post
  - emergency management presentation
  - briefing by an exercise participant
  - bus tour of the simulated incident site
- Transportation for the incident site tour and lunch will be provided.
- Due to the anticipated interest in this program, space will be held for your organization until October 15, 2015.
- Tour times and itineraries will be sent directly to the participants on registration.

To confirm your spot(s) by October 15, 2015:

- RSVP to Chandell Sanford (Chandell_Sanford@transmountain.com)

We look forward to your response and hope that you can join us to learn more about Kinder Morgan Canada’s Emergency Management Plan. If you have any questions about the Observer Program please contact Kelly Malinoski, Manager, Emergency Management at 403-514-6538 or at Kelly_malinoski@kindermorgan.com.

Sincerely,

Jamie Kereliuk  
Director, Emergency Management  
Kinder Morgan Canada Inc.  
Jamie_kereliuk@kindermorgan.com
September 16, 2015

Lesley Douglas  
Manager, Environmental Sustainability  
City of Richmond  
via email: ldouglas@richmond.ca

RE: Westridge Marine Terminal, Burnaby, BC - Full Scale Exercise  
Invitation to Participate in Observer Program

Dear Ms. Douglas,

Kinder Morgan Canada (KMC) would like to invite one participant from City of Richmond to observe a full scale emergency management and response exercise for Westridge Marine Terminal, Burnaby, BC on October 29, 2015.

KMC is committed to public safety, protection of the environment and operation of its facilities in compliance with all applicable rules and regulations. As a company regulated by the National Energy Board (NEB), KMC must have an emergency management program that anticipates, prevents, manages and mitigates conditions during the unlikely event of an emergency.

Training and exercises are integral to KMC’s safety and emergency preparedness program to ensure a quick and efficient response. KMC conducts regular exercises to meet its regulatory requirements. Exercise priorities are set on an annual basis in accordance with requirements of regulatory bodies and the KMC Emergency Management Program.

KMC uses the internationally recognized Incident Command System (ICS) to respond to emergencies and aims to work collaboratively with regional partners, including, local first responders, Western Canada Marine Response Corporation (WCMRC), First Nations and government agencies to build relationships and practice the multi-party aspects of ICS. The City of Richmond is being invited to participate because of the City’s interest expressed in the KMC Emergency Management Program to date, or because KMC believes the City’s feedback on the emergency response exercise can contribute to the enhancement of the current emergency management program for the proposed Trans Mountain Expansion Project.

The exercise the City is being invited to observe is a full-day table top and deployment event. The scenario will be based upon a hypothetical 160 cubic meter spill of crude oil from the loading arm during ship loading operations at the Westridge Marine Terminal. No simulated products will be used on the water for this deployment drill, and potential product movements will be modeled by computer.
Observer Program Details

Opportunity on October 29, 2015:
- Three hour (morning or afternoon) observation of the emergency preparedness exercise, including:
  - tour of Incident Command Post
  - emergency management presentation
  - briefing by an exercise participant
  - bus tour of the simulated incident site
- Transportation for the incident site tour and lunch will be provided.
- Due to the anticipated interest in this program, space will be held for your organization until October 15, 2015.
- Tour times and itineraries will be sent directly to the participants on registration.

To confirm your spot(s) by October 15, 2015:
- RSVP to Chandell Sanford (Chandell_Sanford@transmountain.com) with the name and contact email of the individual who will be participating.

We look forward to your response and hope that the City can join us to learn more about Kinder Morgan Canada’s Emergency Management Plan. If you have any questions about the Observer Program please contact Kelly Malinoski, Manager, Emergency Management at 403-514-6538 or at Kelly_malinoski@kindermorgan.com.

Sincerely,

Jamie Kereliuk
Director, Emergency Management
Kinder Morgan Canada Inc.
Jamie_kereliuk@kindermorgan.com
September 16, 2015

Ron Casey
Sergeant Emergency Operations Manager
RCMP
via email: orr-pio@rcmp-grc.gc.ca

RE: Westridge Marine Terminal, Burnaby, BC - Full Scale Exercise
Invitation to Participate in Observer Program

Dear Sergeant Casey,

Kinder Morgan Canada (KMC) would like to invite one participant from RCMP’s Operational Readiness and Response to observe a full-scale emergency management and response exercise for Westridge Marine Terminal, Burnaby, BC on October 29, 2015.

KMC is committed to public safety, protection of the environment and operation of its facilities in compliance with all applicable rules and regulations. As a company regulated by the National Energy Board (NEB), KMC must have an emergency management program that anticipates, prevents, manages and mitigates conditions during the unlikely event of an emergency.

Training and exercises are integral to KMC’s safety and emergency preparedness program to ensure a quick and efficient response. KMC conducts regular exercises to meet its regulatory requirements. Exercise priorities are set on an annual basis in accordance with requirements of regulatory bodies and the KMC Emergency Management Program.

KMC uses the internationally recognized Incident Command System (ICS) to respond to emergencies and aims to work collaboratively with regional partners, including, local first responders, Western Canada Marine Response Corporation (WCMRC), First Nations and government agencies to build relationships and practice the multi-party aspects of ICS. You are being invited to participate because of your interest expressed in the KMC Emergency Management Program to date, or because KMC believes your feedback on the emergency response exercise can contribute to the enhancement of the current emergency management program for the proposed Trans Mountain Expansion Project.

The exercise you are being invited to observe is a full-day table top and deployment event. The scenario will be based upon a hypothetical 160 cubic meter spill of crude oil from the loading arm during ship loading operations at the Westridge Marine Terminal. No simulated products will be used on the water for this deployment drill, and potential product movements will be modeled by computer.
Observer Program Details

Opportunity on October 29, 2015:

- Three hour (morning or afternoon) observation of the emergency preparedness exercise, including:
  - tour of Incident Command Post
  - emergency management presentation
  - briefing by an exercise participant
  - bus tour of the simulated incident site
- Transportation for the incident site tour and lunch will be provided.
- Due to the anticipated interest in this program, space will be held for your organization until October 15, 2015.
- Tour times and itineraries will be sent directly to the participants on registration.

To confirm your spot(s) by October 15, 2015:

- RSVP to Chandell Sanford (Chandell_Sanford@transmountain.com) with the your name and contact email or those of the individual who will be participating.

We look forward to your response and hope that you can join us to learn more about Kinder Morgan Canada’s Emergency Management Plan. If you have any questions about the Observer Program please contact Kelly Malinoski, Manager, Emergency Management at 403-514-6538 or at Kelly_malinoski@kindermorgan.com.

Sincerely,

Jamie Kereliuk
Director, Emergency Management
Kinder Morgan Canada Inc.
Jamie_kereliuk@kindermorgan.com
September 16, 2015

Julie Wytrwal
Emergency Management - Operational Readiness and Response (ORR)
RCMP
via email: Julie.Wytrwal@rcmp-grc.gc.ca

RE: Westridge Marine Terminal, Burnaby, BC - Full Scale Exercise
   Invitation to Participate in Observer Program

Dear Julie,

Kinder Morgan Canada (KMC) would like to invite two participants from RCMP to observe a full scale emergency management and response exercise for Westridge Marine Terminal, Burnaby, BC on October 29, 2015. We understand you are interested to attend, as well as Cpl Van Nieuwenhizen.

KMC is committed to public safety, protection of the environment and operation of its facilities in compliance with all applicable rules and regulations. As a company regulated by the National Energy Board (NEB), KMC must have an emergency management program that anticipates, prevents, manages and mitigates conditions during the unlikely event of an emergency.

Training and exercises are integral to KMC’s safety and emergency preparedness program to ensure a quick and efficient response. KMC conducts regular exercises to meet its regulatory requirements. Exercise priorities are set on an annual basis in accordance with requirements of regulatory bodies and the KMC Emergency Management Program.

KMC uses the internationally recognized Incident Command System (ICS) to respond to emergencies and aims to work collaboratively with regional partners, including, local first responders, Western Canada Marine Response Corporation (WCMRC), First Nations and government agencies to build relationships and practice the multi-party aspects of ICS. You are being invited to participate because of your interest expressed in the KMC Emergency Management Program to date, or because KMC believes your feedback on the emergency response exercise can contribute to the enhancement of the current emergency management program for the proposed Trans Mountain Expansion Project.

The exercise you are being invited to observe is a full-day table top and deployment event. The scenario will be based upon a hypothetical 160 cubic meter spill of crude oil from the loading arm during ship loading operations at the Westridge Marine Terminal. No simulated products will be used on the water for this deployment drill, and potential product movements will be modeled by computer.
Observer Program Details

Opportunity on October 29, 2015:
- Three hour (morning or afternoon) observation of the emergency preparedness exercise, including:
  - tour of Incident Command Post
  - emergency management presentation
  - briefing by an exercise participant
  - bus tour of the simulated incident site
- Transportation for the incident site tour and lunch will be provided.
- Due to the anticipated interest in this program, space will be held for your organization until October 15, 2015.
- Tour times and itineraries will be sent directly to the participants on registration.

To confirm your spot(s) by October 15, 2015:
- RSVP to Chandell Sanford (Chandell_Sanford@transmountain.com) with the names and contact email of the individuals who will be participating.

We look forward to your response and hope that you can join us to learn more about Kinder Morgan Canada’s Emergency Management Plan. If you have any questions about the Observer Program please contact Kelly Malinoski, Manager, Emergency Management at 403-514-6538 or at Kelly_malinoski@kindermorgan.com.

Sincerely,

Jamie Kereliuk
Director, Emergency Management
Kinder Morgan Canada Inc.
Jamie_kereliuk@kindermorgan.com
September 16, 2015

Richard Stewart
Mayor
City of Coquitlam
via email: rstewart@coquitlam.ca

RE: Westridge Marine Terminal, Burnaby, BC - Full Scale Exercise
   Invitation to Participate in Observer Program

Dear Mayor Stewart,

Kinder Morgan Canada (KMC) would like to invite one participant from City of Coquitlam to observe a full scale emergency management and response exercise for Westridge Marine Terminal, Burnaby, BC on October 29, 2015.

KMC is committed to public safety, protection of the environment and operation of its facilities in compliance with all applicable rules and regulations. As a company regulated by the National Energy Board (NEB), KMC must have an emergency management program that anticipates, prevents, manages and mitigates conditions during the unlikely event of an emergency.

Training and exercises are integral to KMC’s safety and emergency preparedness program to ensure a quick and efficient response. KMC conducts regular exercises to meet its regulatory requirements. Exercise priorities are set on an annual basis in accordance with requirements of regulatory bodies and the KMC Emergency Management Program.

KMC uses the internationally recognized Incident Command System (ICS) to respond to emergencies and aims to work collaboratively with regional partners, including, local first responders, Western Canada Marine Response Corporation (WCMRC), First Nations and government agencies to build relationships and practice the multi-party aspects of ICS. The City of Coquitlam is being invited to participate because of the City’s interest expressed in the KMC Emergency Management Program to date, or because KMC believes the City’s feedback on the emergency response exercise can contribute to the enhancement of the current emergency management program for the proposed Trans Mountain Expansion Project.

The exercise the City of Coquitlam is being invited to observe is a full-day table top and deployment event. The scenario will be based upon a hypothetical 160 cubic meter spill of crude oil from the loading arm during ship loading operations at the Westridge Marine Terminal. No simulated products will be used on the water for this deployment drill, and potential product movements will be modeled by computer.
Observer Program Details

Opportunity on October 29, 2015:

- Three hour (morning or afternoon) observation of the emergency preparedness exercise, including:
  - tour of Incident Command Post
  - emergency management presentation
  - briefing by an exercise participant
  - bus tour of the simulated incident site
- Transportation for the incident site tour and lunch will be provided.
- Due to the anticipated interest in this program, space will be held for your organization until October 15, 2015.
- Tour times and itineraries will be sent directly to the participants on registration.

To confirm your spot(s) by October 15, 2015:

- RSVP to Chandell Sanford (Chandell_Sanford@transmountain.com) with the name and contact email of the individual who will be participating.

We look forward to your response and hope that you can join us to learn more about Kinder Morgan Canada’s Emergency Management Plan. If you have any questions about the Observer Program please contact Kelly Malinoski, Manager, Emergency Management at 403-514-6538 or at Kelly_malinoski@kindermorgan.com.

Sincerely,

Jamie Kereliuk
Director, Emergency Management
Kinder Morgan Canada Inc.
Jamie_kereliuk@kindermorgan.com

cc Greg Kanya via email gkanya@coquitlam.ca
September 16, 2015

Michael Latendresse
Emergency Program Coordinator
Corporation of Delta
via email: emergencyprogram@delta.ca

RE: Westridge Marine Terminal, Burnaby, BC - Full Scale Exercise
Invitation to Participate in Observer Program

Dear Mr. Latendresse,

Kinder Morgan Canada (KMC) would like to invite one participant from the Corporation of Delta to observe a full scale emergency management and response exercise for Westridge Marine Terminal, Burnaby, BC on October 29, 2015.

KMC is committed to public safety, protection of the environment and operation of its facilities in compliance with all applicable rules and regulations. As a company regulated by the National Energy Board (NEB), KMC must have an emergency management program that anticipates, prevents, manages and mitigates conditions during the unlikely event of an emergency.

Training and exercises are integral to KMC’s safety and emergency preparedness program to ensure a quick and efficient response. KMC conducts regular exercises to meet its regulatory requirements. Exercise priorities are set on an annual basis in accordance with requirements of regulatory bodies and the KMC Emergency Management Program.

KMC uses the internationally recognized Incident Command System (ICS) to respond to emergencies and aims to work collaboratively with regional partners, including, local first responders, Western Canada Marine Response Corporation (WCMRC), First Nations and government agencies to build relationships and practice the multi-party aspects of ICS. Delta is being invited to participate because of Delta’s interest expressed in the KMC Emergency Management Program to date, or because KMC believes your municipality’s feedback on the emergency response exercise can contribute to the enhancement of the current emergency management program for the proposed Trans Mountain Expansion Project.

The exercise Delta is being invited to observe is a full-day table top and deployment event. The scenario will be based upon a hypothetical 160 cubic meter spill of crude oil from the loading arm during ship loading operations at the Westridge Marine Terminal. No simulated products will be used on the water for this deployment drill, and potential product movements will be modeled by computer.
Observer Program Details

Opportunity on October 29, 2015:

- Three hour (morning or afternoon) observation of the emergency preparedness exercise, including:
  - tour of Incident Command Post
  - emergency management presentation
  - briefing by an exercise participant
  - bus tour of the simulated incident site
- Transportation for the incident site tour and lunch will be provided.
- Due to the anticipated interest in this program, space will be held for your organization until October 15, 2015.
- Tour times and itineraries will be sent directly to the participants on registration.

To confirm your spot(s) by October 15, 2015:

- RSVP to Chandell Sanford (Chandell_Sanford@transmountain.com) with the name and contact email of the individual who will be participating.

We look forward to your response and hope that you can join us to learn more about Kinder Morgan Canada’s Emergency Management Plan. If you have any questions about the Observer Program please contact Kelly Malinoski, Manager, Emergency Management at 403-514-6538 or at Kelly_malinoski@kindermorgan.com.

Sincerely,

Jamie Kereliuk
Director, Emergency Management
Kinder Morgan Canada Inc.
Jamie_kereliuk@kindermorgan.com
September 16, 2015

Nela Graham  
Industrial Hygienist / Emergency Social Services Director  
Metro Vancouver  
via email: nela.graham@metrovancouver.org

RE:    Westridge Marine Terminal, Burnaby, BC - Full Scale Exercise  
       Invitation to Participate in Observer Program

Dear Ms. Graham,

Kinder Morgan Canada (KMC) would like to invite you to observe a full scale emergency management and response exercise for Westridge Marine Terminal, Burnaby, BC on October 29, 2015. We have allocated two spots for Metro Vancouver, an invitation has also been sent to Rob Nicholls.

KMC is committed to public safety, protection of the environment and operation of its facilities in compliance with all applicable rules and regulations. As a company regulated by the National Energy Board (NEB), KMC must have an emergency management program that anticipates, prevents, manages and mitigates conditions during the unlikely event of an emergency.

Training and exercises are integral to KMC’s safety and emergency preparedness program to ensure a quick and efficient response. KMC conducts regular exercises to meet its regulatory requirements. Exercise priorities are set on an annual basis in accordance with requirements of regulatory bodies and the KMC Emergency Management Program.

KMC uses the internationally recognized Incident Command System (ICS) to respond to emergencies and aims to work collaboratively with regional partners, including, local first responders, Western Canada Marine Response Corporation (WCMRC), First Nations and government agencies to build relationships and practice the multi-party aspects of ICS. Metro Vancouver is being invited to participate because of the interest expressed in the KMC Emergency Management Program to date, or because KMC believes Metro Vancouver’s feedback on the emergency response exercise can contribute to the enhancement of the current emergency management program for the proposed Trans Mountain Expansion Project.

The exercise Metro Vancouver is being invited to observe is a full-day table top and deployment event. The scenario will be based upon a hypothetical 160 cubic meter spill of crude oil from the loading arm during ship loading operations at the Westridge Marine Terminal. No simulated products will be used on the water for this deployment drill, and potential product movements will be modeled by computer.
Observer Program Details

Opportunity on October 29, 2015:
- Three hour (morning or afternoon) observation of the emergency preparedness exercise, including:
  - tour of Incident Command Post
  - emergency management presentation
  - briefing by an exercise participant
  - bus tour of the simulated incident site
- Transportation for the incident site tour and lunch will be provided.
- Due to the anticipated interest in this program, space will be held for your organization until October 15, 2015.
- Tour times and itineraries will be sent directly to the participants on registration.

To confirm your spot(s) by October 15, 2015:
- RSVP to Chandell Sanford (Chandell_Sanford@transmountain.com) with your name and contact email or those of any other individual who will be participating on your behalf.

We look forward to your response and hope that you can join us to learn more about Kinder Morgan Canada’s Emergency Management Plan. If you have any questions about the Observer Program please contact Kelly Malinoski, Manager, Emergency Management at 403-514-6538 or at Kelly_malinoski@kindermorgan.com.

Sincerely,

Jamie Kereliuk
Director, Emergency Management
Kinder Morgan Canada Inc.
Jamie_kereliuk@kindermorgan.com
September 16, 2015

Rob Nicholls
Manager of Safety, Security & Emergency Management Division
Metro Vancouver
via email: rob.nicholls@metrovancouver.org

RE: Westridge Marine Terminal, Burnaby, BC - Full Scale Exercise
Invitation to Participate in Observer Program

Dear Mr. Nicholls,

Kinder Morgan Canada (KMC) would like to invite you to observe a full scale emergency management and response exercise for Westridge Marine Terminal, Burnaby, BC on October 29, 2015. We have allocated two spots to Metro Vancouver, an invitation has also been sent to Nela Graham.

KMC is committed to public safety, protection of the environment and operation of its facilities in compliance with all applicable rules and regulations. As a company regulated by the National Energy Board (NEB), KMC must have an emergency management program that anticipates, prevents, manages and mitigates conditions during the unlikely event of an emergency.

Training and exercises are integral to KMC’s safety and emergency preparedness program to ensure a quick and efficient response. KMC conducts regular exercises to meet its regulatory requirements. Exercise priorities are set on an annual basis in accordance with requirements of regulatory bodies and the KMC Emergency Management Program.

KMC uses the internationally recognized Incident Command System (ICS) to respond to emergencies and aims to work collaboratively with regional partners, including, local first responders, Western Canada Marine Response Corporation (WCMRC), First Nations and government agencies to build relationships and practice the multi-party aspects of ICS. You are being invited to participate because of your interest expressed in the KMC Emergency Management Program to date, or because KMC believes Metro Vancouver’s feedback on the emergency response exercise can contribute to the enhancement of the current emergency management program for the proposed Trans Mountain Expansion Project.

The exercise Metro Vancouver is being invited to observe is a full-day table top and deployment event. The scenario will be based upon a hypothetical 160 cubic meter spill of crude oil from the loading arm during ship loading operations at the Westridge Marine Terminal. No simulated products will be used on the water for this deployment drill, and potential product movements will be modeled by computer.
Observer Program Details

Opportunity on October 29, 2015:

- Three hour (morning or afternoon) observation of the emergency preparedness exercise, including:
  - tour of Incident Command Post
  - emergency management presentation
  - briefing by an exercise participant
  - bus tour of the simulated incident site
- Transportation for the incident site tour and lunch will be provided.
- Due to the anticipated interest in this program, space will be held for your organization until October 15, 2015.
- Tour times and itineraries will be sent directly to the participants on registration.

To confirm your spot(s) by October 15, 2015:

- RSVP to Chandell Sanford (Chandell_Sanford@transmountain.com) with your name and contact email or those of any other individual who will be participating on your behalf.

We look forward to your response and hope that you can join us to learn more about Kinder Morgan Canada’s Emergency Management Plan. If you have any questions about the Observer Program please contact Kelly Malinoski, Manager, Emergency Management at 403-514-6538 or at Kelly_malinoski@kindermorgan.com.

Sincerely,

Jamie Kereliuk
Director, Emergency Management
Kinder Morgan Canada Inc.
Jamie_kereliuk@kindermorgan.com
September 16, 2015

Jonathan Coté
Mayor
City of New Westminster
via email: jcote@newwestcity.ca

RE: Westridge Marine Terminal, Burnaby, BC - Full Scale Exercise
    Invitation to Participate in Observer Program

Dear Mayor Coté,

Kinder Morgan Canada (KMC) would like to invite one participant from City of New Westminster to observe a full scale emergency management and response exercise for Westridge Marine Terminal, Burnaby, BC on October 29, 2015.

KMC is committed to public safety, protection of the environment and operation of its facilities in compliance with all applicable rules and regulations. As a company regulated by the National Energy Board (NEB), KMC must have an emergency management program that anticipates, prevents, manages and mitigates conditions during the unlikely event of an emergency.

Training and exercises are integral to KMC’s safety and emergency preparedness program to ensure a quick and efficient response. KMC conducts regular exercises to meet its regulatory requirements. Exercise priorities are set on an annual basis in accordance with requirements of regulatory bodies and the KMC Emergency Management Program.

KMC uses the internationally recognized Incident Command System (ICS) to respond to emergencies and aims to work collaboratively with regional partners, including, local first responders, Western Canada Marine Response Corporation (WCMRC), First Nations and government agencies to build relationships and practice the multi-party aspects of ICS. The City of New Westminster is being invited to participate because of the City’s interest expressed in the KMC Emergency Management Program to date, or because KMC believes the City’s feedback on the emergency response exercise can contribute to the enhancement of the current emergency management program for the proposed Trans Mountain Expansion Project.

The exercise New Westminster is being invited to observe is a full-day table top and deployment event. The scenario will be based upon a hypothetical 160 cubic meter spill of crude oil from the loading arm during ship loading operations at the Westridge Marine Terminal. No simulated products will be used on the water for this deployment drill, and potential product movements will be modeled by computer.
Observer Program Details

Opportunity on October 29, 2015:

- Three hour (morning or afternoon) observation of the emergency preparedness exercise, including:
  - tour of Incident Command Post
  - emergency management presentation
  - briefing by an exercise participant
  - bus tour of the simulated incident site
- Transportation for the incident site tour and lunch will be provided.
- Due to the anticipated interest in this program, space will be held for your organization until October 15, 2015.
- Tour times and itineraries will be sent directly to the participants on registration.

To confirm your spot(s) by October 15, 2015:
- RSVP to Chandell Sanford (Chandell_Sanford@transmountain.com) with the name and contact email of the individual who will be participating.

We look forward to your response and hope that you can join us to learn more about Kinder Morgan Canada’s Emergency Management Plan. If you have any questions about the Observer Program please contact Kelly Malinoski, Manager, Emergency Management at 403-514-6538 or at Kelly_malinoski@kindermorgan.com.

Sincerely,

Jamie Kereliuk
Director, Emergency Management
Kinder Morgan Canada Inc.
Jamie_kereliuk@kindermorgan.com

cc Cory McLaren via email nwemo@newwestcity.ca
September 16, 2015

Gary Beuk
Senior Advisor, Emergency Preparedness & Response
Imperial
via email: gary.a.beuk@esso.ca

RE: Westridge Marine Terminal, Burnaby, BC - Full Scale Exercise
   Invitation to Participate in Observer Program

Dear Mr. Beuk,

Kinder Morgan Canada (KMC) would like to invite one participant from Imperial to observe a full scale emergency management and response exercise for Westridge Marine Terminal, Burnaby, BC on October 29, 2015.

KMC is committed to public safety, protection of the environment and operation of its facilities in compliance with all applicable rules and regulations. As a company regulated by the National Energy Board (NEB), KMC must have an emergency management program that anticipates, prevents, manages and mitigates conditions during the unlikely event of an emergency.

Training and exercises are integral to KMC’s safety and emergency preparedness program to ensure a quick and efficient response. KMC conducts regular exercises to meet its regulatory requirements. Exercise priorities are set on an annual basis in accordance with requirements of regulatory bodies and the KMC Emergency Management Program.

KMC uses the internationally recognized Incident Command System (ICS) to respond to emergencies and aims to work collaboratively with regional partners, including, local first responders, Western Canada Marine Response Corporation (WCMRC), First Nations and government agencies to build relationships and practice the multi-party aspects of ICS. Imperial is being invited to participate because of the company’s interest expressed in the KMC Emergency Management Program to date, or because KMC believes Imperial’s feedback on the emergency response exercise can contribute to the enhancement of the current emergency management program for the proposed Trans Mountain Expansion Project.

The exercise Imperial is being invited to observe is a full-day table top and deployment event. The scenario will be based upon a hypothetical 160 cubic meter spill of crude oil from the loading arm during ship loading operations at the Westridge Marine Terminal. No simulated products will be used on the water for this deployment drill, and potential product movements will be modeled by computer.
Observer Program Details

Opportunity on October 29, 2015:

• Three hour (morning or afternoon) observation of the emergency preparedness exercise, including:
  o tour of Incident Command Post
  o emergency management presentation
  o briefing by an exercise participant
  o bus tour of the simulated incident site
• Transportation for the incident site tour and lunch will be provided.
• Due to the anticipated interest in this program, space will be held for your organization until October 15, 2015.
• Tour times and itineraries will be sent directly to the participants on registration.

To confirm your spot(s) by October 15, 2015:
• RSVP to Chandell Sanford (Chandell_Sanford@transmountain.com) with the name and contact email of the individual who will be participating.

We look forward to your response and hope that you can join us to learn more about Kinder Morgan Canada’s Emergency Management Plan. If you have any questions about the Observer Program please contact Kelly Malinoski, Manager, Emergency Management at 403-514-6538 or at Kelly_malinoski@kindermorgan.com.

Sincerely,

Jamie Kereliuk
Director, Emergency Management
Kinder Morgan Canada Inc.
Jamie_kereliuk@kindermorgan.com
September 16, 2015

Bill Jahelka
Corporate Emergency Response Specialist
Suncor
via email: wjahelka@suncor.com

RE: Westridge Marine Terminal, Burnaby, BC - Full Scale Exercise
Invitation to Participate in Observer Program

Dear Mr. Jahelka,

Kinder Morgan Canada (KMC) would like to invite one participant from Suncor to observe a full scale emergency management and response exercise for Westridge Marine Terminal, Burnaby, BC on October 29, 2015.

KMC is committed to public safety, protection of the environment and operation of its facilities in compliance with all applicable rules and regulations. As a company regulated by the National Energy Board (NEB), KMC must have an emergency management program that anticipates, prevents, manages and mitigates conditions during the unlikely event of an emergency.

Training and exercises are integral to KMC’s safety and emergency preparedness program to ensure a quick and efficient response. KMC conducts regular exercises to meet its regulatory requirements. Exercise priorities are set on an annual basis in accordance with requirements of regulatory bodies and the KMC Emergency Management Program.

KMC uses the internationally recognized Incident Command System (ICS) to respond to emergencies and aims to work collaboratively with regional partners, including, local first responders, Western Canada Marine Response Corporation (WCMRC), First Nations and government agencies to build relationships and practice the multi-party aspects of ICS. Suncor is being invited to participate because of the company’s interest expressed in the KMC Emergency Management Program to date, or because KMC believes Suncor’s feedback on the emergency response exercise can contribute to the enhancement of the current emergency management program for the proposed Trans Mountain Expansion Project.

The exercise Suncor is being invited to observe is a full-day table top and deployment event. The scenario will be based upon a hypothetical 160 cubic meter spill of crude oil from the loading arm during ship loading operations at the Westridge Marine Terminal. No simulated products will be used on the water for this deployment drill, and potential product movements will be modeled by computer.
Observer Program Details

Opportunity on October 29, 2015:

- Three hour (morning or afternoon) observation of the emergency preparedness exercise, including:
  - tour of Incident Command Post
  - emergency management presentation
  - briefing by an exercise participant
  - bus tour of the simulated incident site
- Transportation for the incident site tour and lunch will be provided.
- Due to the anticipated interest in this program, space will be held for your organization until October 15, 2015.
- Tour times and itineraries will be sent directly to the participants on registration.

To confirm your spot(s) by October 15, 2015:

- RSVP to Chandell Sanford (Chandell_Sanford@transmountain.com) with the names and contact email of the individuals who will be participating.

We look forward to your response and hope that you can join us to learn more about Kinder Morgan Canada’s Emergency Management Plan. If you have any questions about the Observer Program please contact Kelly Malinoski, Manager, Emergency Management at 403-514-6538 or at Kelly_malinoski@kindermorgan.com.

Sincerely,

Jamie Kereliuk
Director, Emergency Management
Kinder Morgan Canada Inc.
jamie_kereliuk@kindermorgan.com

via email
September 16, 2015

Linda Hepner
Mayor
City of Surrey
via email: mayor@surrey.ca

RE: Westridge Marine Terminal, Burnaby, BC - Full Scale Exercise
Invitation to Participate in Observer Program

Dear Mayor Hepner,

Kinder Morgan Canada (KMC) would like to invite one participant from City of Surrey to observe a full scale emergency management and response exercise for Westridge Marine Terminal, Burnaby, BC on October 29, 2015.

KMC is committed to public safety, protection of the environment and operation of its facilities in compliance with all applicable rules and regulations. As a company regulated by the National Energy Board (NEB), KMC must have an emergency management program that anticipates, prevents, manages and mitigates conditions during the unlikely event of an emergency.

Training and exercises are integral to KMC’s safety and emergency preparedness program to ensure a quick and efficient response. KMC conducts regular exercises to meet its regulatory requirements. Exercise priorities are set on an annual basis in accordance with requirements of regulatory bodies and the KMC Emergency Management Program.

KMC uses the internationally recognized Incident Command System (ICS) to respond to emergencies and aims to work collaboratively with regional partners, including, local first responders, Western Canada Marine Response Corporation (WCMRC), First Nations and government agencies to build relationships and practice the multi-party aspects of ICS. The City of Surrey is being invited to participate because of the City’s interest expressed in the KMC Emergency Management Program to date, or because KMC believes the City’s feedback on the emergency response exercise can contribute to the enhancement of the current emergency management program for the proposed Trans Mountain Expansion Project.

The exercise the City is being invited to observe is a full-day table top and deployment event. The scenario will be based upon a hypothetical 160 cubic meter spill of crude oil from the loading arm during ship loading operations at the Westridge Marine Terminal. No simulated products will be used on the water for this deployment drill, and potential product movements will be modeled by computer.
Observer Program Details

Opportunity on October 29, 2015:

- Three hour (morning or afternoon) observation of the emergency preparedness exercise, including:
  - tour of Incident Command Post
  - emergency management presentation
  - briefing by an exercise participant
  - bus tour of the simulated incident site
- Transportation for the incident site tour and lunch will be provided.
- Due to the anticipated interest in this program, space will be held for your organization until October 15, 2015.
- Tour times and itineraries will be sent directly to the participants on registration.

To confirm your spot(s) by October 15, 2015:

- RSVP to Chandell Sanford (Chandell_Sanford@transmountain.com) with the name and contact email of the individual who will be participating.

We look forward to your response and hope that you can join us to learn more about Kinder Morgan Canada’s Emergency Management Plan. If you have any questions about the Observer Program please contact Kelly Malinoski, Manager, Emergency Management at 403-514-6538 or at Kelly_malinoski@kindermorgan.com.

Sincerely,

Jamie Kereliuk
Director, Emergency Management
Kinder Morgan Canada Inc.
Jamie_kereliuk@kindermorgan.com

cc Dan Barnscher via email DABarnscher@surrey.ca
September 16, 2015

Don Beer  
Fire Chief  
Abbotsford  
via email: dbeer@abbotsford.ca

RE: Westridge Marine Terminal, Burnaby, BC - Full Scale Exercise  
Invitation to Participate in Observer Program

Dear Chief Beer,

Kinder Morgan Canada (KMC) would like to invite one participant from the City of Abbotsford to observe a full scale emergency management and response exercise for Westridge Marine Terminal, Burnaby, BC on October 29, 2015.

KMC is committed to public safety, protection of the environment and operation of its facilities in compliance with all applicable rules and regulations. As a company regulated by the National Energy Board (NEB), KMC must have an emergency management program that anticipates, prevents, manages and mitigates conditions during the unlikely event of an emergency.

Training and exercises are integral to KMC’s safety and emergency preparedness program to ensure a quick and efficient response. KMC conducts regular exercises to meet its regulatory requirements. Exercise priorities are set on an annual basis in accordance with requirements of regulatory bodies and the KMC Emergency Management Program.

KMC uses the internationally recognized Incident Command System (ICS) to respond to emergencies and aims to work collaboratively with regional partners, including, local first responders, Western Canada Marine Response Corporation (WCMRC), First Nations and government agencies to build relationships and practice the multi-party aspects of ICS. Abbotsford is being invited to participate because of the City’s interest expressed in the KMC Emergency Management Program to date, or because KMC believes Abbotsford’s feedback on the emergency response exercise can contribute to the enhancement of the current emergency management program for the proposed Trans Mountain Expansion Project.

The exercise Abbotsford is being invited to observe is a full-day table top and deployment event. The scenario will be based upon a hypothetical 160 cubic meter spill of crude oil from the loading arm during ship loading operations at the Westridge Marine Terminal. No simulated products will be used on the water for this deployment drill, and potential product movements will be modeled by computer.
Observer Program Details

Opportunity on October 29, 2015:
- Three hour (morning or afternoon) observation of the emergency preparedness exercise, including:
  - tour of Incident Command Post
  - emergency management presentation
  - briefing by an exercise participant
  - bus tour of the simulated incident site
- Transportation for the incident site tour and lunch will be provided.
- Due to the anticipated interest in this program, space will be held for your organization until October 15, 2015.
- Tour times and itineraries will be sent directly to the participants on registration.

To confirm your spot(s) by October 15, 2015:
- RSVP to Chandell Sanford (Chandell_Sanford@transmountain.com) with the name and contact email of the individual who will be participating.

We look forward to your response and hope that you can join us to learn more about Kinder Morgan Canada’s Emergency Management Plan. If you have any questions about the Observer Program please contact Kelly Malinoski, Manager, Emergency Management at 403-514-6538 or at Kelly_malinoski@kindermorgan.com.

Sincerely,

Jamie Kereliuk
Director, Emergency Management
Kinder Morgan Canada Inc.
Jamie_kereliuk@kindermorgan.com
September 16, 2015

Dan Sutherland
Assistant Chief Support Services
City of Kamloops
via email: dsutherland@kamloops.ca

RE: Westridge Marine Terminal, Burnaby, BC - Full Scale Exercise
Invitation to Participate in Observer Program

Dear Assistant Chief Sutherland,

Kinder Morgan Canada (KMC) would like to invite one participant from the City of Kamloops to observe a full scale emergency management and response exercise for Westridge Marine Terminal, Burnaby, BC on October 29, 2015.

KMC is committed to public safety, protection of the environment and operation of its facilities in compliance with all applicable rules and regulations. As a company regulated by the National Energy Board (NEB), KMC must have an emergency management program that anticipates, prevents, manages and mitigates conditions during the unlikely event of an emergency.

Training and exercises are integral to KMC’s safety and emergency preparedness program to ensure a quick and efficient response. KMC conducts regular exercises to meet its regulatory requirements. Exercise priorities are set on an annual basis in accordance with requirements of regulatory bodies and the KMC Emergency Management Program.

KMC uses the internationally recognized Incident Command System (ICS) to respond to emergencies and aims to work collaboratively with regional partners, including, local first responders, Western Canada Marine Response Corporation (WCMRC), First Nations and government agencies to build relationships and practice the multi-party aspects of ICS. The City of Kamloops is being invited to participate because of the City’s interest expressed in the KMC Emergency Management Program to date, or because KMC believes the City’s feedback on the emergency response exercise can contribute to the enhancement of the current emergency management program for the proposed Trans Mountain Expansion Project.

The exercise your City of Kamloops is being invited to observe is a full-day table top and deployment event. The scenario will be based upon a hypothetical 160 cubic meter spill of crude oil from the loading arm during ship loading operations at the Westridge Marine Terminal. No simulated products will be used on the water for this deployment drill, and potential product movements will be modeled by computer.
Observer Program Details

Opportunity on October 29, 2015:

- Three hour (morning or afternoon) observation of the emergency preparedness exercise, including:
  - tour of Incident Command Post
  - emergency management presentation
  - briefing by an exercise participant
  - bus tour of the simulated incident site
- Transportation for the incident site tour and lunch will be provided.
- Due to the anticipated interest in this program, space will be held for your organization until October 15, 2015.
- Tour times and itineraries will be sent directly to the participants on registration.

To confirm your spot(s) by October 15, 2015:

- RSVP to Chandell Sanford (Chandell_Sanford@transmountain.com) with the name and contact email of the individual who will be participating.

We look forward to your response and hope that you can join us to learn more about Kinder Morgan Canada’s Emergency Management Plan. If you have any questions about the Observer Program please contact Kelly Malinoski, Manager, Emergency Management at 403-514-6538 or at Kelly_malinoski@kindermorgan.com.

Sincerely,

Jamie Kereliuk
Director, Emergency Management
Kinder Morgan Canada Inc.
Jamie_kereliuk@kindermorgan.com
September 16, 2015

Iain Bushell
Fire Chief
Strathcona County
via email: iain.bushell@strathcona.ca

RE: Westridge Marine Terminal, Burnaby, BC - Full Scale Exercise
Invitation to Participate in Observer Program

Dear Chief Bushell,

Kinder Morgan Canada (KMC) would like to invite two participants from Strathcona County to observe a full scale emergency management and response exercise for Westridge Marine Terminal, Burnaby, BC on October 29, 2015.

KMC is committed to public safety, protection of the environment and operation of its facilities in compliance with all applicable rules and regulations. As a company regulated by the National Energy Board (NEB), KMC must have an emergency management program that anticipates, prevents, manages and mitigates conditions during the unlikely event of an emergency.

Training and exercises are integral to KMC’s safety and emergency preparedness program to ensure a quick and efficient response. KMC conducts regular exercises to meet its regulatory requirements. Exercise priorities are set on an annual basis in accordance with requirements of regulatory bodies and the KMC Emergency Management Program.

KMC uses the internationally recognized Incident Command System (ICS) to respond to emergencies and aims to work collaboratively with regional partners, including, local first responders, Western Canada Marine Response Corporation (WCMRC), First Nations and government agencies to build relationships and practice the multi-party aspects of ICS. Strathcona County is being invited to participate because of the interest expressed in the KMC Emergency Management Program to date, or because KMC believes the County’s feedback on the emergency response exercise can contribute to the enhancement of the current emergency management program for the proposed Trans Mountain Expansion Project.

The exercise Strathcona County is being invited to observe is a full-day table top and deployment event. The scenario will be based upon a hypothetical 160 cubic meter spill of crude oil from the loading arm during ship loading operations at the Westridge Marine Terminal. No simulated products will be used on the water for this deployment drill, and potential product movements will be modeled by computer.
Observer Program Details

Opportunity on October 29, 2015:

- Three hour (morning or afternoon) observation of the emergency preparedness exercise, including:
  - tour of Incident Command Post
  - emergency management presentation
  - briefing by an exercise participant
  - bus tour of the simulated incident site
- Transportation for the incident site tour and lunch will be provided.
- Due to the anticipated interest in this program, space will be held for your organization until October 15, 2015.
- Tour times and itineraries will be sent directly to the participants on registration.

To confirm your spot(s) by October 15, 2015:

- RSVP to Chandell Sanford (Chandell_Sanford@transmountain.com) with the names and contact email of the individuals who will be participating.

We look forward to your response and hope that you can join us to learn more about Kinder Morgan Canada’s Emergency Management Plan. If you have any questions about the Observer Program please contact Kelly Malinoski, Manager, Emergency Management at 403-514-6538 or at Kelly_malinoski@kindermorgan.com.

Sincerely,

Jamie Kereliuk
Director, Emergency Management
Kinder Morgan Canada Inc.
Jamie_kereliuk@kindermorgan.com
September 16, 2015

Doug Forsdick
Chief Conservation Officer
BC Parks
via email: doug.forsdick@gov.bc.ca

RE: Westridge Marine Terminal, Burnaby, BC - Full Scale Exercise
Invitation to Participate in Observer Program

Dear Mr. Forsdick,

Kinder Morgan Canada (KMC) would like to invite one participant from BC Parks to observe a full scale emergency management and response exercise for Westridge Marine Terminal, Burnaby, BC on October 29, 2015.

KMC is committed to public safety, protection of the environment and operation of its facilities in compliance with all applicable rules and regulations. As a company regulated by the National Energy Board (NEB), KMC must have an emergency management program that anticipates, prevents, manages and mitigates conditions during the unlikely event of an emergency.

Training and exercises are integral to KMC’s safety and emergency preparedness program to ensure a quick and efficient response. KMC conducts regular exercises to meet its regulatory requirements. Exercise priorities are set on an annual basis in accordance with requirements of regulatory bodies and the KMC Emergency Management Program.

KMC uses the internationally recognized Incident Command System (ICS) to respond to emergencies and aims to work collaboratively with regional partners, including, local first responders, Western Canada Marine Response Corporation (WCMRC), First Nations and government agencies to build relationships and practice the multi-party aspects of ICS. BC Parks is being invited to participate because of the interest expressed in the KMC Emergency Management Program to date, or because KMC believes your organization’s feedback on the emergency response exercise can contribute to the enhancement of the current emergency management program for the proposed Trans Mountain Expansion Project.

The exercise BC Parks is being invited to observe is a full-day table top and deployment event. The scenario will be based upon a hypothetical 160 cubic meter spill of crude oil from the loading arm during ship loading operations at the Westridge Marine Terminal. No simulated products will be used on the water for this deployment drill, and potential product movements will be modeled by computer.
Observer Program Details

Opportunity on October 29, 2015:

- Three hour (morning or afternoon) observation of the emergency preparedness exercise, including:
  - tour of Incident Command Post
  - emergency management presentation
  - briefing by an exercise participant
  - bus tour of the simulated incident site
- Transportation for the incident site tour and lunch will be provided.
- Due to the anticipated interest in this program, space will be held for your organization until October 15, 2015.
- Tour times and itineraries will be sent directly to the participants on registration.

To confirm your spot(s) by October 15, 2015:

- RSVP to Chandell Sanford (Chandell_Sanford@transmountain.com) with the name and contact email of the individual who will be participating.

We look forward to your response and hope that you can join us to learn more about Kinder Morgan Canada’s Emergency Management Plan. If you have any questions about the Observer Program please contact Kelly Malinoski, Manager, Emergency Management at 403-514-6538 or at Kelly_malinoski@kindermorgan.com.

Sincerely,

Jamie Kereliuk
Director, Emergency Management
Kinder Morgan Canada Inc.
Jamie_kereliuk@kindermorgan.com
September 16, 2015

Jurgen Deagle
Emergency Spill Response Coordinator
Parks Canada
via email: Jurgen.deagle@pc.gc.ca

RE: Westridge Marine Terminal, Burnaby, BC - Full Scale Exercise
Invitation to Participate in Observer Program

Dear Ms. Deagle,

Kinder Morgan Canada (KMC) would like to invite one participant from Parks Canada to observe a full scale emergency management and response exercise for Westridge Marine Terminal, Burnaby, BC on October 29, 2015.

KMC is committed to public safety, protection of the environment and operation of its facilities in compliance with all applicable rules and regulations. As a company regulated by the National Energy Board (NEB), KMC must have an emergency management program that anticipates, prevents, manages and mitigates conditions during the unlikely event of an emergency.

Training and exercises are integral to KMC’s safety and emergency preparedness program to ensure a quick and efficient response. KMC conducts regular exercises to meet its regulatory requirements. Exercise priorities are set on an annual basis in accordance with requirements of regulatory bodies and the KMC Emergency Management Program.

KMC uses the internationally recognized Incident Command System (ICS) to respond to emergencies and aims to work collaboratively with regional partners, including, local first responders, Western Canada Marine Response Corporation (WCMRC), First Nations and government agencies to build relationships and practice the multi-party aspects of ICS. Parks Canada is being invited to participate because of the interest expressed in the KMC Emergency Management Program to date, or because KMC believes your organization’s feedback on the emergency response exercise can contribute to the enhancement of the current emergency management program for the proposed Trans Mountain Expansion Project.

The exercise Parks Canada is being invited to observe is a full-day table top and deployment event. The scenario will be based upon a hypothetical 160 cubic meter spill of crude oil from the loading arm during ship loading operations at the Westridge Marine Terminal. No simulated products will be used on the water for this deployment drill, and potential product movements will be modeled by computer.
Observer Program Details

Opportunity on October 29, 2015:

- Three hour (morning or afternoon) observation of the emergency preparedness exercise, including:
  - tour of Incident Command Post
  - emergency management presentation
  - briefing by an exercise participant
  - bus tour of the simulated incident site

- Transportation for the incident site tour and lunch will be provided.

- Due to the anticipated interest in this program, space will be held for your organization until October 15, 2015.

- Tour times and itineraries will be sent directly to the participants on registration.

To confirm your spot(s) by October 15, 2015:

- RSVP to Chandell Sanford (Chandell_Sanford@transmountain.com) with the name and contact email of the individual who will be participating.

We look forward to your response and hope that you can join us to learn more about Kinder Morgan Canada’s Emergency Management Plan. If you have any questions about the Observer Program please contact Kelly Malinoski, Manager, Emergency Management at 403-514-6538 or at Kelly_malinoski@kindermorgan.com.

Sincerely,

Jamie Kereliuk
Director, Emergency Management
Kinder Morgan Canada Inc.
Jamie_kereliuk@kindermorgan.com
Exercise -
Notice to Stakeholders
NOTICE OF EMERGENCY RESPONSE EXERCISE

This is a notice of the Emergency Response Exercise scheduled to take place near the Kinder Morgan Canada’s Westridge Marine Terminal, Burnaby’s shoreline of Burrard Inlet on October 29, 2015.

The purpose of the exercise is to practice on-water deployment of containment boom and use of emergency response equipment. You may notice increased activity on the water including vessels and equipment including containment boom as part of the simulation.

Regular training and exercises are integral to Kinder Morgan Canada’s safety and emergency preparedness program and regulatory compliance.

If you have any questions, please call 1.866.241.6700 or info@transmountain.com.

Thank you.
Sign In Sheets for Westridge Marine Terminal Full Scale Emergency Exercise

October 29, 2015
Fact Sheets - part of Observer Tour Package
About Kinder Morgan Canada
Kinder Morgan Canada (KMC) is committed to public safety, protection of the environment and operation of its facilities in compliance with all applicable rules and regulations. KMC ensures public safety and safe pipeline and terminal operations through employee training, regular testing of emergency response procedures and plans, right-of-way aerial and foot patrols and adherence to our comprehensive Integrity Management Plan and Procedures.

About this Exercise
As a federally and provincially regulated company, today’s exercise is one of our regulatory requirements and provides an opportunity for KMC response personnel to practice the activation and implementation of the Westridge Marine Terminal Emergency Response Plan (ERP). It further provides an opportunity for a co-ordinated and co-operative response between various emergency management agencies and responders.

The exercise scenario is designed to simulate a release of crude oil from the loading arm at the Westridge dock where approximately 160m³ of product will enter the water. It will be a full-scale exercise involving an actual field deployment of personnel and spill response equipment at the terminal, and integration and the implementation of Western Canada Marine Response Corporation’s (WCMRC) on-water response team in Burrard Inlet.

The exercise involves the activation of an Incident Command Post to practice Unified Command and enhance the understanding of inter-agency co-ordination and multi-jurisdictional roles and responsibilities. Participants in the Incident Command Post will be further challenged by receiving and reacting to real-time exercise developments and changes inputted by a group of participants working out of a simulation centre.

The National Energy Board (NEB), Transport Canada, Canadian Coast Guard, BC Ministry of Environment, Port Metro Vancouver and WCMRC were involved with the design of the exercise. These parties are also participating in the exercise by actively filling roles they would in a real response scenario.

Training Goals
Each year, KMC conducts approximately 20 emergency management trainings and exercises which include deployments, table-top and communication exercises. The Westridge Marine Terminal Emergency Exercise is part of KMC’s comprehensive emergency management program.

The overall goals of the training and exercise program are to ensure:

• The emergency response plan is adequate to ensure a quick, efficient and effective response in the unlikely event of an incident
• KMC response personnel are trained in the use of available equipment and resources
Equipment Deployment

The objectives of the field deployment exercise at Westridge Marine Terminal are:

- Placement of a secondary containment boom by KMC personnel within one hour of the simulated release start time
- WCMRC to implement protection boom strategies consistent with its established geographic response plans
- Demonstrate effective on-water communication with participating agencies and contractors, including on-water to shoreline communication
- Identify hot, warm and cold zones for incident site management

Command Post

KMC uses the Incident Command System (ICS) to manage incidents. ICS is an internationally recognized management system that clearly defines roles and responsibilities with respect to emergency response and includes Unified Command for co-ordination with federal, provincial and municipal agencies as well as Aboriginal groups.

The Incident Command objectives for the Westridge Terminal Emergency Exercise are to:

- Establish a functioning Incident Command Post with full Incident Command System (ICS) staffed for incident size and exercise scale to facilitate a learning environment
- Establish Unified Command with participating agencies
- Establish a Science Table for the incident
- Implement ICS Planning Cycle through the successful completion of a Planning Meeting and presentation of the Incident Action Plan

Participants

This will be the largest emergency exercise KMC has conducted to date, with approximately 300 participants from more than 20 agencies, including federal and provincial regulators, first responders, municipalities, environmental agencies and health authorities.

Contact Us:
Toll free: 1-866-514-6700
Email: info@transmountain.com
Follow us on Twitter: @KM_Canada, @TransMtn
Website: www.kindermorgan.com/pipelinesafety
www.transmountain.com

Mailing Address:
7815 Shellmont Street
Burnaby, BC V5A 4S9
Our Facilities in Burnaby

Information Sheet

Kinder Morgan Canada (KMC) operates a number of pipeline systems and terminal facilities including the Trans Mountain pipeline, the Puget Sound and the Jet Fuel pipelines, the Westridge marine terminal, the Vancouver Wharves terminal in British Columbia and the North Forty terminal in Edmonton, Alberta.

Trans Mountain Pipeline
In operation since 1953, Trans Mountain is the only pipeline system in North America that transports both crude oil and refined petroleum products to the west coast. For over 60 years, the 1,150-km pipeline has been moving products safely from Edmonton, Alberta, to marketing terminals and refineries in the central British Columbia region, the Greater Vancouver area and Puget Sound area in Washington State, as well as to other markets such as California, the U.S. Gulf Coast and overseas through the Westridge marine terminal located in Burnaby, British Columbia.

KMC is proposing an expansion of Trans Mountain, which, if approved, would increase the nominal capacity of the system from 300,000 barrels per day to 890,000 barrels per day.

Burnaby Terminal
The Burnaby Terminal is located at the base of Burnaby Mountain in Burnaby, British Columbia, and is the end point of the Trans Mountain pipeline. It receives both crude oil and refined petroleum products for temporary storage and distribution to local terminals, the local Chevron refinery and the Westridge marine terminal. In operation since 1953, the 188-acre facility houses 13 storage tanks with a shell capacity of approximately 1.685 million barrels (267,894 m³).

Westridge Marine Terminal
In service since 1956, the Westridge marine terminal is located within Port Metro Vancouver on the south shore of Burrard Inlet in Burnaby, British Columbia. The terminal can accommodate ships up to Aframax in size (approximately 120,000 dead weight tons) and barges. In addition to shipping crude oil, the facility also receives and ships jet fuel, which is delivered to the Vancouver International Airport through the Jet Fuel pipeline system. The Westridge marine terminal houses three storage tanks and can handle volumes of approximately 395,000 barrels (63,000 m³).

Jet Fuel Pipeline
The Jet Fuel pipeline system transports jet fuel from the Chevron refinery, Westridge terminal and distribution facilities in the Burnaby area to the Burnaby terminal and then to the Vancouver International Airport terminal. The 41-km pipeline system has been in operation since 1969. It includes five storage tanks at the Vancouver airport terminal with an overall volume of 7,155 m³ (45,000 bbl).

Did you know?
The majority of all gasoline used in the lower mainland of British Columbia arrives as the refined product or crude oil by way of the Trans Mountain Pipeline.
Westridge 2007 Spill Information Sheet
What Happened

On July 24, 2007, a backhoe operated by a third-party contractor accidentally ruptured the Trans Mountain pipeline carrying crude oil to the Westridge Martine Terminal, resulting in the release of crude oil onto Inlet Drive and the surrounding residential area in Burnaby BC. Some of the oil entered the storm drain system and was directly discharged into Burrard Inlet. Three general areas were affected by the spill:

- Residential area
- Foreshore of Burrard Inlet
- Kask Creek

Approximately 224 m3 of heavy synthetic crude oil blend was spilled, of which approximately 40 per cent of the oil entered the storm drain system and reached Burrard Inlet through shoreline storm outfalls, a submerged storm outfall, and Kask Creek. The main entrance point was a submerged storm drain outfall 100 metres west of the Trans Mountain Jetty (part of the Westridge Marine Terminal), where the oil floated to the surface.

Cleanup and Remediation

Approximately 95 per cent (210m3) of the released oil was recovered. An estimated 5.5m3 was not recovered and was considered to be released to the marine environment. Ongoing monitoring of marine plant and animal life in the affected area has shown very good recovery from the spill.

Residential Area

A member of the public contacted the Kinder Morgan Canada (KMC) central control centre on its emergency line within minutes of the line strike. KMC operations personnel in Edmonton, Burnaby and Westridge immediately began taking steps to shut down both the Westridge Crude Line and the nearby Jet Fuel pipeline.

Burnaby Fire Department also received an alarm via 911 and arrived on scene to begin taking emergency measures to control and contain the spilled material, secure the site, control traffic and protect the public. The KMC Environmental, Health and Safety Co-ordinator took initial air quality readings and conducted a site safety briefing for two KMC personnel who had been dispatched to perform continuous air monitoring.

An estimated 225 people were evacuated from the affected area by Burnaby Fire Department and RCMP following the incident. More than half of these people returned home the night of July 24. An estimated 101 evacuees belonging to 42 families spent the night of July 24 in accommodation other than their homes (friends, relatives, hotel or motel). The residents of the most heavily-oiled homes were housed in longer-term alternate accommodation arranged and funded by Kinder Morgan Canada.

In the days following the incident, an assessment of area properties classified eight residential properties as heavily oiled, 15 as moderately oiled and 21 as lightly oiled. All properties that
were affected underwent restoration efforts to attempt to return them to an equivalent or better condition than existed before the spill. Extensive landscaping work was required on several properties and upgraded plantings were installed. One residence received extensive renovations to both its interior and exterior.

Foreshore of Burrard Inlet

Western Canada Marine Response Corporation (WCMRC) responded to the spill within an hour and began booming marine areas within 45 minutes of oil being discharged through the shoreline storm water outfall.

SCAT (Shoreline Cleanup Assessment Technique) was used to identify oiled shorelines, establish cleanup methods and set priorities. Recovery and rehabilitation of affected wildlife was performed through daily surveys for six weeks following the spill.

Helicopter surveys of Burrard Inlet from Port Moody to Indian Arm and westward to First Narrows took place July 27 to August 2, and again on August 7 to identify distribution of oil slicks, patches and affected shoreline. Responders used this information to assign cleanup crews to specific areas.

Ongoing shoreline cleanup took place between July 25 and September 5, with oil removed from 15,000 metres of shoreline, with the majority of spilled material concentrated in a 2,500-metre long strip between the Shell jetty and Barnet Marine Park.

Emergency phase cleanup techniques included:
- Booming—to contain oil around the release points and also exclusion booming to protect sensitive shorelines
- Skimmers and absorbent pads to remove oil
- Manual removal of tar balls, oily debris and oiled Fucus (a type of seaweed commonly found along rocky shorelines in the area)

Post-emergency phase cleanup efforts included:
- Flushing of storm and sanitary sewers, catch basins and manholes with hot or cold water, or in some cases steam. The cleaning of sewers was verified by cameral inspection that followed. All completed in August 2007.

Post-emergency phase environmental work included:
- Cleanup of two rocky shoreline areas at Westridge using a shoreline cleaning formula (August 2007)
- Agitation (tilling) of intertidal sediment at Westridge (May 2008)
- Agitation of sediment at the outlet of a submarine outfall of the Metro Vancouver storm sewer system, offshore from the Westridge Marine Terminal (February 2009).
- A SCAT team composed of First Nations, Port Metro Vancouver and federal, provincial and municipal officials signed off that the shoreline cleanup met the pre-defined recovery end points.

The endpoints included:
- Approved remediation plan for high-use areas, public access shorelines, and sensitive cultural and archaeological resource areas was met in summer 2007.
- Industrial shorelines (except Westridge Marine Terminal) was met in spring 2008.
- Industrial shoreline at Westridge Marine Terminal was met following completion of additional remediation in May 2008.

A long-term monitoring program was developed after the July 2007 spill to monitor recovery of impacted areas, assess changes in levels of contaminants from the spilled oil in the marine environment and evaluate potential effects on marine organisms. The long-term monitoring program began in 2008 and will continue each year until all recovery endpoints in the marine environment are reached and stakeholders have signed off on the program. The monitoring results are evaluated each year to identify whether further remediation is needed. To date, five of the six components have met the recovery endpoints. The components that have been met are: water, intertidal sediment, crabs, subtidal sediment and fucus; there are residual levels of contamination in mussels that have not yet met the agreed upon endpoint levels. Monitoring continues on all components at the present time.

In 2007, two areas at Westridge and Barnet Marine Park were remediated by removal of oiled Fucus and associated biota (collection of organisms). Since 2008, recolonization has occurred. In 2009, 2010 and 2011, Fucus coverage at impacted sites has increased, and abundance and diversity of green and red algae, and invertebrates (barnacles, mussels, grazing molluscs, shoreline crabs) were greater at the impacted sites than at reference sites.

**Kask Creek**

Cleanup of Kask Creek began on July 28, 2007. Vacuum trucks were used to suction oil from the top and bottom of the creek. Controlled flushing of the creek five times with water helped remove any mobile oil downstream. Additional followup occurred on August 3, 2007 with removal of oiled vegetation and debris from the channel and flushing with hot water.

Further remediation included:
- Flushing of storm drains leading to Kask Creek (late August 2007)
- Replacement of an oiled culvert at a road crossing near the foreshore by City of Burnaby and removal of one cubic metre of soil and sediment from upstream of the rail line culvert (September 2007)
- Identification and delineation of contaminated areas in October 2007 and June 2008 and remediation in August 2009. Remediation involved excavation of contaminated soils and sediment from a 65-metre long section of creek and adjacent area with shovels and vacuum suction, backfilling of excavated areas with rip rap and cobbles, replacing removed alders at a 2:1 ratio, and hydroseeding and mulching to stabilize exposed soils

Long-term monitoring was not required for Kask Creek because remediation removed the hydrocarbons related to the incident and, therefore, the potential for any long-term effects.

Further details about cleanup and remediation can be found in the Five-Year Summary of Cleanup and Effects report found here.

**Preventing Future Issues**
While third-party events are not always in the control of KMC, damage prevention and public awareness of the pipeline is an important area of focus for Trans Mountain pipeline safety processes and personnel.

In response to the incident, Kinder Morgan made some fundamental changes to the field organization structure, with the formation of the Pipeline Protection Group, a group whose sole focus is on the protection of the pipeline. The Pipeline Protection Group is responsible for signage marking pipeline location, pipeline patrols and permitting for ground disturbance in proximity to the pipeline.

Following the incident, the Pipeline Protection Group added increased emphasis on promoting the use of BC One Call number (Call Before You Dig) and public and community awareness programs.

Additionally, the surveillance frequency in the Lower Mainland was increased, using both aerial and ground patrols.
Emergency Management Program Overview

October 29, 2015
• We have a robust Emergency Management Program in place today which is required by the National Energy Board and complies with the regulations set out by the regulator.

• It is part of Kinder Morgan Canada's Integrated Safety and Loss Management System (ISLMS).

• In June of 2015 the Emergency Management Department was formed.
Corporate EM Structure

(VP Ops) Hugh Harden

(Director EM) Jamie Kerelik

(Manager EM) Kelly Malinoski

(EM Advisor) Ken McLernon

(EM Protection) Troy Edwards

(EM Analyst) Carolina Urribari

(TMEP EM Lead) Robert LeMay

TMEP and Operations Integration
Kinder Morgan Canada

KMC has an all-hazard assessment process, and keeps a hazard listing. The engineering department is responsible for updating and providing the hazard list to the EM Manager. If a new condition appears, the program is evaluated to ensure there are procedures for an associated emergency response plan. Hazard assessment is considered in the annual review of the emergency response plans.

Each hazard is categorized into 4 EM conditions:
- Injury/fatality covered by H&S Plan
- Spill/fire
- Fire/explosion
- Spill

Considered in the annual review of the emergency response plans:
- Injury/fatality covered by H&S Plan
- Spill/fire
- Fire/explosion
- Spill
Planning Standard

It is a standard by which response planning can occur.
Fundamental document that:
- Determines the type, extent, and location of response equipment/personnel and sets target time frames
- Defines terminology for use in the management system documentation
- Based on credible worst case scenario calculations
<table>
<thead>
<tr>
<th>Response Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Immediate</td>
<td>Confirmed Emergency – Shutdown of Operations</td>
</tr>
<tr>
<td>30 minutes</td>
<td>Initial ERL conference call</td>
</tr>
<tr>
<td>1 hour</td>
<td>Initial Site Safety Assessment</td>
</tr>
<tr>
<td>6 hours</td>
<td>Emergency Response Equipment</td>
</tr>
<tr>
<td>12 hours</td>
<td>Incident Command Post</td>
</tr>
<tr>
<td>24+ hours</td>
<td>Additional Equipment as needed</td>
</tr>
<tr>
<td>Westridge Only – Placement of secondary containment boom is complete</td>
<td></td>
</tr>
</tbody>
</table>
To meet the desired response times the following equipment requirements have been established:

- **Resources Requirements:**

<table>
<thead>
<tr>
<th>Minimum Storage in Barrels</th>
<th>Skimming Capacity (Feet)</th>
<th>Boom (as needed)</th>
<th>Travel Time (hours)</th>
</tr>
</thead>
<tbody>
<tr>
<td>as needed 25%</td>
<td>as needed 48+</td>
<td>3xEDRC</td>
<td>24</td>
</tr>
<tr>
<td>2,000 20%</td>
<td>as needed 24</td>
<td>2xEDRC</td>
<td>12</td>
</tr>
<tr>
<td>5,000 15%</td>
<td>2000 6</td>
<td>1xEDRC</td>
<td>6</td>
</tr>
<tr>
<td>20,000 10%</td>
<td>5,000 6</td>
<td>n/a</td>
<td>2</td>
</tr>
<tr>
<td>48+ as needed</td>
<td>2,000 25%</td>
<td>n/a</td>
<td></td>
</tr>
</tbody>
</table>

Planning Standard cont.
Planning Standard cont.

People Requirements (for the establishment of a 24/7 response organization):

- All other positions will be staffed with employees or contractors.

  Manager, Situation Unit Leader, and Documentation Unit Leader.

  5 identified and trained responders: Finance Section Chief, Staging Area Leader, and Logistics Section Chief.

  Operations Section Chief, Planning Section Chief, Environment Unit Incident Commander, Safety Officer, Information Officer, Liaison Officer, and Field Responder.

  All other positions will be staffed with employees or contractors.

Incident Management Team – at a minimum 6 identified and trained responders for the following positions:

- Incident Commander
- Finance Section Chief, Staging Area Leader
- Operations Section Chief, Planning Section Chief
- Environment Unit Incident Commander
- Safety Officer
- Information Officer
- Liaison Officer
- Field Responder
- 6 minimum of 8 trained Field Responders on site, in addition to the initial response organization.

People Requirements (for the establishment of a 24/7 response organization):

- Incident Commander
- Finance Section Chief, Staging Area Leader
- Operations Section Chief, Planning Section Chief
- Environment Unit Incident Commander
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- Field Responder
- 6 minimum of 8 trained Field Responders on site, in addition to the initial response organization.
Training and Exercises

• We invest significant amounts of time and resources into emergency response training and exercises – KMC response personnel know how to identify and react to an emergency situation and resources into emergency response training and exercises – KMC response personnel know how to respond to an emergency

• Expanded in 2014 to include unannounced exercises and exercises per year

• KMC conducts 20+ trainings and training per year

• Our response equipment is adequate available equipment – KMC personnel are trained to use

• We invest significant amounts of
KMC has a number of documents that help with the management of an incident including:

- Emergency Response Plans
- Field Guide Manuals
- Incident Command System Guide
- Control Point Manuals
- Air Monitoring Plan, Environmental Management Plans
- Numerous Job Aids (Communication Plan, Volunteer Plan, Emergency Response Plans)

Emergency Response Plans
Incident Command System Guide

• KMC Specific Information from Lessons Learned

• North West Area Contingency Plan (WA)

• ICS Canada

• Terasen ICS binder

• The new US Coast Guard Incident Management

• The US Coast Guard Fog (Red Book)

• Combines the Information From:

• The "Little Red Book"

• The "Little Red Book"
• Provides checklists for the various positions filled during an oil spill event.
• Outlines the planning cycle, and various meeting.
• Provides references to other materials that will assist responders (NWACP, ERP, Field Guide).
• Updated in 2015, will be updated in 2017.
5 Emergency Response Plans

Core of the document is the same regardless of the system.

- Trans Mountain Pipeline (Jet Fuel)
- Westridge Marine Terminal
- Trans Mountain Pipeline (Puget Sound)
- Trans Mountain Pipeline
- Terminals/Tank Farms

Extra sections specific to any area are after Section 17.
Introduction – How to use the Plan
An emergency is defined as any condition that results in or may result in:

- Death or injury requiring hospitalization
- Explosion or fire
- Leak, rupture or spill
- Any significant event such as; earthquake, flood,
- Severe storm or bomb threat

What is an emergency?
<table>
<thead>
<tr>
<th>Level</th>
<th>Definition</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>The Company has the capability to manage and control a Level I emergency using company resources available within the area. The District Supervisor will assume the Incident Commander position.</td>
<td>The Company has the capability to manage and control an oil spill confined to company property. Little or no media interest. OIl spills contained to company property.</td>
</tr>
<tr>
<td>2</td>
<td>The Company has the capability to manage and control a Level II emergency using company resources and expertise, with some assistance from local contractors. The Region Director or designate may assume the Incident Commander position.</td>
<td>The Company has the capability to manage and control an oil spill that has migrated beyond company property, but not into a waterway. Local media interest.</td>
</tr>
<tr>
<td>3</td>
<td>The Company may request assistance from other Industry, Municipal, or State Agency personnel to support the response to the incident. The Region Director will assume the Incident Commander position.</td>
<td>Major emergency condition such as: Major emergency condition such as: Media Interest</td>
</tr>
</tbody>
</table>

Introduction – Emergency Levels
Section 1 – Responder Health and Safety

- Aids the development of the Site Health & Safety Plan
- States the required PPE to be used
- Prepares the Initial Health and Safety Plan
- Aids the initial responders in assessing hazards related to the incident
Section 2 - Notification

• Who, What, Where, When, and Why

• Detection and Verification Methods

• Back-up phone listings
Sections 3 – 5 – Response Strategies/Tactics

• Section 5 – Protection of Sensitive Areas
• Section 4 – Spill Containment and Site Assessment
• Section 3 – Spill/Site Assessment

Kinder Morgan Canada
Section 6 – Multiple Hazards

- Breach of Security
- Bomb Threat
- Flood
- Tornado
- Fire and Explosion
- Avalanche

Checklists for other emergencies

Site Evacuation

Site Evacuation Instructions

Shelter-in-Place Instructions
Section 7 – Site Information

• Description of the site/district including:
  • Site Descriptions/Plans
  • Valve Locations/Directions
  • Products handled
  • Site Description/Plans

Description of the site/district including:
Section 8 – 12 – Incident Management

**Description of the management structure:**

- **Initial Response Team**
- **Local Incident Management Team**
- **KMC Incident Management Team**
- **Initial Response Team**

ERPs

Additional response information specific to individual response team organization:

- **Response Team Organization**
  - **Director**
  - **Business Branch**
    - **Business Branch Director**
    - **Business Branch Manager**
    - **Business Branch Leader**
    - **Business Branch Coordinator**
  - **Employee**
    - **Employee Manager**
    - **Employee Leader**
    - **Employee Coordinator**
  - **Senior Executive**
    - **Senior Executive Manager**
    - **Senior Executive Leader**
    - **Senior Executive Coordinator**
  - **Director**
    - **Director Manager**
    - **Director Leader**
    - **Director Coordinator**
  - **President**
    - **President Manager**
    - **President Leader**
    - **President Coordinator**

**Leadership:**

- **President**
- **President Manager**
- **President Leader**
- **President Coordinator**

**Director:**

- **Director**
- **Director Manager**
- **Director Leader**
- **Director Coordinator**

**Senior Executive:**

- **Senior Executive**
- **Senior Executive Manager**
- **Senior Executive Leader**
- **Senior Executive Coordinator**

**Director:**

- **Director**
- **Director Manager**
- **Director Leader**
- **Director Coordinator**

**Business Branch:**

- **Business Branch**
- **Business Branch Director**
- **Business Branch Manager**
- **Business Branch Leader**
- **Business Branch Coordinator**

**Employee:**

- **Employee**
- **Employee Manager**
- **Employee Leader**
- **Employee Coordinator**

**Senior Executive:**

- **Senior Executive**
- **Senior Executive Manager**
- **Senior Executive Leader**
- **Senior Executive Coordinator**

**Director:**

- **Director**
- **Director Manager**
- **Director Leader**
- **Director Coordinator**

**President:**

- **President**
- **President Manager**
- **President Leader**
- **President Coordinator**
Wildlife Operations

Wildlife Response Strategies

Operational Aspects

Wildlife Protection and Rehab

Mobilization, Coordination, Facilities, Phasing, Workforce, and Health and Safety

Section 13 – Wildlife Care
Describes where to get the MSDS.
Section 15 – 17 + Regulatory Compliance Sections

15 – EHS Policy Statement
16 – Regulatory Background
17 – Description of Training and Exercises
18 – Worst Case Discharge Calculations (Puget Sound)
19 – Certifications (Puget Sound)
Field Guides and Control Point Manuals

- Meant to give quick reference to locations.
- Includes route maps, site diagrams, and information required by the field.
- Control Points Manuals have the data sheets for the predetermined response.
- Field Guide is first 6 Sections of the ERP.
• Strategically placed along the line to meet Planning Standard

Emergency Response Equipment

- Area-Specific Equipment
- Oil Spill Containment and OSCAR units
- Including Fire Response, Boats
- Personal protective equipment
- Recovery = OSCAR
- Recovery Equipment
- Portable storage
- Containment Boom

(Winter, Marine)
• \( \text{NRC Environmental Services.} \)

• Planning Standards Organization as part of Primary Response Organization.

• Washington State requires a Primary Response Organization for the West Coast.

• WCMRC is the certified RO (Westridge) to have a membership with an RO (Westridge).

• All oil-handling facilities require RO membership.

• \( \text{Canada Shipping Act requires RO} \)
Response Partnerships

We are always interested in more Mutual Aid partnerships and explore these during our CAER program and consultation meetings.

- Shell
- City of Kamloops
- SDMAP (Strathcona District)
- CPEA
- Many others
- Focus Wildlife
- Western Canadian Spill Services (WCSS)
- HSE Integrated (Fire Response)
- First Response Ltd (Fire Response)
- Witt/O’Brien’s (Spill Response, ICS)
- Western Canadian Marine Spill Response Corporation (WCMRC)
- Master Service Agreements in place with
EMERGENCY PLANNING FOR PROPOSED EXPANSION
Enhancements to the EMP

- Develop and implement an industry-leading Emergency Management Program – EMP

- Maintains positive relationships with Aboriginals, stakeholders and local communities

- Learns from local experience and knowledge

- Conducts an inclusive EM engagement process that

- Meets Trans Mountain’s commitments to stakeholders and Aboriginals

- Meets Government of BC Conditions (#2 & #3)

- Meets National Energy Board conditions

- Meets applicable regulations and standards
Part III Engagement

• Overview of existing Trans Mountain EMP

• Planning Standards

• Geographic Response Plans (GRPs)

• Fire Response Plans
Part III Format

Concurrent government and response agencies engagement

Material in advance of meetings

As practical, community members will receive

Sensitive areas and control point selection

Specific field visits or input on GRP field work including identification of

Follow up one-on-one meetings with community experts/leaders for specific topics (Planning Std, criteria for Control Points)

Kick off Regional Workshop with overview presentation then breakout groups

For example (Kamloops District):

Up by one-on-one meetings

Blended approach with Regional Workshops followed
Geographic Response Plans

- GRPs are geographically specific pre-plans used to expedite response actions.
- Foundation of our enhanced EMP TMEP will develop four GRPs starting with Kamloops District in 2015/16.
Geographic Response Plans

- GRPs will require a field program to:
  - Identify possible locations for staging areas and command posts
  - Equipment caches
  - Pre-determined boom and anchor configuration
  - Shoreline characterization around control points

- Geologic, meteorological and geographical hazards (e.g., avalanches, mudslides, rockslides and steep slopes)
- For critical locations this basic information may be augmented by:
  - Shoreline characterization around control points
  - Pre-determined boom and anchor configuration
  - Equipment caches
  - Identification of possible locations for staging areas and command posts

- GRPs will require a field program to:
  - Get descriptions of new facility locations and access
  - Get descriptions of control points and access
  - Identify high consequence and sensitive areas
Timeline for Enhancements

PART IV
Development
Draft Plan

PART III

PART II

Emergncy Management Engagement Timeline

Timeline for Enhancements
Questions

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