



# Commitments Tracking Table

## Trans Mountain Pipeline ULC

Version 20 - December 7, 2018

**Project Stage**

- "Prior to Construction" - To be completed prior to construction of specific facility or relevant section of pipeline
- "During Construction" - To be completed during construction of specific facility or relevant section of pipeline
- "Prior to Operations" - To be completed prior to commencing operations
- "Operations" - To be completed after operations have commenced, including post-construction monitoring conditions
- "Project Lifecycle" - Ongoing commitment
- "No Longer Applicable" - Change in project design or execution

**Commitment Status**

- "Scoping" - Work has not commenced
- "In Progress" - Work has commenced or is partially complete
- "Superseded by Condition" - Commitment has been superseded by NEB, BC EAO condition, legal/regulatory requirement
- "Superseded by Management Plan" - Addressed by Trans Mountain Policy or plans, procedures, documents developed for Project design and execution
- "Superseded by TMEP Notification Task Force Program" - Addressed by the project specific Notification Task Force Program
- "Complete" - Commitment has been met
- "No Longer Applicable" - Change in project design or execution
- "Addressed by Construction Line List and Construction / Environmental Alignment Sheets" - As indicated

Note: **Red text** indicates a change in Commitment Status or a new Commitment, from the previously filed version.

Note: As of August 31, 2018, Kinder Morgan ceased to be an owner of Trans Mountain. References to Kinder Morgan Canada or KMC in the table below have been changed to Trans Mountain to reflect this event.

Commitment ID	Team Responsible for Commitment	Commitment Made To	Commitment Description	Source(s) of Commitment	Project Stage for Implementation of Commitment	Commitment Status	Superseded by NEB Final Condition (x) Number	Additional Comments (Can be published with NEB)
1	Aboriginal Engagement	Upper Nicola Band	Trans Mountain will contact Upper Nicola to arrange a mutually agreeable time to discuss Upper Nicola's "Consultation and Policy Principles" (Draft 8, December 2, 2014).	Upper_Nicola_Band_IR_No._2(c).2(m)	Prior to Construction	Superseded by MBA		
2	Aboriginal Engagement	Coldwater Indian Band	Trans Mountain will not pursue on-Reserve routing options without the express consent of the Aboriginal community.	CIB_IR_No._1.1l	Prior to Construction	No Longer Applicable		TMEP is not pursuing routing on Coldwater Reserve. Pipeline route goes around the Coldwater Reserve.
3	Aboriginal Engagement	NEB	Trans Mountain will develop a series of technical learning sessions for Ts'elxweyeqw Tribe Management Limited (TTML) to attend. These sessions are being designed to facilitate open conversation between members of TTML, and Trans Mountain's technical discipline experts regarding the Project's impacts on TTML's interests.	NEB_IR_No._3.009	During Construction	Superseded by NEB Condition	96	
8	Aboriginal Engagement	Adams Lake Indian Band	Engagement with Aboriginal groups will continue during and after the regulatory process. Should the Project get approval ongoing engagement with Aboriginal groups will continue during construction.	ALIB_IR_No._1.6.06b	Project Lifecycle	Superseded by NEB Condition	96	
9	Aboriginal Engagement	Tsawout First Nation	Trans Mountain will continue to engage with Tsawout First Nation. Any additional information that Tsawout First Nation is able to provide to Trans Mountain, will also be considered in Project planning and design.	Tsawout_FN_IR_No._2.55b	Prior to Construction	In Progress		
18	Aboriginal Engagement	Adams Lake Indian Band; Ermineskin Cree Nation; Kelly Lake Cree Nation; Kwantlen First Nation; O'Chiese First Nation; Samson Cree Nation; Sucker Creek First Nation; Whitefish (Goodfish) Lake First Nation #128	Trans Mountain will continue to engage Aboriginal communities through all phases of the Project. Site-specific information identified by Aboriginal groups will be reviewed.	ALIB_IR_No._1.6.03, Kwantlen_FN_IR_No._1.01.7, Nations_IR_No._1.1.7g, Nations_IR_No._1.1.7h, O'Chiese_FN_IR_No._1.04.3	Project Lifecycle	Superseded by NEB Condition	96	

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58	Aboriginal Engagement	NEB	Trans Mountain will meet with the governments, industry and local Aboriginal communities with respect to the use of merchantable timber.	Application Volume 5B, 7-109.	Prior to Construction	Superseded by Management Plan		
91	Aboriginal Engagement	Sto:lo Collective	Trans Mountain is committed to the Traffic Mitigation Measures as part of the Socio-Economic Mitigation and Enhancement measures outlined in the TMEP Facility Application (Volume 6B, Section 8.4.3, Appendix C). Trans Mountain will continue engagement with Sto:lo on Recommendation 66 of their August 11, 2014 letter to Trans Mountain, but this recommendation requires Sto:lo representatives to identify necessary, supporting information 4 months prior to construction.	August 11, 2014 Letter from Sto:lo Collective to Trans Mountain	Prior to Construction	In Progress		
379	Aboriginal Engagement	Sto:lo Collective	Trans Mountain has committed to communicating with local health authorities, including the First Nations Health Authority, on the timing of the Project, duration of stay in the local community, expected number of people coming into the area and onsite health care plans.	Sto:lo Collective Recommendation #79, #80, #81	Prior to Construction	In Progress		
383	Aboriginal Engagement	Sto:lo Collective	Trans Mountain has committed to communicating with local health authorities, including the First Nations Health Authority, on the timing of the Project, duration of stay in the local community, expected number of people coming into the area and onsite health care plans.	Sto:lo Collective Recommendation #79, #80, #81	Project Lifecycle	In Progress		
397	Aboriginal Engagement	Province of British Columbia	With respect to marine-based emergency preparedness and response, Trans Mountain is prepared to make an investment, and is discussing same directly with First Nations. Trans Mountain is interested in better understanding how the authorities and governments responsible for marine spill prevention and emergency preparedness related activities will participate.	Province_BC_IR_No._1.1.22d	Prior to Construction	Superseded by BC EAO	11	
443	Aboriginal Engagement	NEB	All Aboriginal Groups that expressed an interest or concern will be contacted 3 months prior to clearing work start to discuss how an opportunity could be developed for Salvageable Timber in their territory, within Spread 1.	NEB_IR_No._2.011c	Prior to Construction	Complete		
551	Aboriginal Engagement	Environment Canada	Trans Mountain will work with potentially affected local Aboriginal and Metis communities identified by Parks Canada.	GoC_Parks_IR_No._2.141	Project Lifecycle	Superseded by NEB Condition	72	
600	Aboriginal Engagement	Adams Lake Indian Band	Trans Mountain commits to further engagement with the Adams Lake Indian Band (ALIB) in regard to the plans, programs, initiatives and timelines outlined in ALIB_IR No. 2.06.5a.	ALIB_IR_No._2.06.5b	Project Lifecycle	Superseded by NEB Condition	96	
683	Aboriginal Engagement	NEB	Trans Mountain commits to updating the NEB on any feedback received on Condition 52: Air Emissions Management Plan for the Westridge Marine Terminal in its next filing of Condition 96 – Reports on Aboriginal Engagement – Construction.	NEB_Cond_IR_No._18.5b, c	Prior to Construction	Superseded by NEB Condition	52	
697	Aboriginal Engagement	Horse Lake First Nation	Trans Mountain is committed to continued engagement with Aboriginal groups that are directly impacted and are interested in providing traditional knowledge as it relates to the location and construction of the Trans Mountain Expansion Project and will continue to discuss proposed mitigation and enhancement measures.	Horse_Lake_FN_IR_No._2.1b (PDF page 2), Horse_Lake_FN_IR_No._2.3a (PDF page 8)	Prior to Construction	Superseded by NEB Condition	72	
698	Aboriginal Engagement	Horse Lake First Nation	Trans Mountain will notify Horse Lake First Nation of the construction schedule in the vicinity of their community two weeks prior to the start of construction.	Horse_Lake_FN_IR_No._2.3d	Prior to Construction	In Progress		
743	Aboriginal Engagement	Sto:lo Collective	Trans Mountain commits to working in partnership with Sto:lo Collective to develop a mutually acceptable plan to discuss the 89 recommendations in the Integrated Cultural Assessment (ICA).	Sto_Lo_Collective_IR_No._1.1a	Prior to Construction	In Progress		

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795	Aboriginal Engagement	Sto:lo Collective	Commit to working with Sto:lo Collective to develop a plan to discuss future consultation communications and notifications pertaining to the areas of interest outlined in the Integrated Cultural Assessment (ICA).	Sto_Lo_Collective_IR_No._1.2e	Prior to Construction	In Progress		
854	Aboriginal Engagement	Stk'emlupsemc Te Secwepemc	Trans Mountain will consult with the Stk'emlupsemc Te Secwepemc (SSN) on access control measures within the SSN territory.	SSN_IR_No._2.32.1	Prior to Construction	In Progress		
870	Aboriginal Engagement	NEB	Trans Mountain commits to updating the NEB on any feedback received on Condition 81: Westridge Marine Terminal Environmental Protection Plan in its next filing of Condition 96 – Reports on Aboriginal Engagement – Construction.	NEB_Cond_IR_No._25.2	Project Lifecycle	Superseded by NEB Condition	96	
874	Aboriginal Engagement	Cheam First Nation and Chawathil First Nation	Workshops focused on the Environmental Protection Plan (EPP) and Emergency Response Plan (ERP) are tentatively scheduled to take place along the proposed Project right of way, starting in Q2; Cheam and Chawathil will be invited to attend both workshops.	Cheam_and_Chawathil_FN_IR_No._2(b).2.1.d	Prior to Construction	Complete		Environmental Protection Plan (EPP) and Emergency Response Plan (ERP) workshops were held in September 2015. Chawathil First Nation attended the workshop in Abbotsford. An EPP meeting was held with Cheam First Nation on February 3, 2016.
896	Aboriginal Engagement	Sto:lo Collective	Trans Mountain is committed to working in partnership with the Sto:lo Collective to develop a series of workshops to discuss questions and address concerns. The workshop series will be confirmed in Q1, 2015.	Sto:lo Collective Recommendation #2	Project Lifecycle	In Progress		
932	Aboriginal Engagement	NEB	Trans Mountain will notify potentially affected Aboriginal groups about the proposed final Fraser Valley/Cheam camp location, with the invitation to provide comments on the final location.	NEB_Cond_IR_No._54.3	Prior to Construction	Complete		
937	Aboriginal Engagement	Tsawout First Nation	Trans Mountain will continue to engage Tsawout First Nation through all phases of the Project. Traditional resource use information received from Tsawout First Nation will be reviewed in order to confirm literature results and mitigation measures including those found in the Environmental Protection Plans. Any additional site-specific mitigation measures resulting from these studies will be provided in the updated Environmental Protection Plans.	Tsawout_FN_IR_No._2.56a	Project Lifecycle	In Progress		
938	Aboriginal Engagement	Tsawout First Nation	Trans Mountain is prepared to meet with the Tsawout First Nation following receipt of its Traditional Marine Resource Use (TRMU) to review the findings of the report. Trans Mountain is willing to review and incorporate any appropriate mitigation measures into the updated Environmental protection plans that have not already been captured.	Tsawout_FN_IR_No._2.65d	Prior to Construction	In Progress		
1,006	Aboriginal Engagement	Sto:lo Collective	Trans Mountain commits to continue engagement with the members of the Sto:lo Collective to identify traffic mitigation measures related to construction of the TMEP.	August 11, 2014 Letter from Sto:lo Collective to Trans Mountain	Prior to Construction	In Progress		
1,095	Aboriginal Engagement	NEB	Trans Mountain commits to reporting any feedback received from Simpcw First Nation in the next filing of Condition 96 – Reports on Aboriginal Engagement.	NEB_Cond_IR_No._56.1	Project Lifecycle	Superseded by NEB Condition	96, 97	
1,585	Aboriginal Engagement	Sto:lo Collective	Trans Mountain will file a Supplemental Traditional Land and Resource Use Technical Report, including a list of issues raised by Sto:lo Collective and responses from Trans Mountain.	Sto:lo Collective Attachment - Table 2d	Prior to Construction	Complete		Supplemental Traditional Land and Resource Use (TLRU) Technical Report (TDR) in Section 4.4.4 [Filing ID: A3Z4Z2] includes a table of issues and concerns raised by Sto:lo Collective and Trans Mountain's response to these issues.

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1,611	Aboriginal Engagement	Sto:lo Collective	Trans Mountain is committed to hosting a series of workshops, as agreed upon by Trans Mountain and Sto:lo representatives for communities represented by the Sto:lo Collective. Trans mountain will structure the workshops to facilitate open conversation between members of communities represented by Sto:lo Collective, subject-matter experts and Trans Mountain representatives regarding many of the recommendations included within this document and the potential impacts of the Project on Aboriginal rights, title and interests and their traditional and cultural use of the land and marine environment.	Sto:lo Collective Recommendation #2, #5, #12, #15, #16, #23, #24, #25, #28, #30, #31, #32, #36, #42, #46, #47, #48, #55, #60, #62, #64, #77	Prior to Construction	In Progress		
1,613	Aboriginal Engagement	Sto:lo Collective	In partnership with Sto:lo representatives, Trans Mountain commits to developing a mutually agreeable process for continued engagement.	Sto:lo Collective Recommendation #4, #64	Prior to Construction	In Progress		
1,614	Aboriginal Engagement	Sto:lo Collective	Sto:lo representatives will be provided an opportunity to provide input on proposed locations for hydrostatic test water withdrawal and release.	Sto:lo Collective Recommendation #6	Prior to Construction	In Progress		
1,623	Aboriginal Engagement	Sto:lo Collective	Trans Mountain commits to discussing with Sto:lo funding for improvements to access and infrastructure in support of fishing as determined by Sto:lo representatives.	Sto:lo Collective Recommendation #22	Prior to Construction	In Progress		
1,624	Aboriginal Engagement	Sto:lo Collective	Trans Mountain will discuss funding for additional vegetation studies with the Sto:lo representatives.	Sto:lo Collective Recommendation #23, #27, #62	Prior to Construction	In Progress		
1,633	Aboriginal Engagement	Sto:lo Collective	Trans Mountain is open to discussing a Sto:lo-specific construction communication plan or a community liaison.	Sto:lo Collective Recommendation #44	Prior to Construction	In Progress		
1,639	Aboriginal Engagement	Sto:lo Collective	Trans Mountain welcomes the opportunity to discuss funding for cultural programs and events.	Sto:lo Collective Recommendation #58, #59	Project Lifecycle	In Progress		
1,640	Aboriginal Engagement	Sto:lo Collective	Trans Mountain will engage with Sto:lo representatives prior to commencing construction to discuss any potential issues in regard to the Traffic and Access Control Management Plan (TACMP): a) Routes will be included for construction access. b) Bussing or other worker transport management for construction workers - To be determined upon completion of the detailed engineering and construction, to be part of the proposed TACMP. c) Traffic supervision plans during construction to identify any access routes that have higher than predicted traffic and/or delays - Refer to b. d) Acceptable driving behaviour in S'ólh Téméxw - Minimum standards will be part of the TACMP for personnel driving Project related vehicles which will be a part of the TACMP or the Health and Safety Management Plan for the Project. The Health and Safety Management Plan will be filed with the NEB as per Draft Condition 38, 90 Days prior to the start of construction. e) Schedules for the trucking of heavy loads to avoid peak traffic times and heavily-used intersections. - Refer to b. f) The TACMP (or sub-plans as developed by the Contractor selected for construction) will prohibit no-construction parking/staging areas along key access	Sto:lo Collective Recommendation #60, #66, #82	Prior to Construction	Scoping		This will largely be a Contractor commitment except for discussing with the Sto:lo.
1,642	Aboriginal Engagement	Sto:lo Collective	Trans Mountain will discuss additional surveys or commitments with employment or procurement with Sto:lo representatives.	Sto:lo Collective Recommendation #62	Project Lifecycle	In Progress		

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1,643	Aboriginal Engagement	Sto:lo Collective	Trans Mountain is committed to working with Sto:lo representatives to minimize scheduling conflicts and requests that key dates are provided to Trans Mountain six months prior to construction for the inclusion in final construction planning.	Sto:lo Collective Recommendation #65	Prior to Construction	In Progress		
1,655	Aboriginal Engagement	Sto:lo Collective	Trans Mountain has committed to communicating with local health authorities, including the First Nations Health Authority, on the timing of the Project, duration of stay in the local community, expected number of people coming into the area and onsite health care plans.	Sto:lo Collective Recommendation #79, #80, #81	Prior to Construction	In Progress		
1,656	Aboriginal Engagement	Sto:lo Collective	Trans Mountain is committed to continued engagement with Sto:lo representatives to discuss funding opportunities related to policing.	Sto:lo Collective Recommendation #83	Project Lifecycle	In Progress		
1,659	Aboriginal Engagement	Sto:lo Collective	Trans Mountain can commit to engagement with the Sto:lo Collective prior to commencing construction to discuss any potential issues in regard to the Construction Safety Manuals.	Sto:lo Collective Recommendation #87	Prior to Construction	In Progress		
1,660	Aboriginal Engagement	Sto:lo Collective	90 days prior to the start of construction, Trans Mountain will provide copies of: 1. Schedule of construction activities within S'ólh Téméxw 2. Environmental Alignment Sheets; and, 3. Plan, Profile and Book or Reference that defines the construction footprint.	Sto:lo Collective Recommendation #88	Prior to Construction	In Progress		
1,661	Aboriginal Engagement	Sto:lo Collective	Trans Mountain welcomes the opportunity to discuss the establishment of a scholarship program for Sto:lo students.	Sto:lo Collective Recommendation #89	Prior to Construction	In Progress		
1,699	Aboriginal Engagement	Sto:lo Collective	Trans Mountain is committed to continued engagement with Stó:lō to discuss the Project and the potential Project related effects on Stó:lō; specific to the Environmental Protection Plan and mitigation measures utilized to minimize Project related effects as identified in the Integrated Cultural Assessment Report.	Reply Evidence 7.15 Stó:lō Collective - p10 - line 38	Project Lifecycle	In Progress		
2,149	Aboriginal Engagement	NEB	Trans Mountain intends to file Consultation Update #3, including a summary of all consultation activities between May 1, 2014 and October 31, 2014 in Q4 2014 or Q1 2015.	NEB_IR_No._2.009a	Prior to Construction	Complete		
2,899	Aboriginal Engagement	NEB	Trans Mountain is committed to provide any further engagement log updates and future information requests (IR's) for any First Nation on Vancouver Fraser Port Authority DBA Port Metro Vancouver (PMV) list [First Nations with traditional territories that intersect the specific project area where the proposed Westridge Terminal enhancements/in water works will be located and, First Nations with traditional territories that intersect the navigational route within PMV jurisdiction].	Consultation Update No. 3 - Part 1, Table 1.22, NEB_IR_No._3.005a-Attachment_1-Part_2	Prior to Construction	Complete		
3,208	Aboriginal Engagement	Sto:lo Collective	Trans Mountain will file a Supplemental Traditional Land and Resource Use Technical Report, including a list of issues raised by Sto:lo Collective and responses from Trans Mountain.	Sto:lo Collective Attachment - Table 2d	Prior to Construction	Complete		Supplemental Traditional Land and Resource Use (TLRU) Technical Report (TDR) in Section 4.4.4 [Filing ID: A3Z4Z2] includes a table of issues and concerns raised by Sto:lo Collective and Trans Mountain's response to these issues.
3,209	Aboriginal Engagement	Sto:lo Collective	Trans Mountain will file a Supplemental Traditional Land and Resource Use Technical Report, including a list of issues raised by Sto:lo Collective and responses from Trans Mountain.	Sto:lo Collective Attachment - Table 2d	Prior to Construction	Complete		Supplemental Traditional Land and Resource Use (TLRU) Technical Report (TDR) in Section 4.4.4 [Filing ID: A3Z4Z2] includes a table of issues and concerns raised by Sto:lo Collective and Trans Mountain's response to these issues.
3,213	Aboriginal Engagement	Horse Lake First Nation	Trans Mountain will notify Horse Lake First Nation of the construction schedule in the vicinity of their community two weeks prior to the start of construction within Spread 2.	Horse_Lake_FN_IR_No._2.3	Prior to Construction	Complete		

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3,214	Aboriginal Engagement	Horse Lake First Nation	Trans Mountain will notify Horse Lake First Nation of the construction schedule in the vicinity of their community two weeks prior to the start of construction for the Edson Transmission Line.	Horse_Lake_FN_IR_No._2.3d	Prior to Construction	Complete		
3,227	Aboriginal Engagement	Simpcw First Nation	Trans Mountain will review the preliminary plot plans for the proposed new pump stations with the Simpcw First Nation, upon their request, when the plot plans are available, anticipated by the end of 2014.	SIMPCW_F_N_IR_No._1.047b	Prior to Construction	In Progress		
3,570	Aboriginal Engagement	Sto:lo Collective	In addition to an agreement between Sto:lo and Trans Mountain to create a Project-specific economic development strategy, Trans Mountain will engage directly with Sto:lo representatives during each Aboriginal, local and regional business opportunities monitoring cycle. Trans Mountain will develop a summary of business opportunities (based on the monitoring indicators) specific to the Sto:lo communities. Trans Mountain will discuss each Sto:lo-specific Aboriginal, local and regional business opportunity monitoring outcome with Sto:lo representatives, as part of the mutually agreed upon engagement strategy, and identify any new opportunities to further enhance business opportunities for Sto:lo members.	Sto:lo Collective Recommendation #70, #67	During Construction	In Progress		
3,571	Aboriginal Engagement	Sto:lo Collective	In addition to an agreement between Sto:lo and Trans Mountain to create a Project-specific economic development strategy, Trans Mountain will engage directly with Sto:lo representatives during each Aboriginal, local and regional business opportunities monitoring cycle. Trans Mountain will develop a summary of business opportunities (based on the monitoring indicators) specific to the Sto:lo communities. Trans Mountain will discuss each Sto:lo-specific Aboriginal, local and regional business opportunity monitoring outcome with Sto:lo representatives, as part of the mutually agreed upon engagement strategy, and identify any new opportunities to further enhance business opportunities for Sto:lo members.	Sto:lo Collective Recommendation #70, #67	During Construction	In Progress		
3,580	Aboriginal Engagement	Sto:lo Collective	Trans Mountain is committed to continued engagement with Sto:lo representatives to discuss opportunities related to procurement.	Sto:lo Collective Recommendation #67	Project Lifecycle	Scoping		
3,581	Aboriginal Engagement	Sto:lo Collective	Trans Mountain is committed to maximizing Aboriginal procurement opportunities with the Project. Trans Mountain is committed to continued engagement with Sto:lo representatives to discuss opportunities related to procurement.	Sto:lo Collective Recommendation #67	Project Lifecycle	Scoping		
3,582	Aboriginal Engagement	Sto:lo Collective	In addition to an agreement between Sto:lo and Trans Mountain to create a Project-specific economic development strategy, Trans Mountain will engage directly with Sto:lo representatives during each Aboriginal, local and regional business opportunities monitoring cycle. Trans Mountain will develop a summary of business opportunities (based on the monitoring indicators) specific to the Sto:lo communities. Trans Mountain will discuss each Sto:lo-specific Aboriginal, local and regional business opportunity monitoring outcome with Sto:lo representatives, as part of the mutually agreed upon engagement strategy, and identify any new opportunities to further enhance business opportunities for Sto:lo members.	Sto:lo Collective Recommendation #70, #67	Project Lifecycle	In Progress		

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3,583	Aboriginal Engagement	Sto:lo Collective	In addition to an agreement between Sto:lo and Trans Mountain to create a Project-specific economic development strategy, Trans Mountain will engage directly with Sto:lo representatives during each Aboriginal, local and regional business opportunities monitoring cycle. Trans Mountain will develop a summary of business opportunities (based on the monitoring indicators) specific to the Sto:lo communities. Trans Mountain will discuss each Sto:lo-specific Aboriginal, local and regional business opportunity monitoring outcome with Sto:lo representatives, as part of the mutually agreed upon engagement strategy, and identify any new opportunities to further enhance business opportunities for Sto:lo members.	Sto:lo Collective Recommendation #70, #67	During Construction	In Progress		
3,586	Aboriginal Engagement	Sto:lo Collective	Trans Mountain is committed to the Traffic Mitigation Measures as part of the Socio-Economic Mitigation and Enhancement measures outlined in the TMEP Facility Application (Volume 6B, Section 8.4.3, Appendix C). Trans Mountain will continue engagement with Sto:lo on Recommendation 66 of their August 11, 2014 letter to Trans Mountain, but this recommendation requires Sto:lo representatives to identify necessary, supporting information 6 months prior to construction.	August 11, 2014 Letter from Sto:lo Collective to Trans Mountain	Prior to Construction	In Progress		
3,591	Aboriginal Engagement	Sto:lo Collective	Trans Mountain will engage with Sto:lo representatives prior to commencing construction to discuss any potential issues in regard to the Traffic and Access Control Management Plan (TACMP): a) Routes will be included for construction access. b) Bussing or other worker transport management for construction workers - To be determined upon completion of the detailed engineering and construction, to be part of the proposed TACMP. c) Traffic supervision plans during construction to identify any access routes that have higher than predicted traffic and/or delays - Refer to b. d) Acceptable driving behaviour in S'ólh Téméxw - Minimum standards will be part of the TACMP for personnel driving Project related vehicles which will be a part of the TACMP or the Health and Safety Management Plan for the Project. The Health and Safety Management Plan will be filed with the NEB as per Draft Condition 38, 90 Days prior to the start of construction. e) Schedules for the trucking of heavy loads to avoid peak traffic times and heavily-used intersections. - Refer to b. f) The TACMP (or sub-plans as developed by the Contractor selected for construction) will prohibit no-construction parking/staging areas along key access	Sto:lo Collective Recommendation #60, #66, #82	Prior to Construction	Scoping		

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3,592	Aboriginal Engagement	Sto:lo Collective	Trans Mountain will engage with Sto:lo representatives prior to commencing construction to discuss any potential issues in regard to the Traffic and Access Control Management Plan (TACMP): a) Routes will be included for construction access. b) Bussing or other worker transport management for construction workers - To be determined upon completion of the detailed engineering and construction, to be part of the proposed TACMP. c) Traffic supervision plans during construction to identify any access routes that have higher than predicted traffic and/or delays - Refer to b. d) Acceptable driving behaviour in S'ólh Téméxw - Minimum standards will be part of the TACMP for personnel driving Project related vehicles which will be a part of the TACMP or the Health and Safety Management Plan for the Project. The Health and Safety Management Plan will be filed with the NEB as per Draft Condition 38, 90 Days prior to the start of construction. e) Schedules for the trucking of heavy loads to avoid peak traffic times and heavily-used intersections. - Refer to b. f) The TACMP (or sub-plans as developed by the Contractor selected for construction) will prohibit no-construction parking/staging areas along key access	Sto:lo Collective Recommendation #60, #66, #82	Project Lifecycle	Scoping		
3,595	Aboriginal Engagement	Sto:lo Collective	Trans Mountain can commit to engagement with the Sto:lo Collective prior to commencing construction to discuss any potential issues in regard to the Construction Safety Manuals.	Sto:lo Collective Recommendation #87	Prior to Construction	Scoping		
3,849	Aboriginal Engagement	NEB	Trans Mountain is committed to provide any further engagement log updates and future information requests (IR's) for any First Nation on Vancouver Fraser Port Authority DBA Port Metro Vancouver (PMV) list [First Nations with traditional territories that intersect the specific project area where the proposed Westridge Terminal enhancements/in water works will be located and, First Nations with traditional territories that intersect the navigational route within PMV jurisdiction].	Consultation Update No. 3 - Part 1, Table 1.22, NEB_IR_No._3.005a-Attachment_1-Part_2	Prior to Construction	Complete		
3,888	Aboriginal Engagement	NEB	Trans Mountain commits to updating the NEB on any feedback received on Condition 56: Grizzly Bear Mitigation Plan in its next filing of Condition 96 – Reports on Aboriginal Engagement – Construction.	NEB_Cond_IR_No._26.8	Project Lifecycle	Superseded by NEB Condition	96	
3,889	Aboriginal Engagement	NEB	Trans Mountain commits to updating the NEB on any feedback received on Condition 47: Access Management Plan in its next filing of Condition 96 – Reports on Aboriginal Engagement – Construction.	NEB_Cond_IR_No._27.13	Project Lifecycle	Superseded by NEB Condition	96	
3,896	Aboriginal Engagement	NEB	Trans Mountain commits to updating the NEB on any feedback received on Condition 44 Plans in its next filing of Condition 96 – Reports on Aboriginal Engagement – Construction.	NEB_Cond_IR_No._28.24	Project Lifecycle	Superseded by NEB Condition	96	
3,901	Aboriginal Engagement	NEB	Trans Mountain commits to updating the NEB on any feedback received on the Condition 71: Riparian Habitat Management Plan in its next filing of Condition 96 – Reports on Aboriginal Engagement – Construction.	NEB_Cond_IR_No._29.1	Prior to Construction	Superseded by NEB Condition	71	
3,904	Aboriginal Engagement	NEB	Trans Mountain commits to updating the NEB on any feedback received on Condition 79: Air Emissions Management Plan for the Edmonton, Sumas and Burnaby Terminals in its next filing of Condition 96 – Reports on Aboriginal Engagement – Construction.	NEB_Cond_IR_No._32.1; NEB_Cond_IR_No._32.2	Project Lifecycle	Superseded by NEB Condition	96	



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3,913	Aboriginal Engagement	NEB	Trans Mountain commits to filing an updated summaries of its consultation with Aboriginal groups on all ambient monitoring requirements, including the location of monitoring stations, in its next filing of Condition 96 – Reports on Aboriginal Engagement – Construction.	NEB_Cond_IR_No._32.4	Project Lifecycle	Superseded by NEB Condition	96	
3,914	Aboriginal Engagement	NEB	Trans Mountain commits to updating the NEB on any feedback received on Condition 76: Old Growth Management Mitigation and Replacement Plan in its next filing of Condition 96 – Reports on Aboriginal Engagement – Construction.	NEB_Cond_IR_No._37.1	Project Lifecycle	Superseded by NEB Condition	96	
3,920	Aboriginal Engagement	NEB	Trans Mountain commits to updating the NEB on any feedback received on the Facilities Environmental Protection Plan (Condition 78) in its next filing of Condition 96 – Reports on Aboriginal Engagement – Construction.	NEB_Cond_IR_No._39.6	Project Lifecycle	Superseded by NEB Condition	96	
3,929	Aboriginal Engagement	NEB	Trans Mountain commits to updating the NEB on any feedback received on the Burnaby Mountain Tunnel Environmental Protection Plan in its next filing of Condition 96 – Reports on Aboriginal Engagement – Construction.	NEB_Cond_IR_No._40.17	Project Lifecycle	Superseded by NEB Condition	96	
3,944	Aboriginal Engagement	NEB	Trans Mountain commits to updating the NEB on any feedback received on the Environmental and socio-economic assessment - s.58 temporary construction lands and infrastructure (Condition 60) in its next filing of Condition 96 – Reports on Aboriginal Engagement – Construction.	NEB_Cond_IR_No._42.2	Project Lifecycle	Superseded by NEB Condition	96	
3,960	Aboriginal Engagement	NEB	Trans Mountain commits to updating the NEB on any feedback received on the Traditional Land Use and Traditional Marine Resource Use Investigation Report (Condition 97) from Coldwater Indian Band, Cook's Ferry Indian Band, Siska Indian Band and Boston Bar First Nation, Sucker Creek First Nation, Sunchild First Nation, Alexander First Nation and Shackan Indian Band in the next filing of Condition 96 – Reports on Aboriginal Engagement – Construction.	NEB_Cond_IR_No._46.3	Project Lifecycle	Superseded by NEB Condition	96	
3,975	Aboriginal Engagement	NEB	Trans Mountain commits to updating the NEB on any feedback received on the Pipeline Environmental Protection Plan in its next filing of Condition 96 – Reports on Aboriginal Engagement – Construction.	NEB_Cond_IR_No._40.7	Project Lifecycle	Superseded by NEB Condition	96	
4,001	Aboriginal Engagement	NEB	Trans Mountain commits to updating the NEB on any feedback received on Condition 73: Traffic Control Plans for Public Roadways in its next filing of Condition 96 – Reports on Aboriginal Engagement – Construction.	NEB_Cond_IR_No._31.2b	Project Lifecycle	Superseded by NEB Condition	96	
4,009	Aboriginal Engagement	NEB	All Aboriginal Groups that expressed an interest or concern will be contacted 3 months prior to clearing work to discuss how an opportunity could be developed for Salvageable Timber in their territory, within Spread 2.	NEB_IR_No._2.011c	Prior to Construction	Complete		
4,010	Aboriginal Engagement	NEB	All Aboriginal Groups that expressed an interest or concern will be contacted 3 months prior to clearing work to discuss how an opportunity could be developed for Salvageable Timber in their territory, within Spread 3.	NEB_IR_No._2.011c	Prior to Construction	Complete		
4,011	Aboriginal Engagement	NEB	All Aboriginal Groups that expressed an interest or concern will be contacted 3 months prior to clearing work to discuss how an opportunity could be developed for Salvageable Timber in their territory, within Spread 4.	NEB_IR_No._2.011c	Prior to Construction	Complete		
4,012	Aboriginal Engagement	NEB	All Aboriginal Groups that expressed an interest or concern will be contacted 3 months prior to clearing work to discuss how an opportunity could be developed for Salvageable Timber in their territory, within Spread 5A.	NEB_IR_No._2.011c	Prior to Construction	In Progress		

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4,013	Aboriginal Engagement	NEB	All Aboriginal Groups that expressed an interest or concern will be contacted 3 months prior to clearing work to discuss how an opportunity could be developed for Salvageable Timber in their territory, within Spread 5B.	NEB_IR_No._2.011c	Prior to Construction	In Progress		
4,014	Aboriginal Engagement	NEB	All Aboriginal Groups that expressed an interest or concern will be contacted 3 months prior to clearing work to discuss how an opportunity could be developed for Salvageable Timber in their territory, within Spread 6.	NEB_IR_No._2.011c	Prior to Construction	In Progress		
118	Commercial	City of Burnaby	Trans Mountain is committed to a Community Benefits program and these positive legacies are in addition to any increase in property taxes, employment, procurement opportunities, and workforce spending that might arise from the proposed Project.	City_Burnaby_IR_No._1.44.01i	Project Lifecycle	Superseded by NEB Condition	7	
482	Commercial	NEB	Trans Mountain will continue to develop and implement an Environmental Stewardship program as part of the Trans Mountain Expansion Project. Trans Mountain will negotiate Memoranda of Understanding (MOU) with key stakeholders in each community that could be involved in the Environmental Stewardship Program.	NEB_IR_No._3.036a	Prior to Construction	Superseded by NEB Condition	145	
483	Commercial	NEB	Trans Mountain will continue to develop and implement its Community Benefits Program as detailed in the Application and in the response to NEB IR 3.036a. Trans Mountain has and will continue to negotiate Memoranda of Understanding (MOU) with key stakeholders in each community that will be involved in the Community Benefits Program for the Project.	NEB_IR_No._3.036b	Project Lifecycle	Superseded by NEB Condition	145	
666	Commercial	City of New Westminster; Metro Vancouver	Trans Mountain is committed to investing in community benefits initiatives in municipalities and regions crossed by the Project.	City_New_Westminster_IR_No._2.C.3.iii Metro_Vancouver_IR_No._1.1.4.02b	Project Lifecycle	Superseded by NEB Condition	145	
2,204	Commercial	NEB	Trans Mountain will ensure memorandums of understanding (MOUs) are drawn up as initiatives are confirmed for the Environmental Stewardship Program.	NEB_IR_No._3.036b	Prior to Construction	Superseded by NEB Condition	145	
81	Corporate	Robyn Allan	Trans Mountain will pay the expenses related to the debt financing for the Trans Mountain Expansion Project.	Allan_R_IR_No._1.06__hh	Project Lifecycle	Superseded by Management Plan		
85	Corporate	NEB	Trans Mountain will have in place a stand-alone liability policy to cover liabilities that may arise as a result of the construction activities undertaken by the Project. Third-party contractors involved in the construction of the Project will also be required to maintain their own separate insurance coverage.	NEB_IR_No._1.8a	Prior to Construction	Complete		
865	Corporate	Squamish Nation	Trans Mountain will commit to paying all claims for which it is legally responsible; this could be the case for a land-based spill from a pipeline or marine terminal incident if oil spill impacts occurred within Squamish territory.	Squamish_Nation_IR_No._2.15.c	Project Lifecycle	Superseded by Legal/Regulatory Requirement		
871	Corporate	Cheam First Nation and Chawathil First Nation	Trans Mountain is committed to responding respectfully to and making all reasonable efforts to achieve cooperative settlements on all claims contemplated within the NEB Act and our land tenure contracts.	Cheam_and_Chawathil_FN_IR_No._2(b).3.3.b	Project Lifecycle	Superseded by Legal/Regulatory Requirement		

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87	Emergency Management	City of Burnaby	Trans Mountain will file the emergency management plan documents for the existing system on August 1, 2014 along with a request, pursuant to the Filing Manual, that the NEB treat them confidentially.	City Burnaby Attachment - Table 1.07.11 c)	Prior to Construction	Complete		On 2014-08-01 Trans Mountain filed a notice of motion to file confidential the Emergency Management Program. [TM Hearing Document: B246] On 2014-10-17, The Emergency Response Plans were filed with the NEB and can be found under TM Hearing Document: B279.
93	Emergency Management	Natural Resources Canada	The debris disposal mitigation measures, as they pertain to potential fire hazards, will be incorporated into the Fire Prevention Plan.	GoC_NRCan_IR_No._1.07.1 b)	During Construction	Superseded by NEB Condition	89	
97	Emergency Management	NEB; New Democratic Party of Canada	Trans Mountain has agreed to participate and support the Scientific Advisory Committee process and is working with the Canadian Energy Pipeline Association (CEPA) and the Canadian Association of Petroleum Producers (CAPP).	NEB_IR_No._1.63a, NEB_IR_No._1.63b, NDP_IR_No._1.1.5f	Prior to Operations	Superseded by NEB Condition	124	As part of the completion of NEB C-124, a discussion will include Trans Mountain's participation and support of the Scientific Advisory Committee.
98	Emergency Management	Province of British Columbia	As part of the Project, Trans Mountain will undertake a risk assessment and gap analysis to determine the need for additional Oil Spill Containment and Recovery (OSCAR) units and the most effective location for placement of the additional OSCARs.	Province_BC_IR_No._1.1.22 a	Prior to Operations	Superseded by BC EAO	31	This commitment to the Province of BC evolved into Condition BC EAO C-31.
101	Emergency Management	Simon Fraser University	Trans Mountain acknowledges Simon Fraser University's (SFU's) interests and concerns about consultation opportunities for the updated Emergency Management Program (EMP) for the Trans Mountain Expansion Project and will invite SFU to participate in the process such as Trans Mountain Emergency Management Program.	SFU_IR_No._2.6.8	Prior to Operations	Superseded by NEB Condition	90, 117	Through workshops and 1 on 1 meetings TMEP has consulted as outlined in NEB C-90 and will continue to engage parties as describe in TMEP's Consultation Plan (NEB C-90), and would be reporting the results as per NEB C-117.
104	Emergency Management	NEB	Trans Mountain will establish control points for the new and proposed pipeline and conduct a regular review once in operation.	NEB_IR_No._1.73a, NEB_IR_No._1.73b	Prior to Operations	Superseded by NEB Condition	125	As part of the completion of NEB C-125 and BC EAO C-33, KMC is assessing and implementing existing and new Control Points, which will result in a documented inventory of Control Points.
105	Emergency Management	NEB	Trans Mountain will maintain its Community Awareness and Emergency Response (CAER) program and include the Trans Mountain Expansion Project.	Part 2 – Consultation Update No. 1	During Operations	Superseded by Management Plan		KMC's Emergency Management Program outlines all Liaison and Continuing Education activities as per sections 33 and 35 of the Onshore Pipelines Regulations, including Community Awareness and Emergency Response (CAER).
106	Emergency Management	NEB	Trans Mountain will be part of a forthcoming collaborative mutual aid protocol between members of the energy pipeline industry, spearheaded by the Canadian Energy Pipeline Association, to support each other's emergency response efforts as needed.	Application Volume 5B, s 5, 5-162	Prior to Operations	Complete		On 2014-01-01, Canadian Energy Pipeline Association (CEPA) Mutual Emergency Assistance Agreement (MEAA) was signed by all CEPA company members.
111	Emergency Management	City of Abbotsford	Trans Mountain will consult with the City of Abbotsford and its first responders in Emergency Management planning.	City_of_Abbotsford_IR_No._1.08a	Prior to Operations	Superseded by NEB Condition	90, 117	Through workshops and 1 on 1 meetings TMEP has consulted as outlined in NEB C-90 and will continue to engage parties as describe in TMEP's Consultation Plan (NEB C-90), and would be reporting the results as per NEB C-117.
112	Emergency Management	District of North Vancouver	Trans Mountain is committed to engaging with the District of North Vancouver on the Notification process regarding an unlikely event of a release.	District_of_North_Vancouver_IR_No._2.02.01h	During Operations	Superseded by Management Plan		Notifications to municipalities impacted by a release is a process included in the Emergency Response Plans. Furthermore, Liaison roles and responsibilities with Third Parties are outlined in KMC's 2016 Incident Command System Guide
255	Emergency Management	Squamish Nation	In the event of a spill that were to impact Squamish land Trans Mountain will commit to meet with Squamish to understand the remediation concerns and interests, and work to resolve any issues that are not resolved in the initial clean up.	Squamish_Nation_IR_No. 2.04(h)	During Operations	Superseded by Management Plan		In the event of an incident, KMC Emergency Response Plans and ICS guide identifies procedures for working and addressing environmental concerns.

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471	Emergency Management	NEB	Trans Mountain remains committed to participating through its membership in Canadian Energy Pipeline Association (CEPA) in the Province's Land Base Spill Response initiative.	NEB_IR_No._3.023a	During Operations	In Progress		KMC is participating in BC Land Base spill response working groups and participates in the industry formed BC provincial coordination organization (PCO). KMC is also supporting the BC Land Base spill response through its membership in CEPA.
532	Emergency Management	NEB	Trans Mountain commits to engaging with local emergency responders near the Edmonton Terminal to ensure that they are aware of all of the available fire-protection systems and procedures prior to the commencement of operations.	NEB_IR_No.4_28c	Prior to Operations	Superseded by NEB Condition	90, 117	Through workshops and 1 on 1 meetings TMEP has consulted as outlined in NEB C-90 and will continue to engage parties as describe in TMEP's Consultation Plan (NEB C-90), and would be reporting the results as per NEB C-117.
559	Emergency Management	Art Jackson O/A Alpine Art	Trans Mountain will be developing Geographic Response Plans (GRPs) for all the areas transited by its expanded pipeline system.	Alpine_Art_IR_No._2.5	Prior to Operations	Superseded by NEB Condition	125	As part of the completion of NEB C-125 and BC EAO C-33, Geographical Response Plans will be developed.
569	Emergency Management	Burnaby Teachers' Association	Trans Mountain commits to working with individual schools or School Districts to fully support their safety efforts and ensure their Emergency Response Plans are coordinated with Trans Mountain's.	BTA_IR_No._2.7	Prior to Operations	Superseded by NEB Condition	90, 117	Through 1 on 1 meetings TMEP has engaged the Burnaby School District and developed and provided a specific "school ERP supplement" for all the schools identified near the TMPL.
583	Emergency Management	City of Abbotsford	Trans Mountain confirms that an analysis is currently underway and that work to date will result in an Oil Spill Containment and Recovery (OSCAR) unit being staged within the City of Abbotsford at the Sumas Pump Station beginning in the summer of 2015.	City_of_Abbotsford_IR_No._2.3.07a	During Operations	Complete		Q3 2015, An Oil Spill Containment and Recovery (OSCAR) unit was relocated at the Sumas Pump Station. Equipment location is assessed yearly as part of the planning standard review.
587	Emergency Management	City of Abbotsford	Trans Mountain commits to continued engagement with the City of Abbotsford on enhancements to the Emergency Management Program (EMP).	City_of_Abbotsford_IR_No._2.2.01.a)	Prior to Operations	Superseded by NEB Condition	90, 117	Through workshops and 1 on 1 meetings TMEP has consulted as outlined in NEB C-90 and will continue to engage parties as describe in TMEP's Consultation Plan (NEB C-90), and would be reporting the results as per NEB C-117.
608	Emergency Management	City of Burnaby	Trans Mountain will consider risk sensitive monitoring and proximity audible warning systems as a possible option in the course of its development of the enhanced Emergency Management Plan (EMP).	City_Burnaby_IR_No._2.024	Prior to Operations	Superseded by NEB Condition	123, 125, 126	As a requirement for NEB C-123, notification processes will be reviewed and discussed with authorities with jurisdiction to initiate public safety measures, and be the results documented as per NEB C-123.
657	Emergency Management	City of Kamloops	Trans Mountain will consult with the City of Kamloops and its first responders in Emergency Management planning.	City_of_Kamloops_IR_No._2.12	Prior to Operations	Superseded by NEB Condition	90, 117	Through workshops and 1 on 1 meetings TMEP has consulted as outlined in NEB C-90 and will continue to engage parties as describe in TMEP's Consultation Plan (NEB C-90), and would be reporting the results as per NEB C-117.
667	Emergency Management	City of New Westminster	Trans Mountain will consult with the City of New Westminster and its first responders in Emergency Management planning.	City_New_Westminster_IR_No._2.D.1	Prior to Operations	Superseded by NEB Condition	90, 117	Through workshops and 1 on 1 meetings TMEP has consulted as outlined in NEB C-90 and will continue to engage parties as describe in TMEP's Consultation Plan (NEB C-90), and would be reporting the results as per NEB C-117.
673	Emergency Management	City of North Vancouver	Trans Mountain will consult with the City of North Vancouver and its first responders in Emergency Management planning.	City_North_Vancouver_IR_No._2.2.4	Prior to Operations	Superseded by NEB Condition	90, 117	Through workshops and 1 on 1 meetings TMEP has consulted as outlined in NEB C-90 and will continue to engage parties as describe in TMEP's Consultation Plan (NEB C-90), and would be reporting the results as per NEB C-117.

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680	Emergency Management	City of Port Moody	Trans Mountain will commit to engaging with Port Moody in the review of the Westridge Emergency Response Plan.	City_of_Port_Moody_IR_No._2.3.28	Prior to Operations	Superseded by NEB Condition	90, 117	Through workshops and 1 on 1 meetings TMEP has consulted as outlined in NEB C-90 and will continue to engage parties as describe in TMEP's Consultation Plan (NEB C-90), and would be reporting the results as per NEB C-117.
686	Emergency Management	Metis Nation of Alberta Gunn Metis Local 55	Geographic Response Plans (GRPs) will be developed and ready for application, to any spills that may potentially occur, prior to the expanded pipeline system beginning operations.	Gunn_Métis_Local_55_IR_No._2.18	Prior to Operations	Superseded by NEB Condition	125	As part of the completion of NEB C-125 and BC EAO C-33, Geographical Response Plans are being developed.
734	Emergency Management	City of Richmond	Trans Mountain will consult with the City of Richmond and its first responders in Emergency Management planning.	City_of_Richmond_IR_No._2.2.12	Prior to Operations	Superseded by NEB Condition	90, 117	Through workshops and 1 on 1 meetings and exercise attendance TMEP has consulted as described in NEB C-90 and will continue to engage parties as describe in TMEP's Consultation Plan (NEB C-90), and would be reporting the results as per NEB C-117.
736	Emergency Management	City of Richmond	As part of enhancing its Emergency Management Program prior to operation of the expanded pipeline system, Trans Mountain will be reviewing and augmenting its inventory of control points.	City_of_Richmond_IR_No._2.2.15	Prior to Operations	Superseded by NEB Condition	125	As part of the completion of NEB C-125 and BC EAO C-33, KMC is assessing and implementing existing and new Control Points, which will result in a documented inventory of Control Points.
746	Emergency Management	City of Vancouver	Trans Mountain will invite the Vancouver Coastal Health Authority and the Fraser Valley Health Authority to participate in Emergency Management Planning.	City_of_Vancouver_IR_No._2.04.03	Prior to Operations	Superseded by NEB Condition	90, 117	Through workshops and 1 on 1 meetings TMEP has consulted as outlined in NEB C-90 and will continue to engage parties as describe in TMEP's Consultation Plan (NEB C-90), and would be reporting the results as per NEB C-117.
747	Emergency Management	City of Vancouver	Trans Mountain will incorporate wording into the current Emergency Management Program (EMP) documents for Westridge Marine Terminal during the 2015 annual update of the Emergency Response Plan (ERP) to ensure clarity around response actions during a fire event specific to the terminal based on the recommendations in the Emergency response Guidebook (ERG) 2012.	City_of_Vancouver_IR_No._2.04.06.a	Prior to Operations	Complete		The Westridge Marine Terminal Emergency Response Plan will be updated in 2017 to reference the Emergency Response Guidebook - 2016 (newest version). Westridge Marine Terminal fire plans detail the response actions to be taken during a fire event at the Marine Terminal.
757	Emergency Management	Katzie First Nation	Affected Aboriginal groups will be invited to participate in Unified Command in the event of an incident.	Katzie_FN_IR_No._2.2.12a	During Operations	Complete		2016 KMC ICS Guide Section 6.4 includes directions that in the event of a multi-jurisdictional incident, Unified Command will be struck and impacted First Nations will be invited to be a member of the Unified Command.
772	Emergency Management	Province of British Columbia	Trans Mountain will consult with the Province of BC in Emergency Management planning.	Province_BC_IR_No._2.21	Prior to Operations	Superseded by NEB Condition	90, 117	Through workshops and 1 on 1 meetings TMEP has consulted as outlined in NEB C-90 and will continue to engage parties as describe in TMEP's Consultation Plan (NEB C-90), and would be reporting the results as per NEB C-117.
774	Emergency Management	Province of British Columbia	As part of the Emergency Management Program (EMP) review Trans Mountain will review information regarding shelter-in-place to ensure suitable messaging is incorporated into responses plans and public awareness materials.	Province_BC_IR_No._2.31g	Prior to Operations	Superseded by NEB Condition	123, 124, 125	The planning process required for NEB C-123 and C-125, will include the review of public safety messaging and the appropriate updates to response plans and public awareness materials.

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775	Emergency Management	Province of British Columbia	For areas that may potentially be affected by an oil spill from Trans Mountain along the Fraser and North Thompson Rivers Trans Mountain will: <ul style="list-style-type: none"> <li>•identify and map side channels that could be used in containment and recovery of oil,</li> <li>•consider access to these side channels and include access details in its Emergency Management Plan (EMP) documents, and</li> <li>•identify available boat launches on these side channels and the spill response equipment in their vicinity.</li> </ul>	Province_BC_IR_No._2.32	Prior to Operations	Superseded by NEB Condition	125	As part of the completion of NEB C-125 and BC EAO C-33, Geographical Response Plans will be developed.
776	Emergency Management	Wembley Estates Strata Council	Trans Mountain is committed to ensuring a prompt and immediate response to any fire event that involves Trans Mountain Pipeline or Facilities to protect the public, employees, environment, and property.	Wembley_Estates_IR_No._2.2f	Prior to Operations	Superseded by NEB Condition	125	As part of the completion of NEB C-127, KMC will demonstrate the adequacy of the fire protection and firefighting systems at the Burnaby Terminal, and the Westridge Marine Terminal.
778	Emergency Management	Tsleil-Waututh Nation	Trans Mountain acknowledges the Tsleil-Waututh Nation's interests and concerns with regard to the updated Emergency Management Program (EMP) for the Trans Mountain Expansion Project (the Project) and will invite the Tsleil-Waututh Nation to participate in the process described above.	Tsleil-Waututh_Nation_IR_No._2.3.1a	Prior to Operations	Superseded by NEB Condition	90, 117	Through workshops and 1 on 1 meetings TMEP has consulted as outlined in NEB C-90 and will continue to engage parties as describe in TMEP's Consultation Plan (NEB C-90), and would be reporting the results as per NEB C-117.
781	Emergency Management	Province of British Columbia	The current Emergency Management Programs will be updated to reflect the new program name and description of the Regional Environmental Emergencies Team (REET) in the spring of 2015.	Province_BC_IR_No._2.43	Prior to Construction	Complete		Trans Mountain Emergency Response Plan 2016 version is currently published on TM web site. The ERP reflects the Regional Environmental Emergencies Team (REET) new program name and description.
782	Emergency Management	Province of British Columbia	Trans Mountain has evaluated and completed pre-spill SCAT (shoreline characterization) surveys applicable to a potential spill at the Westridge Marine Terminal (WMT) and will be evaluating the surveys and activities as part of the enhanced emergency management review.	Province_BC_IR_No._2.48a	Prior to Operations	Complete		Pre SCAT surveys have been completed in 2015 for areas of the Burrard Inlet applicable to a potential spill from the Westridge Marine Terminal (WMT). Results have been shared with the Certified Response Organization.
816	Emergency Management	Fraser Valley Regional District	Trans Mountain will conduct a consultation program as part of developing the updated Emergency Management Plan (EMP) as described in the NEB draft conditions related to emergency management.	FVRD_IR_No._2.02	Prior to Operations	Superseded by NEB Condition	90, 117	Through workshops and 1 on 1 meetings TMEP has consulted as outlined in NEB C-90 and will continue to engage parties as describe in TMEP's Consultation Plan (NEB C-90), and would be reporting the results as per NEB C-117.
817	Emergency Management	NEB	Trans Mountain commits to engaging with local emergency responders near the Edmonton Terminal to ensure that they are aware of all of the available fire-protection systems and procedures prior to the commencement of operations.	NEB_IR_No._4_28c	Prior to Operations	Superseded by NEB Condition	90, 117	Through workshops and 1 on 1 meetings TMEP has consulted as outlined in NEB C-90 and will continue to engage parties as describe in TMEP's Consultation Plan (NEB C-90), and would be reporting the results as per NEB C-117.
864	Emergency Management	Squamish Nation	In the event that a pipeline release somehow adversely impacted drinking water aquifer conditions that supply Squamish Nation, Trans Mountain will commit to working with the leadership of the Nation to identify surplus capacity from other drinking water sources in the area, while suitable replacement alternatives were established and implemented.	Squamish_Nation_IR_No._2.12j	During Operations	Superseded by Management Plan		In the event of an incident, KMC Emergency Response Plans and ICS guide identifies procedures for working and addressing environmental concerns.

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869	Emergency Management	Cheam First Nation and Chawathil First Nation	Trans Mountain will consult with First Nations in the development of enhanced Emergency Response Plans (ERPs) for the expanded pipeline system. Trans Mountain is in the planning stages for a workshop series. The series is expected to commence in Q2 2015 and First Nations with an interest in the Project or Aboriginal interests potentially affected by the Project will be invited to attend.	Cheam_and_Chawathil_FN_IR_No._2(b).1.2.b.a	Prior to Operations	Superseded by NEB Condition	90, 117	Through workshops and 1 on 1 meetings TMEP has consulted as outlined in NEB C-90 and will continue to engage parties as describe in TMEP's Consultation Plan (NEB C-90), and would be reporting the results as per NEB C-117.
898	Emergency Management	Tsleil-Waututh Nation	Trans Mountain will consult with the Tsleil-Waututh Nation in Emergency Management planning.	Tsleil-Waututh_Nation_IR_No._2.3.1a	Prior to Operations	Superseded by NEB Condition	90, 117	Through workshops and 1 on 1 meetings TMEP has consulted as outlined in NEB C-90 and will continue to engage parties as describe in TMEP's Consultation Plan (NEB C-90), and would be reporting the results as per NEB C-117.
901	Emergency Management	Wembley Estates Strata Council	Trans Mountain will consider risk sensitive monitoring and proximity audible warning systems as a possible option in the course of its development of the enhanced Emergency Management Program.	Wembley_Estates_IR_No._2.2g	Prior to Operations	Superseded by NEB Condition	123	As a requirement for NEB C-123, notification processes will be reviewed and discussed with authorities with jurisdiction to initiate public safety measures, and be the results documented as per NEB C-123.
921	Emergency Management	Simon Fraser University	Trans Mountain will consult with Simon Fraser University in Emergency Management planning.	SFU_IR_No._2.1.3	Prior to Operations	Superseded by NEB Condition	90, 117, 123	Through workshops and 1 on 1 meetings TMEP has consulted as outlined in NEB C-90 and will continue to engage parties as describe in TMEP's Consultation Plan (NEB C-90), and would be reporting the results as per NEB C-117. In addition, TMEP is consulting SFU as per NEB C-123 Evacuation Plan.
922	Emergency Management	Simon Fraser University	Trans Mountain commits to continued engagement with Simon Fraser University (SFU) on issues such as safety, 24 hour access and risk mitigation which outline the hazards and risks that the Burnaby Terminal poses to SFU, as part of the Emergency Management Plan (EMP) consultation process.	SFU_IR_No._2.1.4	Prior to Operations	Superseded by NEB Condition	90, 117, 123	Through workshops and 1 on 1 meetings TMEP has consulted as outlined in NEB C-90 and will continue to engage parties as describe in TMEP's Consultation Plan (NEB C-90), and would be reporting the results as per NEB C-117. In addition, TMEP is consulting SFU as per NEB C-123 Evacuation Plan.
923	Emergency Management	Simon Fraser University	Trans Mountain confirms that Simon Fraser University (SFU) will be added to a notification list in the event of an emergency at Burnaby Terminal that may impact SFU.	SFU_IR_No._2.1.4	Prior to Operations	Complete		The Burnaby Terminal and Westridge Marine Terminal Emergency Response Plans now list SFU for notification of an incident.
924	Emergency Management	Simon Fraser University	Although the full details of the Emergency Management Plan (EMP) documents are not appropriate to include as part of public filing, Trans Mountain is willing to meet with Simon Fraser University to discuss Trans Mountain's existing and updated EMP documents.	SFU_IR_No._2.1.6	Prior to Operations	Superseded by NEB Condition	90, 117, 123	Through workshops and 1 on 1 meetings TMEP has consulted as outlined in NEB C-90 and will continue to engage parties as describe in TMEP's Consultation Plan (NEB C-90), and would be reporting the results as per NEB C-117. In Addition, TMEP is meeting with SFU to discuss evacuation plan as part of NEB C-123.
933	Emergency Management	Calvin Taplay	As with all schools in proximity to its pipeline and terminals, Trans Mountain remains willing and able to review Westridge Elementary School's emergency response plan and provide input and advice on the plan if this is requested.	Taplay_C_IR_No._2.073	Prior to Operations	Superseded by NEB Condition	90, 117	Through 1 on 1 meetings TMEP has engaged the Burnaby School District and developed and provided a specific "school ERP supplement" for all the schools identified near the TMPL
939	Emergency Management	District of North Vancouver	Trans Mountain will consult with the District of North Vancouver in Emergency Management planning.	District_of_North_Vancouver_IR_No._2.01.2	Prior to Operations	Superseded by NEB Condition	90, 117	Through workshops and 1 on 1 meetings TMEP has consulted as outlined in NEB C-90 and will continue to engage parties as describe in TMEP's Consultation Plan (NEB C-90), and would be reporting the results as per NEB C-117.

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1,594	Emergency Management	Cheam First Nation and Chawathil First Nation	Consultation regarding Emergency management planning with First Nations will occur during individual sessions to be scheduled with each affected First Nation commencing in Q 2, 2015.	Cheam_and_Chawathil_FN_IR_No._2(b).1.2.c.b	Prior to Operations	Superseded by NEB Condition	90, 117	Through 1 on 1 meetings, TMEP has consulted as outlined in NEB C-90 and will continue to engage parties as described in TMEP's Consultation Plan (NEB C-90), and would be reporting the results as per NEB C-117.
1,597	Emergency Management	Province of British Columbia	Trans Mountain will develop Geographic Response Plans (GRPs) which will become a part of the enhanced Emergency Management Program (EMP).	Province_BC_IR_No._2.35	Prior to Operations	Superseded by NEB Condition	125	As part of the completion of NEB C-125 and BC EAO C-33, KMC is assessing and implementing existing and new Control Points, which will result in a documented inventory of Control Points.
1,598	Emergency Management	Peters Band	Affected Aboriginal groups will be invited to participate in Unified Command and encouraged to put forth their objectives and priorities along with other members of Unified Command, to be directly involved in emergency response decision and definition of clean up criteria, and to receive real time updates throughout the course of the emergency.	Peters_Band_IR_No._2(b).2.4a	During Operations	Complete		In the event of a multi- jurisdictional incident, Unified Command will be struck and impacted First Nations will be invited to be a member of the Unified Command. this is an existing ops procedure.  This will be determined on a case by case basis as outlined in the Incident Command System (ICS) Field Guide.
1,615	Emergency Management	Sto:lo Collective	As part of the workshop series described in the response to Recommendation 2 Trans Mountain will offer a focused workshop to review Emergency Response Management planning.	Sto:lo Collective Recommendation #7, #17, #57, #72	Prior to Operations	Superseded by NEB Condition	90,117	Through workshops and 1 on 1 meetings TMEP has consulted as outlined in NEB C-90 and will continue to engage parties as describe in TMEP's Consultation Plan (NEB C-90), and would be reporting the results as per NEB C-117.
1,617	Emergency Management	Sto:lo Collective	Trans Mountain will discuss additional emergency response management (ERM) elements with Sto:lo representatives.	Sto:lo Collective Recommendation #10, #18, #19, #20, #84	Prior to Operations	Superseded by NEB Condition	90, 117	Through workshops and 1 on 1 meetings TMEP has consulted as outlined in NEB C-90 and will continue to engage parties as describe in TMEP's Consultation Plan (NEB C-90), and would be reporting the results as per NEB C-117.
1,618	Emergency Management	Sto:lo Collective	Trans Mountain will adhere to three-tiered response structure during its emergency response to any incident.	Sto:lo Collective Recommendation #10, #18, #84	During Operations	Complete		As part of NEB C-125 KMC has implemented a three-tiered response structure in it's Emergency Response Plans
1,619	Emergency Management	Sto:lo Collective	Trans Mountain will host 1-day Community Awareness and Emergency Response (CAER) presentation for Sto:lo representatives.	Sto:lo Collective Recommendation #10, #18, #84	During Operations	In Progress		Community Awareness and Emergency Response (CAER) is part of existing KMC Emergency Management program.
1,631	Emergency Management	Sto:lo Collective	In the event of a spill in S'ólh Téméxw, Sto:lo representation will be invited to participate in Unified Command as part of the Incident Command Structure (ICS).	Sto:lo Collective Recommendation #43	During Operations	Superseded by Management Plan		2016 ICS Guide Section 6.4 includes directions that in the event of a multi- jurisdictional incident, Unified Command will be struck and impacted First Nations will be invited to be a member of the Unified Command.
1,632	Emergency Management	Sto:lo Collective	In the event of a spill or leak, Trans Mountain would be responsible for additional monitoring of residual effects and remediation of impacts directly related to and caused by the spill.	Sto:lo Collective Recommendation #43	During Operations	Superseded by Management Plan		In the event of a spill or leak monitoring and remediation are part of KMC incident response and responsibilities
1,657	Emergency Management	Sto:lo Collective	Trans Mountain is committed to engagement regarding Community Awareness and Emergency Response (CAER). Additional reporting requests can be discussed.	Sto:lo Collective Recommendation #85	Prior to Operations	In Progress		Community Awareness and Emergency Response (CAER) is part of existing KMC Emergency Management program.
3,775	Emergency Management	Kamloops Fire Department	Trans Mountain will meet with the Kamloops Fire Department to develop a mutual aid agreement.	Non-Regulatory Commitment	Prior to Operations	Complete		On 2015-11-01, Mutual Aid Agreement was signed between KMC and City of Kamloops
3,786	Emergency Management	Workshop Participants	Trans Mountain will offer CAER training to first responders in the BC Interior.	SEEMP (Fraser Valley), 7/14/2015, Staketacker	During Operations	Complete		



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3,789	Emergency Management	Emergency Management BC	Trans Mountain will invite Kamloops Emergency Management Workshop attendees to participate in Emergency Management Exercises and Training and will follow-up with attendees regarding additional inputs to the Geographic Response Plans. Training may include security awareness where appropriate.	Community Benefit Agreement, 2/15/2016, StakeTracker	During Operations	Complete		Municipalities and Third parties are invited to participate in training sessions and exercises when exercises are located within or near their municipalities. KML covers the costs associated with instruction, but does not currently cover costs associated with attendance, such as responder wages, benefits and employment costs.
114	Employment and Training	NEB	To enhance skill development in support of the Project, Trans Mountain is developing an employment and training policy.	Pre-Application Project Description, p 46.	Prior to Construction	Complete		TMEP Employment Policy filed with the NEB through a consultation update during the hearing. TMEP Training Policy for Aboriginal Peoples filed with the NEB through a consultation update during the hearing.
445	Employment and Training	NEB	Trans Mountain is committed to maximize employment opportunities for local, regional and Aboriginal groups along the proposed corridor. Trans Mountain will ensure that construction contractors report on a monthly basis hiring statistics that include the percentage of local, regional and Aboriginal hiring's based on total workforce.	NEB_IR_No._1.23b, NEB_IR_No._1.24d	During Construction	Superseded by NEB Condition	107	
449	Employment and Training	NEB	Trans Mountain is committed to maximizing opportunities for regional participation in Project-related employment, most of which will be through contracting opportunities related to the Project construction. Where qualified local contractors are available, they will have the opportunity to participate in the contracting process established by Trans Mountain.	Application Volume 5B, 7-177.	Prior to Construction	Superseded by NEB Condition	11, 12	
451	Employment and Training	NEB	Trans Mountain will initiate an Aboriginal Employment and Training Program to support increased access to Aboriginal employment opportunities on the Project, which will further increase employment opportunities for Aboriginal communities.	Application Volume 5B, 7-183.	Prior to Construction	Superseded by NEB Condition	11, 12	
684	Employment and Training	NEB	If the Asini Wachi Nehiyawak (Mountain Cree) Traditional Band (AWNTB) provide the information required for entry into the Trans Mountain Employment Interests and Skill Registry directly to Trans Mountain, Trans Mountain will enter the data into the Registry on behalf of AWNTB.	NEB_Cond_IR_No._48.1	During Construction	Scoping		
952	Employment and Training	Georgia Strait Alliance	Trans Mountain is committed to maximizing employment and business opportunities for Aboriginal, local and regional groups.	Georgia_Strait_Alliance_IR_No._2(b).13a	During Construction	Superseded by NEB Condition	11, 12	
972	Employment and Training	Coldwater Indian Band	Aboriginal capacity inventory data will be provided to Trans Mountain's contractors for hiring purposes and each contractor will be required to report hiring statistics (refer to NEB IR No. 1.24d) on a monthly basis. Additionally, contractors will be required to include a monthly count of the number of hires from the capacity inventory list and a running total of the hires from the capacity inventory list. Trans Mountain will consult with the community and request aggregate information on capacity.	CIB_IR_No._1.4f	During Construction	Superseded by NEB Condition	11, 12, 107	
973	Employment and Training	Ermieskin Cree Nation; Kelly Lake Cree Nation; Samson Cree Nation; Sucker Creek First Nation; Whitefish (Goodfish) Lake First Nation #128	Trans Mountain will perform a capacity inventory for labour and skills in Aboriginal communities associated with the Project. The community will be consulted to understand the training requirements needed to develop job-ready candidates during construction. Training programs may be identified and coordinated. The Aboriginal capacity inventory data will be provided to Trans Mountain's contractors for hiring purposes.	Nations_IR_No._1.1.5g	Prior to Construction	Superseded by NEB Condition	11, 12	Will be completed as part of the Aboriginal, local and regional skills and business capacity inventory and the Training and Education Monitoring Plan.

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1,644	Employment and Training	Sto:lo Collective	Trans Mountain is committed to continued engagement with Sto:lo representatives to discuss opportunities related to employment.	Sto:lo Collective Recommendation #67	Project Lifecycle	In Progress		
1,645	Employment and Training	Sto:lo Collective	<p>As part of developing the capacity inventory, Trans Mountain is committed to working with Sto:lo representatives to gather community-level information on Aboriginal labour force (as outlined in the letter shared by Trans Mountain on February 12, 2015) and business capacity for Sto:lo communities (as outlined in the letter shared by Trans Mountain on February 5, 2015). Trans Mountain will share with Sto:lo the full details of the Sto:lo-specific skill and business capacity information collected as part of the capacity inventory in hopes it can assist Sto:lo communities in longer-term economic development initiatives unrelated to the Project.</p> <p>Data for the Project-wide capacity inventory will continue to be collected through the construction planning and construction phase. An update to the capacity inventory will be filed with the NEB, and made available to Sto:lo representatives, at least 90 days prior to commencing construction.</p>	Sto:lo Collective Recommendation #67, #68	Prior to Construction	In Progress		
1,646	Employment and Training	Sto:lo Collective	Trans Mountain will discuss the opportunity to develop community-specific approaches to consult on, and share information related to, the outcomes of the Aboriginal, local and regional employment and business opportunities monitoring. On the basis of this engagement, Trans Mountain will prepare and submit to the Sto:lo a plan for reporting Sto:lo-specific employment and business opportunity monitoring outcomes.	Sto:lo Collective Recommendation #69, #67	Prior to Construction	In Progress		
1,647	Employment and Training	Sto:lo Collective	In addition to an agreement between Sto:lo and Trans Mountain to create a Project-specific economic development strategy, Trans Mountain will engage directly with Sto:lo representatives during each Aboriginal, local and regional employment and business opportunities monitoring cycle. Trans Mountain will develop a summary of employment and business opportunities (based on the monitoring indicators) specific to the Sto:lo communities. Trans Mountain will discuss each Sto:lo-specific Aboriginal, local and regional employment and business opportunity monitoring outcome with Sto:lo representatives, as part of the mutually agreed upon engagement strategy, and identify any new opportunities to further enhance employment or business opportunities for Sto:lo members.	Sto:lo Collective Recommendation #70, #67	Prior to Construction	In Progress		
1,882	Employment and Training	NEB	Trans Mountain will create an online employment communications tool where potential workers who are interested in employment can register to receive regular updates on employment opportunities.	Application Volume 5B, 7-43.	Prior to Construction	Complete		
2,117	Employment and Training	NEB	Trans Mountain is committed to a legacy of education and training opportunities, particularly for those in Alberta and BC, so individuals may directly benefit from employment in the many trades and professions needed to build and operate a pipeline. Trans Mountain is developing a program to provide educational funding to support students in the trades, technology and environmental programs related to the pipeline industry.	NEB_IR_No._3.036	Prior to Construction	Complete		
2,942	Employment and Training	Metis Nation of Alberta Gunn Metis Local 55	Trans Mountain is committed to maximizing Aboriginal employment on the construction of the Project.	Gunn Métis Local 55_IR_No._2.34, Gunn Métis Local 55_IR_No._2.36	Prior to Construction	Superseded by NEB Condition	11, 12	

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2,995	Employment and Training	Kwantlen First Nation; NEB	Trans Mountain will initiate an Aboriginal Employment and Training Program to support increased access to Aboriginal employment opportunities on the Project.	NEB_IR_No._3.008a-Attachment_1  Kwantlen_FN_IR_No._1.02.3	Prior to Construction	Superseded by NEB Condition	11, 12	
4	Environment	Adams Lake Indian Band	All dredging will be in accordance with the Department of Fisheries and Oceans Canada (DFO), Environment Canada (EC), Vancouver Fraser Port Authority DBA Port Metro Vancouver and other regulatory requirements and will occur within the DFO least-risk work window for Burrard Inlet, from August 16 to February 28, unless otherwise authorized by DFO (see Section 7.6.9.4 in Volume 5A). If dredging is required, detailed sampling will be conducted in the dredge area not already sampled to characterize sediment chemistry. Sediment plume modelling will be employed to determine the extent and magnitude of total suspended solids generated during dredging.	ALIB_IR_No._1.3.01a	Prior to Construction	Superseded by NEB Condition	35	
5	Environment	Adams Lake Indian Band	All hydrostatic test water to be released directly or indirectly into a watercourse/wetland/lake will be tested prior to and during release. Any parameters to be tested that are not measurable in the field will be tested prior to release, not during release. Hydrostatic test water will be tested and verified as meeting guidelines for contaminant concentrations before it is released in accordance with approval/permit/notification conditions.	ALIB_IR_No._1.2.6a	Prior to Construction	Superseded by NEB Condition	72	
7	Environment	NEB	Trans Mountain will review and consider concerns raised by Aboriginal communities regarding the roles and responsibilities of the Aboriginal Monitors.	NEB_IR_No._1.22e	Prior to Construction	Superseded by NEB Condition	98	
16	Environment	Parents From Cameron Elementary School Burnaby	Noise management plans that will be developed for the Project construction will incorporate the components of the NEB Draft Condition No. 29 (Pipeline Environmental Protection Plan) of the NEB's Letter – Draft Conditions and Regulatory Oversight (NEB 2014) limit the effect of noise at sensitive receptors and include a monitoring component to verify effectiveness of controls.	Cameron_School_Parents_IR_No._1.2.1a	Prior to Construction	Superseded by NEB Condition	74,80,86	
24	Environment	City of Abbotsford	Trans Mountain will commit to meeting the specifications of the Ledgeview Golf Course in its restoration methods (for example, type of soil, grass).	City_of_Abbotsford_IR_No._1.25b.ii	During Operations	Superseded by Management Plan		
27	Environment	City of Abbotsford	Trans Mountain will develop and implement a restoration plan for Ledgeview Golf Course.	City_of_Abbotsford_IR_No._1.25b.i	Prior to Construction	Superseded by Management Plan		
32	Environment	City of Burnaby	The Trans Mountain contractor (yet to be determined) will select a wildlife-proof garbage container suitable for the volume of material expected.	City_Burnaby_IR_No._1.19.10f	Prior to Construction	Superseded by NEB Condition	72,78,81	
34	Environment	City of Burnaby	Trans Mountain will conduct construction noise monitoring at the Westridge Marine Terminal which will incorporate the components of the NEB Draft Condition No. 33 of the NEB's Letter – Draft Conditions and Regulatory Oversight (NEB 2014). For noise during operations, a monitoring program will be conducted at the terminal as outlined in Section 9.10 of Volume 6A, Environmental Compliance of the Application.	City_Burnaby_IR_No._1.29.01b	Prior to Construction	Superseded by NEB Condition	74, 80, 86	

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38	Environment	Halston Hills Co-op	Trans Mountain will endeavour to limit the amount of tree removal adjacent to the Halston Hills Co-op. Depending on factors such as location, land-use, etc., replanting of trees may be undertaken within the temporary workspace locations that were cleared as part of the proposed construction. Final clearing and restoration requirements will be determined through detailed engineering and design.	Halston_Hills_IR_No._1.4g.i	Prior to Construction	In Progress		
40	Environment	Parents From Cameron Elementary School Burnaby	Trans Mountain will manage noise through applicable NEB Draft Conditions No. 29 through 33, and 57 relating to updated Environmental Protection Plans, Horizontal Directional Drilling Noise Management Plan, a Noise Management Plan for pump stations, facilities and Westridge Marine Terminal, and post-construction noise surveys at select terminals.	Cameron_School_Parents_IR_No._1.2.2a	Project Lifecycle	Superseded by NEB Condition	72, 74, 78, 80, 81, 141	
45	Environment	Simpco First Nation	Aboriginal monitors will be invited to attend kick-off meetings.	SIMPCW_F_N_IR_No._1.149a	Prior to Construction	Superseded by NEB Condition	72	
46	Environment	City of Abbotsford	The Reclamation Plan will be finalized before construction. Trans Mountain will consult with the City of Abbotsford to develop the reclamation strategy for City lands that may be disturbed during construction of the TMEP.	City_of_Abbotsford_IR_No._2.2.09c)	During Construction	In Progress		
48	Environment	NEB	An Agricultural Monitor who is familiar with soils, drainage and agricultural production will be in place for the Lower Mainland of BC. Environmental Inspectors will be in place in all geographic areas.	NEB_IR_No._2.045b	Prior to Construction	Superseded by NEB Condition	72	
49	Environment	NEB	In the case where use of an impact hammer is deemed necessary for engineering reasons, Trans Mountain will implement underwater noise mitigation such as bubble curtains at the Westridge Marine Terminal.	Application Volume 5A, 7-467.	During Construction	Superseded by NEB Condition	81	
52	Environment	NEB	Trans Mountain will develop and implement a Worker Code of Conduct policies, which will cover guidance on the safe and respectful use of community facilities.	Application Volume 5B, 7-150.	Prior to Construction	Superseded by NEB Condition	59	
61	Environment	NEB	Trans Mountain will work with Environment Canada and comply with the Migratory Birds Convention Act and Migratory Birds Sanctuary Regulations related to the Project components and impacts. Trans Mountain will conduct clearing and preconstruction activities outside the minimum migratory bird restricted activity period (RAP) of May 1 to July 31 where practical.	Application Volume 5A, Technical Update No. 1 and Consultation Update No. 2 - Part 2 Table 1.6.2-1	During Construction	Superseded by NEB Condition	72, 78, 81	
63	Environment	NEB	Trans Mountain will, as soon as weather and soil conditions permit and insofar as it is practicable so to do, bury and maintain the Pipeline in a manner that will not interfere with the drainage or ordinary cultivation of the Lands, and will restore all drains damaged or disturbed by the operation, according to good drainage practice.	Application Volume 2, appendix E.	During Construction	Superseded by NEB Condition	72	
65	Environment	Adams Lake Indian Band	In the unlikely event existing sediment contamination is identified at a watercourse crossing during construction, Trans Mountain will implement remedial measures in the Contamination Discovery Contingency Plan in Appendix B of Volume 6B of the Application.	ALIB_IR_No._1.2.3a.2, Volume 6B Appendix B (A3S253 PDF page 165)	During Construction	Superseded by NEB Condition	72	
67	Environment	NEB	Any salvaged topsoil or stripping will be segregated and stockpiled along the construction right-of-way, and at facility sites in low-profile berms or in piles adjacent to the site perimeter.	Pre-Application Project Description, p 18.	During Construction	Superseded by NEB Condition	72, 78, 81	
69	Environment	NEB	The contractor(s), subcontractors and the Inspector(s) will be provided with copies of all approvals/licenses and permits including the most recent updates and revisions, and will comply with all conditions presented to Trans Mountain.	Application Volume 5A, 7-128.	Prior to Operations	Superseded by NEB Condition	72,78,81	

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70	Environment	NEB	To avoid or reduce effects of a drilling mud release on surface water quality, Trans Mountain will continually monitor for sediment release (i.e., turbidity and total suspended solids [TSS]) throughout the crossing construction period. In the event of a release into a watercourse, Trans Mountain will immediately suspend drilling activities and implement measures outlined in the Drilling Mud Release Contingency Plan to reduce effects of drilling mud release into the watercourse. Any releases would be reported to Fisheries and Oceans Canada (DFO) and Alberta Environment and Sustainable Resource Development (AESRD) or BC Ministry of Environment (MOE) and clean up and monitoring will be carried out until water quality is returned to existing (background) conditions.	Application Volume 5A, 7-70.	During Construction	Superseded by NEB Condition	72	
73	Environment	NEB	Trans Mountain will consult with and inform landowners of the potential to be affected by emissions from construction activities prior to commencement of these activities in proximity to the respective landowners.	Application Volume 5A, 7-89	Prior to Construction	Superseded by NEB Condition	72	
75	Environment	Peters Band	Before construction, Trans Mountain will collect baseline water quality data from existing water supply wells in areas of the reserve that are identified as having potential for contaminated soils. The wells will be resampled after trenching and when construction in the area has been completed. Sampling data will be compared to the baseline conditions.	Peters_Band_IR_No._2(b).2.5(b)	Prior to Construction	Superseded by NEB Condition	46, 72	
86	Environment	City of Burnaby	Clearing operations for pipeline in the City of Burnaby will not entail any burning activities. Clearing activities for Burnaby will follow non-burning protocols as outlined in Section 8 of the Environmental Protection Plan (EPP), Volume 6B.	City_Burnaby_IR_No._1.33.27c	Prior to Construction	Superseded by NEB Condition	72	
100	Environment	Adams Lake Indian Band	Prior to construction, a vegetation survey will be conducted to identify if any species that require special consideration before, during and after construction are present along the construction right-of-way. If warranted, detailed vegetation (including rare plants) assessments will be completed at sites where reclamation problems are identified in the Environmental Issues List.	ALIB_F-IR_No._1.4.5c	Prior to Construction	Superseded by NEB Condition	40, 42, 45	
113	Environment	Adams Lake Indian Band; Neskonlith Indian Band	Trans Mountain plans to hire qualified Aboriginal monitors for Environmental monitoring and inspection jobs during the construction of the Project.	ALIB_IR_No._1.6.04, Neskonlith_IB_IR_No. 1.II.2e	During Construction	Superseded by NEB Condition	98	
128	Environment	Sto:lo Collective	Trans Mountain will discuss the opportunity for Sto:lo participation in pre-construction weed surveys.	Sto:lo Collective Recommendation #35	Prior to Construction	No Longer Applicable		Weed surveys were not conducted (Westridge Marine Terminal, Spread 6, Spread 7) in 2016 or 2017. (Because of the data already collected in previous vegetation surveys, separate weed surveys were not required).
156	Environment	City of Burnaby	Trans Mountain will review the status of the current storm water discharge permit for Westridge Marine Terminal with the BC Ministry of Environment to determine if the existing permit will remain in effect, if the existing permit will require an amendment, or if a new permit will be required.	City_Burnaby_IR_No._1.20.02a	Prior to Construction	Complete		
175	Environment	Metro Vancouver	Trans Mountain will engage with Metro Vancouver regarding their request for stack testing and dispersion modelling when engineering plans are further advanced.	Metro_Vancouver_IR_No._1.1.6.03g	Prior to Construction	Complete		
177	Environment	Province of British Columbia	Trans Mountain plans to identify all water wells within the Project Footprint prior to construction.	Province_BC_IR_No._1.1.38c	Prior to Construction	Superseded by NEB Condition	93	

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195	Environment	NEB	A master watercourse crossing table will be created by combining the Fish Habitat list and the Hydrology list to ensure that all watercourses have been captured and accounted for and submitted as part of Technical Update No. 3 on September 4, 2014.	NEB_IR_No._2.101e (Filing ID A3Z4T9), NEB_F-IR_No._2.101e (Filing ID A4A7Y8), NEB_F-IR_No._2.101e-Attachment 1 (A4A7Y9)	Prior to Construction	Superseded by NEB Condition	43	
196	Environment	Sto:lo Collective	Trans Mountain will discuss the opportunity for Sto:lo participation in pre-construction weed surveys.	Sto:lo Collective Recommendation #35	Project Lifecycle	No Longer Applicable		Weed surveys were not conducted (Westridge Marine Terminal, Spread 6, Spread 7) in 2016 or 2017. (Because of the data already collected in previous vegetation surveys, separate weed surveys were not required).
224	Environment	Sto:lo Collective	Trans Mountain will continue to engage Stó:lō representatives through all phases of the Project. Vegetation monitoring is part of the Post Construction Environmental Monitoring (PCEM) program and vegetation re-establishment will be compared to a similar reference plant community located adjacent to, or within, the vicinity of the construction right-of-way and pre-construction conditions. Discuss the opportunity for Stó:lō participation and input into the planned monitoring scheduled .	Sto:lo Collective Recommendation #38, 39	During Operations	In Progress		
234	Environment	Sto:lo Collective	Trans Mountain will continue to engage Stó:lō representatives through all phases of the Project. Vegetation monitoring is part of the Post Construction Environmental Monitoring (PCEM) program and vegetation re-establishment will be compared to a similar reference plant community located adjacent to, or within, the vicinity of the construction right-of-way and pre-construction conditions. Discuss the opportunity for Stó:lō participation and input into the planned monitoring scheduled .	Sto:lo Collective Recommendation #38, 39	During Operations	In Progress		
259	Environment	Adams Lake Indian Band	Trans Mountain will prepare a spotted owl mitigation plan for the Project, following the guidelines and recommendations provided by BC Ministry of Forests, Lands and Natural Resource Operations (MFLNRO), which have been applied on previous development projects (refer to NEB IR No. 1.46a and c). Trans Mountain will ensure consultation with BC MFLNRO and Environment Canada regarding field survey and mitigation planning for Williamson's sapsucker and Lewis's woodpecker critical habitat continues over the planning phase of the Project to develop appropriate mitigation that meets regulatory expectations and conservation objectives.	ALIB_IR_No._1.5.5, NEB_IR_No._1.46c	Prior to Construction	Superseded by NEB Condition	38	
260	Environment	Adams Lake Indian Band	As part of the Post-Construction Environmental Monitoring (PCEM) program, Trans Mountain will monitor the success of access control measures implemented along segments of the construction right-of-way by visually assessing evidence of human access.	ALIB_IR_No._1.5.7e	During Operations	Superseded by NEB Condition	47	
261	Environment	Adams Lake Indian Band	In areas where natural recovery is unsuccessful, remedial measures will be implemented and may include but not be limited to: soil stability or erosion control measures, seeding areas using an approved native seed mix, planting tree and/or shrubs, or additional access control measures to assist in vegetation establishment, survival and growth.	ALIB_F-IR_No._1.5.6a	Project Lifecycle	Superseded by NEB Condition	151	
265	Environment	Adams Lake Indian Band	Measurable targets will be developed as part of the Post Construction Environmental Monitoring (PCEM) program, by which the success of mitigation measures can be measured and the need for adaptive measures identified.	ALIB_IR_No._1.5.2a,c, ALIB_IR_No._1.6.2a,b	During Operations	Superseded by NEB Condition	151	

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266	Environment	Adams Lake Indian Band	Should the potential for serious harm to fish that are part of, or support, a commercial, recreational, or Aboriginal (CRA) fishery unless authorized by the Department of Fisheries and Oceans Canada (DFO) be confirmed either during the self-assessment or upon National Energy Board (NEB) or DFO review, Trans Mountain will develop an appropriate Conceptual Fish Offset Plan (Offset Plan).	ALIB_IR_No._1.3.21	Prior to Construction	Superseded by NEB Condition	110	
267	Environment	Adams Lake Indian Band	Trans Mountain commits to developing and implementing a mitigation strategy for potentially affected grizzly bear populations that have an elevated conservation status. This grizzly bear mitigation strategy will include objectives consistent with current regulatory guidelines and will be developed in consultation with the appropriate regulatory authorities.	ALIB_IR_No._1.5.7d	Prior to Construction	Superseded by NEB Condition	56	
268	Environment	Adams Lake Indian Band	Where required under the Canadian Environmental Assessment Act, 2012 and the National Energy Board Filing Manual, follow-up programs will be developed to compare predicted effects of the Trans Mountain Expansion Project to post-construction conditions.	ALIB_IR_No._1.6.09b	During Operations	Superseded by NEB Condition	151	
269	Environment	Adams Lake Indian Band; Kwantlen First Nation; Township of Langley	Wherever feasible, watercourse crossing construction activities will be timed to occur within the least risk biological windows to avoid causing serious harm to fishes and remain in compliance with the Fisheries Act.	ALIB_IR_No._1.3.13a, ALIB_IR_No._1.3.24b,  Kwantlen_FN_IR_No._1.05.3, Langley_IR_No._1.01b	Prior to Construction	Superseded by NEB Condition	43, 72	
270	Environment	Angelika Hackett; NEB	Trans Mountain commits to common energy pipeline industry practices to minimize direct greenhouse gas emissions during construction and operation of the pipeline.	Hackett_A_IR_No._1.2.1b, NEB_IR_No._2.019b, NEB_IR_No._1.32, NEB_IR_No._1.31, NEB_IR_No._1.33b	Project Lifecycle	Superseded by NEB Condition	52, 53, 54, 55, 72, 79, 85	
271	Environment	Asini Wachi Nehiyawak Traditional Band	Trans Mountain will notify all relevant aboriginal groups regarding the development of the post construction monitoring Plan for reactivation activities.	AWNTB_IR_No._1.05.1b	During Operations	Superseded by NEB Condition	151	
272	Environment	Sto:lo Collective	Trans Mountain welcomes the opportunity to discuss the establishment of infrastructure and capacity for Sto:lo to implement on-going processes of air and water quality monitoring.	Sto:lo Collective Recommendation #53	Prior to Construction	Superseded by NEB Condition	98	
273	Environment	BC Nature and Nature Canada	Trans Mountain will provide an update on routing in Surrey Bend Regional Park, Colony Farms and Brunette River Greenway in Technical Update No. 1, to be submitted to the NEB in Q3 2014. The update will include additional information and a map of the proposed and alternative corridors being considered.	BC_Nature_Nature_Cda_IR_No._1.16a	Prior to Construction	Superseded by NEB Condition	7	
274	Environment	City of Burnaby; BC Nature and Nature Canada	Trans Mountain is supportive of a collaborative approach to long-term monitoring for marine birds and will endeavour to meet with Environment Canada (EC) to discuss the potential for development of a long-term monitoring program as a partnership with others.	BC_Nature_Nature_Cda_IR_No._1.12b, City_Burnaby_IR_No._1.27.07c	During Construction	Scoping		
277	Environment	BC Parks; NEB	All access roads and trails would be reclaimed or deactivated and revegetated in consultation with BC Parks and other stakeholders.	BC Parks boundary adjustment application (August 2014)	During Construction	Superseded by Management Plan		
279	Environment	BC Parks; NEB	At pre-determined locations where vegetation is disturbed by construction, the use of plant transplants may be considered. Options for woody species revegetation include installation of nursery grown plant plugs, installation of locally sourced dormant woody species transplants, and seeding of native grass.	BC Parks boundary adjustment application (August 2014)	During Construction	Superseded by NEB Condition	72	

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280	Environment	BC Parks; NEB	During construction, Trans Mountain will ensure that all equipment arriving on site is clean and free of soils and plant materials. Where areas of concern for invasive plant species are identified, machine clean-off stations will be installed to mitigate for the potential for the spread of weeds.	BC Parks boundary adjustment application (August 2014)	Prior to Construction	Superseded by NEB Condition	72	
284	Environment	BC Parks; NEB	Seed mixes will be developed in consultation with the BC Parks conservation specialist and will consist of species native to the park.	BC Parks boundary adjustment application (August 2014)	Prior to Construction	Superseded by NEB Condition	72	
285	Environment	BC Parks; NEB	Temporary fencing that will protect newly seeded and planted areas from livestock grazing or unauthorized access may be necessary at some sites in the Project Footprint. The need, type and extent of the fencing will be determined in consultation with the land owner or land manager.	BC Parks boundary adjustment application (August 2014)	During Construction	Superseded by NEB Condition	72	
286	Environment	John Black	Trans Mountain will conduct a wildlife survey at the Burnaby Terminal prior to clearing and construction activities.	Black_J_IR_No._1.2.1a	During Construction	Superseded by NEB Condition	78	
287	Environment	Burnaby Residents Opposing Kinder Morgan Expansion - BROKE; City of Burnaby; Tsleil-Waututh Nation	Trans Mountain has committed to filing the detailed human health risk assessment with the National Energy Board on June 16, 2014.	BROKE_IR_No._1.7e, BROKE_IR_No._1.3c, City_Burnaby_IR_No._1.01.09d, Tsleil-Waututh_Nation_IR_No._1.4.2b	Prior to Construction	Complete		
288	Environment	Canadian Parks and Wilderness Society - BC Chapter	An affected area analysis for Old Growth Management Areas (OGMAs) has been completed and will be updated when the construction right-of-way is finalized. Trans Mountain is working with the BC Ministry of Forests, Lands and Natural Resource Operations to complete OGMA mitigation commitments.	CPAWS_IR_No._1.2.1	Prior to Construction	Superseded by NEB Condition	76	
289	Environment	Canadian Parks and Wilderness Society - BC Chapter; New Democratic Party of Canada; NEB	Trans Mountain will file the spotted owl mitigation plan with the NEB 6 months prior to commencing construction in Wildlife Habitat Areas.	NEB_IR_No._1.46c, CPAWS_IR_No._1.2.4, NDP_IR_No._1.1.8f	Prior to Construction	Superseded by NEB Condition	38	
290	Environment	Canadian Parks and Wilderness Society - BC Chapter; New Democratic Party of Canada; NEB	Trans Mountain will provide an update on consultation related to the mitigation strategy for the North Cascades Grizzly Bear Population Unit with the filing of NEB IR Round 2 responses in Q3 2014.	NEB_IR_No._1.47c, CPAWS_IR_No._1.2.4, NDP_IR_No._1.1.8f	Prior to Construction	Superseded by NEB Condition	56	
291	Environment	Canadian Parks and Wilderness Society - BC Chapter; New Democratic Party of Canada; NEB	Trans Mountain will provide details of mitigation strategies for Lewis's woodpecker and Williamson's sapsucker in NEB IR Round 2 responses in Q3 2014.	NEB_IR_No._1.45c, CPAWS_IR_No._1.2.4, NDP_IR_No._1.1.8f	Prior to Construction	Superseded by NEB Condition	44	
292	Environment	Canadian Parks and Wilderness Society - BC Chapter; New Democratic Party of Canada; NEB	Trans Mountain will provide results of meeting with Environment Canada (EC) and BC Ministry of Forests, Lands and Natural Resource Operations (MFLNRO) related to Lewis's woodpecker and Williamson's sapsucker during NEB IR Round 2.	CPAWS_IR_No._1.2.4, NEB_IR_No._1.45b, NDP_IR_No._1.1.8f	Prior to Construction	Complete		



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293	Environment	Canadian Parks and Wilderness Society - BC Chapter; New Democratic Party of Canada; NEB	Trans Mountain will provide results of meeting with Environment Canada (EC) during NEB IR Round 2.	NEB_IR_No._1.44c and d	Prior to Construction	Superseded by NEB Condition	40, 44	
294	Environment	Canadian Parks and Wilderness Society - BC Chapter; New Democratic Party of Canada; NEB	Trans Mountain will update the Project Pipeline Environmental Protection Plan with additional site-specific mitigation measures for watercourses identified as critical Nooksack dace habitat, to be filed at least 90 days prior to construction.	CPAWS_IR_No._1.2.4, NEB_IR_No._1.52d, NEB_IR_No._1.52e, NDP_IR_No._1.1.8f	Prior to Construction	Superseded by NEB Condition	75	
295	Environment	Catherine Jensen; Canadian Parks and Wilderness Society - BC Chapter; City of Coquitlam; Pro Information Pro Environment United People Network; Neskonlith Indian Band; New Democratic Party of Canada; NEB	If the results of the Stage 2 watercourse assessment change any of the conclusions presented in the Environmental and Socio-Economic Assessment (Volume 5A of the Application), Trans Mountain will submit an update to the NEB in Q4 2014.	CPAWS_IR_No._1.2.4, NEB_IR_No._1.52a, NEB_IR_No._1.52b, NEB_IR_No._1.52c, NEB_IR_No._1.52d, NEB_IR_No._1.52e, NEB_IR_No._1.53a, NEB_IR_No._1.53b, NEB_IR_No._1.53c, NEB_IR_No._1.53d, NEB_IR_No._1.53e, NEB_IR_No._1.53f, NEB_IR_No._1.53g, NEB_IR_No._1.53h, NEB_IR_No._1.53i	Prior to Construction	Complete		
296	Environment	City of Abbotsford	Abbotsford – Sumas Aquifer will be assessed as a high consequence area.	Technical Update No. 1 and Consultation Update No. 2 - Part 5 Update Stakeholder Engagement Part 01. Table 1.6.3-1	Prior to Construction	Complete		
297	Environment	City of Abbotsford; NEB	Vedder Aquifer will be assessed as a high consequence area.	Technical Update No. 1 and Consultation Update No. 2 - Part 5 Update Stakeholder Engagement Part 01. Table 1.6.3-1	Prior to Construction	Complete		
298	Environment	City of Burnaby	A Post-Construction Environmental Monitoring program will be conducted following construction to monitor any potential effects of the activities on adjacent vegetation.	City_Burnaby_IR_No._1.38.02b	During Operations	Superseded by NEB Condition	151	
299	Environment	City of Burnaby	An Environmental Inspector will be on-site during dredging activities to monitor the effectiveness of mitigation measures.	City_Burnaby_IR_No._1.32.02b	Prior to Construction	Superseded by NEB Condition	81	

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301	Environment	City of Burnaby	Trans Mountain is completing additional dispersion modelling to inform engineering design related to terminal operations during product loading and unloading. This information will be provided in the Technical Update No. 1 in Q3 2014.	City_Burnaby_IR_No._1.28.02a, City_Burnaby_IR_No._1.28.03a, FVRD_IR_No._1.02a, FVRD_IR_No._1.09a, GoC_EC_IR_No._1.063, GoC_EC_IR_No._1.096c, GoC_EC_IR_No._1.103a, Living_Oceans_IR_No._1.21a, Living_Oceans_IR_No._1.58b, Metro_Vancouver_IR_No._1.1.6.01b, Metro_Vancouver_IR_No._1.1.6.02a, Metro_Vancouver_IR_No._1.1.6.03a, Metro_Vancouver_IR_No._1.1.6.03b, Metro_Vancouver_IR_No._1.1.6.03h	Prior to Construction	Complete		
302	Environment	City of Burnaby	Trans Mountain will add a statement to the Environmental protection plans for the Pipeline, Facilities and Westridge Marine Terminal components of the Trans Mountain Expansion Project that it will continue to work with local municipalities to develop weed control plans that will be required for the Project.	City_Burnaby_IR_No._1.20.04b	Prior to Construction	Superseded by NEB Condition	45, 72, 78, 81	
303	Environment	City of Burnaby	Trans Mountain will adopt all mitigation measures recommended in Technical Report 5C-3 of Volume 5C, Terrestrial Noise and Vibration Technical Report (RWDI December 2013).	City_Burnaby_IR_No._1.27.02a	During Construction	Superseded by NEB Condition	74, 80, 86, 141	
304	Environment	City of Burnaby	Trans Mountain will commit to supplying Living Oceans with the hourly meteorological data that has been collected since the commissioning of the Automated Monitoring System (SAM) units at the Burnaby Terminal by August 15th, 2014.	City Burnaby Attachment - Table 1.04.14h	Prior to Construction	Complete		

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305	Environment	City of Burnaby	Trans Mountain will prepare an Air Emissions Management Plan for the Westridge Marine Terminal as per NEB Draft Condition No. 19 (August 2015) which will involve installing a new ambient air quality monitoring station.	City_Burnaby_IR_No._1.04.14h, City_Burnaby_IR_No._1.28.01c, City_Burnaby_IR_No._1.03.07f, City_Burnaby_IR_No._2.085, City_Burnaby_IR_No._2.086, NEB_IR_No._1.35a, DNV_IR_No._1.5.03d, Metro_Vancouver_IR_No._1.1.6.03i, FVRD_IR_No._2.19	Prior to Construction	Superseded by NEB Condition	52	
306	Environment	Sto:lo Collective	Trans Mountain welcomes the opportunity to discuss the establishment of infrastructure and capacity for Sto:lo to implement on-going processes of air and water quality monitoring.	Sto:lo Collective Recommendation #53	Project Lifecycle	Superseded by NEB Condition	98	
309	Environment	District of North Vancouver	Trans Mountain will install a new ambient air quality monitoring station at the Westridge Marine Terminal as per NEB Draft Condition No. 21 (April 2014).	District_of_North_Vancouver_IR_No._1.5.03d	Prior to Construction	Superseded by NEB Condition	52	
310	Environment	Environment Canada	Trans Mountain proposes to meet with Environment Canada (EC) and the other intervenors involved in the Lower Fraser Valley Air Quality group who are interested, in Q3 2014 to clarify assumptions and methodology for an updated marine air quality/greenhouse gas assessment using the Marine Emission Inventory Tool (MEIT) to be conducted in 2015. (IR: EC requests that the Proponent re-evaluate the Base Case with berth and anchorage emissions included.)	Environment Canada Attachment - Table 1.058	Prior to Construction	Complete		
311	Environment	Environment Canada; Metro Vancouver	Trans Mountain recognizes that updating the photochemical modeling using the updated Marine Emission Inventory Tool (MEIT) would be valuable to Environment Canada (EC), Metro Vancouver (MV) and Fraser Valley Regional District (FVRD) and commits to undertaking a similar modeling effort but using the updated MEIT when it is available. This update using the Community Multi-Scale Air Quality model would not include all of the additional scenarios (i.e., another ozone episode, typical ozone episode under other meteorological conditions, seasonal and annual time periods) jointly requested by EC, MV and FVRD.	Environment Canada- Attachment - Table 1.076a)	Prior to Construction	Complete		Report filed as attachment as part of Reply Evidence in August 2015.
312	Environment	Fraser Valley Regional District	Trans Mountain commits to complying with Metro Vancouver's Non-Road Diesel Engine Emission Regulation while operating in the Fraser Valley Regional District.	Fraser Valley Regional District Attachment - Table 1.04(c)	During Construction	Scoping		
313	Environment	Fraser Valley Regional District	Trans Mountain is committed to conducting water quality monitoring during construction.	FVRD_IR_No._1.27b	During Construction	Superseded by NEB Condition	72	
314	Environment	Fraser Valley Watersheds Coalition	In the event an amphibian salvage is needed, a specific plan will be developed for that location. Conditions of the amphibian salvage permit will be adhered to.	FWVC_IR_No._1.2.4	During Construction	Superseded by NEB Condition	72	

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315	Environment	Environment Canada; NEB	If a wetland is determined to not be on the trajectory to returning to pre-construction functional condition at the end of the Wetland Function Post-construction Monitoring Program (i.e., post-construction functional condition category is less than the pre-construction category), Trans Mountain will discuss the next steps with the NEB and Environment Canada (EC) to achieve the goal of “no net loss” of wetland function.	NEB_IR_No._2.051b, GoC_EC_IR_No._2.051	Prior to Construction	Superseded by NEB Condition	41	
316	Environment	Environment Canada	Trans Mountain is committed to working with provincial regulatory agencies, tenure holders, Aboriginal communities and other stakeholders to identify opportunities to address potential residual Project effects on southern mountain caribou habitat.	EC P-IR_No._1.16	Prior to Construction	Superseded by NEB Condition	37	
318	Environment	Environment Canada	Trans Mountain will meet with Environment Canada (EC) in April 2014 to discuss a collaborative, industry-wide approach to the development of a long-term monitoring program for marine birds.	EC P-IR_No._1.19	Prior to Construction	Complete		
319	Environment	Environment Canada	If dredging is required, detailed sampling will be conducted in portions of the dredge area not already sampled to characterize sediment chemistry. Evaluation of disposal methods and re-use options will be conducted when data are available for the proposed dredge volume, and the chemical and physical characteristics of sediment in the dredge area are known.	GoC_EC_IR_No._1.020	Prior to Construction	No Longer Applicable		Dredging is no longer required.
320	Environment	Environment Canada	Trans Mountain will ensure Peacock vinyl lichen ( <i>Leptogium polycarpum</i> ) is included in Table B3 which lists potential rare plant and lichen species for the BC component of the proposed project.	GoC_EC_IR_No._1.048	Prior to Construction	Complete		
321	Environment	Environment Canada	Trans Mountain will continue to consult with Environment Canada (EC) regarding recommendations and site-specific mitigation for Species at Risk Act (SARA) listed vegetation species that exist along the Project footprint.	GoC_EC_IR_No._1.046	Prior to Construction	Superseded by NEB Condition	40	
322	Environment	Environment Canada	Where conflicts in mitigation measures such as timing windows may arise, Trans Mountain will consult with the appropriate provincial regulatory agencies to determine practical and effective mitigation.	GoC_EC_IR_No._1.054	Prior to Construction	Superseded by NEB Condition	37, 38, 44, 56	
323	Environment	Natural Resources Canada	Environmental Inspectors will log the locations of highly vulnerable aquifers where mitigation measures are needed. These locations will be documented in the Construction As-Built report.	GoC_NRCan_IR_No._1.04.1	During Construction	Superseded by Management Plan		
324	Environment	Natural Resources Canada	In the event that highly decayed logs with suitability to provide wildlife habitat are encountered, they will be set aside during construction and then replaced onto the right-of-way during final clean-up, where possible.	GoC_NRCan_IR_No._1.06.0	Prior to Construction	Superseded by NEB Condition	44	
325	Environment	Natural Resources Canada	Visual monitoring of sea conditions will occur throughout the day when dredging is in progress, combined with frequent inspections of turbidity curtains.	GoC_NRCan_IR_No._1.01.3c	During Construction	Superseded by NEB Condition	35	
326	Environment	Parks Canada Agency	The restoration program for works conducted within Jasper National Park that cause disturbance to soil and vegetation will be based on classifications according to the soil and vegetation types as described in the Ecological Land Classification system for Jasper National Park.	GoC_Parks_IR_No._1.2.3	Prior to Construction	Superseded by Management Plan		
327	Environment	Parks Canada Agency	Trans Mountain is committed to monitor specific issues beyond the five years in Jasper National Parks if Environmental issues warrant. Trans Mountain is committed to the standards outlined in the Line Leaseholders Working Group.	GoC_Parks_IR_No._1.2.7	Project Lifecycle	Complete		

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328	Environment	Parks Canada Agency	Trans Mountain is committed to the Management Objective / Desired End Result with respect to Heritage Resources for reactivation activities in Jasper National Park.	GoC_Parks_IR_No._1.3.3	Prior to Construction	Superseded by Management Plan		
329	Environment	Parks Canada Agency	Trans Mountain is committed to working with the Parks Canada Agency in developing a set of Management Objectives / Desired End Results that addresses commemorative integrity for the proposed reactivation activities on the Trans Mountain Expansion Project.	GoC_Parks_IR_No._1.3.1	Prior to Construction	Superseded by Management Plan		
330	Environment	Metro Vancouver	Trans Mountain commits to meet with Metro Vancouver to discuss the methodology and results related to meeting applicable ambient air quality objectives.	Metro Vancouver Attachment - Table 1.1.6.04b	Prior to Construction	Complete		
331	Environment	Metro Vancouver	Trans Mountain will install a new ambient monitoring station at the Westridge Marine Terminal in 2015 to meet the requirements of NEB Draft Condition 21 (April 2014) which requires the methods and schedule for ambient monitoring of contaminants of potential concern in air including particulate matter, carbon monoxide, nitrogen dioxide, sulphur dioxide, hydrogen sulphide and volatile organic compounds.	Metro_Vancouver_IR_No._1.1.6.03i	Prior to Construction	Superseded by NEB Condition	52	
332	Environment	Sto:lo Collective	Trans Mountain welcomes the opportunity to discuss infrastructure and capacity for Sto:lo heritage resource management technical involvement as construction monitors, to ensure protection of sites, and to ensure Sto:lo practices are maintained.	Sto:lo Collective Recommendation #54	Prior to Construction	Superseded by NEB Condition	98	
333	Environment	Township of Langley	Trans Mountain will ensure that all construction equipment is free of invasive species seeds or debris when it arrives on the construction right-of-way. General pipeline construction mitigation measures regarding weeds and vegetative debris that may be applicable to the pipeline throughout all phases of construction are outlined in the Application, Section 7.0 of the Pipeline Environmental Protection Plan (Volume 6B) as well as the Weed and Vegetation Management Plan (Section 14.0 of Appendix C of Volume 6B). These mitigation measures will be implemented, as warranted, by Trans Mountain, its Contractors and subcontractors prior to and during construction.	Langley_IR_No._1.09c	Prior to Construction	Superseded by NEB Condition	45, 72	
334	Environment	Tsartlip First Nation	Archaeological heritage resource information received from participating communities will be reviewed in order to confirm mitigation measures including those found in the Environmental Protection Plans (Volume 6B, 6C and 6D).	Tsartlip_FN_IR_No._1.2.7.1	Prior to Construction	Superseded by NEB Condition	72, 78, 81, 100	
335	Environment	Upper Nicola Band	An Avian Protection Plan will be prepared for the Project that will provide more detail on the potential effects and proposed mitigation measures.	Upper Nicola Band - Attachment - Table 1.16f	Prior to Construction	No Longer Applicable		Commitment is no longer applicable, superseded by NEB Ruling No. 33.
336	Environment	Upper Nicola Band	Trans Mountain will develop an Avian Protection Plan using information and best practices outlined by the Avian Power Line Interaction Committee (2006, 2012).	Upper_Nicola_Band_IR_No._1.16j	Prior to Construction	No Longer Applicable		Commitment is no longer applicable, superseded by NEB Ruling No. 33.
337	Environment	Vancouver Fraser Port Authority DBA Port Metro Vancouver	Trans Mountain will complete post-construction noise monitoring at the Westridge Marine Terminal as per NEB Draft Condition No. 57 (April 2014) relating to post-construction noise surveys at select terminals.	PMV_IR_No._1.3.2, Cameron_School_Parents_IR_No._1.2.2a, PMV_IR_No._1.3.2, Miller_IR_No._2.03b	During Operations	Superseded by NEB Condition	80	
338	Environment	NEB	An estimation of old growth areas impacted by the Project will be provided in the first half of 2015 once the construction right-of-way and footprint is further delineated.	NEB_IR_No._2.053e	Prior to Construction	Superseded by NEB Condition	76	

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339	Environment	NEB	Appendix M of the Pipeline Environmental Protection Plan will be updated 90 days prior to commencing construction.	NEB_IR_No._1.18e, NEB_IR_No._1.18d	Prior to Construction	Superseded by NEB Condition	72	
340	Environment	NEB	Appropriate mitigation (e.g., scheduling to avoid periods when birds congregate, protective buffers) will be implemented to reduce the potential Project effects on migratory birds.	Technical Update No. 1 and Consultation Update No. 2 Part 5, Part 01, Table 1.6.3-1	During Construction	Superseded by NEB Condition	72, 78, 81	
341	Environment	NEB	Appropriate mitigation (e.g., soil handling, erosion control) and monitoring activities will be implemented during construction to maximize reclamation success. Project-generated garbage or debris will be removed regularly from along the construction right-of-way and facility sites. After the pipeline trench has been backfilled, and once weather and soil conditions permit, cleanup and reclamation activities will start along the disturbed portions of the pipeline right-of-way. This will be done using bulldozers, backhoes, graders and farm equipment, where required. The topsoil or stripping will be replaced, and cross ditches and diversion berms will be installed on moderate and steep slopes to reduce the risk of erosion.	Pre-Application Project Description, p 21.	During Construction	Superseded by NEB Condition	72, 78, 81	
342	Environment	NEB	As part of Trans Mountain's commitment to Environmental protection, Trans Mountain will minimize potential adverse impacts to wetlands by repairing any erosion control or restoration features until permanent revegetation is successful.	Technical Update No. 1 & Consultation Update No. 2 - Part 2 Table 1.6.2-1	During Operations	Superseded by NEB Condition	41	
343	Environment	City of Burnaby; NEB	As with all of its construction Projects, Trans Mountain will reclaim any areas that are affected by the Project. Trans Mountain is committed to reclamation of the pipeline right-of-way and surrounding areas following construction.	Application Volume 5B, 3-64; NEB_Route_Hearing_TMEP_Evidence_Seg_7_Burnaby; NEB_Route_Hearing_Transcript_Seg_7_Vol_2	During Operations	Superseded by Management Plan		
344	Environment	NEB	Details of mitigation strategies for Pacific water shrew will be provided with the filing of NEB IR Round 2 responses in Q3 2014.	NEB_IR_No._1.44c	Prior to Construction	Superseded by NEB Condition	44	
345	Environment	NEB	Due to the existing cumulative effects risk for grizzly bear and management guidance to avoid further effects, Trans Mountain will implement mitigation measures to minimize effects on this species (see response to NEB IR No. 1.47 [Filing ID A3W9H8]).	NEB_F-IR_No._2.034b, NEB_IR_No._2.034b	Prior to Construction	Superseded by NEB Condition	56, 72	
347	Environment	NEB	For acoustic environment, the monitoring results will be filed with the NEB within 6 months of conducting the initial measurements. Measurement programs will be scheduled within the first 6 months of normal operations, but will be weather and activity dependent.	NEB_IR_No._2.067e	During Operations	Superseded by NEB Condition	141	
348	Environment	NEB	In the event the schedule changes and clearing activities are planned during the migratory bird restricted activity period, a migratory bird nest sweep will be conducted. In the event an active nest is found, a protective buffer will be established around the nest. The size of the buffer will be influenced by the status of the bird. Typically a 30 m buffer is applied to a songbird nest and a 100 m buffer around waterfowl or raptor nests.	Technical Update No. 1 and Consultation Update No. 2 - Part 5, Part 01 Table 1.6.2-1	Prior to Construction	Superseded by NEB Condition	72, 78, 81	
350	Environment	NEB	The need and methods for a bear den sweep will be discussed with the appropriate regulatory agency in the event construction activity is scheduled to coincide with the period when bears are denning and habitat suitability for denning is high.	NEB_IR_No._2.037b	During Construction	Superseded by NEB Condition	72,56	

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351	Environment	NEB	To meet Environmental commitments and permit requirements during Project activities, Trans Mountain will implement an Environmental inspection and monitoring program that includes management oversight, on-site Environmental inspection, various available Environmental training programs for all on-site personnel and access to other Environmental resources (e.g., wildlife biologists, water quality monitors) on an as needed basis.	Application Volume 6A, 3-1.	Project Lifecycle	Superseded by NEB Condition	72, 78, 81	
352	Environment	NEB	To protect riparian habitat and watersheds, crossings of wetlands and watercourses will be planned during suitable ground and weather conditions, with the consideration for sensitive fish and wildlife timing windows.	Technical Update No. 1 and Consultation Update No. 2 - Part 2 Table 1.6.3-1	During Construction	Superseded by NEB Condition	71,72,43	
353	Environment	Sto:lo Collective	Trans Mountain welcomes the opportunity to discuss infrastructure and capacity for Sto:lo heritage resource management technical involvement as construction monitors, to ensure protection of sites, and to ensure Sto:lo practices are maintained.	Sto:lo Collective Recommendation #54	Project Lifecycle	Superseded by NEB Condition	98	
354	Environment	NEB	Pending project approval, Trans Mountain is committed to consider a conservation offset program for the entire Project that results in a net benefit. TMEP is committed to exceed minimum standards in areas with acknowledged biodiversity values.	NEB_IR_No._2.042c	Prior to Construction	Superseded by NEB Condition	40, 41, 42, 56, 128, 142, 154, 155, 156, 157	
355	Environment	NEB	Trans Mountain is committed to best practices in reclamation, always striving for opportunities leading to advancement. As with all of its construction projects, Trans Mountain will reclaim any areas that are affected by the Project. Trans Mountain is committed to full reclamation of the pipeline right-of-way and surrounding areas following construction.	Technical Update No. 1 and Consultation Update No. 2 - Part 2 Table 1.6.3-1	Project Lifecycle	Superseded by NEB Condition	72	
356	Environment	Sto:lo Collective	During the construction phase, Trans Mountain will discuss any unanticipated adverse effects on Sto:lo businesses related to the construction of the Project during the mutually agreed to on-going engagement between Sto:lo and Trans Mountain. Additional mitigation will be developed, as required, if and as such adverse effects are identified.	Sto:lo Collective Recommendation #71	During Construction	Superseded by NEB Condition	13	
357	Environment	NEB	Trans Mountain will conduct a Post Construction Environmental Monitoring (PCEM) program during a period up to the first five complete growing seasons (or during years one, three and five) following commissioning of the Project and as a consequence of conditions that may be attached to the Certificate of Public Convenience and Necessity (CPCN).	Application Volume 1, section 3.1.3.	During Operations	Superseded by NEB Condition	151	
358	Environment	NEB	Trans Mountain will consult with Fisheries and Oceans Canada (DFO) to determine whether the Pacific Salmon Foundation multi-year comprehensive 'Salish Sea Marine Survival Project' initiative can also be considered to be a scientifically defensible and useful recovery measure for resident killer whales by restoring an adequate and accessible food supply.	NEB_IR_No._1.56	Prior to Construction	Superseded by NEB Condition	132	
359	Environment	NEB	Trans Mountain will develop and implement an Environmental education program to ensure that all individuals involved in the construction of the Project understand the Environmental requirements of the Project and their role and responsibilities with regard to meeting those requirements.	Application Volume 6A, 6-1.	During Construction	Superseded by NEB Condition	72, 78, 81	
360	Environment	NEB	Trans Mountain will file Mitigation Plans for Lewis's woodpecker and Williamson's sapsucker with the NEB at least 4 months prior to commencing construction.	NEB_F-IR_No._1.45c	Prior to Construction	Superseded by NEB Condition	44	

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361	Environment	NEB	Trans Mountain will file Mitigation Plans for Townsend's mole and Pacific giant salamander with the NEB at least 4 months prior to commencing construction.	NEB_F-IR_No._1.44d	Prior to Construction	Superseded by NEB Condition	44	
362	Environment	NEB	Trans Mountain will implement a monitoring program to determine the effectiveness of the erosion and sediment control mitigation measures during construction in preventing terrestrial sediment loading into the marine environment.	Application Volume 5A, 7-407.	During Construction	Superseded by NEB Condition	81	
363	Environment	NEB	Trans Mountain will implement recommendations from Alberta Culture and will provide the NEB with a copy of the Historical Resources Act clearance letter as per the approval conditions. Trans Mountain will also implement recommendations from BC Archaeology Branch and will provide the NEB with a copy of the Heritage Conservation Act acceptance letter as per the approval conditions.	Application Volume 5B, Section 7.2.1.3, page 7-10	Prior to Construction	Superseded by NEB Condition	100	
365	Environment	NEB	Trans Mountain will provide advance notification to regulatory authorities responsible for fish and wildlife management with final routing information, including maps, as well as construction schedule information, so they can communicate this information broadly in wildlife and fur management areas. Trans Mountain will also directly notify affected tenure holders so they can select alternate areas for their activities.	Application Volume 5B, 7-108.	Prior to Construction	Superseded by NEB Condition	72,78	
366	Environment	NEB	Trans Mountain will report any rare plants or rare lichens identified to the provincial conservation data centre.	Application Volume 5A, 8-114.	Prior to Construction	Superseded by NEB Condition	40	
367	Environment	NEB	Trans Mountain will work with Environment Canada (EC) and comply with the Migratory Birds Convention Act and Migratory Birds Sanctuary Regulations, as well as any provincial and territorial wildlife agencies related to the Project components and impacts. Clearing and pre-construction activities will be conducted outside the minimum migratory bird restricted activity period (RAP) of May 1 to July 31, where practical.  In the event that the schedule changes and clearing activities are planned during the migratory bird RAP, a migratory bird nest sweep will be conducted. In the event that an active nest is found, a protective buffer will be established around the nest. The size of the buffer will be influenced by the status of the bird. Typically a 30 m buffer is applied to a songbird nest and a 100 m buffer is applied around waterfowl or raptor nests. Recommended mitigation measures are identified in Volume 6B – Pipeline Environmental Protection Plan.	Part 2 – Consultation Update No. 1	Prior to Construction	Superseded by NEB Condition	72	
368	Environment	NEB	Trans Mountain will work with provincial regulatory authorities, tenure holders and other stakeholders to identify opportunities to address potential residual Project effects on caribou habitat.	Application Volume 5A, 7-271.	Project Lifecycle	Superseded by NEB Condition	36, 37	
369	Environment	NEB	Trans Mountain will work with the appropriate regulatory authorities to develop a mitigation strategy to address the Project's incremental cumulative effect on grizzly bear in the North Cascades Grizzly Bear Population Unit (GBPU).	Application Volume 5A, 8-151.	Project Lifecycle	Superseded by NEB Condition	56	
370	Environment	NEB	Trans Mountain will work with various provincial and federal agencies with responsibilities related to air emissions from the Project components.	NEB_IR_No._2.027	Prior to Construction	Superseded by NEB Condition	52, 53, 54, 55, 79	



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371	Environment	Pro Information Pro Environment United People Network	If herbicide is to be applied in close proximity to a certified organic farm the contractors will be supervised by a qualified Environmental professional to ensure that the farms are not affected by the activity. If weeds need to be controlled through a certified organic farm, TRans Mountain will coordinate an acceptable solution with the landowner/land manager to mitigate the weed concerns.	PIPEUP_IR_No._1.6.3	Prior to Construction	Superseded by NEB Condition	45, 72	
373	Environment	C.G.L.A.P. - Collaborative Group of Landowners Affected by Pipelines	Trans Mountain is committed to systematic and timely communication with farm operators. Based on this communication, detailed biosecurity measures will be developed collaboratively between the farm operator and Trans Mountain.	CGLAP_IR_No._2.8b	Prior to Construction	Superseded by NEB Condition	72	
375	Environment	C.G.L.A.P. - Collaborative Group of Landowners Affected by Pipelines	Trans Mountain will meet with the BC Agricultural Land Commission (ALC) again in the fall of 2014 to review Trans Mountain's commitments to agriculture and obtain further input from the BC Agricultural Land Commission (ALC).	CGLAP_IR_No._2.1a	Prior to Construction	Complete		
376	Environment	C.G.L.A.P. - Collaborative Group of Landowners Affected by Pipelines	Where a landowner raises a concern, the Agricultural Monitor will take core soil samples across the construction right-of-way and off right-of-way to assess conditions, define anomalies, and make recommendations to resolve identified concerns.	CGLAP_IR_No._2.5f	During Construction	Scoping		
377	Environment	Sto:lo Collective	During the construction phase, Trans Mountain will discuss any unanticipated adverse effects on Sto:lo businesses related to the construction of the Project during the mutually agreed to on-going engagement between Sto:lo and Trans Mountain. Additional mitigation will be developed, as required, if and as such adverse effects are identified.	Sto:lo Collective Recommendation #71	During Construction	Superseded by NEB Condition	13	
388	Environment	Environment Canada	At Westridge Marine Terminal, Trans Mountain will undertake Marine Bird Monitoring as a component of the Post Construction Environmental Monitoring program. Trans Mountain will meet with Environment Canada to discuss the monitoring program.	EC P-IR_No_1.21	Prior to Construction	Superseded by NEB Condition	151	
406	Environment	NEB	Through the proposed Marine Mammal Protection Program and other regional collaborative initiatives, Trans Mountain commits to implementing mitigation measures that are within its control to implement to manage potential environmental effects (both Project-related and cumulative) on marine mammals.	NEB_IR_No._1.38	Prior to Operations	Superseded by NEB Condition	132	
408	Environment	NEB	Trans Mountain is committed to working with Fisheries and Oceans Canada (DFO), participating Aboriginal communities, Vancouver Fraser Port Authority DBA Port Metro Vancouver and other stakeholders to identify the most appropriate means of offsetting serious harm to marine fish and fish habitat. Trans Mountain will submit a preliminary marine fish habitat offsetting plan to the NEB in Q3 2014.	NEB_IR_No._1.51	Prior to Construction	Complete		
419	Environment	City of Burnaby	Post-construction monitoring will continue until remediation measures are considered to be effective and issues are resolved in Old Growth Management Areas.	City_Burnaby_IR_No._1.04.14k	During Operations	Superseded by NEB Condition	151	
427	Environment	Parks Canada Agency	The Company's Jasper National Park Operations and Maintenance Environmental Protection Plan will be revised and updated prior to reactivation.	GoC_Parks_IR_No._1.2.4	Prior to Construction	Complete		

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453	Environment	City of Burnaby	Trans Mountain will adopt any additional measures required by the NEB such as those set out in NEB Draft Condition No. 33 of the NEB's Letter – Draft Conditions and Regulatory Oversight (NEB 2014).	City_Burnaby_IR_No._1.27.02b	Prior to Construction	Superseded by NEB Condition	80, 141	
456	Environment	Regional District of Fraser-Fort George	Trans Mountain will continue to work with the communities of Valemount and the Regional District on implementing and enforcing procedures that discourage disregard for the sensitivity of that environment, by its employees and contractors.	RD_of_Fraser-Fort_George_IR_No._1.04b	Prior to Construction	Superseded by NEB Condition	59	
458	Environment	NEB	The Socio-Economic Effects Monitoring Program will include monitoring indicators related to worker/community interaction and worker conduct.	NEB_IR_No._1.17d.6	Prior to Construction	Superseded by NEB Condition	13	
459	Environment	NEB	Trans Mountain will consult with key stakeholders (e.g., governments, local/regional service providers, Aboriginal communities, municipalities) regarding the socio-economic effects monitoring framework, indicators to be monitored, methods of reporting, and the level of local/regional interest in participating in socio-economic effects monitoring. The monitoring framework and process will then be finalized and shared publically.	NEB_IR_No._1.17d	Prior to Construction	Superseded by NEB Condition	13	
462	Environment	NEB	Trans Mountain will file a consultation update with the Board on Trans Mountain's consultations with municipal and provincial authorities regarding its waste management plans at each of the proposed camp sites at the time copies of camp permits are filed with the Board.	NEB_Cond_IR_No._21.4a	Prior to Construction	Superseded by NEB Condition	59	
465	Environment	NEB	Trans Mountain will also file the waste management plan for each camp with the Board at this time, which will include a description of the assessment of the potential impacts related to waste management and a description of all associated mitigation measures.	NEB_Cond_IR_No._21.4a	Prior to Construction	Superseded by NEB Condition	59	
469	Environment	NEB	Trans Mountain is committed to meeting the applicable ambient air quality objectives at the Edmonton Terminal.	NEB_IR_No._3.019b	During Operations	Superseded by NEB Condition	72	
470	Environment	NEB	Trans Mountain will establish a Groundwater Monitoring Program for Albreda Pump Station in 2015. This is scheduled as part of the annual addition to the Groundwater Monitoring Program.	NEB_IR_No._3.022c.2	Prior to Construction	Complete		
473	Environment	NEB	Trans Mountain commits to produce site-specific mitigation measures for all rare plant, rare lichen and rare ecological community occurrences observed on the final Project footprint.	NEB_IR_No._3.026	Prior to Construction	Superseded by NEB Condition	40	
474	Environment	NEB	The location of all sensitive vegetation features and their site-specific mitigation measures will be on the Environmental alignment sheets (EAS), which will be reissued prior to construction. The EAS will illustrate the features and provide guidance to mitigation measures and management plans provided in the Environmental Protection Plan and Management Plans.	NEB_IR_No._3.026	Prior to Construction	Superseded by NEB Condition	40, 72	
475	Environment	NEB	The final Reclamation Plan will be completed prior to construction in consultation with BC Parks.	NEB_IR_No._3.026d	Prior to Construction	Superseded by Management Plan		
476	Environment	NEB	Trans Mountain commits to continue the discussions with BC Ministry of Forests, Lands and Natural Resource Operations (MFLNRO) and coordinating OGMA mitigation requirements.	NEB_IR_No._3.027c	Prior to Construction	Superseded by NEB Condition	76	
477	Environment	NEB	Trans Mountain commits to reviewing replacement options for Old Growth Management Areas (OGMAs) if unavoidable adverse effects result from the Project.	NEB_IR_No._3.027	Prior to Construction	Superseded by NEB Condition	76	

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478	Environment	NEB	Trans Mountain remains committed to conducting ground-based surveys at all wetlands encountered by the Project prior to construction, where access is available.	NEB_IR_No._3.028a	Prior to Construction	Superseded by NEB Condition	41	
479	Environment	NEB	Trans Mountain will advise the NEB in the event that it is unable to complete surveys of wetlands not previously surveyed prior to construction and will provide the NEB with a summary of its attempts to obtain access.	NEB_IR_No._3.028	Prior to Construction	Superseded by NEB Condition	41	
480	Environment	NEB	Approximately 117 wetlands crossed by the proposed pipeline corridor will be targeted for supplemental surveys prior to construction, subject to land access.	NEB_IR_No._3.028	Prior to Construction	Superseded by NEB Condition	41	
481	Environment	NEB	Trans Mountain has committed to prepare a Mitigation Plan (NEB F-IR No. 1.44d [Filing ID A3Z4T4]), and provide an assessment of Townsend's mole.	NEB_IR_No._3.029c	Prior to Construction	Superseded by NEB Condition	44	
484	Environment	NEB	Trans Mountain will develop and implement Environmental offset projects to focus on parks and protected areas, BC interior grasslands, species at risk and their habitat, aquatic ecosystems, and old growth management areas.	NEB_IR_No._3.036a, NEB_IR_No._3.037	Project Lifecycle	Superseded by NEB Condition	41, 42, 43, 44, 71, 76, 154, 156, 157	
485	Environment	NEB	Trans Mountain is committed to providing a summary of the proposed offset projects to the NEB once they are defined and the necessary approvals / permits to construct and operate in the four proposed BC provincial parks and one recreation area have been granted.	NEB_IR_No._3.037	Prior to Operations	Superseded by BC EAO	21	
486	Environment	NEB	Trans Mountain will include additional site-specific mitigation measures for watercourses identified as critical Nooksack dace and Salish sucker habitat in the final Pipeline Environmental Protection Plan, to be filed with the NEB, at least 90 days prior to construction in accordance with NEB draft condition No. 29.	NEB_IR_No._3.039	Prior to Construction	Superseded by NEB Condition	75	
487	Environment	NEB	Trans Mountain will obtain necessary permits under the Species at Risk Act (SARA) for the salvage of all relevant freshwater fishes.	NEB_IR_No._3.042	Prior to Construction	Superseded by NEB Condition	110	
488	Environment	NEB	Trans Mountain will continue dialogue with all Aboriginal communities, where freshwater species at risk are concerned.	NEB_IR_No._3.042	Prior to Construction	Superseded by NEB Condition	75	
510	Environment	NEB	Spawning surveys will be conducted before and during construction (where practical/feasible) at crossings with high potential spawning habitat, and where spawning exclusion devices (e.g., placement of snow-fence or other matting over spawning substrate) are not already in use.	NEB_IR_No._3.38d.1	Prior to Construction	Superseded by NEB Condition	72, 43	
511	Environment	Natural Resources Canada	Trans Mountain commits to updating the air quality assessments for the Westridge Marine Terminal in 2015 to inform engineering design. Trans Mountain has also committed to Vancouver Fraser Port Authority DBA Port Metro Vancouver that an additional air quality assessment will be prepared when the design engineering has adequately progressed.	GoC_NRCan_IR_No._2.01	Prior to Construction	Superseded by NEB Condition	52	
512	Environment	Natural Resources Canada	Trans Mountain has confirmed that they will meet with the Lower Fraser Valley Air Quality Coordinating Committee (LFVAQCC) in Q1 2015 to develop a work plan for an updated photochemical modelling study that will be completed in Q3 2015.	GoC_NRCan_IR_No._2.01, FVRD_IR_No._2.10, Metro_Vancouver_IR_No._ 2.3.1.	Prior to Construction	Complete		
517	Environment	Natural Resources Canada	Trans Mountain is committed to working with Aboriginal groups and other interested parties to identify the most appropriate means of offsetting serious harm to marine fish and fish habitat.	GoC_NRCan_IR_No._2.08	Prior to Construction	Complete		
518	Environment	Environment Canada	Trans Mountain is committed to meeting federal and provincial water quality guidelines for the protection of aquatic life during all stages of construction.	GoC_EC_IR_No._2.017	During Construction	Superseded by NEB Condition	72, 43	

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519	Environment	Environment Canada	If the National Energy Board (NEB) and Fisheries and Oceans Canada (DFO) determine that construction of the Westridge Marine Terminal is likely to result in serious harm to fish, Trans Mountain will implement marine fish habitat offsetting measures to counterbalance this serious harm.	GoC_EC_IR_No._2.017	Prior to Construction	Superseded by NEB Condition	109	
520	Environment	Environment Canada	If required through Parks Canada Agency's development permit application process, Trans Mountain will complete further effects assessment for the reactivation activities in accordance with the Parks Canada Directive on Implementation of Canadian Environmental Assessment Act, 2012.	GoC_EC_IR_No._2.024b, GoC_Parks_IR_No._2.132	Prior to Construction	Complete		
521	Environment	Environment Canada	Upon completion of the In-Line Inspections, Trans Mountain will complete field surveys as needed prior to commencing reactivation activities along the Darfield to Black Pines segment to inform the development of mitigation measures to avoid, reduce and mitigate Project effects on wetlands, vegetation and wildlife species at risk and migratory birds, depending on the extent and nature of the reactivation activities.	GoC_EC_IR_No._2.024	Prior to Construction	Superseded by NEB Condition	72	
522	Environment	Environment Canada	Trans Mountain is committed to the implementation of mitigation to ensure that the Project's contribution to caribou mortality risk is effectively mitigated.	GoC_EC_IR_No._2.026c	During Operations	Superseded by NEB Condition	36, 37	
523	Environment	Environment Canada	Trans Mountain will assess whether length of trenchless crossing can be extended to provide a buffer zone(s) at each crossing site, where practicable for the locations identified in GoC EC IR No. 2.029a.	GoC_EC_IR_No._2.029b	Prior to Construction	Complete		
524	Environment	Environment Canada	Trans Mountain will provide Environment Canada (EC) with a map and spatial data (i.e. shape files) of the construction footprint within the Project's Caribou Regional Study Area.	GoC_EC_IR_No._2.030	Prior to Construction	Superseded by NEB Condition	36	
525	Environment	Environment Canada	Trans Mountain commits to schedule a meeting with Environment Canada (EC) to review the area of Project overlap/interaction with critical habitat.	GoC_EC_IR_No._2.035	Prior to Construction	Complete		A meeting was held with Environment Canada on October 10, 2014.
526	Environment	Tsawwassen First Nation	Trans Mountain will continue to consult with BC Ministry of Forests, Lands and Natural Resource Operations (MFLNRO) in regards to Oregon spotted frog.	GoC_EC_IR_No._2.036	Prior to Construction	Superseded by NEB Condition	44	
527	Environment	Environment Canada	If cliff/caves that may provide suitable habitat for spotted bat (i.e., vertical cliff faces with warm aspects and heights of approximately 40 m to 400 m) or known caves occur within the Project Footprint, Trans Mountain will contact BC Ministry of Forests, Lands and Natural Resource Operations (MFLNRO) to discuss the appropriate survey method for determining if the cliff/cave is used by spotted bat.	GoC_EC_IR_No._2.037	Prior to Construction	Complete		
528	Environment	Environment Canada	Trans Mountain will conduct spotted owl surveys in the Sowaqua Spotted Owl Wildlife Habitat Area in 2015 and 2016.	GoC_EC_IR_No._2.038	Prior to Construction	Complete		Spotted owl surveys were completed in 2015.
529	Environment	Environment Canada	Trans Mountain will finalize reclamation strategies before construction and will determine seed mixes in consultation with the appropriate Crown land managers.	GoC_EC_IR_No._2.045	Prior to Construction	Superseded by NEB Condition	72	
530	Environment	Sto:lo Collective	Trans Mountain is committed to ongoing discussion with the Sto:lo Collective about emerging health issues related to the Project.	Sto:lo Collective Recommendation #79, #80, #81	During Construction	In Progress		
534	Environment	Environment Canada	Information on mortality and collision events during construction will be compiled by the Environmental Monitor and included, as applicable, in post-construction monitoring reports for the Westridge Marine Terminal.	GoC_EC_IR_No._2.050b	Prior to Construction	Superseded by NEB Condition	81	

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535	Environment	Environment Canada	Trans Mountain is committed to the goal of "no net loss" of wetland function and plans to meet this goal through mitigation measures, post-construction monitoring and, if warranted, compensation.	GoC_EC_IR_No._2.054	During Operations	Superseded by NEB Condition	41	
538	Environment	Environment Canada	Trans Mountain will provide CALMET model input files for Burnaby Terminal Regional Study Area as requested.	GoC_EC_IR_No._2.059	Prior to Construction	Complete		
544	Environment	Environment Canada	Trans Mountain will ensure all construction right-of-way clearing activities and site reclamation activities around the Chilliwack and Cascades Forest District boundary are in accordance with the Plant Protection Act – Balsam Woolly Adelgid (B.C. Reg. 414/92). The movement of any tree of Abies species will not be moved to any place outside of the quarantine area. Additionally, logs of Abies species that are moved out of the quarantine zone must be transported and stored in water and promptly processed to avoid the spread of the Balsam Woolly Adelgid.	GoC_EC_IR_No._2.122	During Construction	In Progress		
548	Environment	Environment Canada	Trans Mountain has committed to further environmental impact analysis in accordance with Parks Canada Directive on Implementation of CEAA 2012 following the results of the In-Line Inspections of the 24-inch pipeline.	GoC_EC_IR_No._2.132	Prior to Construction	Superseded by NEB Condition	72	
550	Environment	Environment Canada	Trans Mountain is committed to working with Parks Canada in developing and implementing a set of Management Objectives / Desired End Results with appropriate monitoring and performance criteria to ensure ecological integrity management objectives of Jasper National Park are achieved during reactivation.	GoC_EC_IR_No._2.137	Prior to Construction	Superseded by Management Plan		
552	Environment	Environment Canada	Trans Mountain will meet the requirements of the Parks Canada directive on human burials in National Park and National Historic Sites settings: Management Directive 2.3.1: Human Remains, Cemeteries and Burial Grounds (Parks Canada 2000).	GoC_EC_IR_No._2.141	Prior to Construction	Complete		
554	Environment	Environment Canada	Trans Mountain is willing to consider proposals from Parks Canada Agency to contribute to a positive legacy or net benefit to Jasper National Park and Mount Robson Provincial Park.	GoC_EC_IR_No._2.148	Prior to Construction	Complete		
557	Environment	Environment Canada	Wetland function post-construction monitoring will be conducted to review the area of disturbance and determine whether implemented mitigation measures were successful and to identify any wetlands where remedial measures should be implemented to assist with the wetland function recovery if warranted.	GoC_EC_IR_No._2.052	Prior to Construction	Superseded by NEB Condition	41	
562	Environment	BC Nature and Nature Canada	Trans Mountain commits to consulting with appropriate regulatory agency if there are scheduling conflicts related to the sensitive periods for amphibians and the construction schedule.	BC_Nature_Nature_Cda_IR_No._2.38	During Construction	Superseded by NEB Condition	72	
578	Environment	City of Abbotsford	The Reclamation Management Plan for the Project will be developed prior to construction and will incorporate re-vegetation principles for riparian areas in BC that are included in the Riparian Areas Regulation (RAR) revegetation guidelines (BC Ministry of Environment 2012).	City_of_Abbotsford_IR_No._2.2.07d, City_of_Abbotsford_IR_No._2.2.09d	Prior to Construction	Superseded by NEB Condition	71	
595	Environment	Adams Lake Indian Band	Trans Mountain will develop a marine water and sediment sampling plan for use during dredging (if dredging is required).	ALIB_IR_No._2.03.01	Prior to Construction	Superseded by NEB Condition	35	
596	Environment	Adams Lake Indian Band	Environmental sampling (if required) will be conducted by a Qualified Environmental Professional (QEP)-led crew.	ALIB_IR_No._2.03.02b	Project Lifecycle	Superseded by NEB Condition	72	
597	Environment	Adams Lake Indian Band	Trans Mountain is committed to further engagement with the Adams Lake Indian Band (ALIB) to discuss ideas regarding an offset plan (fish habitat offset plan) should it be required.	ALIB_IR_No._2.03.11	During Construction	Superseded by NEB Condition	110	

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598	Environment	Adams Lake Indian Band	Trans Mountain will provide Draft species-specific mitigation plans to Adams Lake Indian Band (ALIB) for review.	ALIB_IR_No._2.05.5	Prior to Construction	Complete		
599	Environment	Upper Nicola Band	Trans Mountain is committed to the review of the information on hunting, trapping, gathering or fishing in the area of the Coldwater and Nicola Rivers upon receipt for consideration in project planning and continued engagement with Upper Nicola to discuss mitigation measures to minimize potential impacts. Trans Mountain notes that the construction planning schedule requires that this policy be received no later than May 1, 2015.	Upper_Nicola_Band_IR_No._2(c).02	Prior to Construction	Complete		
601	Environment	C.G.L.A.P. - Collaborative Group of Landowners Affected by Pipelines	Trans Mountain will consult with the Collaborative Group of Landowners Affected by Pipelines (CGLAP) in developing a list of suitable candidates for an Agricultural Monitor for the Fraser Valley.	CGLAP_IR_No._2.5c	Prior to Construction	Complete		
606	Environment	NEB	Trans Mountain commits to monitoring the spawning deterrents at each of the sites where installed, to ensure that the deterrents do not shift during open water flows.	NEB_Cond_IR_No._15.1b	During Construction	In Progress		
617	Environment	City of Burnaby	Wildlife field work for the Westridge Delivery Pipelines will be completed in 2015 in selected areas where habitat disturbance will occur associated with the proposed entry and exit points of the tunnel.	City_Burnaby_IR_No._2.074 a	Prior to Construction	Complete		
618	Environment	City of Burnaby	An Archaeological Impact Assessment (AIA) will also be conducted on the proposed entry and exit points for the tunnel in 2016.	City_Burnaby_IR_No._2.074 a	Prior to Construction	Superseded by NEB Condition	100	
619	Environment	City of Burnaby	If historic contamination is discovered on City lands, Trans Mountain commits to notifying the City of Burnaby and providing a detailed remedial strategy.	City_Burnaby_IR_No._2.079 b	Prior to Construction	Superseded by NEB Condition	46	
620	Environment	City of Burnaby	Trans Mountain plans to engage with the City of Burnaby regarding the development of an Air Emissions Management Plan for the Westridge Marine Terminal per NEB Draft Condition 19 (August 2015).	City_Burnaby_IR_No._1.04.14h, City_Burnaby_IR_No._1.28.01c, City_Burnaby_IR_No._2.085, City_Burnaby_IR_No._2.086, FVRD_IR_No._2.19, Metro_Vancouver_IR_No._116.03i	Prior to Construction	Superseded by NEB Condition	52	
623	Environment	City of Burnaby	If the Burrard Streets Alternative Alignment is selected, Trans Mountain commits to ensuring that Heron Creek is not crossed and silt fencing will be installed to manage run-off to ensure that this creek is not adversely affected.	City_Burnaby_IR_No._2.094	Prior to Construction	No Longer Applicable		This commitment is no longer applicable as the Burnaby Mtn tunnel is the proposed route.
624	Environment	City of Burnaby	In the event that the proposed alternative pipeline corridor for the Westridge Delivery Lines is selected for construction, a search for heron nests will be completed in the area of Heron Creek and the Burrard Inlet Conservation Area.	City_Burnaby_IR_No._2.095	Prior to Construction	Complete		A search for heron nests was completed in June 2014.
630	Environment	City of Burnaby	Trans Mountain will discuss the need for additional wildlife field work specific to species of special conservation status outside of areas mapped as critical habitat by Environment Canada (EC) with BC Ministry of Forests, Lands and Natural Resource Operations (MFLNRO).	City_Burnaby_IR_No._2.115	Prior to Construction	Complete		

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635	Environment	City of Burnaby	Any disturbance to existing riparian vegetation or compensation areas will be re-established by Trans Mountain during the construction and reclamation phases of the project.	City_Burnaby_IR_No._2.136 ; NEB_Route_Hearing_TMEP_Evidence_Seg_7_Burnaby	During Construction	Superseded by NEB Condition	71	
647	Environment	The City of Edmonton	Trans Mountain will work with the City of Edmonton to determine where landscaping will be required in areas of the Whitemud Extension pipeline corridor affected by construction.	City_of_Edmonton_IR_No._2.2.3b	Prior to Construction	Complete		
653	Environment	City of Kamloops	Trans Mountain will review the new City of Kamloops Park Management Plan (if complete) prior to reclamation planning.	City_of_Kamloops_IR_No._2.05	During Construction	Complete		
658	Environment	City of New Westminster	Trans Mountain will discuss potential overlap of the sensitive life-history phases of species with special conservation status with the appropriate regulatory authority with respect to the Brunette Conservation Area.	City_New_Westminster_IR_No._2.A.3	Prior to Construction	Superseded by NEB Condition	43	
660	Environment	City of New Westminster	Trans Mountain is committed to exploring ways to help the further recovery of aquatic ecosystems in the Brunette River Conservation Area that may be affected by TMEP.	City_New_Westminster_IR_No._2.A.3.vii	Prior to Construction	Superseded by NEB Condition	43, 71, 75	
662	Environment	NEB	Trans Mountain commits to monitoring the effectiveness of spawning deterrents at five select watercourses to confirm success.	NEB_Cond_IR_No._15.1b	During Construction	In Progress		
669	Environment	NEB	Trans Mountain commits to additional spawning surveys if deterrents cannot be installed at Swift Creek or Albreda River (BC-82a).	NEB_Cond_IR_No._15.1a	Prior to Construction	No Longer Applicable		Deterrents were successfully installed at both locations, therefore this commitment is no longer applicable.
670	Environment	NEB	Trans Mountain commits to developing site-specific mitigation, remediation and/or monitoring measures during construction to manage impacted materials appropriately and ensure worker health and safety and protection of the environment, at the S&R Mills and adjacent City of Surrey lands fronting 19399 98A Ave, within the pipeline construction area. Site-specific plans will be filed with NEB 2 months prior to construction in the area of the high risk site.	NEB_Cond_IR_No._20.1.8e	Prior to Construction	Superseded by NEB Condition	46	
671	Environment	NEB	Trans Mountain commits to developing a site-specific plan to address mitigation and remedial measures specific to the contaminants of concern for the Former Ellerslie Waste Management Facility (FEWMF) site to prevent the pipeline trench from becoming a conduit for contamination. Site-specific plans will be filed with NEB 2 months prior to construction in the area of the high risk site.	NEB_Cond_IR_No._20.1.13c, d	Prior to Construction	Superseded by NEB Condition	46	
672	Environment	NEB	Trans Mountain commits to developing a health and safety plan to mitigate against worker and public exposure to the contaminants of concern at the Former Ellerslie Waste Management Facility (FEWMF) site. Site-specific plans will be filed with NEB 2 months prior to construction in the area of the high risk site.	NEB_Cond_IR_No._20.1.13c	Prior to Construction	Superseded by NEB Condition	46	
674	Environment	NEB	Trans Mountain will provide the supplemental wildlife and vegetation data (that will be collected in August and September 2017) and the updated riparian habitat function assessment to the Board, on or before December 31, 2017.	NEB_Cond_IR_No._29.3c	During Construction	Complete		
677	Environment	NEB	Trans Mountain commits to restoring riparian habitat within the 30 m reserve strip of the Brunette River that is disturbed as a result of construction activities, using a High Reclamation Target criteria.	NEB_Cond_IR_No._30.2b	Prior to Operations	Scoping		
681	Environment	NEB	Trans Mountain commits to updating the Water Quality Monitoring Plan for the Coquihalla River (BC-654, in Hope) crossing, with parts a) - f) as identified in NEB IR No. 35.4.	NEB_Cond_IR_No._35.4	During Construction	Scoping		

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687	Environment	NEB	Trans Mountain will file the results of the air emissions monitoring program during operations at the Edmonton Terminal with the Board annually.	NEB_Cond_IR_No._32.5	During Operations	Scoping		
688	Environment	NEB	Trans Mountain will file the results of the air emissions monitoring program during operations at the Sumas Terminal with the Board annually.	NEB_Cond_IR_No._32.5	During Operations	Scoping		
689	Environment	NEB	Trans Mountain will file the results of the air emissions monitoring program during operations at the Burnaby Terminal with the Board annually.	NEB_Cond_IR_No._32.5	During Operations	Scoping		
690	Environment	Metis Nation of Alberta Gunn Metis Local 55	Trans Mountain commits to not disturbing any known burial sites or cemeteries registered with Service Alberta under the Cemeteries Act or registered with Alberta Culture and Tourism under the Historical Resources Act during the Project.	Gunn_Métis_Local_55_IR_No._2.26	During Construction	Scoping		
691	Environment	Metis Nation of Alberta Gunn Metis Local 55	Metis Nation of Alberta Gunn Metis Local 55 will be informed and consulted regarding all sacred sites that may be discovered during construction of the Project through their traditional territory.	Gunn_Métis_Local_55_IR_No._2.29	During Construction	Superseded by NEB Condition	72	
692	Environment	Metis Nation of Alberta Gunn Metis Local 55	In the event a heritage site is discovered, a qualified Heritage Resource specialist will develop, if warranted, an appropriate mitigation plan in consultation with the Lead Environmental Inspector(s), the Lead Activity Inspector(s) and the Construction Manager, and/or appropriate regulatory authority, as well as the applicable Aboriginal communities.	Gunn_Métis_Local_55_IR_No._2.30	During Construction	Superseded by NEB Condition	72	
693	Environment	Natural Resources Canada	Trans Mountain has previously committed to update its assessment of air quality as the Project's engineering design nears or reaches completion. If this air quality assessment reveals further increases in the concentrations of Project-related air pollutants over populated areas under the Base, Application or Cumulative Cases, Trans Mountain will update the human health risk assessment (HHRA). If Trans Mountain updates the HHRA, it would undertake to submit the updated assessment as a condition of approval on any Certificate that the NEB may grant.	GoC_F-IR_No._2.01	Prior to Construction	Complete		
694	Environment	Peters Band	Trans Mountain will retain Environmental Inspectors and Monitors with an understanding of the Contaminated Sites Regulation (B.C. Reg. 4/2014) and sampling protocols (BC Ministry of Environment 2009). If sampling is required it will be conducted under the direction of a Contaminated Sites Approved Professional (CSAP).	Peters_Band_IR_No._2(b).2.5(a)	During Construction	Superseded by NEB Condition	46, 72	
695	Environment	Metis Nation of Alberta Gunn Metis Local 55	Trans Mountain is committed to the development of the Reclamation Management Plan. The Reclamation Management Plan will also be developed in consultation with landowners, Aboriginal communities and the applicable Crown land managers.	Gunn_Métis_Local_55_IR_No._2.48	Prior to Construction	Superseded by NEB Condition	72	
696	Environment	Horse Lake First Nation	Trans Mountain is committed to retain Aboriginal Monitors and is developing the details of Aboriginal Monitor participation through continued engagement with Aboriginal groups.	Horse_Lake_FN_IR_No._2.1	Prior to Construction	Superseded by NEB Condition	98	
699	Environment	Horse Lake First Nation	Trans Mountain will consult with Horse Lake First Nation during the development of the detailed Reclamation Management Plan.	Horse_Lake_FN_IR_No._2.4b	Prior to Construction	Complete		
702	Environment	Peters Band	Trans Mountain commits to having Inspectors and Monitors responsible for identifying and mitigating Environmental effects, including contamination.	Peters_Band_IR_No._2(b).2.5(b)	During Construction	Superseded by NEB Condition	72, 46	



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706	Environment	Peters Band	Trans Mountain will use chemical monitoring of groundwater on Peters Band reserve lands in areas where the contaminated sites review identifies a risk of contamination and there are relevant accessible water wells available.	Peters_Band_IR_No._2(b).2.5(b)	Prior to Construction	Superseded by NEB Condition	46, 72	
707	Environment	Living Oceans Society	Trans Mountain will provide the requested input files used to perform the CALMET/CALPUFF dispersion modelling for the Marine Air Quality and Greenhouse Gas Marine Transportation Technical Report for the Trans Mountain Expansion Project, Supplemental Report No. 2 (December 2014) (Marine Supplemental Report No. 2) (Filing ID A4F5H8) directly to Living Oceans on a USB stick (Living_Oceans_IR_No._2.1 – Attachment 1).	Living_Oceans_IR_No._2.1	Prior to Construction	Complete		
708	Environment	Living Oceans Society	Notwithstanding the limitations due to confidentiality and intellectual property outlined above, in addition to the name lists, run scripts, and emission descriptions, Trans Mountain agrees to supply the files that are specific to the estimated Project emissions at the time of the Application, outside of the National Energy Board filing process. Trans Mountain will send these files directly to the Intervenor on a USB stick (Living_Oceans_IR_No._2.2 - Attachment 1).	Living_Oceans_IR_No._2.2	Prior to Construction	Complete		
709	Environment	Living Oceans Society	Any available wind data inputs will be provided directly to the Intervenor on a USB stick as the file format does not lend itself to filing with the National Energy Board (NEB). Trans Mountain will provide these files to the NEB and any Intervenor on request.	Living_Oceans_IR_No._2.3	Prior to Construction	Complete		
710	Environment	Township of Langley	Trans Mountain Pipeline ULC (Trans Mountain) commits to pre-construction sampling of water wells that are 10 m deep or less within 150m of the proposed right-of-way.	Langley_IR_No._2.08.a	Prior to Construction	Superseded by NEB Condition	93	
712	Environment	NEB	Prior to construction, Trans Mountain commits to completing an intrusive investigation within the Project construction footprint in the vicinity of the Former Asbestos Dump identified by the Gunn Métis to confirm the presence/absence of asbestos.	NEB_Cond_IR_No._53.1b	Prior to Construction	Complete		
716	Environment	Township of Langley	Trans Mountain is committed to removing all construction materials during final clean-up and reclamation.	Langley_IR_No._2.12.b	During Construction	Superseded by NEB Condition	72	
719	Environment	Township of Langley	Trans Mountain is prepared to discuss with the Township of Langley the need for and costs of additional inspection to ensure potential issues related to erosion control and sedimentation are managed during construction.	Langley_IR_No._2.13.e	Prior to Construction	Complete		
720	Environment	Township of Langley	Trans Mountain commits to meet with the Township of Langley to further discuss the concerns regarding riparian vegetation.	Langley_IR_No._2.14.b	Prior to Construction	Superseded by NEB Condition	71	
724	Environment	NEB	Trans Mountain commits to identifying the Former Asbestos Dump identified by the Gunn Metis in the updated Environmental Alignment Sheets.	NEB_Cond_IR_No._53.1d	Prior to Construction	Complete		
726	Environment	NEB	In the event that either of the 2 Horizontal Direction Drills (HDDs) planned for Pacific water shrew critical habitat fail and a contingency crossing method is required, Trans Mountain commits to providing a description of any appropriate site-specific mitigation and habitat enhancement measures, and reclamation prescriptions in the compliance filing for NEB Condition 108 (Contingency Watercourse Crossings).	NEB_Cond_IR_No._8.2b	During Construction	Superseded by NEB Condition	44	

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728	Environment	NEB	Trans Mountain commits to using 'the collection of native seed from component species of rare ecological communities, and propagating new plants from the seed (rooted plugs)' as the primary method to restore species to the rare ecological communities. If seed of the component species is not available, plant salvage and transplant will be used.	NEB_Cond_IR_No._10.4	Prior to Construction	Superseded by NEB Condition	42	
729	Environment	NEB	Trans Mountain commits that, if there is no change from baseline to Post-Construction Environmental Monitoring (PCEM) targets or if there is an upward trend, Trans Mountain will consider the mitigation and reclamation measures to be resolved successfully, however monitoring at the location will continue until the final tenth year of PCEM, when all transects will be monitored.	NEB_Cond_IR_No._10.5	Prior to Construction	Superseded by NEB Condition	42	
731	Environment	NEB	Trans Mountain commits to establishing additional post-construction environmental monitoring (PCEM) transects in native grassland areas if environmental issues are identified during overflights or during operations maintenance activities.	NEB_Cond_IR_No._10.5	During Operations	Superseded by NEB Condition	42	
735	Environment	NEB	Trans Mountain commits that funding to BC Parks for grasslands offsets will include funds for monitoring and reporting on the implementation and effectiveness of offset measures.	NEB_Cond_IR_No._10.6b	Prior to Operations	Superseded by BC EAO	21	
741	Environment	NEB	Trans Mountain commits that if feedback is received from Environment and Climate Change Canada related to the quantification of direct and indirect habitat disturbance as outlined in the Pre-construction Caribou Habitat Assessment filed June 2017, it will be considered and incorporated into any updated analyses required to address NEB Condition 37b(vi) (Final Caribou Habitat Restoration Plan).	NEB_Cond_IR_No._12.3	Prior to Construction	Superseded by NEB Condition	36	
742	Environment	NEB	Trans Mountain commits to the monitoring of survivorship of planted tree seedlings as part of the 5-year Post-Construction Environmental Monitoring (PCEM), using the measurable target of a minimum 80% survivorship of supplemental tree planting within 5 years, in the Sowaqua Spotted Owl WHA.	NEB_Cond_IR_No._14.10a	During Operations	Superseded by NEB Condition	38	
744	Environment	NEB	Trans Mountain commits to the monitoring of retention and replacement of identified suitable nest trees, using the measurable target that for each identified suitable nest tree for spotted owl that may be removed within the Sowaqua Spotted Owl WHA, it will be retained or replaced with an alternate nesting habitat feature.	NEB_Cond_IR_No._14.10h	During Construction	Superseded by NEB Condition	38	
751	Environment	Upper Nicola Band	Should additional unmapped fish-bearing watercourses be identified during survey or a route walk prior to construction, Trans Mountain will assess these watercourses for the potential for Serious Harm.	Upper_Nicola_Band_IR_No._2(c).06.e	Prior to Construction	Superseded by NEB Condition	72	
754	Environment	Katzie First Nation	Provide Katzie First Nation with a 1:5,000 scale map (Reference (i), map number 201501_MAP_TERA_HER_00669_REV0) of all known archaeological sites located within 500 m of the Project Footprint, including sites DgRp-10, DhRq-17, DgRq-85, DhRq-36 and DhRq-43 if they are not already captured.	Katzie_FN_IR_No._2_2.02	Prior to Construction	Complete		
755	Environment	Katzie First Nation	Wildlife surveys within Surrey Bend Regional Park will be conducted once land access is granted.	Katzie_FN_IR_No._2_2.04	Prior to Construction	Superseded by NEB Condition	7	

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758	Environment	Upper Nicola Band	Trans Mountain is committed to applying appropriate mitigation strategies during the construction of all the Project's watercourse crossings. Specific to watercourses that provide fish habitat, the Project will incorporate standard measures outlined by the Fisheries and Oceans Canada (DFO) Measures to Avoid Causing Harm to Fish and Fish Habitat and, if warranted, alternative or supplemental mitigation measures.	Upper_Nicola_Band_IR_No._2(c).07.e	During Construction	Superseded by NEB Condition	43	
763	Environment	NEB	Trans Mountain will take a proactive approach to Burnaby Mountain tunneling operations and associated activities and will require all machinery and equipment to be maintained and operated to manufacturer's standards and to the regulatory conditions of air emissions and construction permits.	NEB_IR_No._4_3c	Prior to Construction	Superseded by NEB Condition	72	
765	Environment	Province of British Columbia	Trans Mountain will accurately reflect the location of drinking water supply sources within 100m of the pipeline, its facility, or areas that could be impacted from a release as modelled in Application Volume 7, Section 3 (Filing ID A3S4V5) based on information available from Provincial and Municipal permitting agencies.	Province_BC_IR_No._2.11	Prior to Construction	Superseded by NEB Condition	93	
766	Environment	Province of British Columbia	Trans Mountain will work with communities that have specific concerns related to protection of municipal water sources and will consider installation of monitoring wells in strategic locations.	Province_BC_IR_No._2.12	During Operations	Superseded by NEB Condition	130	
768	Environment	NEB	Trans Mountain will restore disturbed riparian zones.	NEB_IR_No._4_7a	During Construction	Superseded by NEB Condition	71	
773	Environment	NEB	Trans Mountain will include a Dust Mitigation Plan as a component of the Fugitive Emissions Management Plans which must be submitted to the National Energy Board (NEB) at least four months prior to commencing construction in accordance with NEB Draft Condition (April 2014) 20 (Westridge Marine Terminal) of the NEB's Letter.	NEB_IR_No._4_03a.4	Prior to Construction	Superseded by NEB Condition	52	
777	Environment	NEB	With respect to mitigation measures, Trans Mountain will align with the broader strategies identified in the Recovery Strategy for Nooksack dace and Salish sucker.	NEB_IR_No._4.07	Prior to Construction	Superseded by NEB Condition	75	
780	Environment	NEB	Trans Mountain will ensure that adequate riparian setbacks are maintained for all watercourse crossings and that the amount of riparian vegetation removal is limited during construction.	NEB_IR_No._4_7c	During Construction	Superseded by NEB Condition	71, 72	
784	Environment	NEB	Trans Mountain will revise additional site-specific mitigation measures for watercourses identified as critical Nooksack dace to include similar riparian reserve measures proposed for Salish sucker which will be included in final Pipeline Environmental Protection Plan, to be filed with the NEB, at least 90 days prior to construction in accordance with NEB draft condition No. 29.	NEB_IR_No._4.07	Prior to Construction	Superseded by NEB Condition	75	
792	Environment	NEB	Trans Mountain will include additional site-specific mitigation measures for watercourses identified as critical Nooksack dace and Salish sucker habitat in the final Pipeline Environmental Protection Plan, to be filed with the NEB, at least 90 days prior to construction in accordance with NEB draft condition No. 29.	NEB_IR_No._4.07	Prior to Construction	Superseded by NEB Condition	75	
796	Environment	NEB	Although no Oregon spotted frog were identified during the March 2015 surveys, Trans Mountain will continue to work with BC Ministry of Forests, Lands and Natural Resource Operations (MFLNRO) to discuss mitigation measures for Oregon spotted frog.	NEB_IR_No._4_10	Prior to Construction	Superseded by NEB Condition	44	
798	Environment	NEB	Trans Mountain will update Table L2 of the Pipeline Environmental Protection Plan (EPP) to more clearly link the mitigation measures already listed in the EPP to Western barn owl.	NEB_IR_No._4_10	Prior to Construction	Superseded by NEB Condition	44	

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800	Environment	NEB	Trans Mountain will prepare Mitigation Plans for the Oregon forest snail and Oregon spotted frog.	NEB_IR_No._4_10	Prior to Construction	Superseded by NEB Condition	44	
803	Environment	NEB	Trans Mountain will specifically update Table L2 in the Pipeline Environmental Protection Plan (EPP), to link mitigation measures already provided in the EPP to species with early candidate critical habitat of the American badger ( <i>jeffersonii</i> subspecies), Western barn owl and Western screech owl ( <i>macfarlanei</i> and <i>kennicottii</i> subspecies).	NEB_IR_No._4_10	Prior to Construction	Superseded by NEB Condition	44	
804	Environment	Upper Nicola Band	Soil inspection site 71BH will be added to the revised Environmental Alignment Sheets when they are submitted in advance of construction.	Upper_Nicola_Band_IR_No._2.17b	Prior to Construction	Superseded by NEB Condition	72	
806	Environment	Upper Nicola Band	Buntzen and shallow Buntzen soils were identified during a supplemental soil survey. These soil units will be mapped in relation to the Project footprint on the Environmental Alignment Sheets that will be issued prior to the commencement of construction.	Upper_Nicola_Band_IR_No._2.24c	Prior to Construction	Superseded by NEB Condition	72	
807	Environment	Upper Nicola Band	Detailed reclamation strategies for sensitive areas will be finalized before construction and appropriate seed mixes and seeding strategies will be developed in consultation with the land owner or appropriate regulatory agency.	Upper_Nicola_Band_IR_No._2.24d	Prior to Construction	Superseded by NEB Condition	72, 78, 81	
808	Environment	Upper Nicola Band	Trans Mountain will consult with the Upper Nicola Band First Nation regarding their concerns during the development of detailed reclamation planning and prior to the finalization of the Reclamation Management Plan.	Upper_Nicola_Band_IR_No._2.24f	Prior to Construction	Superseded by Management Plan		
809	Environment	NEB	Trans Mountain will consult with the appropriate regulatory authority to discuss project routing in relation to early candidate critical habitat and recommend field visit to review the presence of biophysical attributes of key critical habitat.	NEB_IR_No._4_10	Prior to Construction	Superseded by NEB Condition	44	
811	Environment	Upper Nicola Band	The requested Watercourse Crossing Summary Table will be updated closer to construction, should additional unmapped watercourses be identified and assessed during the survey or a final route walk.	Upper_Nicola_Band_IR_No._2.31e	Prior to Construction	Superseded by NEB Condition	43	
812	Environment	Upper Nicola Band	Estimates for riparian disturbance will be assessed and updated, should additional unmapped defined watercourses be identified during survey or a route walk prior to construction.	Upper_Nicola_Band_IR_No._2.31f	Prior to Construction	Superseded by NEB Condition	71	
813	Environment	Upper Nicola Band	Should additional unmapped fish-bearing watercourses be identified during survey or a route walk prior to construction, Trans Mountain will assess these watercourses for the potential for Serious Harm.	Upper_Nicola_Band_IR_No._2.31i	Prior to Construction	Superseded by NEB Condition	72	
815	Environment	Fraser Valley Regional District	Trans Mountain will work with the Fraser Health Authority (FHA), regarding Project construction activities to identify and develop resolutions to potential and specified concerns for the protection of drinking water supplies in the Fraser Valley Regional District (FVRD).	FVRD_IR_No._2.02	Prior to Construction	Superseded by NEB Condition	94	
818	Environment	NEB	Trans Mountain commits to ensuring that any updates to performance indicators and targets included in the re-filed Sowaqua Spotted Owl Mitigation Plan will be provided in the relevant sections of the Post-Construction Environmental Monitoring (PCEM) reports for Sowaqua spotted owl.	NEB_Cond_IR_No._14.10i	During Operations	Superseded by NEB Condition	38	
820	Environment	NEB	Trans Mountain commits to considering, where sufficient supplemental material and storage is available and wildfire risk guidelines allow, replacement of 75 m <sup>3</sup> /ha of coarse woody debris within the Project Footprint in the Sowaqua Spotted Owl Wildlife Habitat Area.	NEB_Cond_IR_No._14.7	During Construction	Superseded by NEB Condition	38	

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821	Environment	Fraser Valley Regional District	Trans Mountain commits to consult with the Lower Fraser Valley Air Quality Coordinating Committee commencing in Q1 2015 in the development of the Community Multi-Scale Air Quality (CMAQ) modelling plan for additional CMAQ modelling.	FVRD_IR_No._2.10, GoC_NRCan_IR_No._2.01, Metro_Vancouver_IR_No._2.3.1.	Prior to Construction	Complete		
826	Environment	Fraser Valley Regional District	Trans Mountain will engage Fraser Valley Regional District during the development of the Dust Management Plan.	FVRD_IR_No._2.18	Prior to Construction	Superseded by NEB Condition	52, 79, 85	
827	Environment	Fraser Valley Regional District	Trans Mountain will begin engagement with the Fraser Valley Regional District regarding the development of an Air Emissions Management Plan for the Westridge Marine Terminal.	FVRD_IR_No._2.19, Metro_Vancouver_IR_No._1.1.6.03i, City_Burnaby_IR_No._2.085 , City_Burnaby_IR_No._2.086 , City_Burnaby_IR_No._1.04.1.4h, City_Burnaby_IR_No._1.28.0.1c	Prior to Construction	Superseded by NEB Condition	52	
828	Environment	Fraser Valley Regional District	Trans Mountain will consult with Fraser Valley Regional District (FVRD) on the Fugitive Emissions Management Plan for those portions pertaining to Sumas Tank Terminal within FVRD.	FVRD_IR_No._2.20	Prior to Construction	Superseded by NEB Condition	54	
830	Environment	North Shore NOPE	Trans Mountain has committed to undertaking updated air quality assessments to inform engineering design.	NSNOPE_IR_No._2.03c	Prior to Construction	Complete		
831	Environment	North Shore NOPE	Trans Mountain is committed to demonstrating ongoing ability to meet the applicable ambient air quality objectives at the Westridge Marine Terminal for the final engineering design of the facilities.	NSNOPE_IR_No._2.03c	Prior to Construction	Superseded by NEB Condition	52	
832	Environment	North Shore NOPE	Trans Mountain intends to continue air quality modelling in 2015 to determine tank design, updated vapour control specifications, and any other related design change, using an iterative process.	NSNOPE_IR_No._2.03c	Prior to Construction	Complete		
833	Environment	Natural Resources Canada	Trans Mountain will update the human health risk assessment (HHRA) for the Burrard Inlet area if revisions to air dispersion modelling based on final or near final engineering design result in increases in the concentrations of air pollutants over populated areas for the Base, Application and Cumulative cases.	GoC_NRCan_F-IR_No._2.01	Prior to Operations	In Progress		
841	Environment	NEB	Trans Mountain commits to extending passive monitoring of ambient SO2 and NO2 concentrations at the Westridge Marine Terminal during operations for five consecutive years.	NEB_Cond_IR_No._18.1	During Operations	Superseded by NEB Condition	52	
842	Environment	NEB	Trans Mountain commits to filing annual reports that summarize the ambient air quality monitoring program during operations at the Westridge Marine Terminal with the NEB. These annual reports will include an assessment of the measurement results with respect to compliance with the applicable ambient air quality objectives as well as any additional mitigation measures that might result from the monitoring results.	NEB_Cond_IR_No._18.3	During Operations	Superseded by NEB Condition	52	
843	Environment	NEB	Trans Mountain commits to considering and incorporating feedback on the Condition 54 Fugitive Emissions Management Plan for Edmonton, Sumas and Burnaby Terminals, as appropriate. Where feedback or concerns will not be incorporated, Trans Mountain will respond to Aboriginal groups to explain why.	NEB_Cond_IR_No._22.4; NEB_Cond_IR_No._22.5	Prior to Construction	Superseded by NEB Condition	54	

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844	Environment	NEB	Trans Mountain commits to updating the Westridge Marine Terminal Environmental Facility Drawing to include the location of any stick nests found in the area prior to clearing, along with appropriate no disturbance buffers delineated.	NEB_Cond_IR_No._25.13	Prior to Construction	Superseded by NEB Condition	81	
845	Environment	NEB	Trans Mountain commits to updating the Westridge Marine Terminal Environmental Protection Plan and alignment sheets to include mitigation measures outlined in the Bald Eagle Nest Management Plan.	NEB_Cond_IR_No._25.13	Prior to Construction	Superseded by NEB Condition	81	
846	Environment	Strata NW 313	In addition to construction management personnel, Trans Mountain will have construction and Environmental inspectors in place during construction to ensure Environmental Protection Plan (EPP) measures are implemented as needed and as committed to.	Strata_NW313_IR_No._2.03 b	During Construction	Superseded by NEB Condition	72, 78, 81	
848	Environment	NEB	Trans Mountain commits to updating the Westridge Marine Terminal Environmental Protection Plan to include changes to proposed mitigation measures resulting from concerns raised by Environment and Climate Change Canada in the May 30, 2017 filing of ECCC-CWS Additional Comments on Trans Mountain Expansion Project Management and Mitigation Plans.	NEB_Cond_IR_No._25.14	Prior to Construction	Superseded by NEB Condition	81	
849	Environment	NEB	During construction at the WMT, Trans Mountain commits to installing and maintaining permanent deterrent devices to prevent birds from nesting in areas that could cause damage or danger to infrastructure, or injury to the birds themselves. Nest deterrents will be installed outside of the primary nesting period (March 26 to August 17) for migratory birds, as per Environment and Climate Change Canada guidelines, and may include visual, physical, or energized deterrents depending on the type of infrastructure.	NEB_Cond_IR_No._25.14	During Construction	Superseded by NEB Condition	81	
853	Environment	Stk'emlupsemc Te Secwepemc	Trans Mountain will implement mitigation to ensure Project personnel are prohibited from fishing on Jacko Lake during construction activities and efforts will be made to provide continuous access to Jacko Lake.	SSN_IR_No._2.10.01	Prior to Construction	In Progress		
855	Environment	Stk'emlupsemc Te Secwepemc	Trans Mountain will ensure that an appropriately qualified professional will conduct any nest sweeps or species-specific surveys on Stk'emlupsemc Te Secwepemc Nation (SSN) territory.	SSN_IR_No._2.32	Prior to Construction	Superseded by NEB Condition	72, 44	
856	Environment	Stk'emlupsemc Te Secwepemc	Trans Mountain will include Stk'emlupsemc Te Secwepemc Nation (SSN) in discussions with BC Ministry of Forests, Lands and Natural Resource Operations if sensitive species are found within SSN territory.	SSN_IR_No._2.32	Prior to Construction	In Progress		
857	Environment	Samson Cree Nation	Trans Mountain is committed to continued engagement with Aboriginal groups when the Reclamation Management Plan is being finalized.	Samson_Cree_Nation_IR_No._2.1.4a	Prior to Construction	Superseded by NEB Condition	72, 78, 81	
858	Environment	Samson Cree Nation	The Reclamation Management Plan will be developed in consultation with Aboriginal communities, landowners and applicable Crown land managers.	Samson_Cree_Nation_IR_No._2.1.4c	Prior to Construction	Superseded by NEB Condition	72, 78, 81	
860	Environment	Squamish Nation	Trans Mountain will conduct a crab salvage program prior to the commencement of dredging (if dredging is required).	Squamish_Nation_IR_No._2.05.p	During Construction	Superseded by NEB Condition	35	
867	Environment	New Democratic Party of Canada	To ensure that the sub tidal rock reef is successful and meets Fisheries and Oceans Canada's (DFO's) policy of maintaining or improving the productivity and sustainability of commercial, recreational or Aboriginal (CRA) fisheries, Trans Mountain will monitor the reef annually for five years.	NDP_IR_No._2.1.7.b	During Operations	Superseded by NEB Condition	109	

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872	Environment	NEB	Trans Mountain commits to submitting an updated Worker Accommodation Strategy incorporating and clearly showing changes regarding the Clearwater and Cheam camps that are included in the responses to NEB Condition IR 54.2 and 54.3. The updated Worker Accommodation Strategy will be filed prior to construction.	NEB_Cond_IR_No._54.1	Prior to Construction	Complete		
873	Environment	Cheam First Nation and Chawathil First Nation	Cheam First Nation and Chawathil First Nation are jointly conducting independent, third-party Traditional Land and Resource Use (TLRU) studies. Upon receipt of the reports, Trans Mountain will incorporate the results into project planning and the Environmental Alignment Sheets as appropriate.	Cheam_and_Chawathil_FN_IR_No._2(b).1.3.b	Prior to Construction	Superseded by NEB Condition	97	
877	Environment	Vancouver Fraser Port Authority DBA Port Metro Vancouver	If it is identified during the development of the construction specifications for Westridge Marine Terminal (WMT) that abrasive blasting or coating will be required over water, Trans Mountain will consult with Vancouver Fraser Port Authority DBA Port Metro Vancouver Environmental Programs Department staff to develop appropriate controls. Any controls will be included in the WMT Environmental Protection Plan (EPP).	PMV_IR_No._2.05a	Prior to Construction	Superseded by NEB Condition	81	
879	Environment	Vancouver Fraser Port Authority DBA Port Metro Vancouver	At all times during construction, Trans Mountain will have a construction management and inspection team located at Westridge Marine Terminal (WMT), responsible for monitoring and enforcing compliance with the Environmental Protection Plan (EPP). It is anticipated that during high activity periods, a dedicated environmental inspector will be assigned to the construction management and inspection team.	PMV_IR_No._2.05a	During Construction	Superseded by NEB Condition	81	
880	Environment	Vancouver Fraser Port Authority DBA Port Metro Vancouver	If an impact or hydraulic hammer is used for in-water pile installation, Trans Mountain will monitor both underwater pressure levels (measured in kPa) and underwater sound levels (measured in dB) during pile driving.	PMV_IR_No._2.07a	During Construction	Superseded by NEB Condition	81	
881	Environment	Vancouver Fraser Port Authority DBA Port Metro Vancouver	Trans Mountain will consult with Vancouver Fraser Port Authority DBA Port Metro Vancouver (PMV) if disposal of sediment on PMV lands or water is proposed.	PMV_IR_No._2.07c	Prior to Construction	Superseded by NEB Condition	35	
882	Environment	Vancouver Fraser Port Authority DBA Port Metro Vancouver	Trans Mountain will consult Vancouver Fraser Port Authority DBA Port Metro Vancouver and Environment Canada (EC), in relation to disposal options, when the volume and chemical and physical properties of contaminated sediment are known.	PMV_IR_No._2.08	Prior to Construction	Superseded by NEB Condition	35	
883	Environment	NEB	Trans Mountain commits to updating the Board if any further consultation feedback resulting in outstanding issues and concerns is received regarding the final Clearwater camp site (CLE011).	NEB_Cond_IR_No._54.2	Prior to Construction	Superseded by NEB Condition	59	
884	Environment	Vancouver Fraser Port Authority DBA Port Metro Vancouver	Trans Mountain will endeavour to meet with Vancouver Fraser Port Authority DBA Port Metro Vancouver (PMV) in spring 2015 to discuss the proposed pre-construction survey and other aspects of the Preliminary Marine Fish Habitat Offsetting Plan. Trans Mountain will ensure that PMV is afforded the opportunity to be included in any upcoming discussions with Fisheries and Oceans Canada. If Trans Mountain proceeds with construction of the proposed sub tidal reef, PMV will be copied on the compliance and effectiveness monitoring reports, and will be included in the planning for any required corrective actions that might arise out of the monitoring.	PMV_IR_No._2.14	Prior to Construction	Superseded by NEB Condition	109	

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885	Environment	Vancouver Fraser Port Authority DBA Port Metro Vancouver	Trans Mountain will implement marine fish habitat offsetting measures to offset any serious harm to fish that are part of, or support, commercial, recreational or Aboriginal (CRA) fisheries.	PMV_IR_No._2.15a	Prior to Construction	Superseded by NEB Condition	109	
888	Environment	NEB	Trans Mountain will develop an Aboriginal Monitors plan.	Pre-Application Project Description, p 44, 45.	Prior to Construction	Superseded by NEB Condition	98	
889	Environment	Vancouver Fraser Port Authority DBA Port Metro Vancouver	Trans Mountain commits to working with Vancouver Fraser Port Authority DBA Port Metro Vancouver (PMV) to develop an Air Management Plan that is consistent with the requested level of detail from PMV as part of PMV's permit application process.	PMV_IR_No._2.24	Prior to Construction	Superseded by NEB Condition	52	
890	Environment	Vancouver Fraser Port Authority DBA Port Metro Vancouver	Trans Mountain commits to providing emissions and dispersion modelling results for a Future without Project Scenario, consistent with the requested pollutants and averaging periods from Vancouver Fraser Port Authority DBA Port Metro Vancouver (PMV), as part of PMV's permit application process.	PMV_IR_No._2.25	Prior to Construction	Superseded by Management Plan		
891	Environment	Vancouver Fraser Port Authority DBA Port Metro Vancouver	Trans Mountain commits to providing annual emissions for the requested contaminants in the Base Case, Application Case, Project Effects and Cumulative Case, and consistent with the requested level of detail, as part of Vancouver Fraser Port Authority DBA Port Metro Vancouver's permit application process.	PMV_IR_No._2.25	Prior to Construction	Superseded by NEB Condition	52, 79	
892	Environment	Vancouver Fraser Port Authority DBA Port Metro Vancouver	Trans Mountain commits to providing maximum predicted concentrations for all applicable averaging periods for the Background, Burnaby Terminal, Westridge Marine Terminal, Marine and Total, consistent with the requested level of detail and methodology from Vancouver Fraser Port Authority DBA Port Metro Vancouver (PMV), as part of the PMV permit application process.	PMV_IR_No._2.25	Prior to Construction	Complete		
894	Environment	Shxw'owhámel First Nation	In the event of a leak or rupture from a pipeline or facility within Shxw'owhámel First Nation(SFN) Traditional Territory, Trans Mountain Pipeline ULC (Trans Mountain) will follow the remedial steps outlined in the National Energy Board (NEB) Remediation Process Guide (2011) to ensure that the groundwater contamination is remediated to applicable remediation standards.	SFN_IR_No._2.5.1e2	Prior to Operations	Superseded by Management Plan		
895	Environment	Sto:lo Collective	All sensitive resources identified on the Environmental Alignments Sheets and Environmental tables within the immediate vicinity of the right-of-way will be clearly marked before the start of clearing. Trans Mountain will: <ul style="list-style-type: none"> <li>• provide Aboriginal communities with the anticipated construction schedule and proposed pipeline corridor maps, a minimum of two weeks prior to the start of construction in the vicinity of their respective communities.</li> </ul>	Sto_Lo_Collective_IR_No._2.1.2	Prior to Construction	Superseded by NEB Condition	72	
902	Environment	Metro Vancouver	Trans Mountain gathered new information in 2014 and will conduct additional measurements of volatile organic compounds (VOCs) emissions during the tanker loading at the Westridge Marine Terminal for a variety of crude oil products in 2015.	Metro_Vancouver_IR_No._2.1.03	Prior to Construction	Complete		
903	Environment	Metro Vancouver	The Google Earth file including all modeled buildings and stacks in Burnaby Terminal and Westridge Marine Terminal for Base Case will be provided directly to Metro Vancouver on a USB stick. Trans Mountain will also provide these files to the National Energy Board and any other Intervenor on request.	Metro_Vancouver_IR_No._2.1.08b	Prior to Construction	Complete		



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904	Environment	Metro Vancouver	Trans Mountain has committed to be under all applicable ambient air quality objectives and they are committed to mitigate to the appropriate emission levels and stack design to achieve those predicted concentrations. Trans Mountain has also committed to resolve the variability in the Volatile Organic Compound (VOC) measurements and refine the HYSYS model by Q2, 2015 by: <ul style="list-style-type: none"> <li>• undertaking additional sampling surveys at Westridge Marine Terminal;</li> <li>• selecting the most reliable VOC dataset;</li> <li>• re-running the calibrated HYSYS model to re-calculate Project VOC emissions;</li> <li>• re-running the CALPUFF dispersion model to demonstrate that predicted concentrations will continue to be less than the ambient objectives; and,</li> <li>• matching the needed level of emission control with the appropriate equipment package.</li> </ul>	Metro_Vancouver_IR_No._2.1.10a	Prior to Construction	Complete		
908	Environment	Metro Vancouver	Trans Mountain will conduct annual combustion efficiency testing of the Westridge Marine Terminal existing and proposed VCU.	Metro_Vancouver_IR_No._2.2.1b	During Operations	Superseded by NEB Condition	53	
909	Environment	Metro Vancouver	Trans Mountain will consult with the Lower Fraser Valley Air Quality Coordinating Committee commencing in Q1 2015 in the development of the Community Multi-Scale Air Quality (CMAQ) modelling plan for additional CMAQ modelling.	Metro_Vancouver_IR_No._2.3.1, GoC_NRCan_IR_No._2.01, FVRD_IR_No._2.10.	Prior to Construction	Complete		
910	Environment	Metro Vancouver	Reclamation at fish-bearing watercourses, including riparian areas, will be conducted to stabilize the bed and banks, riparian areas and approach slopes.	Metro_Vancouver_IR_No._2.7.2a	During Construction	Superseded by NEB Condition	71, 72	
913	Environment	Metro Vancouver	Trans Mountain, in cooperation with local communities, Aboriginal groups, regulatory authorities, and other stakeholders is committed to exploring ways through the Environmental stewardship program to help further recovery of fish habitat that may be affected by TMEP activities in or near the Brunette Fraser Greenway.	Metro_Vancouver_IR_No._2.7.6b	Prior to Construction	In Progress		
915	Environment	Metro Vancouver	Trans Mountain, is willing to work in cooperation with Metro Vancouver as well as other local government, Aboriginal groups, regulatory authorities, and other stakeholders to explore ways to help further the recovery of aquatic ecosystems and species at risk that may be affected by TMEP activities in Surrey Bend Park, near Brunette River Greenway.	Metro_Vancouver_IR_No._2.7.6c	Prior to Construction	Superseded by NEB Condition	7	
916	Environment	Metro Vancouver	Trans Mountain will provide the requested CALMET input files, which were used in the Terrestrial assessment, directly to Metro Vancouver (and the National Energy Board or any other Intervenor upon request) via USB memory stick.	Metro_Vancouver_IR_No._2.1.04d	Prior to Construction	Complete		
917	Environment	Metro Vancouver	Trans Mountain will provide the requested 12 monthly CALMET input files, which were used in the Marine assessment, directly to Metro Vancouver (and the National Energy Board or any other Intervenor upon request) via USB memory stick.	Metro_Vancouver_IR_No._2.1.04e	Prior to Construction	Complete		
918	Environment	Metro Vancouver	Trans Mountain will provide the requested 5 seasonal geo-data files, which were used in the Terrestrial assessment, directly to Metro Vancouver (and the National Energy Board or any other Intervenor upon request) via USB memory stick.	Metro_Vancouver_IR_No._2.1.04f	Prior to Construction	Complete		
919	Environment	Metro Vancouver	Trans Mountain will provide the requested .data files directly to Metro Vancouver via USB memory stick.	Metro_Vancouver_IR_No._2.1.04g	Prior to Construction	Complete		

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929	Environment	Simon Fraser University	Trans Mountain is committed to meeting the applicable ambient air quality objectives at the Westridge Marine Terminal and this is the primary criterion for determining tank design and vapour control configurations.	SFU_IR_No._2.5.10.1	Prior to Construction	Superseded by NEB Condition	52, 53	
930	Environment	Simon Fraser University	Resource specific mitigation measures, as appended to the Facilities Environmental Protection Plan (EPP), will be provided in the Issued for Construction version of the Facilities EPP.	SFU_IR_No._2.5.18.1	Prior to Construction	Superseded by NEB Condition	78	
936	Environment	Tsawout First Nation	Trans Mountain will consider additional issues and concerns, traditional use sites, or features identified through ongoing engagement with Tsawout First Nation for incorporation into Project planning under the guidance of existing marine transport regulations and mitigation recommendations made to date.	Tsawout_FN_IR_No._2.55b	Prior to Construction	In Progress		
940	Environment	NEB	Trans Mountain will update the NEB if any further consultation feedback resulting in outstanding issues and concerns is received regarding the Fraser Valley/Cheam camp site (CHE053).	NEB_Cond_IR_No._54.3	Prior to Construction	Superseded by NEB Condition	59	
942	Environment	NEB	Trans Mountain commits to incorporating any future Project footprint updates within caribou range into the quantitative metrics to be completed for the Preliminary Offset Measures Plan (OMP) (NEB Condition 128a), which requires a quantification of the area of caribou habitat directly and indirectly disturbed. (Spread 3)	NEB_Cond_IR_No._60.1	Prior to Operations	Scoping		
943	Environment	Peters Band	Trans Mountain will monitor areas of known and potential contamination during construction. In the event contamination is discovered during construction, the Contamination Discovery Contingency Plan will be implemented (Appendix B of the Pipeline Environmental Protection Plan [Volume 6B; Filing ID A3S2S3] and Facilities Environmental Protection Plan [Volume 6C; Filing ID A3S2S6]).	Peters_Band_IR_No._2(b).2.4b	During Construction	Superseded by NEB Condition	46, 72, 78, 81	
944	Environment	Peters Band	Trans Mountain will be updating the preliminary inventories and re-assessing potentially contaminated areas prior to construction based on the final project footprint.	Peters_Band_IR_No._2(b).2.4	Prior to Construction	Superseded by NEB Condition	46	
945	Environment	Peters Band	Trans Mountain is willing to investigate the use of chemical monitoring of groundwater should contamination be discovered during construction of the Project.	Peters_Band_IR_No._2(b).2.5b	Prior to Operations	Superseded by NEB Condition	46, 72	
947	Environment	Peters Band	Herbicide application will be monitored shortly after treatment for effectiveness of the treatment and impact on the environment.	Peters_Band_IR_No._2(b).2.5c	Project Lifecycle	Superseded by NEB Condition	45	
949	Environment	Peters Band	In the event of groundwater contamination caused by the Trans Mountain Pipeline system, Trans Mountain will work with the leadership of the Peters Band to identify surplus capacity from other drinking water sources in the area, while suitable interim water supply replacement alternatives are established and implemented.	Peters_Band_IR_No._2(b).3.12	Project Lifecycle	Superseded by Management Plan		
951	Environment	Georgia Strait Alliance	Trans Mountain will consult with potentially affected communities, Aboriginal groups, local and regional authorities, and service providers regarding the Socio-Economic Effects Monitoring Plan.	Georgia_Strait_Alliance_IR_No._2(b).12c	Prior to Construction	Superseded by NEB Condition	13	
954	Environment	NEB	In the event that a contingency crossing of the Raft River is required, Trans Mountain commits to completing a quantitative pre-construction habitat assessment of the Project Footprint for the contingency route.	NEB_Cond_IR_No._60.1	Prior to Construction	Scoping		

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1,001	Environment	NEB	Trans Mountain has followed up with Ministry of Forests, Lands, Natural Resource Operations & Rural Development for further information regarding mineral licks, and commits to updating Environment and Climate Change Canada-Canadian Wildlife Service if additional information is provided. (Spread 3)	NEB_Cond_IR_No._60.1	Prior to Construction	Scoping		
1,291	Environment	City of Burnaby	Trans Mountain commits to field-verifying the status of the heron colony near Westridge Marine Terminal prior to construction, in either 2014 or 2015.	City_Burnaby_F-IR_No._1.27.08b	Prior to Construction	Complete		
1,311	Environment	Fraser Valley Watersheds Coalition	Prior to construction, Trans Mountain will engage the Fraser Valley Watersheds Coalition and other interested stakeholder groups on construction-related mitigation measures and restoration plans for the Stewart Creek site on the pipeline right-of-way. Specific restoration measures will be incorporated into the Pipeline Environmental Protection Plan and associated volumes.	FVWC_IR_No._1.4.2	Prior to Construction	Complete		
1,312	Environment	Fraser Valley Watersheds Coalition	Trans Mountain commits to working cooperatively to plan restoration where any disturbance of a Fraser Valley Watershed Coalition restoration project is required.	FVWC_IR_No._1.4.3	Project Lifecycle	Scoping		
1,328	Environment	Brian Kingman	Mitigation for raptor nests on the Kingman property will include the following: <ul style="list-style-type: none"> <li>• Avoid the timing window for red-tailed hawk (January 26 to August 10) and bald eagle (January 5 to August 31) if possible.</li> <li>• In the event, clearing and construction activity will occur within this timing window, a site visit will be conducted to determine the status of the nest (i.e., active or inactive), to confirm the species of raptor, and the location of the nest relative to the proposed pipeline right-of-way.</li> <li>• In the event an active raptor nest is found, a Nest Management Plan addressing various mitigation (including nest monitoring during the breeding period) is recommended.</li> </ul>	Kingman_B_IR_No._1.3a	During Construction	In Progress		
1,329	Environment	Brian Kingman	Trans Mountain will conduct a site visit to determine the status of the nest (i.e., active or inactive), to confirm the species of raptor, and the location of the nest relative to the proposed pipeline right-of-way.	Kingman_B_IR_No._1.3a	During Construction	In Progress		
1,394	Environment	Natural Resources Canada	Trans Mountain will commit to re-visiting the Human Health Risk Assessment (HHRA), if the final engineering design results in material increases to the predicted concentrations due to the Project and these changes could reasonably affect human health.	GoC_NRCan_IR_No._2.01	Prior to Construction	Complete		
1,406	Environment	NEB	Trans Mountain commits to incorporating any future Project footprint updates within caribou range into the quantitative metrics to be completed for the Preliminary Offset Measures Plan (OMP) (NEB Condition 128a), which requires a quantification of the area of caribou habitat directly and indirectly disturbed. (Spread 4)	NEB_Cond_IR_No._60.1	Prior to Operations	Scoping		
1,407	Environment	NEB	Trans Mountain has followed up with Ministry of Forests, Lands, Natural Resource Operations & Rural Development for further information regarding mineral licks, and commits to updating Environment and Climate Change Canada-Canadian Wildlife Service if additional information is provided. (Spread 4)	NEB_Cond_IR_No._60.1	Prior to Construction	Scoping		

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1,433	Environment	C.G.L.A.P. - Collaborative Group of Landowners Affected by Pipelines	Trans Mountain will retain an independent Professional Agrologist to lead the post-construction Environmental monitoring program and assist in determining crop yields and quality. Trans Mountain will select a qualified professional agrologist with experience in assessment of crops that will be encountered in the Fraser Valley on farm lands affected by pipeline construction. Potential candidates for the position will require qualifications that include: Registered Professional Agrologist with experience in construction methods for linear utility projects, familiarity with the crops and agricultural conditions of the Fraser Valley, and experience in crop monitoring techniques.	CGLAP_IR_No._1.4c	During Operations	Scoping		
1,471	Environment	Val Veirs; Metro Vancouver; New Democratic Party of Canada; NEB	Three months prior to the start of pile installation, a draft Marine Mammal Protection Program will be developed and submitted to the National Energy Board (NEB) for review. This draft will include further details on construction mitigation and the monitoring program, as well as an update on the status of the marine transportation collaborative initiatives, including a summary of all consultation activities to date, and planned 'next steps'. Copies will also be made available to appropriate regulatory authorities, Aboriginal communities, and other interested stakeholders for comment. The Marine Mammal Protection Program will be a living document and, therefore, may go through multiple iterations over the life of the Project as the various programs develop over time; all updates will be filed with the NEB.	NEB_IR_No._1.56, Metro_Vancouver_IR_No._1.1.5.07.1, NDP_IR_No._1.1.8f, Veirs_V_IR_No._1.2	Prior to Construction	Superseded by NEB Condition	132	
1,601	Environment	Sto:lo Collective	A copy of the draft Archaeological Impact Assessment (AIA) final report will be forwarded in confidence to the Sto:lo Collective for review, comment and proposed edits before submission of the report to British Columbia Ministry of Forests, Lands and Natural Resource Operations (BC MFLNRO) Archaeology Branch. Once accepted by BC MFLNRO Archaeology Branch, a copy of the final AIA report will be forwarded in confidence to the Sto:lo Collective.	Sto:lo Collective Attachment - Table 3a	Prior to Construction	Complete		
1,612	Environment	Sto:lo Collective	As part of the workshop series described in the response to Recommendation 2, Trans Mountain will offer a focused workshop to review the draft Environmental Protection Plan (EPP) and Environmental Alignment Sheets (EAS). Trans Mountain will submit up to date versions of the EPP and EAS to Sto:lo representatives.	Sto:lo Collective Recommendation #3	Prior to Construction	In Progress		
1,616	Environment	Sto:lo Collective	As part of the workshop series described in the response to Recommendation 2 Trans Mountain will include the subjects of aquatics and water crossings.	Sto:lo Collective Recommendation #9, #21	Prior to Construction	No Longer Applicable		
1,620	Environment	Sto:lo Collective	Where water quality monitoring fails to meet the parameters of established guidelines and is not in compliance with regulatory requirements, Trans Mountain will report the incident to Sto:lo representatives within the requested timeframe.	Sto:lo Collective Recommendation #11	During Construction	Superseded by NEB Condition	72	
1,621	Environment	Sto:lo Collective	Trans Mountain remains committed to ongoing engagement with Sto:lo representatives to discuss the inclusion of existing Sto:lo knowledge into the updated EPPs for the Project.	Sto:lo Collective Recommendation #12	Prior to Construction	In Progress		
1,622	Environment	Sto:lo Collective	Trans Mountain's procurement team and Chief Environmental Inspector will discuss the requirements and existing capacity re: qualified monitoring personnel and services with the Sto:lo representatives.	Sto:lo Collective Recommendation #13, #14, #26, #40, #41, #52	Prior to Operations	Superseded by NEB Condition	98	

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1,625	Environment	Sto:lo Collective	If clearing in Old Growth Management Areas (OGMAs) within the S'ólh Téméxw becomes an approved construction requirement, Trans Mountain will discuss Sto:lo's desire to salvage cedar with the OGMA regulator and the terms for commercial harvest will be negotiated.	Sto:lo Collective Recommendation #28	Prior to Construction	Superseded by NEB Condition	76	
1,627	Environment	Sto:lo Collective	Trans Mountain welcomes the opportunity to discuss the development and operation of businesses and or greenhouses that can be used to propagate native plants.	Sto:lo Collective Recommendation #33	Prior to Construction	In Progress		
1,628	Environment	Sto:lo Collective	Trans Mountain will discuss the opportunity for Sto:lo participation in pre-construction weed surveys.	Sto:lo Collective Recommendation #35	Prior to Construction	No Longer Applicable		Weed surveys were not conducted at (WMT, Spread 6, Spread 7) in 2016 or 2017. (Because of the data already collected in previous vegetation surveys, separate weed surveys were not required).
1,629	Environment	Sto:lo Collective	Trans Mountain will provide advance notification of planned herbicide application to the Sto:lo representatives.	Sto:lo Collective Recommendation #37	Project Lifecycle	Superseded by NEB Condition	45	
1,630	Environment	Sto:lo Collective	Trans Mountain will continue to engage Stó:lō representatives through all phases of the Project. Vegetation monitoring is part of the Post Construction Environmental Monitoring (PCEM) program and vegetation re-establishment will be compared to a similar reference plant community located adjacent to, or within, the vicinity of the construction right-of-way and pre-construction conditions. Discuss the opportunity for Stó:lō participation and input into the planned monitoring scheduled .	Sto:lo Collective Recommendation #38, 39	During Operations	In Progress		
1,634	Environment	Sto:lo Collective	Trans Mountain will recognize places names (such as on Project maps, signs and fencing) during the construction of the Project.	Sto:lo Collective Recommendation #45	During Construction	In Progress		
1,635	Environment	Sto:lo Collective	Trans Mountain will develop and implement an environmental education program to ensure that all personnel working on the construction of the Project are informed of the location of known Traditional Land Use (TLU) sites.	Sto:lo Collective Recommendation #49,	Prior to Construction	Superseded by NEB Condition	72	
1,636	Environment	Sto:lo Collective	Trans Mountain welcomes the opportunity to discuss the establishment of infrastructure and capacity for Sto:lo to implement on-going processes of air and water quality monitoring.	Sto:lo Collective Recommendation #53	Prior to Construction	Superseded by NEB Condition	98	
1,637	Environment	Sto:lo Collective	Trans Mountain welcomes the opportunity to discuss infrastructure and capacity for Sto:lo heritage resource management technical involvement as construction monitors, to ensure protection of sites, and to ensure Sto:lo practices are maintained.	Sto:lo Collective Recommendation #54	Prior to Construction	Superseded by NEB Condition	98	
1,648	Environment	Sto:lo Collective	During the construction phase, Trans Mountain will discuss any unanticipated adverse effects on Sto:lo businesses related to the construction of the Project during the mutually agreed to on-going engagement between Sto:lo and Trans Mountain. Additional mitigation will be developed, as required, if and as such adverse effects are identified.	Sto:lo Collective Recommendation #71	During Construction	Superseded by NEB Condition	13	

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1,652	Environment	Sto:lo Collective	As discussed in the response to NEB IR No. 1.17d1 (Filing ID A3W9H8), Trans Mountain will develop policies and/or guidance in the following areas, related to limiting adverse interactions between Project workers and local communities: <ul style="list-style-type: none"> <li>• the use of local recreational, social, and retail facilities and services, including outdoor recreation areas, in smaller construction hub communities;</li> <li>• the use of local and regional medical and social services.</li> <li>• the use of firearms, hunting, or fishing by Project workers.</li> <li>• after-hours worker conduct.</li> <li>• damage to property.</li> <li>• conduct in parks and protected areas.</li> <li>• respectful behaviour/harassment.</li> </ul>	Sto:lo Collective Recommendation #75, #78	During Construction	Complete		
1,653	Environment	Sto:lo Collective	Trans Mountain will establish and enforce a policy whereby workers who disregard mitigation measures will be subjected to appropriate disciplinary measures including, if appropriate, removal from the work site and/or dismissal.	Sto:lo Collective Recommendation #75, #78	During Construction	Complete		
1,658	Environment	Sto:lo Collective	Trans Mountain will include the worker Code of Conduct, which will contain a number of areas related to the protection of public health issues in the Worker Accommodate strategy, to be filed with the NEB for approval, at least 6 months prior to construction.	Sto:lo Collective Recommendation #86	Prior to Construction	Superseded by NEB Condition	13, 59	
1,663	Environment	Landowner - Javier and Annemarie Sarango	Trans Mountain is committed to adding the water well located on the Mr. and Mrs. Sarango's property to the Water Well Inventory.	NEB_Route_Hearing_Transcript_Seg_1_&_2_Vol_8_paragraph_8807  NEB_Route_Hearing_Decision_Seg_1_&_2_Javier&AnnemarieSarango_Sec_3	Prior to Construction	In Progress		
1,681	Environment	Landowner - Dianne Murray	Trans Mountain is committed to confirming the presence and location of Dianne Murray's water well, and ensuring that it is included in the Water Well Inventory.	NEB_Route_Hearing_Decision_Seg_1_&_2_DianneMurray_Sec_3	Prior to Construction	In Progress		
1,683	Environment	Landowner - Stuart Palk and Wendy Bailer Palk	Trans Mountain is committed to adding Mr. Palk and Ms. Bailer Palk's water well to the Water Well Inventory.	NEB_Route_Hearing_Transcript_Seg_1_&_2_Vol_3_paragraph_2213-2214,2217  NEB_Route_Hearing_Decision_Seg_1_&_2_StuartPalk_&_WendyBailerPalk_Sec_3	Prior to Construction	In Progress		
1,684	Environment	NEB	Trans Mountain commits to completing supplemental surveys for weeds at selected locations.	Route_Variance_Edm_LRT_Application_pg5	Prior to Construction	In Progress		
1,685	Environment	NEB	Trans Mountain commits to updating the Project weed database with the field results of the supplemental weed surveys conducted in association with the Edmonton LRT Route Realignment.	Route_Variance_Edm_LRT_Application_pg5	Prior to Construction	In Progress		
1,686	Environment	NEB	Trans Mountain commits to conducting field surveys for an Archaeological Impact Assessment, in the area associated with the Westsyde Road Route Realignment, in 2017.	Route_Variance_Westsyde_Road_Application_pg4	Prior to Construction	Complete		

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1,687	Environment	NEB	Trans Mountain commits to conducting supplemental rare plant survey work to identify the potential for Roell's brotherella moss, in the area associated with the Kawkawa Lake IR route realignment, in 2017.	Route_Variance_Kawkawa_Lake_IR_Application_pg3	Prior to Construction	Complete		
1,688	Environment	NEB	Trans Mountain commits to conducting field surveys for an Archaeological Impact Assessment, in the area associated with the Kawkawa Lake IR Route Realignment, in 2017.	Route_Variance_Kawkawa_Lake_IR_Application_pg3	Prior to Construction	In Progress		
1,689	Environment	NEB	Trans Mountain commits to conducting field surveys for an Archaeological Impact Assessment, in the area associated with the Sumas Tank Farm Route Realignment, in 2017.	Route_Variance_Sumas_Tank_Farm_Application_pg4	Prior to Construction	In Progress		
1,690	Environment	NEB	Trans Mountain commits to conducting supplemental rare plant survey work to identify the potential for Roell's brotherella moss, in the area associated with the Sumas Tank Farm Route Realignment, in 2017.	Route_Variance_Sumas_Tank_Farm_Application_pg4	Prior to Construction	Complete		
1,691	Environment	NEB	Trans Mountain commits to completing supplemental weed surveys in the area associated with the Sumas Tank Farm Route Realignment, in 2017.	Route_Variance_Sumas_Tank_Farm_Application_pg4	Prior to Construction	In Progress		
1,692	Environment	NEB	Trans Mountain commits to updating the Project weed database with the field results of the supplemental weed surveys conducted in the area associated with the Sumas Tank Farm Route Realignment, in 2017.	Route_Variance_Sumas_Tank_Farm_Application_pg4	Prior to Construction	In Progress		
1,720	Environment	NEB	Trans Mountain commits to conducting field surveys for an Archaeological Impact Assessment, in the area associated with the Chilliwack BC Hydro Route Realignment, in 2017.	Route_Variance_Chilliwack_BC_Hydro_Application_pg1_1	Prior to Construction	In Progress		
1,722	Environment	NEB; Waterwealth Project	Trans Mountain commits to updating Section 7.0 of the Pipeline Environmental Protection Plan, with the following measure "Utilize biodegradable hydraulic fluid in equipment working between Silverthorne Road (adjacent to KP 1091.8) and Watson Road (KP 1094.12)" will be updated to: "Utilize biodegradable hydraulic fluid on heavy equipment during pipeline installation when working in the Vedder Fan Aquifer (KP 1091.6 to KP 1105.6)".	Route_Variance_Chilliwack_BC_Hydro_NEB_IR_1.4 Route_Variance_Chilliwack_B_Waterwealth_IR_1.2	Prior to Construction	Complete		
1,723	Environment	NEB	Trans Mountain commits to submitting the updated Environmental Alignment Sheets that include the mitigation measures related to protection of the Vedder Fan Aquifer, to the NEB under a separate cover.	Route_Variance_Chilliwack_BC_Hydro_NEB_IR_1.4	Prior to Construction	Complete		
1,731	Environment	City of Chilliwack	Trans Mountain commits to issuing the draft version of the Sardis-Vedder Aquifer Conceptual Model report, as the final version.	Route_Variance_Chilliwack_BC_Hydro_City_of_Chilliwack_IR_1.2.1b	Prior to Construction	Complete		
1,735	Environment	NEB	Trans Mountain commits to fulfilling the three recommendations in the S'ólh Téméxw Stewardship Alliance (STSA) Cultural Heritage Overview Assessment (CHOA) report for the Chilliwack BC Hydro route realignment, which included: 1) finalizing the surface survey for the Study Area to (a) examine for surface materials and areas of subsurface potential, and (b) identify areas requiring deep testing; 2) conducting shovel testing and augering where necessary.	Route_Variance_Chilliwack_BC_Hydro_Decision_Sec_5.5.4	Prior to Construction	Scoping		

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1,761	Environment	Landowners - Burnaby Residents (Holly Chan, Steve Cook, Karim and Anar Dossa, Lily and Frank Fan, Claudia Leung and Michael Radano)	Trans Mountain commits to: 1. planting trees at a higher density compared with Trans Mountain's standard reclamation plans; 2. using larger nursery stock during replanting efforts; 3. undertaking a windthrow assessment in relation to the treed buffer between the Residents and Shell property.	NEB_Route_Hearing_Decision_Seg_7_BurnabyResidents_Sec_2.3	During Construction	Addressed by Construction Line List		
1,763	Environment	City of Burnaby	Trans Mountain commits to: 1. providing alternate access for the Burnaby Mountain Urban Trail where it would be crossed and temporarily unavailable; 2. working with Burnaby to narrow the cleared areas for the access and the access road for operations for the Shellmont location.	NEB_Route_Hearing_Decision_Seg_7_CityofBurnaby_Sec_9	During Construction	Addressed by Construction Line List		
1,764	Environment	City of Burnaby	Trans Mountain commits to completing its Tree Management Plan for Burnaby prior to construction.	NEB_Route_Hearing_Decision_Seg_7_CityofBurnaby_Sec_9	Prior to Construction	In Progress		
1,767	Environment	NEB	Trans Mountain ULC and Stantec commits to collaborating with Stó:lō Research and Resource Management Centre and the Ts'elxwéyeqw Tribe to develop specific management measures for the Sxwóxwiyám and the Halq'eméylem Place Name recorded within the Study Area.	Route_Variance_Chilliwack_BC_Hydro_Decision_Sec_5.5.4	Prior to Construction	Scoping		
1,804	Environment	NEB	Trans Mountain has also committed to developing additional steps for the preservation of the topsoil on Yarrow Ecovillage's organic farm in cooperation with the landowners and land users as well as the Organic Certification Board.	Revised Final Argument s. 7.2.1.2 p237	Prior to Construction	In Progress		
1,915	Environment	NEB	Trans Mountain commits to monitor disturbed riparian habitat at all defined watercourses crossed by the Project under the Riparian Habitat Management Plan (RHMP) that: have a high or moderate reclamation target; are within critical habitat for species under Schedule 1 of the Species at Risk Act; are classified as High Sensitivity fish-bearing; or are within watersheds with a riparian habitat disturbance threshold > 18%.	NEB_Cond_IR_No._52.1	During Operations	Superseded by NEB Condition	71	
1,947	Environment	Sto:lo Collective	Trans Mountain will develop a Code of Conduct for employees and Contractors that provides guidance and policies on appropriate and inappropriate worker behaviour and community interactions.	Sto:lo Collective Recommendation #86	Prior to Construction	Superseded by NEB Condition	59	
1,960	Environment	BC Ministry of Forests Lands and Natural Resource Operations (MFLNRO)	Trans Mountain will ensure that the damage caused to sensitive alpine environments at Clemina Creek due to ATV use will be part of the Level I orientation to all project personnel as an example of what is unacceptable and subject to disciplinary action. An important part of the environmental orientation will be discussing potential impacts to sensitive features in the Project area, communicating the Project code-of-conduct requirements and detailing the "Discipline" and "Consequence of Worker Non-Compliance" measures described in Section 7 of the Environmental Protection Plan (EPP). Trans Mountain will implement the discipline and non-compliance measures if Project workers are responsible for environmental damage.	BC MFLNRO P-IR No. 2.1.0	Prior to Construction	Superseded by NEB Condition	72, 56	



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2,122	Environment	Matsqui First Nation	Trans Mountain commits to use a Matsqui member as an environmental monitor in Matsqui Traditional Territory.	Matsqui First Nation Letter dated October 2, 2015 to Margaret Mears item b.	During Construction	Scoping		
2,125	Environment	Matsqui First Nation	Trans Mountain will deliver a stand alone list of actions and commitments to the Matsqui Lands Manager no later than 90 days before construction. This document will list the actions to avoid, mitigate and compensate for Project effects that will be binding on Trans Mountain as a necessary element of the Matsqui First Nation Environmental Assessment.	Matsqui First Nation Letter dated October 2, 2015 to Margaret Mears item c3	Prior to Construction	Complete		
2,191	Environment	BC Nature and Nature Canada	To reduce any potential environmental effects associated with the Environmental Field Studies Program in Surrey Bend Provincial Park, Trans Mountain will implement mitigation measures.	BC_Nature_Nature_Cda_IR_No._1.16j-Attachment 1 (Research Proposal - Surrey Bend Regional Park)	Prior to Construction	No Longer Applicable		Commitment is no longer applicable as route now avoids Surrey Bend Regional Park as per NEB Condition 7.
2,256	Environment	City of Burnaby; NEB	Trans Mountain will engage a qualified arborist to develop a Tree Plan specific to municipal lands directly impacted by the pipeline construction, in Spread 7. Trans Mountain will ensure this plan will identify the species and number of trees to be removed from the construction right-of-way. Trans Mountain will ensure it will be provided to the City or Municipality, and will be used to develop details of the Reclamation Plan in consultation with the City and landowners.	NEB_IR_No._6.12 NEB_Route_Hearing_Transcript_Seg_7_Vol_3	Prior to Construction	Complete		
2,259	Environment	NEB	Trans Mountain will ensure additional steps for the preservation of the topsoil on this organic farm will be developed in cooperation with the landowners and land users and their organic certification boards. [Request: Please describe the mitigation measures that Trans Mountain proposes to address Yarrow Ecovillage's concerns]	NEB_IR_No._6.13	Prior to Construction	In Progress		
2,260	Environment	NEB	Trans Mountain will ensure a statistically valid sample of soils will be taken prior to construction and before respreading topsoil at Yarrow EcoVillage. Trans Mountain will ensure this sample will be tested for metal concentrations to ensure that there has been no metal contamination of the soil due to pipeline construction activity.	NEB_IR_No._6.13	Prior to Construction	In Progress		
2,282	Environment	NEB	Trans Mountain will install an air monitoring station at the Sumas Terminal by the end of 2014 .	Part 2 – Public Consultation Update No. 1	Prior to Construction	Complete		
2,476	Environment	NEB	Trans Mountain will invite aboriginal groups to participate in Environmental Protection Plan (EPP) workshops where mitigation measures will be discussed.	Reply Evidence 42.4 Human Occupancy and Resources Use p.42-3 Line 23	Prior to Construction	Complete		
2,497	Environment	Lyackson First Nation; Tsawout First Nation	Trans Mountain is committed to hosting a regional Environmental Protection Plans (EPPs) workshop to discuss mitigation measures, Tsawout First Nation, and Lyackson First Nation will be invited to attend.	Reply Evidence 57.5 Aboriginal Traditional Marine Use p.57.9 line 13	Prior to Construction	Complete		

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2,507	Environment	Landowners - Burnaby Residents (Holly Chan, Steve Cook, Karim and Anar Dossa, Lily and Frank Fan, Claudia Leung and Michael Radano); City of Burnaby; NEB	As referenced in City of Burnaby 1.10.03d (Filing ID A3Y2E6) Trans Mountain will ensure the operation and testing for noise generating equipment meets the local noise bylaws by designing and installing the equipment with appropriate consideration of noise suppression. Additionally, the testing for this equipment is normally done during regular working hours. Detailed mitigation measures for this equipment have not yet been determined as this will be done during the final phase of design and engineering.	Reply Evidence 6.2 Stakeholder Engagement - p17 - line 26, City of Burnaby 1.10.03d; NEB_Route_Hearing_Decision_Seg_7_BurnabyResidents_Sec_2.3	Prior to Construction	Superseded by NEB Condition	80, 86	
2,519	Environment	Adams Lake Indian Band	Trans Mountain will be hosting regional workshops along the proposed Project corridor to discuss the Environmental Protection Plan (EPP) and Emergency Management (EM); Adams Lake Indian Band (ALIB) will be invited to participate in collaboration with other Aboriginal groups located in the region. Trans Mountain is committed to continued engagement with ALIB to discuss the Project and the potential Project related effects on ALIB.	Reply Evidence 7.1 Adams Lake Indian Band - p2 - line 11	Prior to Construction	Complete		
2,520	Environment	Asini Wachi Nehiyawak Traditional Band	Trans Mountain will be hosting regional workshops along the proposed Project corridor to discuss the Environmental Protection Plan (EPP) and Emergency Management (EM); Asini Wachi Nehiyawak Traditional Band (AWNTB) will be invited to participate in collaboration with other Aboriginal groups located in the region. Trans Mountain is committed to continued engagement with AWNTB to discuss the Project and the potential Project related effects on AWNTB.	Reply Evidence 7.2 Asini Wachi Nehiyawak Traditional Band - p3 - line 3	Prior to Construction	Complete		
2,522	Environment	Coldwater Indian Band	Trans Mountain will be hosting regional workshops along the proposed Project corridor to discuss the Environmental Protection Plan (EPP) and Emergency Management (EM); Coldwater Indian Band (CIB) will be invited to participate in collaboration with other Aboriginal groups located in the region. Trans Mountain is committed to continued engagement with CIB to discuss the Project, including routing options, and the potential Project related effects on CIB.	Reply Evidence 7.4 Coldwater Indian Band - p5 - line 21	Prior to Construction	Complete		
2,523	Environment	Cowichan Tribes	Trans Mountain will be hosting regional workshops along the proposed Project corridor to discuss the Environmental Protection Plan (EPP) Cowichan Tribes (CT) will be invited to participate in collaboration with other Aboriginal groups located in the region. As outlined in its IR response to Natural Resources Canada (NRCan) (Filing ID A4R4G1, PDF page 3) on July 14, 2015, CT expects consultation on a number of issues to continue after the NEB hearing process has concluded; Trans Mountain is committed to continued engagement with CT to discuss the Project and the potential Project related effects on CT.	Reply Evidence 7.5 Cowichan Tribes - p5 - line 25	Prior to Construction	Complete		

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2,524	Environment	Katzie First Nation	Trans Mountain will be hosting regional workshops along the proposed Project corridor to discuss the Environmental Protection Plan (EPP) and Emergency Management (EM); Katzie First Nation (KFN) will be invited to participate in collaboration with other Aboriginal groups in the region. Project mitigation measures will be reviewed including those that will be utilized to minimize Project related effects as identified in the KFN Traditional Land Use (TLU) study. Trans Mountain is committed to continued engagement with KFN to discuss the Project and the potential Project related effects on KFN.	Reply Evidence 7.6 Katzie First Nation - p6 - line 5	Prior to Construction	Complete		
2,526	Environment	Lyackson First Nation	Trans Mountain will be hosting regional workshops along the proposed Project corridor to discuss the Environmental Protection Plan (EPP); Lyackson First Nation (LYFN) will be invited to participate in collaboration with other Aboriginal groups located in the region. Trans Mountain is committed to continued engagement with LYFN to discuss the Project and the potential Project related effects on LYFN.	Reply Evidence 7.7 Lyackson First Nation - p6 - line 25	Prior to Construction	Complete		
2,527	Environment	Lyackson First Nation	Trans Mountain acknowledges an outstanding commitment to meet with Lyackson First Nation (LYFN) to discuss the mitigation measures associated with the Project as related to the Lyackson Use and Occupancy Mapping Study (LUOMS).	Reply Evidence 7.7 Lyackson First Nation p6 - line 18	Prior to Construction	Complete		
2,528	Environment	Matsqui First Nation	Trans Mountain will be hosting regional workshops along the proposed Project corridor to discuss the Environmental Protection Plan (EPP) and Emergency Management (EM); Matsqui First Nation (MN) will be invited to participate in collaboration with other Aboriginal groups located in the region. Trans Mountain is committed to continued engagement with MN to discuss the Project and the potential Project related effects on MN.	Reply Evidence 7.8 Matsqui First Nation - p6 - line 37	Prior to Construction	Complete		
2,530	Environment	Metis Nation of Alberta Gunn Metis Local 55	Trans Mountain will be hosting regional workshops along the proposed Project corridor to discuss the Environmental Protection Plan (EPP) and Emergency Management (EM); Metis Nation of Alberta Gunn Metis Local 55 (GML) will be invited to participate in collaboration with other Aboriginal groups located in the region. Trans Mountain is committed to continued engagement with GML to discuss the Project and the potential Project related effects on GML.	Reply Evidence 7.9 Metis Nation of Alberta Gunn Metis Local 55 - p7 - line 21	Prior to Construction	Complete		
2,533	Environment	Musqueam Indian Band	Trans Mountain will be hosting regional workshops along the proposed Project corridor to discuss the Environmental Protection Plan (EPP) and Emergency Management (EM); Musqueam Indian Band (MIB) will be invited to participate in collaboration with other Aboriginal groups located in the region. Trans Mountain is committed to continued engagement with MIB to discuss the Project and the potential Project related effects on MIB.	Reply Evidence 7.12 Musqueam Indian Band - p8 - line 31	Prior to Construction	Complete		
2,534	Environment	Nooaitch Indian Band	Trans Mountain will be hosting regional workshops along the proposed Project corridor to discuss the Environmental Protection Plan (EPP) and Emergency Management (EM); Nooaitch Indian Band (NIB) will be invited to participate in collaboration with other Aboriginal groups located in the region. Trans Mountain is committed to continued engagement with MIB to discuss the Project and the potential Project related effects on MIB.	Reply Evidence 7.13 Nooaitch Indian Band - p9 - line 10	Prior to Construction	Complete		

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2,535	Environment	Sto:lo Collective	Trans Mountain will be hosting regional workshops along the proposed Project corridor to discuss the Environmental Protection Plan (EPP) and Emergency Management (EM); Stó:lō will be invited to participate in collaboration with other Aboriginal groups located in the region. Project mitigation measures will be reviewed including those that will be utilized to minimize Project related effects as identified in the Integrated Cultural Assessment (ICA) Report.	Reply Evidence 7.15 Stó:lō Collective - p10 - line 38	Prior to Construction	Complete		
2,538	Environment	Squamish Nation	Trans Mountain will be hosting regional workshops along the proposed Project corridor to discuss the Environmental Protection Plan (EPP) and Emergency Management (EM); Squamish Nation will be invited to participate in collaboration with other Aboriginal groups. Trans Mountain is committed to continued engagement with Squamish Nation (SN) to discuss the Project and the potential Project related effects on SN.	Reply Evidence 7.17 Squamish Nation - p12 - line 23	Prior to Construction	Complete		
2,539	Environment	Stk'emlupsemc Te Secwepemc	Trans Mountain will be hosting regional workshops along the proposed Project corridor to discuss the Environmental Protection Plan (EPP) and Emergency Management (EM), Stk'emlupsemc Te Secwepemc (SSN) will be invited to participate in collaboration with other Aboriginal groups. Trans Mountain is committed to continued engagement with SSN to discuss the Project and the potential Project-related effects on SSN.	Reply Evidence 7.18 Stk'emlupsemc Te Secwepemc - p12 - line 1	Prior to Construction	Complete		
2,540	Environment	Stz'uminus First Nation	Trans Mountain will be hosting regional workshops to discuss the Environmental Protection Plan (EPP), and Stz'uminus First Nation (Stz'uminus) will be invited to participate in collaboration with other Aboriginal groups. Trans Mountain is committed to continued engagement with Stz'uminus to discuss the Project and the potential Project related effects on Stz'uminus.	Reply Evidence 7.19 Stz'uminus First Nation - p12 - line 15	Prior to Construction	Complete		
2,542	Environment	Tsawout First Nation	Trans Mountain will be hosting regional workshops to discuss the Environmental Protection Plan (EPP), and Tsawout First Nation (TWFN) will be invited to participate in collaboration with other Aboriginal groups. Trans Mountain is not able to commit to a community specific forum with TWFN at this time. Trans Mountain is committed to continued engagement with TWFN to discuss the Project and the potential Project related effects on TWFN	Reply Evidence 7.21 Tsawout First Nation - p13 - line 24	Prior to Construction	Complete		
2,544	Environment	Tsawwassen First Nation	Trans Mountain will be hosting regional workshops along the proposed Project corridor to discuss the Environmental Protection Plan (EPP) and Emergency Management (EM), Tsawwassen First Nation (TFN) will be invited to participate in collaboration with other Aboriginal groups.	Reply Evidence 7.22 Tsawwassen First Nation - p14 - line 17	Prior to Construction	Complete		
2,545	Environment	Tsleil-Waututh Nation	Trans Mountain will be hosting regional workshops along the proposed Project corridor to discuss the Environmental Protection Plan (EPP) and Emergency Management (EM); Tsleil-Waututh Nation (TWN) will be invited to participate in collaboration with other Aboriginal groups. Project mitigation measures will be reviewed including those that will be utilized to minimize Project related effects as identified in the TWN report. Trans Mountain is committed to continued engagement with TWN to discuss the Project and the potential Project related effects on TWN.	Reply Evidence 7.23 Tsleil-Waututh Nation p15 - line 4	Prior to Construction	Complete		

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2,546	Environment	Upper Nicola Band	Trans Mountain will be hosting regional workshops along the proposed Project corridor to discuss the Environmental Protection Plan (EPP) and Emergency Management (EM); Upper Nicola Indian Band (UNB) will be invited to participate in collaboration with other Aboriginal groups. In its evidence (filling ID A4R414), UNB requested continued consultation with Trans Mountain regarding the Project on multiple matters, Trans Mountain acknowledges that Upper Nicola Indian Band has requested that engagement with Trans Mountain remain confidential.	Reply Evidence 7.24 Upper Nicola Band p15 - line 14	Prior to Construction	Complete		
2,611	Environment	NEB	Trans Mountain will incorporate expansion of the Burnaby Terminal into its existing stormwater monitoring program, whereby Trans Mountain will continue to monitor flash drainage events in an effort to identify potential effects and implement necessary measures to reduce or avoid Project-related effects to the Eagle Creek watershed.	Application Volume 5A s. 7.5.3.4 p7-384	During Construction	Scoping		
2,971	Environment	Metro Vancouver	Trans Mountain commits to meet with Metro Vancouver to discuss the methodology and results.	Metro_Vancouver_IR_No._1.6.04b-Response to Motion	Prior to Construction	Complete		
3,018	Environment	NEB	Trans Mountain will employ an "early in/early out" approach by initiating construction activities as early as possible in the winter and working expeditiously to limit late winter activities. Additionally, Trans Mountain will discuss the timing of their activity with Alberta Energy Regulator (AER) and maintain contact with AER during the construction period to advise them of the construction progress and anticipated completion date within Key Wildlife Biodiversity Zones. Construction, routine maintenance and operation activities will be scheduled outside the spring period for caribou.	Application Volume 5A; Technical Update No. 1 and Consultation Update No. 2 - Part 2 Table 1.6.2-1	During Construction	Scoping		
3,026	Environment	NEB	Trans Mountain will schedule construction, routine maintenance and operational activities outside the spring period for caribou (generally mid-March to mid-July), unless otherwise approved by Alberta Environment and Sustainable Resource Development (AESRD).	NEB_IR_No._3.010a-Attachment_1	During Construction	In Progress		
3,111	Environment	NEB	Trans Mountain has committed to developing additional steps for the preservation of the topsoil on Yarrow Ecovillage's organic farm in cooperation with the landowners and land users as well as the Organic Certification Board.	Revised Final Argument s. 7.2.1.2	Prior to Construction	In Progress		
3,125	Environment	NEB	Trans Mountain has committed to searching for bat roost trees during the period when maternity roosts are active. In the event an active roost tree is found, a protective buffer will be implemented based on consultation with provincial regulators.	Revised Final Argument s. 7.2.1.11 p285	Prior to Construction	In Progress		
3,126	Environment	NEB	Trans Mountain has committed to reviewing and identifying active colonies that may be affected by construction activities in areas with high suitability habitat for swifts and swallows to ensure appropriate mitigation is implemented.	Revised Final Argument s. 7.2.1.11 p286	Prior to Construction	In Progress		
3,127	Environment	NEB	Trans Mountain will have procedures in place to ensure that irrigation water is not interrupted and has committed to working with Yarrow Ecovillage in advance of construction to develop a strategy to ensure that temporary irrigation lines are installed and permanent irrigation lines are re-established during and after construction.	Revised Final Argument s. 7.2.1.2 p236	Prior to Construction	In Progress		

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3,273	Environment	Sto:lo Collective	A copy of the draft Archaeological Impact Assessment (AIA) final report will be forwarded in confidence to the Sto:lo Collective for review, comment and proposed edits before submission of the report to British Columbia Ministry of Forests, Lands and Natural Resource Operations (BC MFLNRO) Archaeology Branch. Once accepted by BC MFLNRO Archaeology Branch, a copy of the final AIA report will be forwarded in confidence to the Sto:lo Collective.	Sto:lo Collective Attachment - Table 3a	Prior to Construction	Complete		
3,367	Environment	City of Abbotsford	Restoration strategies, including those for tree replacement will be developed in consultation with applicable landowners, the City of Abbotsford (on municipal lands) or the regulatory authority responsible for the management of Crown lands.	City_of_Abbotsford_IR_No._2.2.07d, City_of_Abbotsford_IR_No._2.2.09d	Prior to Construction	In Progress		
3,417	Environment	C.G.L.A.P. - Collaborative Group of Landowners Affected by Pipelines	Trans Mountain is committed to systematic and timely communication with farm operators. Based on this communication, detailed biosecurity measures will be developed collaboratively between the farm operator and Trans Mountain.	CGLAP_IR_No._2.8b	Prior to Construction	Superseded by NEB Condition	72	
3,739	Environment	BC Ministry of Transportation and Infrastructure	Trans Mountain commits to the following for the Coldwater 4 geotechnical site: - Using natural clearings to minimize disturbance and no clearing is proposed. - Transporting all drilling mud off-site for disposal at an approved facility. In the event that the drilling mud is to be disposed of on-site, the requirements outlined in the British Columbia Oil and Gas Handbook, Drilling Waste Management Chapter, will be adhered to. - Using a tracked drill rig to access the drill site.	Non-Regulatory Commitment	Prior to Construction	Complete		
3,824	Environment	Matsqui First Nation	Trans Mountain commits to use a Matsqui member as an environmental monitor in Matsqui Traditional Territory.	Matsqui First Nation Letter dated October 2, 2015 to Margaret Mears item b.	During Construction	Scoping		
3,825	Environment	Matsqui First Nation	Trans Mountain commits to use a Matsqui member as an environmental monitor in Matsqui Traditional Territory.	Matsqui First Nation Letter dated October 2, 2015 to Margaret Mears item b.	During Construction	Scoping		
3,826	Environment	Environment Canada	Trans Mountain will ensure all construction right-of-way clearing activities and site reclamation activities around the Chilliwack and Cascades Forest District boundary are in accordance with the Plant Protection Act – Balsam Woolly Adelgid (B.C. Reg. 414/92). The movement of any tree of Abies species will not be moved to any place outside of the quarantine area. Additionally, logs of Abies species that are moved out of the quarantine zone must be transported and stored in water and promptly processed to avoid the spread of the Balsam Woolly Adelgid.	GoC_EC_IR_No._2.122	During Construction	In Progress		
3,827	Environment	Environment Canada	Trans Mountain will ensure all construction right-of-way clearing activities and site reclamation activities around the Chilliwack and Cascades Forest District boundary are in accordance with the Plant Protection Act – Balsam Woolly Adelgid (B.C. Reg. 414/92). The movement of any tree of Abies species will not be moved to any place outside of the quarantine area. Additionally, logs of Abies species that are moved out of the quarantine zone must be transported and stored in water and promptly processed to avoid the spread of the Balsam Woolly Adelgid.	GoC_EC_IR_No._2.122	During Construction	In Progress		

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3,828	Environment	Sto:lo Collective	As part of the workshop series described in the response to Recommendation 2 Trans Mountain will include the subjects of aquatics and water crossings.	Sto:lo Collective Recommendation #9, #21	Prior to Construction	In Progress		
3,829	Environment	Sto:lo Collective	As part of the workshop series described in the response to Recommendation 2 Trans Mountain will include the subjects of aquatics and water crossings.	Sto:lo Collective Recommendation #9, #21	Project Lifecycle	In Progress		
3,830	Environment	Sto:lo Collective	Trans Mountain will recognize places names (such as on Project maps, signs and fencing) during the construction of the Project.	Sto:lo Collective Recommendation #45	During Construction	In Progress		
3,831	Environment	Sto:lo Collective	Trans Mountain will recognize places names (such as on Project maps, signs and fencing) during the construction of the Project.	Sto:lo Collective Recommendation #45	During Construction	In Progress		
3,839	Environment	Matsqui First Nation	Trans Mountain will deliver a stand alone list of actions and commitments to the Matsqui Lands Manager no later than 90 days before construction. This document will list the actions to avoid, mitigate and compensate for Project effects that will be binding on Trans Mountain as a necessary element of the Matsqui First Nation Environmental Assessment.	Matsqui First Nation Letter dated October 2, 2015 to Margaret Mears item c3	Prior to Construction	Complete		
3,840	Environment	Matsqui First Nation	Trans Mountain will deliver a stand alone list of actions and commitments to the Matsqui Lands Manager no later than 90 days before construction. This document will list the actions to avoid, mitigate and compensate for Project effects that will be binding on Trans Mountain as a necessary element of the Matsqui First Nation Environmental Assessment.	Matsqui First Nation Letter dated October 2, 2015 to Margaret Mears item c3	Prior to Construction	Complete		
3,841	Environment	Sto:lo Collective	Trans Mountain will be hosting regional workshops along the proposed Project corridor to discuss the Environmental Protection Plan (EPP) and Emergency Management (EM); Stó:lō will be invited to participate in collaboration with other Aboriginal groups located in the region. Project mitigation measures will be reviewed including those that will be utilized to minimize Project related effects as identified in the Integrated Cultural Assessment (ICA) Report.	Reply Evidence 7.15 Stó:lō Collective - p10 - line 38	Prior to Construction	Complete		
3,842	Environment	Sto:lo Collective	Trans Mountain will be hosting regional workshops along the proposed Project corridor to discuss the Environmental Protection Plan (EPP) and Emergency Management (EM); Stó:lō will be invited to participate in collaboration with other Aboriginal groups located in the region. Project mitigation measures will be reviewed including those that will be utilized to minimize Project related effects as identified in the Integrated Cultural Assessment (ICA) Report.	Reply Evidence 7.15 Stó:lō Collective - p10 - line 38	Prior to Construction	Complete		
3,843	Environment	Squamish Nation	Trans Mountain will be hosting regional workshops along the proposed Project corridor to discuss the Environmental Protection Plan (EPP) and Emergency Management (EM); Squamish Nation will be invited to participate in collaboration with other Aboriginal groups. Trans Mountain is committed to continued engagement with Squamish Nation (SN) to discuss the Project and the potential Project related effects on SN.	Reply Evidence 7.17 Squamish Nation - p12 - line 23	Prior to Construction	Complete		
3,851	Environment	Sto:lo Collective	As part of the workshop series described in the response to Recommendation 2, Trans Mountain will offer a focused workshop to review the draft Environmental Protection Plan (EPP) and Environmental Alignment Sheets (EAS). Trans Mountain will submit up to date versions of the EPP and EAS to Sto:lo representatives.	Sto:lo Collective Recommendation #3	Prior to Construction	In Progress		

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3,852	Environment	Sto:lo Collective	As part of the workshop series described in the response to Recommendation 2, Trans Mountain will offer a focused workshop to review the draft Environmental Protection Plan (EPP) and Environmental Alignment Sheets (EAS). Trans Mountain will submit up to date versions of the EPP and EAS to Sto:lo representatives.	Sto:lo Collective Recommendation #3	Prior to Construction	In Progress		
3,853	Environment	Sto:lo Collective	Where water quality monitoring fails to meet the parameters of established guidelines and is not in compliance with regulatory requirements, Trans Mountain will report the incident to Sto:lo representatives within the requested timeframe.	Sto:lo Collective Recommendation #11	During Construction	Superseded by NEB Condition	72	
3,854	Environment	Sto:lo Collective	Where water quality monitoring fails to meet the parameters of established guidelines and is not in compliance with regulatory requirements, Trans Mountain will report the incident to Sto:lo representatives within the requested timeframe.	Sto:lo Collective Recommendation #11	During Construction	Superseded by NEB Condition	72	
3,855	Environment	Sto:lo Collective	Trans Mountain remains committed to ongoing engagement with Sto:lo representatives to discuss the inclusion of existing Sto:lo knowledge into the updated EPPs for the Project.	Sto:lo Collective Recommendation #12	Prior to Construction	In Progress		
3,856	Environment	Sto:lo Collective	Trans Mountain remains committed to ongoing engagement with Sto:lo representatives to discuss the inclusion of existing Sto:lo knowledge into the updated EPPs for the Project.	Sto:lo Collective Recommendation #12	Project Lifecycle	In Progress		
3,857	Environment	Sto:lo Collective	Trans Mountain's procurement team and Chief Environmental Inspector will discuss the requirements and existing capacity re: qualified monitoring personnel and services with the Sto:lo representatives.	Sto:lo Collective Recommendation #13, #14, #26, #40, #41, #52	Prior to Construction	Superseded by NEB Condition	98	
3,858	Environment	Sto:lo Collective	Trans Mountain's procurement team and Chief Environmental Inspector will discuss the requirements and existing capacity re: qualified monitoring personnel and services with the Sto:lo representatives.	Sto:lo Collective Recommendation #13, #14, #26, #40, #41, #52 A4S7H3	Project Lifecycle	Superseded by NEB Condition	98	
3,859	Environment	Sto:lo Collective	If clearing in Old Growth Management Areas (OGMAs) within the S'ólh Téméxw becomes an approved construction requirement, Trans Mountain will discuss Sto:lo's desire to salvage cedar with the OGMA regulator and the terms for commercial harvest will be negotiated.	Sto:lo Collective Recommendation #28	Prior to Construction	Superseded by NEB Condition	76	
3,860	Environment	Sto:lo Collective	Trans Mountain will provide advance notification of planned herbicide application to the Sto:lo representatives.	Sto:lo Collective Recommendation #37	Project Lifecycle	Superseded by NEB Condition	45	
3,861	Environment	Sto:lo Collective	Trans Mountain will provide advance notification of planned herbicide application to the Sto:lo representatives.	Sto:lo Collective Recommendation #37	During Construction	Superseded by NEB Condition	45	
3,884	Environment	NEB	Trans Mountain commits to updating the Traditional Land Use Sites Discovery Contingency Plan as part of the Westridge Marine Terminal Environmental Protection Plan prior to construction with mitigation measures for fishing, trapping, plant gathering, and trails and travelways specific to marine terminal construction.	NEB_Cond_IR_No._25.3	Prior to Construction	Superseded by NEB Condition	81	
3,885	Environment	NEB	Trans Mountain commits to updating the Westridge Marine Terminal (WMT) Environmental Protection Plan, prior to construction, to include any new or revised mitigation measures that result from further consultations with Fisheries and Oceans Canada (DFO) or through issuance of the Fisheries Act Authorization for the WMT.	NEB_Cond_IR_No._25.4	Prior to Construction	Superseded by NEB Condition	81	
3,886	Environment	NEB	Trans Mountain commits to implementing access management across the TMEP and TMPL rights-of-way in suitable locations where the Project is contiguous with the TMPL right-of-way.	NEB_Cond_IR_No._26.2; NEB_Cond_IR_No._27.8	During Construction	Superseded by NEB Condition	56, 47	



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3,887	Environment	NEB	Trans Mountain commits to documenting and reporting to the NEB the locations of existing access management on the contiguous sections of the TMPL right-of-way, and the access management measures implemented during or upon completion of Project construction at each location or the rationale for not implementing access management.	NEB_Cond_IR_No._26.2; NEB_Cond_IR_No._27.8	During Construction	Superseded by NEB Condition	56, 47	
3,890	Environment	NEB	Trans Mountain commits to reporting the final access management locations to the NEB with the Post-Construction Environmental Monitoring (PCEM) reports.	NEB_Cond_IR_No._27.6	During Operations	Superseded by NEB Condition	47	
3,891	Environment	NEB	Trans Mountain commits to updating the Species at Risk Mitigation and Habitat Restoration Plans to provide clarity regarding which mitigation measures will be applied, as indicated in this IR response.	NEB_Cond_IR_No._28.13	Prior to Construction	Superseded by NEB Condition	44	
3,892	Environment	NEB	Trans Mountain commits to retaining and replacing cover objects within areas of core terrestrial and connectivity habitat for Great Basin spadefoot.	NEB_Cond_IR_No._28.16	Prior to Construction	Superseded by NEB Condition	44	
3,893	Environment	NEB	Trans Mountain commits to assuming that critical habitat is present in the forested areas of connective critical habitat for coastal giant salamander that have not been surveyed (< 2.5 km) and will apply the avoidance, mitigation and restoration measures from the relevant Plan.	NEB_Cond_IR_No._28.2	Prior to Construction	Superseded by NEB Condition	44	
3,894	Environment	NEB	Trans Mountain commits to assuming that critical habitat is present in the small segment of refined Lewis's woodpecker proposed critical habitat where land access was not granted (680 m) and will apply the avoidance, mitigation and restoration measures from the relevant Plan.	NEB_Cond_IR_No._28.2	Prior to Construction	Superseded by NEB Condition	44	
3,895	Environment	NEB	Trans Mountain is committed to allowing only those who have received the noted environmental and compliance education to work in areas identified in the Condition 44 Plans. If personnel are found to have commenced work within these areas without the training, they will cease work until they have received the training.	NEB_Cond_IR_No._28.22	Prior to Construction	Superseded by NEB Condition	44	
3,897	Environment	NEB	Trans Mountain commits to providing the Board with an update on Project effects within early draft critical habitat for each of American badger and Western screech-owl, including all aspects of Condition 44 requirements, should the Raft River contingency alternate be required for the Project.	NEB_Cond_IR_No._28.8	Prior to Construction	Superseded by NEB Condition	44	
3,898	Environment	NEB	Trans Mountain commits to revisiting the area near KP 1118.8 to search for evidence of Townsend's mole. If presence is confirmed, the measures in the Plan will be applied.	NEB_Cond_IR_No._28.9	Prior to Construction	Superseded by NEB Condition	44	
3,899	Environment	NEB	Trans Mountain commits to revisiting the suspected Lewis woodpecker nest site near KP 845.3 if clearing or construction occurs within the migratory bird nesting period. If the nest is active, the appropriate buffer will be implemented.	NEB_Cond_IR_No._28.9	Prior to Construction	Superseded by NEB Condition	44	
3,900	Environment	NEB	Trans Mountain commits to applying the avoidance, mitigation and habitat restoration measures for Oregon forestsnail from KP 1054.0 to KP 1054.1 and KP 1077.3 to KP 1077.4.	NEB_Cond_IR_No._28.9	Prior to Construction	Superseded by NEB Condition	44	
3,902	Environment	NEB	Trans Mountain commits to updating the Condition 71: Riparian Habitat Management Plan to include any new mitigation measures or changes to proposed mitigation measures resulting from concerns raised by Environment and Climate Change Canada, as described in this IR response. This includes monitoring all riparian habitats that received pre-construction field surveys for vegetation and wildlife and also monitoring of all high-sensitivity for fish watercourse crossings.	NEB_Cond_IR_No._29.6	Prior to Construction	Superseded by NEB Condition	71	

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3,903	Environment	NEB	Trans Mountain commits to including the evaluation of 'performance indicator against measurable targets information' for monitoring years one and three in the five year Post-Construction Environmental Monitoring (PCEM) report (NEB Condition 151).	NEB_Cond_IR_No._29.7	During Operations	Superseded by NEB Condition	71	
3,905	Environment	NEB	Trans Mountain commits to filing an updated summary of its consultation with Strathcona Industrial Association (SIA), Alberta Environment and Parks (AEP) and Alberta Capital Air Shed (ACA), and any other interested parties, on technical details with respect to siting, data collection, reporting and availability of data for the Edmonton Terminal as and when it becomes available.	NEB_Cond_IR_No._32.3	During Construction	Scoping		
3,906	Environment	NEB	Trans Mountain commits to ensuring that personnel who have not received the environmental and compliance education will not work within the Sowaqua Spotted Owl Wildlife Habitat Area (WHA) until they have received the training, and that if personnel are found to have commenced work within the WHA without the training, they will cease work in the WHA until they have received the training.	NEB_Cond_IR_No._14.11	During Construction	Superseded by NEB Condition	38	
3,907	Environment	NEB	Trans Mountain commits to updating the Facilities Environmental Protection Plan as indicated in this IR response and submitting it to the NEB prior to construction.	NEB_Cond_IR_No._34.10	Prior to Construction	Superseded by NEB Condition	78	
3,908	Environment	NEB	Trans Mountain commits to updating the Pipeline and Facility Environmental Protection Plans (EPP) to reflect the migratory bird nesting period throughout the EPP, and where clearing and construction outside of the migratory bird nesting period is not feasible, Trans Mountain will implement the mitigation measures outlined under "General Measures", including nest sweeps.	NEB_Cond_IR_No._34.11	Prior to Construction	Superseded by NEB Condition	72, 78, 81	
3,909	Environment	NEB	Trans Mountain commits to updating the Compliance Management Plan, Vol. 10 of the Environmental Plans, to reflect the terminology specified in this IR response and submit them to the NEB prior to construction.	NEB_Cond_IR_No._34.12	Prior to Construction	Superseded by NEB Condition	72, 78, 81	
3,910	Environment	NEB	Trans Mountain commits to making the amendments identified in this IR response in the Spill Contingency Plan Section 11.4.3. of the Pipeline Environmental Protection Plan.	NEB_Cond_IR_No._34.8	Prior to Construction	Superseded by NEB Condition	72	
3,911	Environment	NEB	Trans Mountain commits to consulting with the B.C. Ministry of Environment to determine if additional mitigation for the historical population of Vancouver Island Beggarticks is appropriate and, if so, what kind of mitigation would be appropriate.	NEB_Cond_IR_No._38.3	Prior to Construction	Superseded by NEB Condition	40	
3,912	Environment	NEB	Trans Mountain commits to updating and resubmitting the Rare Ecological Community and Rare Plant Population Management Plan, if additional mitigation is determined to be appropriate through consultation with the B.C. Ministry of Environment, for the historical population of Vancouver Island Beggarticks.	NEB_Cond_IR_No._38.3	Prior to Construction	Superseded by NEB Condition	40	
3,915	Environment	NEB	Trans Mountain commits to implementing the mitigation measures listed in the Wildlife Species of Concern Discovery and Encounter Contingency Plan in the event that wildlife species of concern or habitat feature is discovered during construction.	NEB_Cond_IR_No._39.1	Prior to Construction	Superseded by NEB Condition	78	
3,916	Environment	NEB	Trans Mountain commits to updating Appendix D: Resource-specific Mitigation Tables to reference all mitigation measures for wildlife as outlined in Section 6.0 of the Facilities Environmental Protection Plan (EPP).	NEB_Cond_IR_No._39.2	Prior to Construction	Complete		

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3,917	Environment	NEB	Trans Mountain commits to updating Appendix D: Resource-specific Mitigation Tables for Blackpool, Darfield, Black Pines and Kamloops pump stations to reference the Species of Concern mitigation measures for wildlife as outlined in Section 6.0 of the Facilities Environmental Protection Plan (EPP).	NEB_Cond_IR_No._39.3	Prior to Construction	Complete		
3,918	Environment	NEB	Trans Mountain commits to updating the Facilities Environmental Protection Plan (EPP) with a reference to the Traffic Control Plans for public roadways. Section 7.3 of the Facilities Environmental Protection Plan (EPP) will be updated.	NEB_Cond_IR_No._39.4	Prior to Construction	Complete		
3,919	Environment	NEB	Trans Mountain commits to updating the mitigation measures for Traditional Land Use (TLU) activities related to trapping, fishing, plant gathering, and trails and travelways specific to facilities construction activities, as warranted in the TLU Sites Discovery Contingency Plan as part of the Facilities Environmental Protection Plan (EPP) prior to construction.	NEB_Cond_IR_No._39.5	Prior to Construction	Superseded by NEB Condition	78	
3,921	Environment	NEB	Trans Mountain commits to updating Condition 78: Temporary Construction Lands and Infrastructure Environmental Protection Plan with any relevant information from NEB Information Request No. 25, Westridge Marine Terminal Environmental Protection Plan.	NEB_Cond_IR_No._39.7	Prior to Construction	Complete		
3,922	Environment	NEB	Trans Mountain commits to relocating the Horizontal Directional Drilling (HDD) Noise Management Plan to Section 2.0 of the Environmental Management Plans (Volume 6).	NEB_Cond_IR_No._40.1	Prior to Construction	Superseded by NEB Condition	72	
3,923	Environment	NEB	Trans Mountain commits to updating the Environmental Alignment Sheet (EAS) Guide to provide guidance for events where previously unidentified environmental features are encountered.	NEB_Cond_IR_No._40.11	Prior to Construction	Superseded by NEB Condition	72	
3,924	Environment	NEB	Trans Mountain commits to updating the Environmental Alignment Sheets with a coloured band to identify and differentiate between the areas Trans Mountain determined to have contamination present through intrusive sampling, areas of high risk for contamination, and areas of moderate risk for contamination.	NEB_Cond_IR_No._40.12	Prior to Construction	Superseded by NEB Condition	72	
3,925	Environment	NEB	Trans Mountain commits to updating the Environmental Alignment Sheets to accurately identify the location and ranges of the sites classified as having moderate and high risk of encountering contamination.	NEB_Cond_IR_No._40.13	Prior to Construction	Superseded by NEB Condition	72	
3,926	Environment	NEB	Trans Mountain commits to updating the Environmental Alignment Sheets to clearly identify the various contaminated sites located within the Coquitlam High Risk Area, and the areas where there is a risk for encountering asbestos or asbestos containing materials.	NEB_Cond_IR_No._40.14	Prior to Construction	Superseded by NEB Condition	72	
3,927	Environment	NEB	Trans Mountain commits to updating the Groundwater Management Plan to clarify that contamination issues are not restricted to potentially contaminated shallow aquifers, rather contamination issues refer to the potential to encounter any contamination; and to clarify that sites with moderate or high risk of encountering contamination are listed in Condition 46.	NEB_Cond_IR_No._40.15	Prior to Construction	Superseded by NEB Condition	72	
3,928	Environment	NEB	Trans Mountain commits to updating the Wildlife Species of Concern Discovery and Encounter Contingency Plan with the following: "Upon discovery of a wildlife species of concern or habitat feature during construction, the following will occur."	NEB_Cond_IR_No._40.16	Prior to Construction	Superseded by NEB Condition	72	

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3,930	Environment	NEB	Trans Mountain commits to updating Section 8.0 of the Pipeline Environmental Protection Plan (EPP) to include mitigation measures under the "Species of Concern" heading in Section 7.0. Trans Mountain will update the Pipeline EPP with the following: "Refer to clearing and mowing mitigation provided under the Wildlife heading, and the Species of Concern heading of Section 7.0 of this EPP."	NEB_Cond_IR_No._40.2	Prior to Construction	Superseded by NEB Condition	72	
3,931	Environment	NEB	Trans Mountain commits to updating the Environmental Protection Plan (EPP) to include reference to habitat restoration measures proposed by Trans Mountain for wildlife and wildlife species at risk included in the Resource-specific Mitigation Tables, the Reclamation Management Plan, and specific Wildlife Species at Risk Mitigation and Habitat Restoration Plans.	NEB_Cond_IR_No._40.3	Prior to Construction	Superseded by NEB Condition	72	
3,932	Environment	NEB	Trans Mountain commits to updating the Reclamation Management Plan to include reclamation measures for American badger and to include soil compaction mitigation within critical habitat for each of American Badger and Townsend's mole. Reclamation measures will be added to Appendices D, E and G, and will be consistent with the soil compaction mitigation included in Sections 12 and 13 of the Pipeline EPP and the restoration measures specified in the American Badger Mitigation and Habitat Restoration Plan and the Townsend's Mole Mitigation and Habitat Restoration Plan (NEB Condition 44).	NEB_Cond_IR_No._40.4	Prior to Construction	Superseded by NEB Condition	72	
3,933	Environment	NEB	Trans Mountain commits to updating the Pipeline Environmental Protection Plan to include mitigation measures to reduce impacts of Project activities disturbing contamination on or around plant gathering sites (mitigation measures identified in the response to this IR).	NEB_Cond_IR_No._40.5	Prior to Construction	Superseded by NEB Condition	72	
3,934	Environment	NEB	Trans Mountain commits to adding the mitigation described in a) of the IR response to the Fish Species of Concern Contingency Plan, Section 5.0 of Appendix B in the Pipeline Environmental Protection Plan.	NEB_Cond_IR_No._40.8	Prior to Construction	Superseded by NEB Condition	72	
3,935	Environment	NEB	Trans Mountain commits to updating the Water Quality Management Plan included in the Pipeline Environmental Protection Plan with the flow diagram to outline the rationale for implementing water quality monitoring (i.e., Figure 15.5-1 of NEB IR No. 15 Response).	NEB_Cond_IR_No._40.9	Prior to Construction	Superseded by NEB Condition	72	
3,936	Environment	NEB	Trans Mountain commits to updating the relevant environmental protection plans (EPPs) as warranted to include any new or changed mitigation measures included in Condition 41 - Wetland Survey and Mitigation Plan Rev 2.0.	NEB_Cond_IR_No._41.1	Prior to Construction	Superseded by NEB Condition	41	
3,937	Environment	NEB	Trans Mountain commits to completing the same wetland assessments method as described in Section 3.5 of the Wetland Survey and Mitigation Plan if new unknown wetlands are encountered. A Wetland Ecologist will complete the assessment.	NEB_Cond_IR_No._41.2-1a	During Construction	Superseded by NEB Condition	41	
3,938	Environment	NEB	Trans Mountain plans to initiate development of the wildlife monitoring program during the early stages of the Project construction phase. Trans Mountain commits to filing the wildlife Post Construction Environmental Monitoring (PCEM) methods in accordance with NEB Condition 151. Baseline data collected for the Project between 2013 and 2017, and any supplemental data collected prior to or during construction, will form the basis of the wildlife monitoring.	NEB_Cond_IR_No._41.2-1d	During Construction	Superseded by NEB Condition	41	

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3,939	Environment	NEB	Trans Mountain commits to making a sufficient effort to obtain and access the necessary wetland crossing materials and equipment on-site.	NEB_Cond_IR_No._41.2-6b	During Construction	Superseded by NEB Condition	41	
3,940	Environment	NEB	Trans Mountain commits to pursuing opportunities to implement the wetland function enhancement measures (outlined in Section 5.7 of the Plan) off the Project Footprint during the construction phase of the Project, where feasible, to address temporary loss of wetland function as early as possible.	NEB_Cond_IR_No._41.3a	During Construction	Superseded by NEB Condition	41	
3,941	Environment	NEB	Where opportunities exist, Trans Mountain commits to endeavouring to utilize natural materials from the Project Footprint to enhance suitable locations off Project Footprint, within the same wetland.	NEB_Cond_IR_No._41.3a	During Construction	Superseded by NEB Condition	41	
3,942	Environment	NEB	Trans Mountain commits to maintaining offsets, where warranted, to ensure that offsets for loss of wetland function are effective for at least the duration of the functional loss caused by the Project.	NEB_Cond_IR_No._41.3b	During Construction	Superseded by NEB Condition	41	
3,943	Environment	NEB	In situations where the selected offsets are in the form of in-lieu funding for a third-party organization to implement wetland restoration/enhancement or protection, Trans Mountain commits to ensuring that funding is included for the necessary maintenance and monitoring, in line with the approach outlined in this IR response.	NEB_Cond_IR_No._41.3b	During Construction	Superseded by NEB Condition	41	
3,945	Environment	NEB	Trans Mountain commits to updating the NEB on any feedback received on the Environmental and socio-economic assessment - s.58 temporary construction lands and infrastructure (Condition 60) in an addendum to Condition 60, if required.	NEB_Cond_IR_No._42.2	During Construction	Superseded by NEB Condition	60	
3,946	Environment	NEB	Trans Mountain commits to completing vegetation surveys prior to construction where the recommendation has been provided in the June 2017 filing of Condition 60, and additional mitigation measures will be implemented as warranted.	NEB_Cond_IR_No._42.4	Prior to Construction	Superseded by NEB Condition	60	
3,947	Environment	NEB	Trans Mountain commits to submitting an updated table that considers the likelihood of encountering contamination and the associated risk, as well as any additional mitigation to reduce the potential effects of disturbing the contamination during Project activities, in September 2017. This table will include the ranking of temporary sites by risk category.	NEB_Cond_IR_No._42.5	Prior to Construction	Superseded by NEB Condition	60	
3,948	Environment	NEB	In order to reduce the potential effects of disturbing contaminated soils during project activities, Trans Mountain commits to providing contractors with a site plan showing areas of potential concern for high and moderate risk sites for the applicable temporary work spaces.	NEB_Cond_IR_No._42.5	Prior to Construction	Scoping		
3,949	Environment	NEB	Trans Mountain commits to updating the relevant Environmental Protection Plans (EPP) with any new mitigation or restoration measures as required, including the Condition 71 Riparian Habitat Management Plan.	NEB_Cond_IR_No._42.6	Prior to Construction	Superseded by NEB Condition	60	
3,950	Environment	NEB	Trans Mountain commits to incorporating all commitments made in the responses to NEB Condition IR No. 20, including the commitments made in references i) and ii) of that response, as well as any new commitments made in the response to this IR, into the Commitments Tracking Table, pursuant to Condition 6.	NEB_Cond_IR_No._45.3	Prior to Construction	Complete		

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3,951	Environment	NEB	Trans Mountain commits to following the NEB Remediation Process Guide in the instance the contamination is attributable to their construction activities or a discovery of historical Trans Mountain contamination.	NEB_Cond_IR_No._20.1.6	During Construction	Superseded by NEB Condition	46	
3,953	Environment	NEB	Trans Mountain commits to ensuring that all relevant information from the revised Contamination Identification and Assessment Plan (Condition 46) will be incorporated into the Project Environmental Protection Plans.	NEB_Cond_IR_No._45.2	Prior to Construction	Superseded by NEB Condition	46	
3,954	Environment	NEB	Trans Mountain commits to including a summary of the assessments of the temporary construction lands and infrastructure once completed, in NEB Condition Plan 60.	NEB_Cond_IR_No._45.4	Prior to Construction	In Progress		
3,955	Environment	NEB	Trans Mountain commits to reporting to the Board contamination that is encountered during construction, regardless of the source.	NEB_Cond_IR_No._45.5	During Construction	Superseded by NEB Condition	46	
3,956	Environment	NEB	Trans Mountain commits to notifying water well owners if contamination is discovered during construction within 150 m of a water well identified in Condition 93.	NEB_Cond_IR_No._45.5	During Construction	Superseded by NEB Condition	46	
3,957	Environment	NEB	Trans Mountain commits to updating the Contamination Identification and Assessment Plan (Condition 46) should any exemptions be obtained.	NEB_Cond_IR_No._45.7	During Construction	Scoping		
3,958	Environment	NEB	Trans Mountain commits to disseminating to the appropriate Project personnel and contractors any updates to the Contamination Identification and Assessment Plan (Condition 46) that result from an exemption.	NEB_Cond_IR_No._45.7	During Construction	Scoping		
3,959	Environment	NEB	Trans Mountain commits to incorporating locations where there is a higher likelihood of encountering contaminated groundwater into Tables 3 and 4 of the Contamination Identification and Assessment Plan (Condition 46) as applicable.	NEB_Cond_IR_No._45.8	Prior to Construction	Complete		
3,961	Environment	NEB	Trans Mountain commits to updating the relevant Environmental Protection Plan(s) based on any additional feedback received on the Traditional Land Use and Traditional Marine Resource Use Investigation Report (Condition 97).	NEB_Cond_IR_No._46.3	Prior to Construction	Superseded by NEB Condition	97	
3,963	Environment	NEB	Trans Mountain commits to using functional score in year 1 and not functional category, similar to years 3 and 5, of post-construction environmental monitoring (PCEM), to determine the need for offsets for temporary loss of wetland functions due to Project construction where the Federal Policy on Wetland Conservation (FPWC) applies.	NEB_Cond_IR_No._50.1a	During Operations	Superseded by NEB Condition	41	
3,964	Environment	NEB	Trans Mountain commits to updating the relevant environmental protection plans (EPPs) as necessary to reflect the changes in response to NEB Condition IR No. 50.1(a).	NEB_Cond_IR_No._50.1b	Prior to Construction	Superseded by NEB Condition	41	
3,967	Environment	NEB	Trans Mountain commits to advising the Canadian Hydrographic Service (CHS) and Vancouver Fraser Port Authority (VFPA) of the locations of the marine fisheries habitat offset area once complete, for inclusion to the applicable navigation charts as determined by the CHS.	NEB_Cond_IR_No._9.4c	During Construction	Superseded by NEB Condition	48	
3,976	Environment	NEB	Trans Mountain commits to conducting in-water impact pile driving at the Westridge Marine Terminal (WMT) during daylight hours only.	NEB_Cond_IR_No._25.7a	During Construction	Superseded by NEB Condition	81	
3,977	Environment	NEB	Trans Mountain commits to the Environmental Inspector arranging for in situ sampling of turbidity (nephelometric turbidity units), should visual monitoring during in-water pile installation at the Westridge Marine Terminal (WMT) indicate concern regarding turbidity levels.	NEB_Cond_IR_No._25.7c	During Construction	Superseded by NEB Condition	81	

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3,978	Environment	NEB	Trans Mountain commits to developing an appropriate site-specific health and safety plan to address worker and public protection when working in and around the landfill and exposure to solid waste, landfill gas and leachate and associated contaminants of concern, at the Former Fraser Mills site and Coquitlam Landfill. Site-specific plans will be filed with NEB 2 months prior to construction in the area of the high risk site.	NEB_Cond_IR_No._20.1.9c	Prior to Construction	Superseded by NEB Condition	46	
4,003	Environment	NEB	Trans Mountain will engage a qualified arborist to develop a Tree Plan specific to municipal lands directly impacted by the pipeline construction, in Spread 2. Trans Mountain will ensure this plan will identify the species and number of trees to be removed from the construction right-of-way. Trans Mountain will ensure it will be provided to the City or Municipality, and will be used to develop details of the Reclamation Plan in consultation with the City and landowners.	NEB_IR_No._6.12	Prior to Construction	Complete		
4,004	Environment	NEB	Trans Mountain will engage a qualified arborist to develop a Tree Plan specific to municipal lands directly impacted by the pipeline construction, in Spread 1. Trans Mountain will ensure this plan will identify the species and number of trees to be removed from the construction right-of-way. Trans Mountain will ensure it will be provided to the City or Municipality, and will be used to develop details of the Reclamation Plan in consultation with the City and landowners.	NEB_IR_No._6.12	Prior to Construction	No Longer Applicable		Tree plans not required by Edmonton and Sherwood Park.
4,005	Environment	NEB	Trans Mountain will engage a qualified arborist to develop a Tree Plan specific to municipal lands directly impacted by the pipeline construction, in Spread 6. Trans Mountain will ensure this plan will identify the species and number of trees to be removed from the construction right-of-way. Trans Mountain will ensure it will be provided to the City or Municipality, and will be used to develop details of the Reclamation Plan in consultation with the City and landowners.	NEB_IR_No._6.12	Prior to Construction	In Progress		
4,015	Environment	NEB	Trans Mountain commits to completing additional weed surveys in Lac du Bois Grasslands Protected Area.	NEB_Cond_IR_No._33.1	Prior to Construction	Complete		
4,016	Environment	NEB	Trans Mountain commits to entering Project weed survey data in the BC Invasive Alien Plant Program (IAPP) weed survey database on or before December 31st of each survey year.	NEB_Cond_IR_No._33.1	Project Lifecycle	Superseded by NEB Condition	45	
4,017	Environment	NEB	Trans Mountain commits to restricting herbicide use on Ministry of Transportation and Infrastructure lands to invasive plant management only.	NEB_Cond_IR_No._33.1	Project Lifecycle	Superseded by NEB Condition	45	
4,018	Environment	NEB	Trans Mountain commits to conducting treatments in accordance with the relevant regional Multi-Agency Pest Management Plan for Crown land.	NEB_Cond_IR_No._33.1	Project Lifecycle	Superseded by NEB Condition	45	
4,019	Environment	NEB	Trans Mountain commits to entering all treatment work conducted on Ministry of Transportation and Infrastructure lands in the BC IAPP treatment database on or before December 15th of each year treatments are completed.	NEB_Cond_IR_No._33.1	Project Lifecycle	Superseded by NEB Condition	45	
4,020	Environment	NEB	Trans Mountain commits to updating the Wildlife Conflict Management Plan (Section 6.5 of Volume 6 of the Environmental Plans) prior to construction, with the contact information as identified in the IR response (i.e., Grizzly Bear Sightings Hotline).	NEB_Cond_IR_No._33.1	Prior to Construction	Complete		

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92	Facilities Construction	Upper Nicola Band	If additional pit run material is required at Kingsvale Pump Station, Trans Mountain will ask the contractor(s) undertaking the civil construction work to find one or more borrow sources within a reasonable distance from the site.	Upper_Nicola_Band_IR_No._2(c).01.a	During Construction	Scoping		
394	Facilities Construction	NEB	Trans Mountain will use well maintained equipment to reduce air pollution and unnecessary noise and restrict the duration that vehicles and equipment are allowed to sit and idle to less than one hour unless air temperatures are less than 0°C.	Technical Update No. 1 and Consultation Update No. 2 - Part 2 Table 1.6.3-1 page 100	During Construction	Scoping		
489	Facilities Construction	NEB	Trans Mountain will file the exact final locations (including the GPS coordinates) of the new Line 2 pump stations and Black Pines Pump Station as a condition of future Project approval, if such an approval is granted or condition issued.	NEB_IR_No._3.047	Prior to Construction	In Progress		
494	Facilities Construction	City of Burnaby	A permanent station will be set up as part of the dock expansion and that will provide information to the terminal operator, ship, pilots and others on wind conditions at the Westridge dock.	City_Burnaby_IR_No._1.26.10c	During Construction	In Progress		
2,237	Facilities Construction	NEB	Trans Mountain commits to conduct a further geotechnical investigation at the north end of the Edmonton Terminal West Tank Area (WTA), for the proposed new storage tank foundations, during the detailed engineering and design phase. Trans Mountain will ensure a geotechnical screening evaluation will be completed to determine whether it is practical, useful and cost effective to attempt to drill somewhat deeper than might otherwise be required to determine if old underground mine workings exist in any zone that could be geotechnically material.	NEB_IR_No._4.60b	Prior to Construction	Complete		
2,580	Facilities Construction	NEB	Trans Mountain will ensure each pump station site will have no less than one resident inspector, and it is anticipated that there will be a combined construction management and inspection team of five to ten staff for each group of three or four pump stations.	Application Volume 4B s. 4.4.1 p4B-43	During Construction	Scoping		
2,582	Facilities Construction	NEB	Trans Mountain will ensure the Sumas Terminal site will have no less than one resident inspector, and it is anticipated that there will be a combined construction management and inspection team of five to ten staff.	Application Volume 4B s. 4.4.1 p4B-43	During Construction	Scoping		
3,966	Facilities Construction	NEB	Trans Mountain commits to the construction of the marine fisheries offset work in the Burrard Inlet occurring within the Westridge Marine Terminal Construction Safety Boom.	NEB_Cond_IR_No._9.4c	During Construction	Superseded by NEB Condition	48	
3,968	Facilities Construction	NEB	Trans Mountain commits to placing day and night navigation marks on the marine fisheries habitat offset area, as required by the Canadian Coast Guard (CCG) close to completion of construction.	NEB_Cond_IR_No._9.4c	During Construction	Superseded by NEB Condition	48	
3,971	Facilities Construction	NEB	Trans Mountain commits to placing construction warning signs every 80' along the Safety Boom, with lights positioned by the warning signs, during construction of Westridge Marine Terminal.	NEB_Cond_IR_No._9.5	During Construction	Superseded by NEB Condition	48	
3,972	Facilities Construction	NEB	Trans Mountain commits to placing on the shoreline, construction 1.2 x 1.2 metre warning signs approximately 150 m on either side of the Westridge Marine Terminal property boundary.	NEB_Cond_IR_No._9.5	During Construction	Superseded by NEB Condition	48	



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108	Facilities Engineering	Burnaby Board of Trade	Trans Mountain will ensure seismic design of storage tanks, including consideration of sloshing and other effects, is in accordance with the latest edition of the American Petroleum Institute (API) Standard 650, Welded Tanks for Oil Storage, Annex E, the recognized North American standard.	P-IR No. 1.02.03.d	Prior to Construction	Complete		
109	Facilities Engineering	Burnaby Board of Trade	Trans Mountain will ensure seismic design of storage tanks, including consideration of sloshing and other effects, is in accordance with the latest edition of the American Petroleum Institute (API) Standard 650, Welded Tanks for Oil Storage, Annex E, the recognized North American standard.	P-IR No. 1.02.03.d	Prior to Construction	Complete		
140	Facilities Engineering	City of Burnaby	As part of the proposed expansion of Westridge Marine Terminal, the existing diesel-powered standby emergency generator will be replaced with one of an appropriate (larger) size.	City_Burnaby_IR_No._1.25.03b	Prior to Operations	In Progress		
142	Facilities Engineering	City of Burnaby	The design of the proposed standby emergency power systems and the fire water pumping systems at Burnaby Terminal will include ensuring that the systems will operate within the legislative requirements for noise. The equipment will be installed in buildings designed to attenuate noise, as necessary.	City_Burnaby_IR_No._1.25.03d	Prior to Construction	Complete		
145	Facilities Engineering	City of Burnaby	The weather threshold for remaining moored at the dock will be determined as part of the final dock design engineering.	City_Burnaby_IR_No._1.26.10d, TERMPOL 3.13 Section 3 (Filing ID A3S4V0, PDF page 7)	Prior to Construction	Superseded by NEB Condition	84	
162	Facilities Engineering	Environment Canada	Trans Mountain will use the best available fugitive volatile organic compounds (VOC) emissions reduction technology that is suitable for the application at Westridge Marine Terminal, with the primary goals of reducing fugitive VOC emissions and odorous emissions from vessel loading to the greatest extent practical.	GoC_EC_IR_No._1.065b	Prior to Construction	Superseded by NEB Condition	53	
163	Facilities Engineering	Environment Canada	Trans Mountain will use the most applicable short term and long-term meteorological data, including wind extremes and the Environment Canada data, to inform the design of Westridge Marine Terminal.	GoC_EC_IR_No._1.011	Prior to Construction	Superseded by NEB Condition	52	
167	Facilities Engineering	Natural Resources Canada	Trans Mountain will consider applicable topography and site effects (soil effects), including amplification, in the design of tanks, tank foundations, and containments systems.	GoC_NRCan_IR_No._1.02.06	Prior to Construction	Superseded by NEB Condition	23, 24, 25	
170	Facilities Engineering	Sheilagh MacDonald	The Burnaby Terminal fire-protection system will be expanded and enhanced with new resources as described in Section 3.4.3.8.2 of Volume 4A.	MacDonald_S_IR_No._1.4b, Volume 4A, Section 3.4.3.8.2 (Filing ID A3S0Y8, PDF page 105)	Prior to Construction	Superseded by NEB Condition	127	
183	Facilities Engineering	Simpco First Nation	Trans Mountain will review the preliminary plot plans for the proposed new pump stations with the Simpcw First Nation, upon their request, when the plot plans are available, anticipated by the end of 2014.	SIMPCW_F_N_IR_No._1.047b	Prior to Construction	In Progress		
191	Facilities Engineering	Upper Nicola Band	The mainline pumps and some piping systems will be housed within a pump building that includes secondary containment with hydrocarbon detection.	Upper_Nicola_Band_IR_No._1.04a	Prior to Construction	Complete		
194	Facilities Engineering	NEB	A comprehensive assessment of all the above and below ground piping at Niton Pump Station will be completed to support the engineering assessment referenced in the response to NEB IR 1.88c.	NEB_IR_No._1.88d	Prior to Construction	Superseded by NEB Condition	31	

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202	Facilities Engineering	NEB	Drawings showing the scope of the proposed storage tank removals at Burnaby Terminal (existing Tank 74) will be prepared during the detailed engineering and design phase and during detailed construction planning in 2015.	NEB_IR_No._2.116a	Prior to Construction	Complete		
204	Facilities Engineering	NEB	For the proposed expansion at Edmonton Terminal, in the West Tank Area (WTA), Trans Mountain has committed to comply with the secondary containment capacity requirements of the Alberta Fire Code (AFC), which requires that the capacity of a shared containment area be 100% of the volume of the largest tank plus 10% of the volume of the other tanks within the area.	NEB_IR_No._2.128b.1	Prior to Construction	Superseded by NEB Condition	23	
205	Facilities Engineering	NEB	For the proposed expansion of Burnaby Terminal, Trans Mountain has committed to comply with the secondary containment capacity requirements of the British Columbia Fire Code (BCFC), which requires that the capacity of a shared containment area be 100% of the volume of the largest tank plus 10% of the volume of the other tanks within the area. For some tanks, secondary containment will be partially provided by remote impoundment, in accordance with the requirements of National Fire Protection Association (NFPA) Code 30.	NEB_IR_No._2.130b	Prior to Construction	Superseded by NEB Condition	24	
210	Facilities Engineering	NEB	Trans Mountain has committed to adopt facility design and emission control measures that do not result in any additional exceedances where air quality standards are predicted to be exceeded by existing developments and activities in the case of air emissions.	NEB_IR_No._2.041b	Prior to Construction	Superseded by NEB Condition	52, 53, 54, 55, 79	
211	Facilities Engineering	NEB	On the new line, all valves will be automated. The new line through Jasper that went in during the Anchor Loop project is also automated. For the existing line, valves will be automated on a priority basis including valves near river crossings and sensitive areas.	Part 2 – Public Consultation Update No. 1, Table 1.6-1	During Operations	Superseded by NEB Condition	17	
213	Facilities Engineering	NEB	Plans for constructing the proposed new storage tanks at Burnaby Terminal, without disturbing the containment function of existing berms or by providing temporary berms, will be developed during detailed construction planning in 2015.	NEB_IR_No._2.119d	Prior to Construction	Complete		
218	Facilities Engineering	NEB	Trans Mountain will apply industry best practices in the selection of lighting types and fixtures at Westridge Marine Terminal (WMT) that minimize extraneous light pollution, including the use of LED (light-emitting diode) technology.	NEB_IR_No._2.012a, NEB_IR_No._2.012b	Prior to Construction	Superseded by NEB Condition	82	
220	Facilities Engineering	NEB	Trans Mountain will complete an engineering assessment for the reactivation of two isolation valves at Jasper Pump Station by June 2016, in sufficient time to replace the valves in the unlikely event that they are deemed unfit for service on Line 1.	NEB_IR_No._1.88a	Prior to Construction	Superseded by NEB Condition	18	
221	Facilities Engineering	NEB	Trans Mountain will conduct a reliability, availability, and maintainability (RAM) analysis for Line 1 and Line 2 during the detailed engineering and design phase to confirm or adjust the availability factors and sparing philosophy. It is expected that the RAM analysis will be complete by the end of Q1 2015.	NEB_IR_No._1.93f	Prior to Construction	Complete		
222	Facilities Engineering	NEB	Trans Mountain will consider the need for installed or uninstalled (ready for quick installation) spare vapour recovery arms or alternate back-up connection systems, such as portable hoses (similar to what is currently used at WMT), during the detailed engineering and design phase.	NEB_IR_No._2.122g	Prior to Construction	Complete		

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223	Facilities Engineering	NEB	Trans Mountain will contract with a firm specializing in control systems to integrate the new equipment into a control scheme for each facility. The control scheme will utilize existing approved control philosophies and practices, and will be developed under the supervision of Trans Mountain operating staff.	Application Volume 4B-45.	Prior to Construction	Superseded by NEB Condition	116	
225	Facilities Engineering	NEB	Trans Mountain will follow the recommendations of the latest edition of American Petroleum Institute (API) Recommended Practice 2003, Protection Against Ignitions Arising Out of Static, Lightning and Stray Currents. Trans Mountain will also follow the requirements of the latest edition of Canadian Standards Association Canadian Electrical Code, C22.1, Safety Standard for Electrical Installations.	NEB_IR_No._2.075d	Prior to Construction	Complete		
232	Facilities Engineering	NEB	Trans Mountain will provide to the NEB the maximum inlet (suction) pressures for the Line 2 pump stations following completion of the transient hydraulic analysis, expected by Q2 2015.	NEB_IR_No._1.94c	Prior to Construction	Complete		
233	Facilities Engineering	NEB	Trans Mountain will submit the duration of dredging and the results of the sediment dispersion modelling to the NEB no later than 60 days prior to the start of dredging activities.	NEB_IR_No._1.50c	Prior to Construction	Superseded by NEB Condition	35	
237	Facilities Engineering	NEB	Where it is possible and / or desirable to avoid slack flow during pipeline shut down scenarios, mainline valves will be selectively closed to maintain line pack.	NEB_IR_No._2.090a	During Operations	Superseded by NEB Condition	135	
238	Facilities Engineering	NEB	With respect to storm-water runoff in the proposed Tank 100 and Tank 103 shared secondary containment at Sumas Terminal, Trans Mountain will provide a motor operated valve (MOV) on the proposed new secondary containment drain system, in a safe location outside of the secondary containment berm.	NEB_IR_No._2.129g	During Construction	In Progress		
239	Facilities Engineering	NEB	With respect to the 3 tanks to be built at Westridge Terminal, all proposed tanks will be located within secondary containment designed in accordance with Canadian Standards Association (CSA) Standard Z662 and the National Fire Protection Association (NFPA) Code 30. Trans Mountain will provide overfill protection in accordance with American Petroleum Institute (API) Standard 2350. All proposed tanks will be equipped with a radar gauging system for liquid level measurement and overfill protection.	NEB_IR_No._2.125b.3 and 2.125b.4	Prior to Construction	No Longer Applicable		Tanks have been excluded from the design so commitment is no longer relevant.
240	Facilities Engineering	NEB	With respect to the existing jet fuel unloading system at proposed Berth 1 at Westridge Marine Terminal (WMT), Trans Mountain will design and construct the replicated facilities using the same principles, standards, procedures, and practices that will be applied to the proposed new crude oil loading systems at WMT, thereby incorporating some improvements over the existing jet fuel unloading arm system.	NEB_IR_No._2.131d	Prior to Construction	Superseded by NEB Condition	4	
250	Facilities Engineering	British Columbia Hydro and Power Authority	Trans Mountain commits to working with BC Hydro to establish safe separation distances from the various power line circuits involved in the TMEP. (Kingsvale Transmission Line)	BC_Hydro_IR_No._1.1.1.3	Prior to Construction	In Progress		
253	Facilities Engineering	British Columbia Hydro and Power Authority	Trans Mountain will consult with BC Hydro's designated project manager during the Detailed Engineering and Design Phase of the Project to identify potential facility conflicts and develop reasonable mitigation plans. If mitigation requires BC Hydro to relocate facilities, Trans Mountain agrees to follow BC Hydro's Transmission Line Relocation Agreement (TLRA) process.	BC_Hydro_IR_No._1.2.1.1	Prior to Construction	In Progress		

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257	Facilities Engineering	Adams Lake Indian Band	A management of change process will be followed ensuring changes to mitigation measures are approved and communicated to appropriate project personnel and regulatory agencies as required.	ALIB_IR_No._1.6.02b	Prior to Construction	Superseded by Management Plan		
317	Facilities Engineering	Environment Canada	Trans Mountain will determine the requirement for dredging, quantity of material, etc. after completion of a geotechnical investigation, which is planned for the summer / fall of 2014.	EC P-IR_No._1.27	Prior to Construction	Superseded by NEB Condition	35	
415	Facilities Engineering	City of Burnaby	A permanent station will be set up as part of the dock expansion and that will provide information to the terminal operator, ship, pilots and others on wind conditions at the Westridge dock.	City_Burnaby_IR_No._1.26.10c	Prior to Construction	Complete		
432	Facilities Engineering	NEB	All pump stations and terminals in the expanded TMPL system will include emergency shutdown (ESD) systems that will operate automatically in some abnormal operating conditions and can also be activated remotely from the Pipeline Control Centre (PCC) or locally by field operations.	Part 2 – Consultation Update No. 1, 2-44	Prior to Construction	Superseded by NEB Condition	115	
468	Facilities Engineering	NEB	Trans Mountain commenced the process of gathering additional volatile organic compound (VOC) emissions information in 2014 and will conduct further measurements during tanker loadings at Westridge Marine Terminal (WMT) in 2015.	NEB_IR_No._3.019b	Prior to Construction	Superseded by NEB Condition	52	
490	Facilities Engineering	NEB	Conceptual design for the Line 2 pressure control and pressure relief systems proposed for the Hope site has been completed and a piping and instrumentation diagram (P&ID) will be prepared for Hazards and Operability (HazOp) review by Q3, 2015. The P&ID will be updated based on the HazOp recommendations and it is anticipated that the design basis will be completed by the end of Q3, 2015. Detail design is planned for 2016.	NEB_IR_No._3.051a.2	Prior to Construction	Superseded by NEB Condition	17, 104	
495	Facilities Engineering	NEB	Trans Mountain will provide updated pump station single line diagrams as a condition of future Project approval, if such an approval is granted or condition issued.	NEB_IR_No._3.057b	Prior to Construction	Superseded by NEB Condition	30	
496	Facilities Engineering	NEB	The communications block diagram for the existing Trans Mountain pipeline system will be updated during the detailed engineering and design phase to include the new Black Pines Pump Station site and to reflect the concept that back-up communications will be provided by satellite at Black Pines and at the existing pump station sites where new pump stations are being added as part of the Project.	NEB_IR_No._3.058b	Prior to Construction	Superseded by NEB Condition	116	
497	Facilities Engineering	NEB	Trans Mountain will provide the NEB with a copy of the design basis for the Westridge Marine Terminal fire protection system as a condition of future Project approval.	NEB_IR_No._3.065	Prior to Construction	Superseded by NEB Condition	118	
498	Facilities Engineering	NEB	Trans Mountain will file a summary of the Hazards and Operability (HazOp) reviews and contingency plans for Westridge Marine Terminal (WMT) as a condition of future Project approval, if such an approval is granted or condition issued.	NEB_IR_No._3.071e	Prior to Construction	Complete		
499	Facilities Engineering	NEB	Trans Mountain will install odour control systems on all of the proposed new tanks at Burnaby Terminal. As such Trans Mountain will utilize internal floating roofs on all of the proposed new tanks at Burnaby Terminal, a configuration which is required to enable the application of odour control systems.	NEB_IR_No._3.082b	Prior to Construction	Superseded by NEB Condition	54	
500	Facilities Engineering	NEB	Trans Mountain will provide the updated design of Westridge Marine Terminal (WMT), with respect to the wind data collected at WMT, as a condition of future Project approval, should such approval be granted or condition issued.	NEB_IR_No._3.83b	Prior to Construction	Superseded by NEB Condition	52	

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504	Facilities Engineering	NEB	The under-tank leak detection system proposed for each new storage tank at the Sumas Terminal will consist of perforated pipes which will drain to a sump adjacent to the tank. The leak detection system design will be in accordance with API 650, Annex I.	NEB_IR_No._3.093b, NEB_IR_No._2.118c	Prior to Construction	Superseded by NEB Condition	115	
539	Facilities Engineering	Environment Canada	Once the Process Design Basis for the emissions control system at Westridge Marine Terminal is finalized, Trans Mountain is willing to provide the process guarantees directly to the NEB and Environment Canada (EC).	GoC_EC_IR_No._2.071	Prior to Construction	Superseded by NEB Condition	53	
556	Facilities Engineering	Environment Canada	Trans Mountain will implement the following mitigation measures at the Westridge Marine Terminal to reduce potential effects from artificial lighting: • Prevent sky-lighting which may lead to bird disorientation/collisions, where feasible, by: using low level and low intensity lighting; using no lighting in areas where no work is planned; using downturned shaded fixtures in light standards; and using a higher lumen/watt (light out to power in) ratio, such as metal halide lighting.	GoC_EC_IR_No._2.050	Prior to Construction	Superseded by NEB Condition	82	
580	Facilities Engineering	Upper Nicola Band	Trans Mountain has developed a preliminary layout for the proposed new facilities at Kingsvale Pump Station, which generally defines the extent of the excavation required. The approximate volume is 10,000 m3. The final layout and associated excavation quantity will be determined during detailed engineering and design, which is expected to take place during 2016, assuming the current overall Project schedule is maintained.	Upper_Nicola_Band_IR_No._2(c).01.c	Prior to Construction	In Progress		
581	Facilities Engineering	Upper Nicola Band	Trans Mountain is committed to undertake a slope stability study for Kingsvale Pump Station during detailed engineering and design.	Upper_Nicola_Band_IR_No._2(c).01.e	Prior to Construction	Complete		
609	Facilities Engineering	NEB	Trans Mountain will voluntarily comply with the fire retardant design requirements of the National Fire Code of Canada and the British Columbia Fire Code for the existing secondary containment areas at Sumas Terminal.	NEB_IR_No._4_27a	Prior to Construction	Superseded by NEB Condition	22, 127	
610	Facilities Engineering	NEB	Trans Mountain will install fire protection systems on or nearby the proposed new tank at the Sumas Terminal.	NEB_IR_No._4_29b	Prior to Operations	Superseded by NEB Condition	118	
611	Facilities Engineering	NEB	Trans Mountain will focus efforts during detailed engineering, design, construction, and commissioning to prevent the alignment of conditions that could lead to a secondary containment pool fire event and the potential consequential effects at the Sumas Terminal.	NEB_IR_No._4_29c	Project Lifecycle	Superseded by NEB Condition	22	
613	Facilities Engineering	City of Burnaby	Trans Mountain is committed to evaluating other options for shoreline infilling and to minimizing the volume of dredging required, to the extent feasible.	City_Burnaby_IR_No._2.063a	Prior to Construction	Superseded by NEB Condition	35	
682	Facilities Engineering	City of Port Moody	A gas monitoring network will be installed for early detection of any leaks or equipment malfunction. The detection equipment will be integrated with the Westridge Marine Terminal control system to allow for continuous measurement of the performance of the Vapour Combustion Unit (VCU) and Vapour Recovery Units (VRUs) to ensure that they are operating efficiently and effectively.	City_of_Port_Moody_IR_No._2.3.31	Prior to Construction	Superseded by NEB Condition	52	
703	Facilities Engineering	Dorothy Doherty	New instrumentation for pressure and flow measurement for each of the delivery pipelines will be included in the designs of Burnaby Terminal.	Doherty_D_IR_No._2.1.m	Prior to Construction	Complete		
705	Facilities Engineering	Dorothy Doherty	Trans Mountain has seismic monitoring instruments at Burnaby Terminal today and will add additional seismic monitors as part of the Project.	Doherty_D_IR_No._2.5.a	Prior to Operations	In Progress		

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753	Facilities Engineering	City of Vancouver	Trans Mountain will file the details of the Westridge Marine Terminal control measures related to Environmental protection with the National Energy Board (NEB), when they are available, as a condition of future Project approval, if such approval is granted or condition issued.	City_of_Vancouver_IR_No._2.12.8	Prior to Construction	Superseded by NEB Condition	81	
819	Facilities Engineering	Fraser Valley Regional District	Trans Mountain has committed to use Vapour Recovery and Vapour Combustion technology at the Westridge Marine Terminal that will substantially reduce volatile organic compounds (VOC) emissions during product loading.	FVRD_IR_No._2.07a	Prior to Operations	Superseded by NEB Condition	52, 53	
851	Facilities Engineering	Strata NW 313	Trans Mountain will reduce air emissions from the Project by incorporating emission reduction technologies in the Project design.	Strata_NW313__IR_No._2.2.7a	Prior to Construction	Superseded by NEB Condition	52, 53, 54, 55, 79	
852	Facilities Engineering	Strata NW 313	Trans Mountain is committed to meeting the applicable ambient air quality objectives at the Sumas Terminal and this is the primary criterion for determining tank design and vapour control configurations.	Strata_NW313__IR_No._2.2.7a	Prior to Construction	Superseded by NEB Condition	54	
886	Facilities Engineering	Vancouver Fraser Port Authority DBA Port Metro Vancouver	Trans Mountain will meet or exceed accepted world standards in emission control practices as it has committed to design practices that represent state of the art technology and have selected a world leader in vapour control technology.	PMV_IR_No._2.24b	Prior to Construction	Superseded by NEB Condition	54, 55	
906	Facilities Engineering	Metro Vancouver	A gas monitoring network, including hydrocarbon detectors on the Vapour Combustion Unit (VCU) and Vapour Recovery Units (VRUs) and reduced sulphur compound (RSC) detectors around the site, will be installed, for early detection of any leaks or equipment malfunction. The detection equipment will be integrated with the Westridge Marine Terminal control system to allow for continuous measurement of the performance of the VCU and VRUs to ensure that they are operating efficiently and effectively.	Metro_Vancouver_IR_No._2.2.1a	Prior to Construction	Superseded by NEB Condition	52, 53	
920	Facilities Engineering	Simon Fraser University	Trans Mountain will agree to work directly with the City of Burnaby and SFU in the determination of the appropriate sizing of the new make-up water connection, if the City of Burnaby chooses to consider it.	SFU_IR_No._2.1.1.1	Prior to Construction	Complete		
1,523	Facilities Engineering	Living Oceans Society	Trans Mountain will implement additional controls to prevent the discharge of hydrocarbons into storm water including, as applicable to the Sumas Terminal : <ul style="list-style-type: none"> <li>Hydrocarbon detectors within secondary containments areas that, if triggered, will cause the automatic closure of the drain valve(s).</li> </ul>	Living_Oceans_IR_No._1.28a	Prior to Construction	In Progress		
2,177	Facilities Engineering	NEB	The sudden shut-down of all of the pump units at a pump station due to power failure has the potential to cause a pressure surge in the pipeline. Trans Mountain will complete a surge study during the detailed engineering and design phase and any recommendations, to mitigate potential pressure surges and any potential associated pipeline integrity-related issues, as applicable, will be incorporated into the design and into the operating limits and protective device settings.	NEB_IR_No._2.080b	Prior to Construction	Complete		
2,187	Facilities Engineering	NEB	Trans Mountain commits that the seismic design of the proposed new tank at Sumas Terminal, including consideration of sloshing and other effects, will be in accordance with the latest edition of the American Petroleum Institute (API) Standard 650, Welded Tanks for Oil Storage, Annex E, the recognized North American standard. All designs, including seismic considerations, will be undertaken by experienced and competent professional engineers, registered in British Columbia.	NEB_IR_No._2.129e	Prior to Construction	In Progress		

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2,294	Facilities Engineering	District of North Vancouver	Trans Mountain must file with the NEB for approval, at least 90 days prior to applying for leave to open, a report prepared by an independent body confirming the adequacy of the proposed fire protection and firefighting systems implemented or planned to be implemented at the Westridge Marine Terminal.  Trans Mountain will provide a copy of the report to interested local governments.	Reply Argument - Appendix A Comments on NEB Draft Conditions - Condition 109a	Prior to Operations	In Progress		
2,420	Facilities Engineering	District of North Vancouver	Trans Mountain will conduct an area lighting study when the detailed design of Westridge Marine Terminal has progressed to the point where lighting can be selected. While the purpose of area lighting is operational safety, impact to the surrounding communities will be given due consideration.	Reply Evidence 20.4 Considerations for Potential Light and Noise Issues - p3 - line 30	Prior to Construction	Complete		
2,421	Facilities Engineering	NEB	Trans Mountain will ensure the design of the proposed new storage tanks will be in accordance with the latest edition of the API Standard 650, Welded Tanks for Oil Storage, as per the legislative requirements.	Reply Evidence 20.6 Proposed New Storage Tanks - p10 - line 20	Prior to Construction	Complete		
2,424	Facilities Engineering	NEB	Trans Mountain will consider the risk assessment for Burnaby in coordination with the Hazards and Operability (HazOp) reviews and the implementation of any recommendations arising from the HazOp reviews.	Reply Evidence 20.6 Proposed New Storage Tanks - p11 - line 40	Prior to Construction	Complete		
2,435	Facilities Engineering	City of Burnaby	Trans Mountain will ensure all of the proposed new storage tanks at Burnaby Terminal will have water-draw piping, which may be used to remove water if it is deemed necessary as part of the tank water management program.	Reply Evidence 24.13 Boil Over - p35 - line 12	Prior to Operations	Complete		
2,436	Facilities Engineering	City of Burnaby	Trans Mountain will install a custody transfer quality, ultrasonic flow meter on each end of the two proposed new Burnaby to Westridge delivery pipelines, as well as the existing Burnaby to Westridge delivery pipeline. Trans Mountain will install the same type of meter on the proposed new mainline pipeline entering Burnaby Terminal.	City_Burnaby_IR_No._1.08.05n	Prior to Construction	Complete		
2,566	Facilities Engineering	NEB	Trans Mountain will ensure new tanks at Burnaby Terminal will be externally coated with a zinc primer/urethane top-coat system. The exterior colour will be determined with City of Burnaby and public input.	Application Volume 4A s. 3.4.3.4 p4A-75	During Construction	In Progress		
2,673	Facilities Engineering	NEB	Trans Mountain will consider the following design elements during detailed design to verify that acoustic performance of the pump stations meet or exceed the sound emission values used in the prediction study: <ul style="list-style-type: none"> <li>• Equipment sound emission (sound power levels),</li> <li>• Buildings and enclosures,</li> <li>• Vent louvres, and,</li> <li>• Equipment placement behind larger structures (barrier effects).</li> </ul>	Application Volume 5C TR-5C3 s. 7.2.1 p159, Application Volume 5C TR-5C3-Terrestrial Noise s. 7.3.1 p161, Application Volume 5C TR-5C3-Terrestrial Noise s. 7.4.1 p162	Prior to Construction	Complete		
2,856	Facilities Engineering	City of Abbotsford	Trans Mountain commits to consult with the City of Abbotsford concerning the earthen dike around the Sumas Pump Station and to implement any necessary mitigation measures.	City_Abbotsford_IR_No._1.17a	Prior to Construction	Scoping		
2,978	Facilities Engineering	New Democratic Party of Canada	Trans Mountain is committed to installing robust fire protection systems at all of the proposed new storage tank areas at Burnaby Terminal, which will include fixed, automated, rim-seal area and full-surface fire suppression on the storage tanks, the ability to apply cooling water streams, and the ability to apply foam to spilled oil to suppress combustible vapours.	NDP_IR_No._2.2.1b	During Construction	In Progress		

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3,051	Facilities Engineering	Burnaby Board of Trade	Trans Mountain will ensure seismic design of storage tanks, including consideration of sloshing and other effects, is in accordance with the latest edition of the American Petroleum Institute (API) Standard 650, Welded Tanks for Oil Storage, Annex E, the recognized North American standard.	P-IR No. 1.02.03.d	Prior to Construction	Complete		
3,467	Facilities Engineering	Living Oceans Society	Trans Mountain will implement additional controls to prevent the discharge of hydrocarbons into storm water including, as applicable to the Edmonton Terminal: <ul style="list-style-type: none"> <li>Hydrocarbon detectors within secondary containments areas that, if triggered, will cause the automatic closure of the drain valve(s).</li> </ul>	Living_Oceans_IR_No._1.28a	Prior to Construction	Complete		
3,470	Facilities Engineering	NEB	Tanks at the Burnaby Terminal will be placed within secondary containment areas and will be fitted with fire-protection systems.	Application Volume 2, 2-22.	Prior to Construction	Superseded by NEB Condition	22, 24	
3,483	Facilities Engineering	NEB	The under-tank leak detection system proposed for each new storage tank at the Burnaby Terminal will consist of perforated pipes which will drain to a sump adjacent to the tank. The leak detection system design will be in accordance with API 650, Annex I.	NEB_IR_No._3.093b, NEB_IR_No._2.118c	Prior to Construction	Complete		
3,485	Facilities Engineering	Dorothy Doherty	New instrumentation for pressure and flow measurement for each of the delivery pipelines will be included in the designs of Westridge Marine Terminal.	Doherty_D_IR_No._2.1.m	Prior to Construction	Complete		
3,487	Facilities Engineering	NEB	Tanks, pumps, motors, piping, and other components at the Burnaby Terminal will be protected by sophisticated control and ESD systems.	Application Volume 2, 2-22.	Prior to Construction	Complete		
3,489	Facilities Engineering	NEB	Trans Mountain will provide overflow protection in accordance with API 2350. All proposed tanks at the Burnaby Terminal will be equipped with a radar gauging system for liquid level measurement and overflow protection. The overflow protection arrangement will be finalized during the detailed engineering and design phase.	NEB_IR_No._3.093b, NEB_IR_No._2.118c	Prior to Construction	Complete		
3,491	Facilities Engineering	NEB	Trans Mountain will install fire protection systems on or nearby the proposed new tanks at the Burnaby Terminal.	NEB_IR_No._4_29b	Prior to Operations	In Progress		
3,492	Facilities Engineering	Living Oceans Society	Trans Mountain will implement additional controls to prevent the discharge of hydrocarbons into storm water including, as applicable to the Westridge Marine Terminal: <ul style="list-style-type: none"> <li>Hydrocarbon detectors within secondary containments areas that, if triggered, will cause the automatic closure of the drain valve(s).</li> <li>Storm water collection tank(s) (WMT), with hydrocarbon detectors that, if triggered, will cause the automatic closure of the drain valve(s).</li> </ul> Multiple tanks with weirs or high / low connections to provide bulk separation of crude oil and water, in an upset condition, are also being considered. In this context, the oil / water separators are the last elements of a multi-faceted system for protecting the environment during storm water discharge. The final configurations and features of the storm water management systems will be determined in the detailed engineering and design phase.	Living_Oceans_IR_No._1.28a	Prior to Construction	Complete		
3,493	Facilities Engineering	Living Oceans Society	Trans Mountain will implement additional controls to prevent the discharge of hydrocarbons into storm water including, as applicable to the Burnaby Terminal: <ul style="list-style-type: none"> <li>Hydrocarbon detectors within secondary containments areas that, if triggered, will cause the automatic closure of the drain valve(s);</li> <li>An intermediate retention area, with hydrocarbon detectors that, if triggered, will cause the automatic closure of the drain valve(s); and</li> <li>A tertiary containment area.</li> </ul>	Living_Oceans_IR_No._1.28a	Prior to Construction	Complete		



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3,562	Facilities Engineering	British Columbia Hydro and Power Authority	Trans Mountain commits to working with BC Hydro to establish safe separation distances from the various power line circuits involved in the TMEP. (Black Pines Transmission Line)	BC_Hydro_IR_No._1.1.1.3	Prior to Construction	In Progress		Trans Mountain has facilitated regular interface meetings with BC Hydro throughout 2015 and plan to continue in 2016 until all TMEP/BC Hydro interface issues are resolved. Attendance included representatives from KMC, UPI, HMM and the BC Hydro Distribution and Transmission teams. The BC Hydro Transmission teams are undertaking an assessment of the TMEP conflict areas and are providing feedback to Trans Mountain for safe separation distances from BC Hydro transmission lines. BC Hydro distribution studies at conflict areas are planned to be initiated in 2016.
3,565	Facilities Engineering	British Columbia Hydro and Power Authority	Trans Mountain will consult with BC Hydro's designated project manager during the Detailed Engineering and Design Phase of the Project to identify potential facility conflicts and develop reasonable mitigation plans. If mitigation requires BC Hydro to relocate facilities, Trans Mountain agrees to follow BC Hydro's Transmission Line Relocation Agreement (TLRA) process.	BC_Hydro_IR_No._1.2.1.1	Prior to Construction	In Progress		
21	Health and Safety	City of Abbotsford	Trans Mountain commits to no complete closure of the two Ward Roads and one Sumas Road crossings in the City of Abbotsford between Sumas Shale and Jamieson Quarry.	City_of_Abbotsford_IR_No._1.02a	During Construction	In Progress		
22	Health and Safety	City of Abbotsford	Trans Mountain is committed to working with the City of Abbotsford with respect to the Project and current operations to ensure the safety of the public that live, work and play near the pipeline and facilities.	City_of_Abbotsford_IR_No._1.16c, City_of_Abbotsford_IR_No._1.16e	Prior to Construction	Superseded by NEB Condition	14, 49	
28	Health and Safety	City of Abbotsford	Trans Mountain will engage Mt. Lehman Fire Hall and Abbotsford municipal officials to ensure access and egress are available for emergency vehicles during construction. These plans will be communicated to Abbotsford once definitive plans are available.	City_of_Abbotsford_IR_No._1.21a	Prior to Construction	In Progress		
30	Health and Safety	City of Burnaby; Fraser Valley Regional District	As part of detailed engineering and construction planning local Traffic Control Plans (TCPs) will be completed in consultation with provincial and municipal authorities. TCPs will take into account traffic volumes to minimize, to the greatest extent possible, the time and quantity of traffic disruption to roadway users.	City_Burnaby_IR_No._1.35.05k  FVRD_IR_No._1.32	Prior to Construction	Superseded by NEB Condition	73	
31	Health and Safety	City of Burnaby	Issues and concerns from Municipal, School Administrators, and Community Facilities will be documented and incorporated into Trans Mountain Expansion Project Health and Safety Management Plan and Prime Contractor's Project-Specific Safety Plans (PSSPs).	City_Burnaby_IR_No._1.06.08b, NEB_IR_No._1.15c (A3W9H8, page 117)	Prior to Construction	Superseded by NEB Condition	64	
37	Health and Safety	Natural Resources Canada	Through its contract documents, Trans Mountain will ensure ongoing consultation between the Prime Contractor and fire management authorities regarding construction schedules, including locations, and for discussions and implementation of planning as it pertains to wildfire danger conditions during the fire season.	GoC_NRCan_IR_No._1.07.1a	Prior to Construction	Superseded by NEB Condition	89	
41	Health and Safety	Regional District of Fraser-Fort George	Trans Mountain Commits to implement Localized Traffic Control Plans (TCPs) to minimize disruption, to the greatest possible extent, to Village and Regional District-owned property, and in consultation with municipal representatives of the Regional District of Fraser-Fort George and Valemout.	RD_of_Fraser-Fort_George_IR_No._1.12d	Prior to Construction	Superseded by NEB Condition	73	
47	Health and Safety	Township of Langley	Trans Mountain will consult with the Township of Langley in the development of the traffic and access management plans, and traffic control plans, to mitigate potential negative effects.	Langley_IR_No._1.14e	Prior to Construction	Superseded by NEB Condition	73	

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50	Health and Safety	NEB	To comply with the systematic Safety Management Program approach as required by Section 47 of the NEB Onshore Pipeline Regulations (OPR), an Emergency Response Plan (ERP) will be developed and implemented for TMEP construction. The TMEP ERP for construction will be separate from, and complementary to, the Trans Mountain operations ERP and will lay out the guidelines for the development of the prime contractors' detailed site-specific ERPs. The TMEP ERP for construction will address legislative requirements and be based on recognized industry standards of practice. The site-specific ERPs will address potential construction emergency situations requiring response by TMEP construction resources (as supplied by the prime contractors), Trans Mountain operations resources, or external resources, in keeping with the philosophy of using the most immediately available resources.	Part 2 – Consultation Update No. 1, 2-45	Prior to Construction	Superseded by NEB Condition	89	
51	Health and Safety	NEB	Trans Mountain will develop detailed traffic estimates as construction and Project planning related to the movement of people, materials and equipment continues. Trans Mountain will also develop further logistics information on transportation modes and routes to be used during the construction phase, as well as timing transportation movements to each construction spread and/or facility location.	Application Volume 5B, 7-129.	Prior to Construction	Superseded by NEB Condition	73	
53	Health and Safety	NEB	Trans Mountain will employ a number of measures to reduce Project-related vehicles and limit the effects associated with construction-related traffic, including providing daily shuttle bus services from staging areas to work sites and for local workers from pre-determined regional staging areas.	Application Volume 5B, 7-129.	Prior to Construction	Superseded by NEB Condition	73	
54	Health and Safety	NEB	Trans Mountain will have a Traffic and Access Control Management Plan and will direct contractors to have Traffic Control Plans, and the Project employ numerous measures to reduce its transportation footprint.	Application Volume 5B, 7-135.	Prior to Construction	Superseded by NEB Condition	73	
56	Health and Safety	NEB	Trans Mountain will implement controls, in accordance with the applicable legislative requirements, to prevent damage to over-head and underground power systems during construction.	NEB_IR_No._2.080a	Prior to Construction	Superseded by NEB Condition	63	
57	Health and Safety	NEB	Trans Mountain will make the Code of Conduct available to all workers.	NEB_IR_No._1.16c	During Construction	Superseded by NEB Condition	64	
66	Health and Safety	City of Burnaby; NEB	Trans Mountain will submit to the NEB a Construction Safety Manual 90 days in advance of construction commencing.	NEB_IR_No._1.15a, City_Burnaby_IR_No._1.06.08b	Prior to Construction	Superseded by NEB Condition	64	
77	Health and Safety	NEB	All construction sites with 20 or more workers will be required to establish a Work Place (Joint Worksite) Health and Safety (JWH&S) committee. The purpose of the committee is to review significant incidents and provide feedback on potential corrective actions as well as ensure that issues pertaining to work place health and safety are addressed with worker input.	Application Volume 4B, 4B-50.	During Construction	Superseded by NEB Condition	73	
78	Health and Safety	NEB	During construction, in areas where there may be a concern regarding the safety of the public, restricted areas are established. Trans Mountain will have a construction site safety and security plan in place and it will be communicated to the town representatives and adjacent residents.	Application Volume 5B, 3-70.	During Construction	Superseded by NEB Condition	63, 64	
89	Health and Safety	City of Surrey; City of Vancouver	Trans Mountain will prepare a construction Emergency Response Plan (ERP).	City_of_Surrey_IR_No._1.4h, City_of_Vancouver_IR_No._1.08.02	Prior to Construction	Superseded by NEB Condition	89, 125, 126	

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127	Health and Safety	NEB	Trans Mountain commits to consult with municipal and regional authorities and, as relevant, administrators of school and community facilities, on Public Protection measures. Agreed to measures will be incorporated into the Trans Mountain Health and Safety Management Plan which will form the minimum standards of Prime Contractor's Project Specific Safety Plans. Relevant Issues and concerns from Municipal, School Administrators, and Community Facilities will be documented.	NEB_IR_No._1.15c	Project Lifecycle	Superseded by NEB Condition	64	
283	Health and Safety	BC Parks; NEB	Prior to construction a danger tree risk assessment will be carried out in accordance with Occupational Health and Safety Regulation to ensure worker safety under WorkSafeBC.	BC Parks boundary adjustment application (August 2014)	Prior to Construction	Superseded by NEB Condition	64	
502	Health and Safety	NEB	Site specific safe work procedures and mitigation measures for the Edmonton Terminal will be developed during detailed construction planning.	NEB_IR_No._3.93b	Prior to Construction	Superseded by NEB Condition	64b	
638	Health and Safety	City of Burnaby	The proposed primary access routes at Burnaby Terminal will be designed and constructed so that emergency response access is available from a minimum of two independent directions.	City_Burnaby_IR_No._2.030 e.iii)	During Construction	In Progress		
639	Health and Safety	City of Coquitlam	Trans Mountain will develop localized, detailed Traffic Control Plans (TCP's) in cooperation with selected Contractors and with continued consultation with municipalities where work on public roadways is required, including United Boulevard.	City_of_Coquitlam_IR_No._2.A.1.c	Prior to Construction	Superseded by NEB Condition	73	
648	Health and Safety	The City of Edmonton	Trans Mountain will develop a Traffic and Access Control Management Plan in consultation with the City of Edmonton prior to construction.	City_of_Edmonton_IR_No._2.3a	Prior to Construction	Superseded by NEB Condition	73	
649	Health and Safety	The City of Edmonton	After the development of the site-specific construction Emergency Response Plan (ERP), Trans Mountain will provide a hard copy or electronic copy to the City of Edmonton as requested.	City_of_Edmonton_IR_No._2.4.3b	Prior to Construction	Superseded by NEB Condition	89	
652	Health and Safety	City of Kamloops	Trans Mountain is committed to consultation with the City of Kamloops on traffic management plans.	City_of_Kamloops_IR_No._2.01g	Prior to Construction	Superseded by NEB Condition	73, 14, 49	
663	Health and Safety	City of New Westminster	Trans Mountain is committed to consultation with the City of New Westminster on traffic management plans.	City_New_Westminster_IR_No._2.C.2.iii	Prior to Construction	Complete		
665	Health and Safety	City of New Westminster	Trans Mountain will undertake a communications and notification program to ensure local businesses, services and members of the public are made aware of potential construction impacts including lane restrictions, road closures and alternate access plans.	City_New_Westminster_IR_No._2.C.2	Prior to Construction	Superseded by NEB Condition	73	
668	Health and Safety	City of New Westminster	Trans Mountain is committed to working with CN with respect to the Project and current operations to ensure the safety of the public that live and work near facilities.	City_New_Westminster_IR_No._2.E.1.ii	Prior to Construction	In Progress		
679	Health and Safety	NEB	Trans Mountain commits to having data collection conducted to obtain current corridor level traffic demands in the vicinity of Westridge Marine Terminal access points. The counts will cover the Inlet Drive/Hastings Street corridor as well as residential streets Bayview Drive and Cliff Avenue.	NEB_Cond_IR_No._31.1	Prior to Construction	Complete		
722	Health and Safety	Township of Langley	Trans Mountain is committed, as part of the discussion with the Township of Langley, to providing forward notification to affected residents and/or businesses.	Langley_IR_No._2.17.a	Prior to Construction	Superseded by NEB Condition	64, 73	

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859	Health and Safety	Samson Cree Nation	Should the Project be granted approval, Trans Mountain will implement measures to manage access during construction with the objectives of safety for Project participants and the public and to minimize Project Environmental disturbance. Trans Mountain will work with traditional land and resource users to select designated access locations for crossings over the construction right-of-way to allow safe access to traditional land.	Samson_Cree_Nation_IR_No._2.1.9	During Construction	Superseded by NEB Condition	73	
998	Health and Safety	City of Burnaby; Landowner - Frances Hawes	To facilitate movement of all traffic, including pedestrian, cyclist and vehicle traffic, Traffic Control Plans (TCPs) will be established at the Trans Mountain Trail and Burnaby Mountain Urban Trail crossings in consultation with local municipalities. Access and use disruptions will be minimized as possible using low-impact road-crossing construction methods.	Hawes_F_IR_No._1.2a; NEB_Route_Hearing_Transcript_Seg_7_Vol_3_para_1865,1931	Prior to Construction	Superseded by NEB Condition	73	
1,000	Health and Safety	Regional District of Fraser-Fort George	During construction of the pipeline, Trans Mountain commits to ensure access to the Valemount transfer station for the haul truck (tractor) and 50-foot trailer during normal operating hours.	RD_of_Fraser-Fort_George_IR_No._1.12f	During Construction	In Progress		
1,002	Health and Safety	Regional District of Fraser-Fort George	As an essential service road, Trans Mountain can commit to ensuring no complete closure of the road to the transfer station during normal transfer station hours such that access is available to the maximum possible extent. If open-cut crossing methods are employed on this road, Trans Mountain will further commit to consulting with transfer station operations representatives to determine an optimum construction schedule, including conducting Project activities outside normal transfer station hours. Access will be maintained for members of the public and local government staff.	RD_of_Fraser-Fort_George_IR_No._1.12g, RD_of_Fraser-Fort_George_IR_No._1.12e	During Construction	In Progress		
1,651	Health and Safety	Sto:lo Collective	As noted in the response to NEB IR No. 1.17d1 (Filing ID A3W9H8), Trans Mountain will develop a Project-specific policy pertaining to substance abuse. The overarching goal of the policy will be to assist the Project in maintaining a safe and productive work environment for all workers and the public, and to minimize pressure on regional medical, social and police services related to alcohol and drug related incidents. As noted in the Socio-Economic Management Plan in Appendix C of Volume 6B of the Application, Trans Mountain will adhere to a policy of no tolerance of use or being under the influence of illicit drugs or alcohol during work hours. The policy will also outline guidance and expectations for workers related to medication which may impair their ability to competently carry out job requirements. As noted in the Socio-Economic Management Plan, Trans Mountain will develop mandatory minimum driving standards that will include the prohibition of drug and alcohol influence while operating motor vehicles.	Sto:lo Collective Recommendation #75, #78	Prior to Construction	Complete		
1,654	Health and Safety	Sto:lo Collective	Contractors will be required to adhere to Safety Management Programs and workers will be required to adhere to the employee Code of Conduct which will address substance and alcohol abuse.	Sto:lo Collective Recommendation #76	Prior to Construction	Superseded by NEB Condition	64	
2,258	Health and Safety	City of Abbotsford	Trans Mountain can commit to developing localized Traffic Control Plans (TCPs) to avoid diverting or delaying quarry truck traffic to residential streets and ensuring no complete closure of these roads during normal quarry operation hours such that access is available to the maximum extent possible.	City of Abbotsford IR No. 1.02a	During Construction	Scoping		

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2,413	Health and Safety	City of Coquitlam	If, through detailed planning and discussion and consultation with the City of Coquitlam in the Technical Working Groups (TWGs), it is determined that emergency response times cannot be reasonably maintained, or that potential disruptions to access within the TMEP construction zones will occur, Trans Mountain would support the establishment of a temporary fire and emergency response station during the construction phase of TMEP.	Reply Evidence 19.1 Summary of New Commitments - p2 - line 21	During Construction	In Progress		
2,577	Health and Safety	NEB	Trans Mountain will report any unintentional fires caused by activities related to access road construction, logging, or debris disposal, it will be reported to the appropriate regulators and controlled. Fire control efforts will be described in the TMEP Fire Response Contingency Plan (FRCP). The FRCP will be completed prior to the commencement of clearing operations.	Application Volume 4B s. 3.4.2.1 p4B-15, Application Volume 4B s. 5.2.6 and 5.2.7	Prior to Construction	Superseded by NEB Condition	89	
2,584	Health and Safety	NEB	The site-specific Traffic Control Plans (TCPs) will consider the use of ferrying at Westridge Marine Terminal as a traffic mitigation measure.	Application Volume 4B s. 4.4.2 p4B-43	Prior to Construction	Complete		
2,872	Health and Safety	City of Burnaby	Trans Mountain will ensure the Lougheed highway remains open throughout the entire construction phase of the project.	City_of_Burnaby_IR_No._1.43.2a-Response_to_Motion	During Construction	In Progress		
3,629	Health and Safety	Village of Valemount	Trans Mountain will contact solid waste management consultant re Valemount landfill capacity .	Non-Regulatory Commitment	Prior to Construction	In Progress		
3,633	Health and Safety	City of Coquitlam	Trans Mountain will complete updated traffic counts in United Boulevard area.	Non-Regulatory Commitment	Prior to Construction	Complete		
3,634	Health and Safety	City of Kamloops	Trans Mountain will maintain access to Aviation Way, Kamloops during construction (daily access required).	Non-Regulatory Commitment	During Construction	In Progress		
3,635	Health and Safety	Regional District of Fraser-Fort George	Trans Mountain will maintain consistent access to the Valemount landfill during construction.	Non-Regulatory Commitment	During Construction	In Progress		
82	Lands and ROW	Burnaby Teachers' Association	Trans Mountain Pipeline ULC can guarantee that no school will be expropriated in order to construct the Trans Mountain Expansion Project.	BTA_IR_No._1.1	Prior to Construction	Complete		
155	Lands and ROW	City of Burnaby	Trans Mountain will make agreements with and abide by all permit requirements from the Canadian National Railway and the Burlington Northern Santa Fe Railway.	City_Burnaby_IR_No._1.43.02s	Prior to Construction	In Progress		
209	Lands and ROW	NEB	In communities where routing may deviate from the existing Trans Mountain Pipeline (TMPL) right-of-way, Trans Mountain will discuss and apply routing considerations and decision-making criteria in discussions with local stakeholders. Trans Mountain will inform landowners and lessees of the route location and construction schedule, to allow sufficient time to plan and implement alternative land use decisions.	Application Volume 5B, 3-6.	Prior to Construction	Complete		
372	Lands and ROW	City of Abbotsford	Should Ledgeview Golf Course experience lost revenue as a result of the construction of the Trans Mountain Expansion Project, Trans Mountain would intend to employ 'actual loss' compensation for any reductions in golf course revenue caused by the construction and operation of the pipeline.	City_of_Abbotsford_IR_No._1.25b	Prior to Operations	In Progress		
374	Lands and ROW	C.G.L.A.P. - Collaborative Group of Landowners Affected by Pipelines	Trans Mountain will bear the costs associated with the removal of soil, rocks, and debris, including the costs for permitting of the removal that are directly attributable to the Project.	CGLAP_IR_No._2.7h	During Construction	Scoping		

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378	Lands and ROW	Brian Kingman	The Kingman's are to be offered the Right of First Refusal on the logs cut on their property or equivalent compensation. The tree stumps from cut trees will be ground up by a grinder or hauled away from the property. The details of which trees are to be removed will be determined in a site visit between Landowner and the Trans Mountain Land Agent and documented on construction Line List provided to contractor.	Kingman_B_IR_No._1.3b	During Construction	Scoping		
380	Lands and ROW	NEB	If the Project is approved, formal notification to all directly affected tenure and disposition holders will take place in advance of construction activity. Communication with landowners and occupants is ongoing and questions or concerns will continue to be addressed throughout the life of the Project.	Application Volume 3C, section 1.3.1, page 3C-4	Prior to Construction	Superseded by NEB Condition	72, 78, 81	
381	Lands and ROW	NEB	Trans Mountain confirms that all necessary third party crossing agreements will be obtained prior to construction.	NEB_IR_No._2.016	Prior to Construction	Superseded by NEB Condition	103	
382	Lands and ROW	NEB	Trans Mountain will acquire the necessary easement interests, permits and rights from private land owners in both Alberta and BC for the construction, operation, and maintenance of the Project within Spread 1.	Application Volume 2, 2-59.	Prior to Construction	In Progress		
385	Lands and ROW	NEB	Trans Mountain will work with local landowners in the Fraser Valley to determine agricultural practices, including deep sub soiling, to determine depth of cover requirements.	Technical Update No. 1 and Consultation Update No. 2 - Part 2 Table 1.6.3-1	Project Lifecycle	In Progress		
602	Lands and ROW	C.G.L.A.P. - Collaborative Group of Landowners Affected by Pipelines	Trans Mountain will provide Landowners within Spread 5B with a schedule of work to be conducted on their lands, at least 21 days in advance of the start of construction.	CGLAP_IR_No._2.9d	Prior to Construction	In Progress		
603	Lands and ROW	C.G.L.A.P. - Collaborative Group of Landowners Affected by Pipelines	Trans Mountain commits that its land agents working on the Trans Mountain Expansion Project (TMEP) will complete the Canadian Energy Pipeline Association Land Agent Program.	CGLAP_IR_No._2.9g	Prior to Construction	In Progress		
641	Lands and ROW	City of Coquitlam	Trans Mountain will commit to paying for the costs associated with relocation or alteration of existing Methane collection system if it is required to do so for Trans Mountain Expansion Project (TMEP) construction.	City_of_Coquitlam_IR_No._2.D.5a	Prior to Construction	In Progress		
675	Lands and ROW	City of Abbotsford; City of North Vancouver; Fraser Valley Regional District; NEB	Trans Mountain is prepared to reimburse municipalities for reasonable costs and staff time required to monitor and assist Trans Mountain workers in constructing the Project on municipal lands and in locations where municipal services are located (either parallel to or crossed by Project).	City_North_Vancouver_IR_No._2.3.12.a; City of Abbotsford IR No._2.3.09a; NEB_IR_No._6.19; This commitment was made since the close of intervenor's evidence in this proceeding: Trans Mountain Letter to Mayor Braun, City of Abbotsford, July 20, 2015.	During Construction	Scoping		
732	Lands and ROW	City of Richmond	Should residual impacts or damages remain from construction, or damages result from operations of the pipeline, Trans Mountain would provide commensurate compensation for damages directly related to and caused by the construction or operations of the pipeline.	City_of_Richmond_IR_No._2.2.11	During Operations	Scoping		

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733	Lands and ROW	City of Burnaby; City of Richmond	Trans Mountain would intend to employ 'actual loss' compensation for any reductions in revenue caused by the construction and operation of the pipeline.	City_of_Richmond_IR_No._2.2.11 City_Burnaby_IR_No._1.35.01b	Project Lifecycle	Scoping		
834	Lands and ROW	Strata NW 313	Trans Mountain will have full-time land agents available throughout construction to liaise between landowners, construction management and contractors.	Strata_NW313_IR_No._2.03	Prior to Operations	In Progress		
893	Lands and ROW	Shxw'owhámel First Nation	If the Board determines that the alternative corridors are appropriate and recommends approval of the preferred corridor along with the limited alternative corridors, Trans Mountain will commit to filing with the Board three months in advance of commencing construction its final determination in relation to the alternative corridors identified below.	SFN_IR_No._2.1.1b	Prior to Construction	Superseded by Legal/Regulatory Requirement		Superseded by Regulatory Requirement PPBoR
978	Lands and ROW	Canadian Parks and Wilderness Society - BC Chapter	Subject to regulatory approval by the National Energy Board, further notification to all directly affected tenure and disposition holders will take place in advance of construction activity.	CPAWS_IR_No._1.1.2	Prior to Construction	Superseded by NEB Condition	72, 78, 81	
1,315	Lands and ROW	Township of Langley	Trans Mountain is prepared to reimburse municipalities for reasonable costs and staff time required to monitor and assist Trans Mountain workers in constructing the Project on municipal lands and in locations where municipal services are located (either parallel to or crossed by Project).	Langley_IR_No._2.13.e	During Construction	Scoping		
1,437	Lands and ROW	C.G.L.A.P. - Collaborative Group of Landowners Affected by Pipelines	Trans Mountain is endeavouring to include within the construction workspace agreement sufficient time to construct and restore the land following construction. Should those activities extend beyond the agreed upon schedule and require land use beyond that term specified in the agreement, Trans Mountain will negotiate additional compensation for the additional term required.	CGLAP_IR_No._2.9i	During Operations	In Progress		
1,445	Lands and ROW	NEB	Trans Mountain will only install an additional pipeline or pipelines in the Statutory Right-of-Way (SRW) Area with the consent and agreement of the Owner, or, in the absence of such consent and agreement, in accordance with all authorizations and determinations, including with respect to any additional compensation payable, made under the Act.	Application Volume 2, appendix E, page 6 of 8	Prior to Construction	No Longer Applicable		Commitment addressed by Commitment 382
1,447	Lands and ROW	NEB	Trans Mountain will directly notify affected tenure holders so they can select alternate areas for their activities. Compensation, considering various forms, will be provided to affected trappers according to established industry and provincial protocols if reduced fur harvest and lost revenue is proven. (Spread 1)	Application Volume 5B, 7-108.	Prior to Construction	In Progress		
1,512	Lands and ROW	Fraser Valley Regional District	Trans Mountain will provide compensation for crop loss for a period based upon the soil and crop type, and anticipated duration for soil and crop productivity to return to pre-construction condition.	FVRD_IR_No._1.29a	Project Lifecycle	Scoping		
1,574	Lands and ROW	Cedar Springs Strata Corporation	The detailed engineering and finalized dimensions of the temporary workspace are anticipated to be available for review by the Cedar Springs Strata during the second quarter of 2015. Given the developed nature of the landscaping within Cedar Springs, Trans Mountain will endeavour to use construction practices that reduce the width of the construction right-of-way within the Strata as much as is feasible, given construction and safety requirements.	Cedar_Springs_Strata_Corporation_Preliminary_(P)_IR_No._1.02a	During Construction	Scoping		

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1,603	Lands and ROW	NEB	Trans Mountain will initiate a post-construction dialogue with landowners and leaseholders along the pipeline right-of-way after final clean-up to address and/or resolve any relevant issues. Construction-related issues that are raised during ongoing operation will be addressed by Trans Mountain. Trans Mountain will maintain a database to track landowner and leaseholder consultation information.	Application Volume 6A, 9-4.	During Operations	Scoping		
1,649	Lands and ROW	Sto:lo Collective	Should businesses experience lost revenue as a direct result of the construction or operations of the Trans Mountain Expansion Project, Trans Mountain would intend to employ 'actual loss' compensation for any reductions in revenue caused by the construction and operation of the pipeline.	Sto:lo Collective Recommendation #73	Project Lifecycle	Scoping		
1,662	Lands and ROW	Gerald Stroud	Trans Mountain is committed to continuing to engage with Mr. Stroud from construction through to operations, including about safety and emergency management, and will provide information as required.	NEB_Route_Hearing_Transcript_Seg_1_&_2_Vol_5_paragraph_4468  NEB_Route_Hearing_Decision_Seg_1_&_2_GeraldStroud_Sec_2.1.4	Project Lifecycle	Superseded by NEB Condition	72, 78, 81	
1,664	Lands and ROW	City of Abbotsford	Trans Mountain commits to having a land agent available during Sandy Hill direct pipe installation to address any construction-related concerns with directly impacted landowners.	May 31, 2017 TWG Meeting	During Construction	Scoping		
1,674	Lands and ROW	Landowner - Shawn Berry	Trans Mountain is committed to: <ol style="list-style-type: none"> <li>1. limiting tree removal over the drill path to under brushing;</li> <li>2. only removing trees which are hindering the alignment of the steering cable;</li> <li>3. replacing fencing that was there at the time of construction with new fencing;</li> <li>4. discussing with the Mr. and Mrs. Berry, any fencing requirements to limit or maintain (local) access;</li> <li>5. including on the line list any resulting fencing requirements;</li> <li>6. using native grass seed and/or shrub or tree planting for reclamation of cleared areas;</li> <li>7. no burning of timber on the property;</li> <li>8. implementing its Environmental Protection Plan (EPP) including mitigations for topsoil salvage and reclamation, weed control, and noise;</li> <li>9. providing Mr. and Mrs. Berry with the EPP and other relevant management plans, and meeting with them to discuss these plans; and</li> <li>10. continuing to engage with Mr. and Mrs. Berry.</li> </ol>	NEB_Route_Hearing_TMEP_Evidence_Seg_1_&_2_ShawnBerry  NEB_Route_Hearing_Transcript_Seg_1_&_2_Vol_3_paragraph_795,873,937,1096-1100,1129,1130  NEB_Route_Hearing_Decision_Seg_1_&_2_ShawnBerry_Sec_2.2	Project Lifecycle	Addressed by Construction Line List and Environmental Alignment Sheets		



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1,676	Lands and ROW	Landowner - Stuart Palk and Wendy Bailer Palk	Trans Mountain is committed to: 1. minimizing tree clearing, provided that the regulatory safety and pipeline integrity requirements can be satisfied, this includes preserving the trees over the new pipeline horizontal directional drill path; 2. adding Mr. Palk and Ms. Bailer Palk's water well to the Environmental Alignment Sheets; 3. consulting with Mr. Palk and Ms. Bailer Palk when drafting the contingency plan for the conventional open cut construction, if the horizontal directional drill crossing; 4. providing Mr. Palk and Ms. Bailer Palk with the Environmental Protection Plan and other relevant management plans, and meeting with them to discuss these plans; and 5. continuing to engage with Mr. Palk and Ms. Bailer Palk.	NEB_Route_Hearing_TMEP_Evidence_Seg_1_&_2_StuartPalk_&_WendyBailerPalk  NEB_Route_Hearing_Transcript_Seg_1_&_2_Vol_3_paragraph_1451,1966-1972,2169-2170,2213-2214,2217  NEB_Route_Hearing_Decision_Seg_1_&_2_StuartPalk_&_WendyBailerPalk_Sec_3	Project Lifecycle	Addressed by Construction Line List and Environmental Alignment Sheets		
1,677	Lands and ROW	Landowner - Erich Ploentzke	Trans Mountain is committed to: 1. reclaiming the lands to a stable condition as well as implementing special reclamation measures (e.g., tree replacement) as set out in the Reclamation Management Plan at select locations such as watercourses and wetlands; 2. a three day turnaround from notification to flagging of the pipeline, when Mr. Ploentzke proposes work in the prescribed area; 3. using only organic fertilizers and adding this information to the line list; 4. having an environmental inspector present during the construction activities to keep soils separate; 5. completing a segment-by-segment report on restoration efforts, issues faced during construction and any issues that need to be resolved, as part of post-construction monitoring; 6. working to conserve topsoil by proper separation as outlined in the Environmental Protection Plan; 7. constructing in the winter starting in November (with possible top soil stripping in October) and ending by May, with best efforts for reclamation done in time for the golf course opening; 8. a watering operation using water trucks if sod application is used during reclamation; 9. using the stovepipe construction method to minimize impacts on the adjacent lands and to safely install the pipeline between two existing lines; 10. considering the use of temporary fencing to keep horses or livestock out during reclamation; 11. sharing of any soil studies, the Environmental Protection Plan, or the line list with the landowner; 12. providing Mr. Ploentzke with the direct name and number of someone he can talk to about his issues with reclamation or otherwise.	NEB_Route_Hearing_TMEP_Evidence_Seg_1_&_2_ErichPloentzke  NEB_Route_Hearing_Transcript_Seg_1_&_2_Vol_5_paragraph_3934,3948-3953,3981,4156,4157,4167  NEB_Route_Hearing_Decision_Seg_1_&_2_ErichPloentzke_Sec_3	Project Lifecycle	Addressed by Construction Line List and Environmental Alignment Sheets		

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1,678	Lands and ROW	Landowner - Erich Ploentzke	Trans Mountain is committed to working with the landowner on: 1. construction planning; 2. minimizing the removal of trees including within the temporary construction workspace, to the extent practicable; 3. establishing access plans; 4. scheduling construction activities to minimize impacts to the golf course including maintaining access to the south storage area; and 5. reclamation planning.	"NEB_Route_Hearing_TMEP_Evidence_Seg_1_&_2_ErichPloentzke  NEB_Route_Hearing_Transcript_Seg_1_&_2_Vol_5_para_3889,4007  NEB_Route_Hearing_Decision_Seg_1_&_2_ErichPloentzke_Sec_3	Project Lifecycle	Addressed by Construction Line List		
1,694	Lands and ROW	NEB	Trans Mountain commits to reporting on the status of consultation with the owners of Tract 2797 (located in the area of the Sumas Tank Farm Route Realignment), no later than May 26, 2017. This reporting will include whether there are any concerns, what those concerns are, and what Trans Mountain will do to address such concerns.	Route_Variance_Sumas_Tank_Farm_IR_NEB_IR_1.1b	Prior to Construction	In Progress		
1,734	Lands and ROW	City of Chilliwack; NEB	Given that the Chilliwack BC Hydro route realignment is very close to existing houses, Trans Mountain commits to: 1) providing a dedicated Land Representative and a Community Liaison; 2) conducting baseline monitoring of residential infrastructure to ensure that there's no impacts pre- and post-construction; and 3) developing a site specific work plan that will identify all the roles and responsibilities and the specific requirements and restrictions for each area including a work plan for communication of the construction schedule, the impacts of construction, what to expect, and what, if any, special requirements landowners would like to see in place.	Route_Variance_Chilliwack_BC_Hydro_TMEP_Response_dated_June6_2017  Route_Variance_Chilliwack_BC_Hydro_Transcript_Vol3_para1999-2000"	Prior to Construction	Scoping		
1,738	Lands and ROW	NEB	Trans Mountain will directly notify affected tenure holders so they can select alternate areas for their activities. Compensation, considering various forms, will be provided to affected trappers according to established industry and provincial protocols if reduced fur harvest and lost revenue is proven. (Spread 2)	Application Volume 5B, 7-108.	Prior to Construction	Complete		
1,739	Lands and ROW	NEB	Trans Mountain will directly notify affected tenure holders so they can select alternate areas for their activities. Compensation, considering various forms, will be provided to affected trappers according to established industry and provincial protocols if reduced fur harvest and lost revenue is proven. (Spread 3)	Application Volume 5B, 7-108.	Prior to Construction	In Progress		

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1,745	Lands and ROW	Landowner - Keelan Petterson	Trans Mountain commits to: 1. reclaiming the Lands to a stable condition and implementing special reclamation measures (tree replacement); 2. respecting potential construction impacts on trees, and working with landowners to minimize the amount of tree clearing required for Project construction; 3. working with the landowner to mitigate tree options; 4. engaging with the landowner to achieve a mutually beneficial solution to the issues on the property; 5. working with Mr. Petterson to optimize the workspace location on his land; 6. situating the construction footprint to avoid damage to any fencing to the extent possible. If fencing needs to be removed any damaged sections of the fence will be rebuilt or replaced. If any permanent survey pins are disturbed or damaged during construction they will be replaced during the legal survey completed at the end of project construction; 7. situating the construction footprint to avoid damage to fencing; 8. rebuilding or replacing any damaged sections of the fence as necessary; 9. installing construction fencing along the north boundary of the windrowed topsoil pile to create a barrier to prevent access by children to the pipeline right-of-way during construction; 10. installing construction fencing along the north boundary of the windrowed topsoil pile to create a barrier to prevent access by children to the pipeline right-of-way during construction; 11. fully restoring the right-of-way back to its pre-construction grade and profile, and if it could not, to inform the landowner and work with him to develop a plan to ensure slopes are replaced to a stable condition; 12. coming back with the exact slope of the hill on the areas where the workspaces are located and to continue to engage with the landowner through the construction and restoration phases of the projects; 13. replacing trees removed from the temporary workspace during construction with similar trees or compensating the landowner.	Detailed Route_Reply_Evidence; Transcript_Volume_8_para_7959;_Decision_Seg_1_&_2_Keelan_Petterson_Sec_2.3	During Construction	Addressed by Construction Line List		
1,746	Lands and ROW	Landowner - John Richardson; Landowner - Robert McMahon	Trans Mountain is committed to: 1. working with the landowners to ensure that the landowners' driveway will not be damaged by the passage of construction vehicles and that the landowners will be able to maintain access to their property throughout construction; 2. working with the landowner to optimize temporary workspace and explore opportunities to use the cleared area to the west of Hornet Creek to reduced the need for tree-clearing.	Transcript_Volume_2_para_1083; Transcript_Volume_2 paras_1426_1427_1570	During Construction	Addressed by Construction Line List		
1,758	Lands and ROW	Landowner - Underhill Lands Ltd	Trans Mountain commits to continuing to engage with Underhill and the potentially affected tenants to identify further measures that may address their access concerns.	NEB_Route_Hearing_Decision_Seg_7_UnderhillLandsLtd_Sec_3	During Construction	Addressed by Construction Line List		
1,857	Lands and ROW	NEB	Trans Mountain will develop a Line List including landowner contact information and listing of all commitments and agreed upon special construction methods for each property, within Spread 1.	NEB_IR_No._1.14a, Application, Volume 3C and Volume 2, Section 5.0	Project Lifecycle	In Progress		
1,868	Lands and ROW	NEB	Trans Mountain will develop an execution plan that includes review of Line List to determine commitments to landowners and ensure commitments are met.	NEB_IR_No._1.14a, Application, Volume 3C and Volume 2, Section 5.1	Prior to Construction	In Progress		
1,879	Lands and ROW	NEB	Trans Mountain will incorporate a Line List and landowner commitments into the construction contracts.	NEB_IR_No._1.14a, Application, Volume 3C and Volume 2, Section 5.2	Project Lifecycle	In Progress		

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1,890	Lands and ROW	NEB	Trans Mountain will monitor and record the completion of commitments to landowners by the project land program administration.	NEB_IR_No._1.14a, Application, Volume 3C and Volume 2, Section 5.3	During Construction	Scoping		
1,901	Lands and ROW	NEB	Trans Mountain will ensure the plans and procedures are followed to ensure appropriate notification is made to each landowner, as required, based on the specific needs of their agricultural land use, are incorporated into the Land Program Execution Plan.	NEB_IR_No._1.14a, Application, Volume 3C and Volume 2, Section 5.4	Project Lifecycle	In Progress		
1,916	Lands and ROW	NEB	Trans Mountain will contact the following prior to clearing and construction activities, providing maps and schedule information to enable them to select alternate areas for their activities: - trappers of affected registered fur management areas and traplines - guide outfitters in relevant wildlife management units; and - <b>commercial recreation tenure holders.</b>	CPAWS_IR_No._1.1.2; Application Volume 5B, 7-108	Prior to Construction	Superseded by NEB Condition	72, 78, 81	
1,918	Lands and ROW	BC Ministry of Forests Lands and Natural Resource Operations (MFLNRO)	Trans Mountain will notify all affected mineral, aggregate and oil and gas tenure/disposition holders before construction to coordinate planned activities and secure agreements, as necessary.	BC_MFLNRO_P-IR_No._1.14	Prior to Construction	Superseded by NEB Condition	72, 78, 81	
1,928	Lands and ROW	Sto:lo Collective	Trans Mountain will provide compensation, considering various forms, to private land and property owners according to established industry protocols where losses or damages are proven.	Sto:lo Collective Recommendation #73	Project Lifecycle	Superseded by Legal/Regulatory Requirement		
2,554	Lands and ROW	Fraser Valley Regional District	Trans Mountain committed to implement Master Municipal Construction Documents (MMCD) guidelines for any engineering requirements for pipeline crossing FVRD infrastructure.	This commitment was made since the close of intervenor's evidence: Email from Brendan Osorio, Lead Project Engineer, UPI, re TMEP-FVRD Meeting Follow up, sent October 2, 2015 to T. Islam and G. Daneluz, FVRD	Prior to Construction	Scoping		
2,677	Lands and ROW	NEB	Trans Mountain will contact trappers of affected registered fur management areas and traplines and guide-outfitters in relevant wildlife management units prior to clearing and construction activities, providing maps and schedule information to enable them to select alternate areas for their activities.	Application Volume 5D 6-1	Prior to Construction	Superseded by NEB Condition	72, 78, 81	
2,950	Lands and ROW	Brian Kingman	Trans Mountain will ensure final alignment of the proposed pipeline route considers the large cedar trees, and opportunities to narrow or align the right-of-way will be investigated and considered with the landowner.	Kingman_B_IR_No._1.3a	Prior to Construction	Scoping		
3,058	Lands and ROW	NEB	For site preparation, Trans Mountain will ensure timber and brush disposal options will be subject to agreements with landowners and appropriate government authorities.	Pre-Application Project Description p 18	During Construction	Scoping		
3,128	Lands and ROW	NEB	In regards to nursery operations, Trans Mountain has committed to providing ample pre-construction notice to nursery operators so that the nursery can prepare for possible disruptions in irrigation, drainage and water recycling systems.	Revised Final Arguments. 7.2.1.2 p235	During Construction	Superseded by Management Plan		

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3,496	Lands and ROW	NEB	Trans Mountain will work with local landowners in the Fraser Valley to determine agricultural practices, including deep sub soiling, to determine depth of cover requirements.	Technical Update No. 1 and Consultation Update No. 2 - Part 2 Table 1.6.3-1	Project Lifecycle	In Progress		
3,640	Lands and ROW	Davis LLP	Trans Mountain would work with Nicola Ranch to minimize disturbance to hay production operations and would compensate the landowner where necessary.	Non-Regulatory Commitment	Prior to Construction	In Progress		
3,643	Lands and ROW	City of Kamloops	Trans Mountain will work with the City of Kamloops to relocate the Ord Road dog park during construction. The City has identified alternate location near Aviation Way. Will require fencing and some facilities.	Non-Regulatory Commitment	Prior to Construction	Scoping		
3,743	Lands and ROW	Frolek Cattle Co. Ltd	Trans Mountain commits to washing UTVs each time field crews leave or enter the property. Special attention should be paid to underneath the UTV's.	Non-Regulatory Commitment	During Construction	In Progress		
3,832	Lands and ROW	Sto:lo Collective	Should businesses experience lost revenue as a direct result of the construction or operations of the Trans Mountain Expansion Project, Trans Mountain would intend to employ 'actual loss' compensation for any reductions in revenue caused by the construction and operation of the pipeline.	Sto:lo Collective Recommendation #73	Project Lifecycle	Scoping		
3,833	Lands and ROW	Sto:lo Collective	Should businesses experience lost revenue as a direct result of the construction or operations of the Trans Mountain Expansion Project, Trans Mountain would intend to employ 'actual loss' compensation for any reductions in revenue caused by the construction and operation of the pipeline.	Sto:lo Collective Recommendation #73	During Construction	Scoping		
3,845	Lands and ROW	Township of Langley	Details of all crossing of Township of Langley infrastructure will be formalized in crossing agreements.	Langley_IR_No._1.12d	Prior to Construction	In Progress		
3,985	Lands and ROW	NEB	Trans Mountain will develop a Line List including landowner contact information and listing of all commitments and agreed upon special construction methods for each property within Spread 2.	NEB_IR_No._1.14a, Application, Volume 3C and Volume 2, Section 5.0	Project Lifecycle	In Progress		
3,986	Lands and ROW	NEB	Trans Mountain will develop a Line List including landowner contact information and listing of all commitments and agreed upon special construction methods for each property within Spread 3.	NEB_IR_No._1.14a, Application, Volume 3C and Volume 2, Section 5.0	Project Lifecycle	In Progress		
3,987	Lands and ROW	NEB	Trans Mountain will develop a Line List including landowner contact information and listing of all commitments and agreed upon special construction methods for each property within Spread 4.	NEB_IR_No._1.14a, Application, Volume 3C and Volume 2, Section 5.0	Project Lifecycle	In Progress		
3,988	Lands and ROW	NEB	Trans Mountain will develop a Line List including landowner contact information and listing of all commitments and agreed upon special construction methods for each property within Spread 5A.	NEB_IR_No._1.14a, Application, Volume 3C and Volume 2, Section 5.0	Project Lifecycle	In Progress		
3,989	Lands and ROW	NEB	Trans Mountain will develop a Line List including landowner contact information and listing of all commitments and agreed upon special construction methods for each property within Spread 5B.	NEB_IR_No._1.14a, Application, Volume 3C and Volume 2, Section 5.0	Project Lifecycle	In Progress		
3,990	Lands and ROW	NEB	Trans Mountain will develop a Line List including landowner contact information and listing of all commitments and agreed upon special construction methods for each property within Spread 6.	NEB_IR_No._1.14a, Application, Volume 3C and Volume 2, Section 5.0	Project Lifecycle	In Progress		
3,991	Lands and ROW	NEB	Trans Mountain will develop a Line List including landowner contact information and listing of all commitments and agreed upon special construction methods for each property within Spread 7.	NEB_IR_No._1.14a, Application, Volume 3C and Volume 2, Section 5.0	Project Lifecycle	In Progress		
3,992	Lands and ROW	NEB	Trans Mountain will incorporate a Line List and landowner commitments into the construction contracts for Spread 2.	NEB_IR_No._1.14a, Application, Volume 3C and Volume 2, Section 5.2	Project Lifecycle	In Progress		

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3,993	Lands and ROW	NEB	Trans Mountain will incorporate a Line List and landowner commitments into the construction contracts for Spread 3.	NEB_IR_No._1.14a, Application, Volume 3C and Volume 2, Section 5.2	Prior to Construction	In Progress		
3,994	Lands and ROW	NEB	Trans Mountain will incorporate a Line List and landowner commitments into the construction contracts for Spread 4.	NEB_IR_No._1.14a, Application, Volume 3C and Volume 2, Section 5.2	Prior to Construction	In Progress		
3,995	Lands and ROW	NEB	Trans Mountain will incorporate a Line List and landowner commitments into the construction contracts for Spread 5A.	NEB_IR_No._1.14a, Application, Volume 3C and Volume 2, Section 5.2	Prior to Construction	In Progress		
3,996	Lands and ROW	NEB	Trans Mountain will incorporate a Line List and landowner commitments into the construction contracts for Spread 5B.	NEB_IR_No._1.14a, Application, Volume 3C and Volume 2, Section 5.2	Prior to Construction	In Progress		
3,997	Lands and ROW	NEB	Trans Mountain will incorporate a Line List and landowner commitments into the construction contracts for Spread 6.	NEB_IR_No._1.14a, Application, Volume 3C and Volume 2, Section 5.2	Prior to Construction	In Progress		
3,998	Lands and ROW	NEB	Trans Mountain will incorporate a Line List and landowner commitments into the construction contracts for Spread 7.	NEB_IR_No._1.14a, Application, Volume 3C and Volume 2, Section 5.2	Prior to Construction	In Progress		
3,999	Lands and ROW	C.G.L.A.P. - Collaborative Group of Landowners Affected by Pipelines	Trans Mountain will provide Landowners within Spread 6 with a schedule of work to be conducted on their lands, at least 21 days in advance of the start of construction.	CGLAP_IR_No._2.9d	Prior to Construction	In Progress		
4,000	Lands and ROW	C.G.L.A.P. - Collaborative Group of Landowners Affected by Pipelines	Trans Mountain will provide Landowners within Spread 7 with a schedule of work to be conducted on their lands, at least 21 days in advance of the start of construction.	CGLAP_IR_No._2.9d	Prior to Construction	In Progress		
349	Marine Shipping	NEB	Trans Mountain will screen the tankers nominated to call on the Westridge Marine Terminal to check that they are implementing a Volatile Organic Compound management plan.	Technical Update No. 1 & Consultation Update No. 2 - Part 5, Part 01, Table 1.6.3-1	During Operations	In Progress		VOC Management plans for tankers is an International Maritime Organization (IMO) requirement and part of a vessel meeting necessary local and international regulations.
384	Marine Shipping	Transport Canada; Vancouver Fraser Port Authority DBA Port Metro Vancouver	Trans Mountain will submit its Oil Pollution Emergency Plan for the Westridge Marine Terminal to Transport Canada for review at least six months before terminal operations begin.	Trans Mountain Response to NEB IR TERMPOL Rpt and Outstanding Filings (January 2, 2015) Recommendation 17	Prior to Operations	Superseded by NEB Condition	126	
386	Marine Shipping	NEB	Trans Mountain will continue to work with Western Canada Marine Response Corporation (WCMRC) to implement relevant recommendations from the TERMPOL process, any recommendations from the Panel and any mandated improvements to existing emergency preparedness and response measures as necessary to address the effects of the Project-related increase in tanker traffic.	Application Volume 8, 8A-50.	Project Lifecycle	Superseded by NEB Condition	91, 133, 144	
387	Marine Shipping	NEB	Trans Mountain is committed to further mitigating potential effects of bilge water releases by using reputable vessel owners and operators who strictly adhere to regulations and ensure continued maintenance of vessel discharge treatment equipment and safety mechanisms.	Application Volume 8A, 8A-435.	During Operations	Superseded by NEB Condition	134	This is current a requirement in the Tanker Acceptance Standard (TAS) and will continue to be so in future. NEB Condition 134.

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389	Marine Shipping	NEB	Trans Mountain will provide reception facilities at the Westridge Marine Terminal as necessary to service the needs of the Project-related marine vessels.	Application Volume 8A, 8A-432.	During Operations	Superseded by Management Plan		
390	Marine Shipping	NEB	Trans Mountain will require all tankers to process and empty their bilges prior to arrival and to have the discharge valve of the bilge water locked while in Canadian waters.	Application Volume 8A, 8A-432.	During Operations	Complete		This is already a requirement under the Tanker Acceptance Standard.
391	Marine Shipping	NEB	Trans Mountain will require that a tug would accompany the Project-related tankers for the entire transit through the Strait of Georgia and between Race Rocks and the 12 nautical mile to assist with navigation. The tug escort is an enhancement to existing tug requirements.	Application Volume 8A, 8A-364.	During Operations	Superseded by NEB Condition	133, 134	
392	Marine Shipping	NEB	Trans Mountain will require that all Project-related tankers calling at the Westridge Marine Terminal have mandatory tug escort for the entire route between the Westridge Marine Terminal and the Pacific Ocean.	Application Volume 8A, 8A-432.	During Operations	Superseded by NEB Condition	133	
393	Marine Shipping	Val Veirs; Robyn Allan	Trans Mountain is committed to working with Fisheries and Oceans Canada (DFO) and other stakeholders on implementing the Action Plan for the Recovery of the Southern Resident Killer Whale as well as developing other strategies to assist in southern resident killer whale recovery.	Allan_R_IR_No._1.20I, Veirs_V_IR_No._1.5	Prior to Construction	Superseded by NEB Condition	132	Trans Mountain has sought to contribute to and/or participate in multiple initiatives that seek to improve the shipping industry's understanding of the presence of marine mammals in shipping traffic lanes. Trans Mountain has chosen to participate or financially support initiatives increase the abundance of food, minimize ocean pollution and adaptively manage human disturbance to help marine mammals in their recovery.  The Marine Mammal Protection Plan will be filed as per NEB Condition 132.
395	Marine Shipping	City of Burnaby	There will be multiple and redundant communication lines open with the tanker and the pilot onboard to communicate dock approach and weather information which, subject to final design, is expected to include a visual display.	City_Burnaby_IR_No._1.26.10e	During Operations	In Progress		
396	Marine Shipping	Province of British Columbia	Trans Mountain will provide a comparison of Vessel Traffic Service (VTS) capabilities comparing Canadian Coast Guard to other jurisdictions.	Province_BC_F-IR No. 1.1.50a	Prior to Construction	Complete		
398	Marine Shipping	Tsawout First Nation	Should the Project proceed, Trans Mountain will develop key safety and performance indicators for future enhanced Westridge operations and provide regular updates to the Chamber of Shipping BC (COSBC) that may then be posted to the COSBC website.	Tsawwassen_FN_F-IR_No._1.28	During Operations	In Progress		Trans Mountain will be engaging with stakeholders in 2018 for this purpose.
400	Marine Shipping	Pacheedaht First Nation	Trans Mountain is committed to working with the Department of Fisheries and Oceans (DFO) and other stakeholders on implementing the "Action Plan for the Recovery of the Southern Resident Killer Whale (SRKW) " as well as developing other strategies to assist in SRKW recovery.	Pacheedaht_FN_IR_No._1.05.01	Prior to Construction	Superseded by NEB Condition	132	Trans Mountain has sought to contribute to and/or participate in multiple initiatives that seek to improve the shipping industry's understanding of the presence of marine mammals in shipping traffic lanes. Trans Mountain has chosen to participate or financially support initiatives increase the abundance of food, minimize ocean pollution and adaptively manage human disturbance to help marine mammals in their recovery.  Trans Mountain investments in regional collaborative initiatives must be reflected in Trans Mountain's filing of NEB Condition 132 (Marine Mammal Protection Plan).

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401	Marine Shipping	District of West Vancouver	<p>Trans Mountain will follow up with Transport Canada regarding incidents and failures, enforcement and prosecutions the District of West Vancouver is seeking and commits to filing the information with the National Energy Board without delay upon receipt of same from Transport Canada.</p> <p>Trans Mountain will follow up with The Pacific Pilotage Authority regarding the escorting of ships the District of West Vancouver is seeking and commits to filing the information with the National Energy Board without delay upon receipt of same from The Pacific Pilotage Authority.</p> <p>Trans Mountain will follow up with Western Canada Marine Response Corporation (WCMRC) regarding information on what other organizations would assist; the anticipated response times for other organizations; and mutual aid or similar agreements; mutual aid to other organizations, the District of West Vancouver is seeking and commits to filing the information with the National Energy Board without delay upon receipt of same from WCMRC.</p> <p>Trans Mountain will follow up with Vancouver Fraser Port Authority DBA Port Metro Vancouver regarding speed limits the District of West Vancouver is seeking and commits to filing the information with the National Energy Board without delay upon receipt of same from Vancouver Fraser Port Authority DBA Port Metro Vancouver.</p>	District of West Vancouver - Attachment - Table 1.57 (page 17), 1.14 (page 6), 117 (page 7)	Prior to Operations	Complete		
402	Marine Shipping	Tsawout First Nation	Trans Mountain will follow up with Canada and the Province of BC regarding the information the Intervenor is seeking and commits to filing the information with the National Energy Board without delay upon receipt of same from Canada and the Province of BC.	Tsawout FN - Attachment - Table 1.36t	During Operations	Complete		
403	Marine Shipping	Department of Fisheries and Oceans; Transport Canada; Vancouver Fraser Port Authority DBA Port Metro Vancouver	Trans Mountain is committed to continued co-operation with Vancouver Fraser Port Authority DBA Port Metro Vancouver and the Canadian Coast Guard to ensure safety and efficiency of marine traffic including movements within the Movement Restriction Area (MRA). Trans Mountain will continue to discuss the effects of the Project on available transit windows and the movement of vessels in the MRA with Port Metro Vancouver.	Trans Mountain Response to NEB IR TERMPOL Rpt and Outstanding Filings (January 2, 2015) Recommendation 6	During Operations	In Progress		
404	Marine Shipping	NEB	Trans Mountain will provide financial assistance to smaller vessels registered in Western Canada Marine Response Corporation (WCMRC)'s Fishers Oil Spill Emergency Team (FOSET) program to be fitted with Automated Information System (AIS) and radar reflectors, which will aid in located FOSET assets during standard operations, as well as while undertaking response activities and will enhance safety.	Trans Mountain Response to NEB IR TERMPOL Rpt and Outstanding Filings (January 2, 2015) Finding 6	During Operations	In Progress		WCMRC has included provision of AIS and/or radar reflectors to the Vessels Of Opportunity Program. Owners of vessels will be able to enter their interest via the WCMRC Coastal Response website when it becomes available.
405	Marine Shipping	Transport Canada; NEB	Trans Mountain will notify the appropriate authority if it wishes to alter any Project commitments related to the movement of Project-related tankers, operational parameters, or characteristics, so the authority can review the impacts to safety as a result of the changes.	Trans Mountain Response to NEB IR TERMPOL Rpt and Outstanding Filings (January 2, 2015) Recommendation 1	Prior to Construction	Superseded by NEB Condition	91, 144	



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407	Marine Shipping	Department of Fisheries and Oceans; Transport Canada; Vancouver Fraser Port Authority DBA Port Metro Vancouver	Trans Mountain will provide copies of its Port Information and Terminal Operations Manual to Transport Canada, the Canadian Coast Guard, the Pacific Pilotage Authority, and Vancouver Fraser Port Authority DBA Port Metro Vancouver for information at least six months before the start of terminal operations.	Trans Mountain Response to NEB IR TERMPOL Rpt and Outstanding Filings (January 2, 2015) Recommendation 15	Prior to Operations	In Progress		The Westridge Marine Terminal Regulations and Operations Guide (WMTROG) will be submitted to the necessary authorities six months prior to operations
409	Marine Shipping	Transport Canada; NEB	The International Safety Guide for Oil Tankers and Terminals (ISGOTT) safety checklist as well as a checklist with additional terminal specific safety items will be included to the updated Terminal Operations Manual, which shall be provided to the TERMPOL Review Committee (TRC) 6 months prior to the expanded terminal becoming operational.	Trans Mountain Response to NEB IR TERMPOL Rpt and Outstanding Filings (January 2, 2015) Recommendation 12	During Operations	In Progress		The ship/shore safety checklist is currently in use at Westridge and will also be added as a reference to a Westridge Marine Terminal Regulations and Operations Guide (WMTROG) that is under development.
410	Marine Shipping	Transport Canada; NEB	Trans Mountain will accept oil tankers of up to Aframax size and always within any limitations set by Vancouver Fraser Port Authority DBA Port Metro Vancouver.	Trans Mountain Response to NEB IR TERMPOL Rpt and Outstanding Filings (January 2, 2015) Recommendation 2	Project Lifecycle	Complete		This is already required under the Tanker Acceptance Standard
411	Marine Shipping	Transport Canada; NEB	Trans Mountain will confirm draft mooring procedures as part of real-time simulations to enhance safety. Such procedures will be included to the Terminal Operations Manual.	Trans Mountain Response to NEB IR TERMPOL Rpt and Outstanding Filings (January 2, 2015) Recommendation 14	During Operations	In Progress		Draft mooring arrangements were developed during engineering. These will be further tested during the pilot training phase and then finalized and included to the Westridge Marine Terminal Regulations and Operations Guide (WMTROG).
412	Marine Shipping	Transport Canada; NEB	Trans Mountain will continue its existing practice of having a dedicated loading master present at Westridge Marine Terminal, which provides an added measure of safety to cargo transfer operations.	Trans Mountain Response to NEB IR TERMPOL Rpt and Outstanding Filings (January 2, 2015) Finding 23	During Operations	Complete		This will continue as a requirement.
413	Marine Shipping	Transport Canada; NEB	Trans Mountain will continue to use industry best practices related to cargo transfer activities to enhance safety and the protection of the marine environment.	Trans Mountain Response to NEB IR TERMPOL Rpt and Outstanding Filings (January 2, 2015) Finding 26	Project Lifecycle	Complete		This will continue as a requirement.
463	Marine Shipping	Transport Canada; NEB	Trans Mountain will require in its Tanker Acceptance Criteria that departing laden Project tankers to extend pilot disembarkation and tethered tug escort requirements to an area in the vicinity of Race Rocks, weather permitting and subject to the requirements identified in a Pacific Pilotage Authority 'Notice to Industry'.	Trans Mountain Response to NEB IR TERMPOL Rpt and Outstanding Filings (January 2, 2015) Finding 18	During Operations	Superseded by NEB Condition	134	The Pacific Pilotage Authority (PPA) and British Columbia Coast Pilots (BCCP) have plans in hand to extend the pilot disembarkation point to a location off Race Rocks.  Requirement as per the Tanker Acceptance Standard to be filed with NEB Condition 134.

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472	Marine Shipping	Department of Fisheries and Oceans; Transport Canada	Once detailed engineering has been developed for the proposed expanded Westridge Marine Terminal, Trans Mountain will provide the Canadian Coast Guard (CCG) with information necessary to evaluate the additional navigation aids that it proposes to establish at the facility and otherwise seek advice and input of the CCG.	Trans Mountain Response to NEB IR TERMPOL Rpt and Outstanding Filings (January 2, 2015) Recommendation 3	Prior to Construction	Complete		Submitted the necessary information to CCG and received their recommendations on navigation aids to be fitted to the new docks.
531	Marine Shipping	Environment Canada	Trans Mountain will continue to identify, select and evaluate potential Environmental Stewardship initiatives that align with priority areas of their Environmental Stewardship Program. Trans Mountain remains committed to participating in additional collaborative partnerships to collect data on marine bird abundance, distribution, and diversity in the Marine Regional Study Area (RSA) and welcomes further consultation with Environment Canada and other industry stakeholders on the structure and scope of a monitoring program.	GoC_EC_IR_No._2.047a, NEB_IR_No._3.036a – Attachment 1, Filing ID A4H1X7).	Project Lifecycle	In Progress		Voluntary collaboration with Bird Studies Canada is in development and on track for execution prior to Q3 2017. Trans Mountain has proposed funding for offshore bird monitoring in the Juan de Fuca Strait. The agreement will also support mapping of survey data in contribution to the Salish Sea Marine Bird Atlas. All data will be publicly available online through Bird Studies Canada.
533	Marine Shipping	Environment Canada	Trans Mountain is committed to establishing mutual data sharing agreements that support response planning and research initiatives as they relate to marine birds in Burrard Inlet and along the shipping route.	GoC_EC_IR_No._2.047e	Prior to Operations	In Progress		Trans Mountain and the Port of Vancouver co-funded a marine bird mapping study in Burrard Inlet. The data is “open source,” available for download from the Pacific Wildlife Foundation and Bird Studies Canada websites. A voluntary collaboration with Bird Studies Canada has also been proposed for offshore bird monitoring in the Strait of Juan de Fuca. The agreement will also support mapping of survey data in contribution to the Salish Sea Marine Bird Atlas; all data to be publicly available.  Trans Mountain has met with Environment and Climate Change Canada to discuss the availability of this information for spill response planning. Trans Mountain will also ensure WCMRC is aware and has been provided with the files as part of their coastal mapping and geographic response planning activities.
541	Marine Shipping	Transport Canada; Vancouver Fraser Port Authority DBA Port Metro Vancouver	Trans Mountain will carry out exercises entailing real time navigation simulation after completion of detailed design; such simulation maneuvers will be for the areas surrounding the Westridge Marine Terminal and will be carried out in consultation with Vancouver Fraser Port Authority DBA Port Metro Vancouver, the Pacific Pilotage Authority, and BC Coast Pilots.	Trans Mountain Response to NEB IR TERMPOL Rpt and Outstanding Filings (January 2, 2015) Recommendation 4	During Operations	In Progress		
730	Marine Shipping	NEB	Trans Mountain remains committed to playing a role in the dialogue on developing a spill monitoring sampling program for chemicals of potential concern in the shipping lanes in Canadian waters, along with other industrial marine traffic users in the Burrard Inlet and Straits of Georgia and Juan de Fuca.	NEB_IR_No._3.023a	Prior to Operations	In Progress		Trans Mountain is currently scoping this commitment through engagement with Transport Canada, the Canadian Coast Guard, Fisheries and Oceans Canada, WCMRC and other local marine organizations.
750	Marine Shipping	Environment Canada	Trans Mountain commits to undertaking surveys onboard randomly sampled tankers at the Westridge Marine Terminal during which time cargo tank covers and associated seals will be checked for leaks of real-time total hydrocarbon (THC) or total volatile organic compounds (TVOC) measurements using a portable monitor. These tests will be carried out by the Loading Master and four such works shall be completed, one per season.	GoC_EC_IR_No._2.071	During Operations	Superseded by Management Plan		

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783	Marine Shipping	Province of British Columbia	Trans Mountain commits to supporting Western Canada Marine Response Corporation's implementation of the enhanced planning standards.	Province_BC_IR_No._2.52	Prior to Construction	Superseded by NEB Condition	91, 133	
835	Marine Shipping	BC Nature and Nature Canada	Trans Mountain will explore options for reducing lighting on Project-related vessels, to the extent that it is feasible with respect to safety and industry regulations.	BC_Nature_Nature_Cda_IR_No._2.16b.2	Prior to Construction	Superseded by NEB Condition	82	Management of the lighting impact of ships is covered in the WMT Light Emissions Management Plan
836	Marine Shipping	City of Vancouver	Vancouver Fraser Port Authority DBA Port Metro Vancouver's Enhancing Cetacean Habitat and Observation (ECHO) Program and the Green Marine's Underwater Noise Committee are two initiatives engaged in working collaboratively with industry to develop future guidelines for reducing underwater noise from large commercial vessels. Trans Mountain is committed to participating in both initiatives. Once such guidelines are available, Trans Mountain shall require project tankers to adopt those as best practice as part of its Tanker Acceptance Standards.	City_of_Vancouver_IR_No._2.07.6a	Prior to Operations	In Progress		Trans Mountain (TM) is a significant supporter of the ECHO Program. To date TM has: - Requested the ships' agents to provide updates to vessels and owners about the ECHO Program and also provide the vessels with copies of the Mariners Guide to Whales, Dolphins and Porpoises of Western Canada. - The Westridge Marine Terminal Regulations and Operations Guide (WMTROG) will include information and guidance on reporting requirements for mammal strikes. - The WMTROG will encourage ship owners to participate in VFPA EcoAction Program, and where possible, avail of the new underwater noise incentives introduced in January - Participated with Green Marine's Underwater Noise Committee to develop performance indicators for ships. - Trans Mountain encouraged vessels (owners, ship agents and shippers) to participate in the voluntary vessel slow down trial through Haro Strait in the summer of 2017.
837	Marine Shipping	City of Vancouver	Trans Mountain is also committed to support the Government of Canada's efforts to establish and enforce marine safety regulations that ensure a world class tanker system, particularly those with similar affect as the Western Canada Marine Response Corporation (WCMRC) enhancements.	City_of_Vancouver_IR_No._2.05.2c	Prior to Operations	Superseded by NEB Condition	133, 134	
839	Marine Shipping	Elizabeth May	In support of the Trans Mountain Expansion Project, Trans Mountain and Western Canada Marine Response Corporation (WCMRC) have committed to increasing the response capacity to 20,000 tonnes and exceeding the legislated response time requirements.	May_E_IR_No._2.1a	During Operations	Superseded by NEB Condition	133	
861	Marine Shipping	Metro Vancouver	Trans Mountain commits to undertaking surveys onboard randomly sampled tankers at Westridge during which time cargo tank covers and associated seals will be checked for leaks of real-time total hydrocarbon (THC) or total volatile organic compounds (TVOC) measurements using a portable monitor. These tests will be carried out by the Loading Master and four such surveys shall be completed, one per season.	Metro_Vancouver_IR_No._2.2.1	During Operations	Superseded by Management Plan		
868	Marine Shipping	Vancouver Fraser Port Authority DBA Port Metro Vancouver	Should Vancouver Fraser Port Authority DBA Port Metro Vancouver develop a particular facet of its EcoAction Program affecting tankers, Trans Mountain will publicize it through its Tanker Acceptance Standard and thereby encourage vessel operators to try and meet the program's standards as far as it is possible for the vessels to do so.	PMV_IR_No._2.24c	Project Lifecycle	Superseded by NEB Condition	134	Will be published with the Westridge Marine Terminal Regulations and Operations Guide

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887	Marine Shipping	Vancouver Fraser Port Authority DBA Port Metro Vancouver	Trans Mountain is committed to participating and contributing in a positive manner to discussions related to anchorages in Indian Arm should Vancouver Fraser Port Authority DBA Port Metro Vancouver wish to initiate such wider discussions.	PMV_IR_No._2.02.a	Project Lifecycle	In Progress		
907	Marine Shipping	Squamish Nation	Trans Mountain will require tug escort of all Project-related tankers for the entire transit from Westridge Marine Terminal to J Buoy.	Squamish_Nation_IR_No._2.05.x	Project Lifecycle	Superseded by NEB Condition	133	
941	Marine Shipping	Washington State Department of Ecology	Trans Mountain will continue to liaise with regulatory authorities such as the US Coast Guard and Washington State Department of Ecology.	WSDOE_IR_No._2.11d	Project Lifecycle	In Progress		Trans Mountain will continue to be active in the maritime and industry communities in Washington State to ensure government agencies responsible for spill prevention and response and relevant stakeholders have project information.
1,451	Marine Shipping	NEB	Trans Mountain will modify for clarity the regulatory compliance section of its tanker acceptance standard item 4.5.1 to read with the following "The vessel will be built to industry standards and operated in accordance with industry best practices, always compliant with relevant local and international laws and regulations. The vessel will carry ALL required and customary certificates of compliance."	NEB_IR_No._4.09	Project Lifecycle	Superseded by NEB Condition	134	
1,453	Marine Shipping	NEB	Trans Mountain will include in its Port Information and Terminal Operations Manual guidance the reporting requirements for mammal vessel strikes and mammals in distress. The information will be updated for the Fisheries and Oceans Canada (DFO) reporting requirements change in the future to ensure reporting requirements remain consistent with DFO.	NEB_IR_No._4.09	Prior to Operations	Superseded by NEB Condition	132	The Westridge Marine Terminal Regulations and Operations Guide (WMTROG) will be updated to reflect appropriate reporting requirements. This is included as part of the Marine Mammal Protection Program - NEB Condition 132
1,469	Marine Shipping	Makah Tribal Council	Trans Mountain is committed to working with a Scientific Advisory Committee to address areas for future research and development on the fate and behaviour of diluted bitumen.	Makah_TC_IR_No._1.10a	Project Lifecycle	In Progress		Trans Mountain is participating in efforts to further understanding of oil properties for the betterment of response. As part of its on-going efforts Trans Mountain is participating in current research initiatives such as: 1) The Canadian Association of Petroleum Producers (CAPP) along with the Canadian Energy Pipeline Association (CEPA) have commissioned an independent, science-based study under the advisement of a Science Advisory Committee to evaluate and compare the physical and chemical properties of various types of crude oil that move in North America and how they behave in various marine, estuarine and freshwater settings under different environmental conditions. 2) A joint industry project including the governments of British Columbia and Alberta to independently evaluate and review current inland spill response technologies focusing on diluted bitumen.
1,470	Marine Shipping	Makah Tribal Council	Trans Mountain, as part of its vessel screening process, will request that the tankers' staff know Marine Communications and Traffic Services (MCTS) contact numbers and the notification procedure.	Makah_TC_IR_No._1.16	Project Lifecycle	In Progress		This information will be included in the Westridge Marine Terminal Regulations and Operations Guide (WMTROG)

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1,515	Marine Shipping	Vancouver Fraser Port Authority DBA Port Metro Vancouver	Post construction, Trans Mountain will actively discuss and agree with Vancouver Fraser Port Authority DBA Port Metro Vancouver and Transport Canada the modalities of observing real effects of traffic passing the Westridge Marine Terminal, will document those effects and if required will accordingly adjust the terminal's mooring plans in order to ensure the safety of the terminal and any berthed or passing vessels.	Trans Mountain Response to NEB IR TERMPOL Rpt and Outstanding Filings (January 2, 2015) Table A-1 Recommendation 5	During Operations	In Progress		
1,517	Marine Shipping	Province of British Columbia; Transport Canada	During the real time navigation simulation with pilots and tug operators, Trans Mountain will determine the minimum number and type of berthing tugs that will be required by vessels intending to use the expanded terminal and in consultation with Vancouver Fraser Port Authority DBA Port Metro Vancouver and the Pacific Pilotage Authority will include such requirements to the future Port Information and Terminal Operations Manual. This will also form part of Trans Mountain's future Tanker Acceptance Standard and tankers that do not commit to using berthing tugs will be denied their approval to load at Westridge.	Trans Mountain Response to NEB IR TERMPOL Rpt and Outstanding Filings (January 2, 2015) (Filing ID A4G3U5) Table A-1 Recommendation 13	Prior to Operations	In Progress		The navigation simulations will incorporate the use of tugs with participation of local tug operators. Experience from the exercises will be used to determine the level of tug support that would be required for berthing/unberthing at the new dock complex.
1,527	Marine Shipping	Natural Resources Canada	Should Trans Mountain learn that Asian Gypsy Moth egg masses are hatching onboard a vessel, whether the vessel is berthed at Westridge terminal or not, Trans Mountain will inform CFIA and request guidance.	GoC_NRCan_IR_No._2.123	During Operations	In Progress		Procedural information will be provided to Westridge operators via the Westridge Marine Terminal Regulations and Operations Guide (WMTROG).
1,703	Marine Shipping	Environment Canada	Trans Mountain will meet with Environment Canada in April 2014 to discuss a collaborative, industry-wide approach to the development of a long-term monitoring program for marine birds.	EC P-IR_No._1.19	Prior to Construction	Complete		Meeting with Environment Canada complete. Voluntary collaboration with Bird Studies Canada has been proposed for offshore bird monitoring in the Strait of Juan de Fuca. The agreement will also support mapping of survey data in contribution to the Salish Sea Marine Bird Atlas; all data to be publicly available.
1,707	Marine Shipping	NEB	Trans Mountain is committed to working with the Department of Fisheries and Oceans (DFO), participating Aboriginal communities, Vancouver Fraser Port Authority DBA Port Metro Vancouver and other stakeholders to identify the most appropriate means of offsetting serious harm to marine fish and fish habitat. Trans Mountain will submit a preliminary marine fish habitat offsetting plan to the NEB in Q3 2014.	NEB_IR_No._1.51	Prior to Construction	Complete		
1,717	Marine Shipping	NEB	Trans Mountain will ensure its Port Information and Terminal Operations Manual is available to oil shippers and their agents in time for them to understand and fully comply with its contents.	TERMPOL Rpt and Outstanding Filings Table A-1 Recommendation 16	During Operations	In Progress		The Westridge Marine Terminal Regulations and Operations Guide (WMTROG) will be available on-line and also shared with shippers and ship's agents.
1,807	Marine Shipping	NEB	To manage the increase in atmospheric sound levels, Trans Mountain has committed to ensuring that all Project-related tankers and tugboats are fitted with exhaust silencers similar to those already in place. This will limit the sound emitted by all vessels passing through the Marine Regional Study Area (RSA) and calling at the Westridge Marine Terminal. While Trans Mountain cannot eliminate sound from singular events such as horns, Trans Mountain will encourage vessel operators to follow best practices that consider nuisance effects from such activities and attempt to reduce or eliminate those nuisance effects to the greatest extent possible.	Revised Final Argument s. 7.2.2.4 p301	Project Lifecycle	In Progress		Trans Mountain will encourage vessel operators to follow best practices and mitigate nuisance effects via the Westridge Marine Terminal Regulations and Operations Guide (WMTROC) and the Tanker Acceptance Standard (TAS).
1,825	Marine Shipping	NEB	In addition to the navigation marks on the dock complex, Trans Mountain will ensure every time a tanker or barge calls at Westridge, it will be enclosed within an oil spill boom. The oil spill boom will be marked with day and night navigation marks and provide another visible means of warning for recreational vessels.	Technical Update #2 - Recreational Boat Traffic p20	During Operations	Superseded by Management Plan		This is a current practice and will be continued in future.

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1,829	Marine Shipping	Tsawwassen First Nation	Should the project proceed, Trans Mountain commits to developing key safety and performance indicators for future enhanced Westridge operations and provide regular updates to the Chamber of Shipping of British Columbia (COSBC) that may then be posted to the COSBC website.	Tsawwassen_FN_F-IR_No._1.28	During Operations	Scoping		
2,114	Marine Shipping	NEB	Trans Mountain will develop a tug matrix for inclusion as part of its Tanker Acceptance Standard to prescribe minimum tug capabilities required upon departure of the tanker.	NEB_IR_No._1.59a	Prior to Operations	Superseded by NEB Condition	133, 134	
2,200	Marine Shipping	NEB	Trans Mountain clarifies and confirms its commitment to continue to have a dialogue on developing a program that would benefit industrial marine users in the project area as follow: With respect to a marine-based spill monitoring and sampling plan for the shipping lanes in Canadian waters, Trans Mountain would like to clarify that its previous response to Province of BC IR No. 1.1.41a (Filing ID A3Y2Z1; page 108 of 187) indicated "Although Trans Mountain does not own the tankers that call to the Westridge Marine Terminal and is not responsible for all the tanker traffic in the designated shipping lanes, Trans Mountain is committed to continue to have a dialogue on developing a program that would benefit industrial marine users in the project area." The emphasized text was not included in the NEB's Preamble to NEB IR No. 3.023a.	NEB_IR_No._3.023a, Province_BC_IR_No._1.1.41a	Prior to Operations	Scoping		
2,223	Marine Shipping	NEB	Trans Mountain will develop a procedure for vessel to vessel transfers. Both vessels will have Westridge Marine Terminal (WMT) Loading Masters on board who will establish and maintain communications prior to and during transfer operations. Vessel to vessel transfer operations will be continuously monitored by WMT operations staff.	NEB_IR_No._3.063b	Prior to Operations	In Progress		Vessel to vessel transfer is not part of normal operations. Suitable procedures will be developed.
2,228	Marine Shipping	NEB	Trans Mountain will commit to include a section on marine birds in its future Port and Terminal Book, and will be submitted to the Tempol Review Committee a minimum of 6 months prior commencement of operations.	NEB_IR_No._4.011a	Prior to Operations	In Progress		Information will be provided via the Westridge Marine Terminal Regulations and Operations Guide (WMTROG). Trans Mountain is not the owner or operator of tankers and cannot commit operators of Project-related vessels to report marine bird strikes/collisions with vessels in transit. Within this WMTROG, Trans Mountain will request vessel operators to voluntarily report any bird strikes/collisions to Marine Communication and Traffic Services (MCTS).
2,310	Marine Shipping	T'Sou-ke First Nation	Trans Mountain commits to continue to support air quality initiatives through Vancouver Fraser Port Authority DBA Port Metro Vancouver such as Eco Action to limit marine emissions.	Reply Argument - Appendix A Comments on NEB Draft Conditions - Condition 19	During Operations	In Progress		TM will continue to highlight the Eco Action program of Vancouver Fraser Port Authority (VFPA) to all vessels calling Westridge.
2,499	Marine Shipping	Ditidaht First Nation; Pacheedaht First Nation	Trans Mountain will raise awareness among Project tankers about conditions near Swiftsure Bank with Project tanker operators in its Port Information and Terminal Operations Manual.	Reply Evidence 57.9 Aboriginal Traditional Marine Use p.57.12 line 3	Prior to Operations	In Progress		
2,705	Marine Shipping	Environment Canada	Trans Mountain commits that routine maintenance at the Westridge Marine Terminal will include checking the water depth alongside each berth every few years, which will be coordinated with periodic routine topside and underwater dock inspections.	EC P-IR_No._1.26	During Operations	In Progress		This will be included to the scheduled maintenance program.

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2,739	Marine Shipping	NEB	To mitigate the disruption of use of travelways, Trans Mountain will provide regular updated information on Project-related marine vessel traffic to shipping associations, such as Chamber of Shipping.	Application Volume 8A, 8A-367, Application Volume 8A, 8A-388, Application Volume 8B, 6-2; Application Volume 8B, 5-3;	During Operations	In Progress		
2,740	Marine Shipping	NEB	To mitigate the effect of increased rail bridge operations, Trans Mountain will provide regular updated information on Project-related marine vessel traffic to CN Rail.	Application Volume 8A, 8A-388; Application Volume 8B, 5-3;	During Operations	In Progress		
2,744	Marine Shipping	Tempol Review Committee	Trans Mountain will employ risk mitigation measures for the TMEP operations: Marine Terminal personnel who are trained for the purpose.	Application Volume 8C TR 8C01 Tempol 3.1 - Introduction p16	During Operations	In Progress		The current WMT technician training program will be updated to enable continued safe working practices are employed with new equipment and processes
2,745	Marine Shipping	NEB	Trans Mountain will employ risk mitigation measures for the TMEP operations: Tethered tugs and standby tugs to assist the tanker during berthing at the terminal.	Application Volume 8C TR 8C01 Tempol 3.1 - Introduction p16	During Operations	In Progress		All tankers must employ pilots and tugs when berthing or unberthing from WMT. This requirement will continue to be enforced in future.
2,747	Marine Shipping	Tempol Review Committee	Trans Mountain will employ risk mitigation measures for the TMEP operations: Loading platform at the berths drained to slop tanks and treated at shore.	Application Volume 8C TR 8C01 Tempol 3.1 - Introduction p16	During Operations	Superseded by Management Plan		
2,751	Marine Shipping	Tempol Review Committee	Trans Mountain will employ risk mitigation measures for the TMEP operations: Overfilling detection at the tanker vessel.	Application Volume 8C TR 8C01 Tempol 3.1 - Introduction p16	During Operations	In Progress		All tankers must be fitted with overfill detection, this is checked by the Loading Master as part of checks and inspections. This is accounted for in the Westridge Marine Terminal Regulations and Operations Guide (WMTROG) and the Tanker Acceptance Standard (TAS).
2,753	Marine Shipping	Tempol Review Committee	Trans Mountain will employ risk mitigation measures for the TMEP operations: Operational procedures to ensure that all systems work adequately prior to cargo transfer.	Application Volume 8C TR 8C01 Tempol 3.1 - Introduction p16	During Operations	In Progress		This is part of the Ship/Shore Safety Checklist and is checked by Loading Master prior to vessel acceptance, prior to commencing loading, and monitored during loading.
2,754	Marine Shipping	Tempol Review Committee	Trans Mountain will employ risk mitigation measures for the TMEP operations: Operational procedure for safe cargo transfer activities both onboard the ship and at the terminal.	Application Volume 8C TR 8C01 Tempol 3.1 - Introduction p16	During Operations	In Progress		Oil Companies International Marine Forum (OCIMF) recommendations and operating best practices are followed with the Loading Master in attendance and monitoring.
2,755	Marine Shipping	Tempol Review Committee	Trans Mountain will employ risk mitigation measures for the TMEP operations: A Loading Master assigned to each loading tanker.	Application Volume 8C TR 8C01 Tempol 3.1 - Introduction p16	During Operations	In Progress		A Loading Master is assigned to every vessel transferring cargo at WMT. This practice will continue in future.
2,756	Marine Shipping	Tempol Review Committee	Trans Mountain will employ risk mitigation measures for the TMEP operations: Fire prevention and protection both onboard the vessel and at the marine terminal.	Application Volume 8C TR 8C01 Tempol 3.1 - Introduction p16	During Operations	In Progress		Fire prevention and protection onboard the vessel and at the WMT are already part of regular operating practices. There will be upgrades to the WMT systems as part of the expansion of the dock facility.
2,758	Marine Shipping	Tempol Review Committee	Although the use of Ore-bulk-oil (OBO) vessels has decreased since the 1980s it cannot be excluded that these vessel types are also used as oil carriers. However, Trans Mountain will only allow tankers to call at the Westridge Marine Terminal for oil transport.	Application Volume 8C TR 8C06 Tempol 3.8-Casualty Data p17	During Operations	In Progress		OBOs are not accepted at WMT. This will be clarified in the updated Tanker Acceptance Standard (TAS) to be filed with the NEB as per Condition 134.
2,762	Marine Shipping	Tempol Review Committee	Prior to any cargo transfers involving a tanker berthed at the Terminal, Trans Mountain commits to conducting a two stage tanker acceptance process as follows: <ul style="list-style-type: none"> <li>• Tanker pre-screening for scheduling purposes</li> <li>• Tanker physical inspection</li> </ul>	Application Volume 8C TR 8C07 Tempol 3.9-Ship Specifications p15	During Operations	Superseded by NEB Condition	134	This vessel acceptance process is currently in place and this will continue in future. NEB Condition 134 Tanker Acceptance Standard (TAS).

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2,779	Marine Shipping	Tempol Review Committee	Trans Mountain will continue to operate the meteorological station at the Westridge Marine Terminal to enhance the safety of mooring vessels during windy conditions. To enable this enhanced safety measure, a site office display can be installed to enable real time observations of weather parameters, particularly wind speed and direction.	Application Volume 8C TR 8C08 Tempol 3.10-Site Plans p48	Prior to Operations	In Progress		
2,928	Marine Shipping	Environment Canada	Trans Mountain will ensure all tankers and barges operating at Westridge Marine Terminal are Vapour Emission Control (VEC)-equipped. This practice will continue in future.	GoC_EC_IR_No._1.067	During Operations	Superseded by Legal/Regulatory Requirement		This is already a requirement for all crude oil vessels under the Tanker Acceptance Standard.
3,002	Marine Shipping	NEB	Trans Mountain will continue to provide information about Trans Mountain Project-related shipping to other marine users. Specifically: - provide regular updated information on Project-related marine vessel traffic to fishing industry organizations, Aboriginal communities and other affected stakeholders, where possible, through the Chamber of Shipping of BC; and - initiate a public outreach program prior to Project operations phase. Communicate any applicable information on Project-related timing and scheduling with fishing industry organizations, Aboriginal communities and other affected stakeholders.	NEB_IR_No._3.008a-Attachment_1	Prior to Operations	Superseded by NEB Condition	131	Trans Mountain has prepared and consulted on an engagement plan that meets the requirements of NEB Condition 131 (Marine Public Outreach). To date TERMPOL review committee members, including Transport Canada, Vancouver Fraser Port Authority, BC Coast Pilots, Pacific Pilotage Authority have reviewed the plan as well as a new poster that has been created with safety information about boating safely near deep draft vessels. Trans Mountain has also met with representatives of the Commercial Shipping sector to initiate a dialogue about the project. Engagement will continue with marine waterway users, including Aboriginal groups, as per the tactics outlined in the plan.
3,011	Marine Shipping	NEB	To enhance preventive measures currently in place through applicable legislation and regulations, Trans Mountain will implement the May 2013 recommendations of the Canadian Marine Pilot's Association Submission to the Tanker Safety Expert Panel.	NEB_IR_No._3.010a-Attachment_1	During Operations	In Progress		
3,013	Marine Shipping	NEB	Trans Mountain will ensure shippers have appropriate processes in place to address vessel damage, gear loss or injury.	NEB_IR_No._3.010a-Attachment_1	During Operations	Complete		Trans Mountain requires port agents to represent vessel owners in case of vessel damage, gear loss or third party injury. This is currently included in Tanker Acceptance Standard (TAS). An updated version of the TAS will be published as per the requirements of NEB Condition 134.
3,023	Marine Shipping	NEB	Trans Mountain agrees that the protection of Tsartlip First Nation's sensitive aquatic environments is critical. In order to manage potential effects from air, greenhouse gas (GHG), noise (including underwater noise) and bilge discharge related pollution, Trans Mountain has implemented the following mitigation measures: • All Project-related tankers are required to adhere to federal standards that may reduce air emissions, including standards for bunker fuel. • All Project-related tankers are required to adhere to federal standards that may reduce GHG emissions, including standards for bunker fuel. • All Project-related marine vessels will be fitted with exhaust silencers similar to those already in use through industry standards.	NEB_IR_No._3.010a-Attachment_1	During Operations	In Progress		These items are all (except specific mention of fitting of silencers) part of the Tanker Acceptance Standard (TAS). TAS also requires "4.8.1 All vessels shall conduct operations within Canada, specifically PMV, in accordance with any additional guidance provided by the Terminal, and always respectful of the rights of the residents in surrounding neighbourhoods to not be unnecessarily disturbed by noise, odours, and health or other concerns from vessel operations. Such additional instructions may be verbal or written in nature and shall be issued by the Loading Master."



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3,497	Marine Shipping	Environment Canada	Trans Mountain will implement the following mitigation measures at the Westridge Marine Terminal to reduce potential effects from artificial lighting: <ul style="list-style-type: none"> <li>• During migratory bird periods and/or during extreme weather events, bird strike warnings will be issued to berthed vessels with a request to reduce deck lighting.</li> <li>• Inform all operators of Project-related vessels of the hazards regarding bird strikes occurring at night because of deck lighting or inclement weather and bird collisions with Westridge Marine Terminal structures. Report all bird strikes/collisions immediately to Trans Mountain's Lead Activity Inspector and the Environmental Inspector. Bird strikes/collisions during operations will be reported to Trans Mountain's Operations Supervisor.</li> </ul>	GoC_EC_IR_No._2.050	During Operations	In Progress		Information will be provided via the Westridge Marine Terminal Regulations and Operations Guide (WMTROG).  The WMT Lighting Plan objective is to achieve compliance with IESNA recommendation for rural and low density residential areas (Dark Sky Zone LZ1); this includes berthing lighting design.
3,850	Marine Shipping	NEB	Trans Mountain agrees that the protection of Tsartlip First Nation's sensitive aquatic environments is critical. In order to manage potential effects from air, greenhouse gas (GHG), noise (including underwater noise) and bilge discharge related pollution, Trans Mountain has implemented the following mitigation measures: <ul style="list-style-type: none"> <li>• All Project-related tankers are required to adhere to federal standards that may reduce air emissions, including standards for bunker fuel.</li> <li>• All Project-related tankers are required to adhere to federal standards that may reduce GHG emissions, including standards for bunker fuel.</li> <li>• All Project-related marine vessels will be fitted with exhaust silencers similar to those already in use through industry standards.</li> </ul>	NEB_IR_No._3.010a-Attachment_1	During Operations	In Progress		
154	Operations	City of Burnaby	Trans Mountain will incorporate expansion of the Burnaby Terminal into its existing storm water monitoring program, whereby Trans Mountain will continue to monitor any flash drainage events in an effort to identify potential effects and implement necessary measures to reduce or avoid Project-related effects to the Eagle Creek watershed.	City_Burnaby_IR_No._1.04.05c, Volume 5A, 7-387.	During Operations	In Progress		
262	Operations	Adams Lake Indian Band	In the event that construction-related issues persist past five years of monitoring, the Post-Construction Environmental Monitoring (PCEM) program will continue until measures are considered to be effective and the issue resolved.	ALIB_IR_No._1.6.08a	During Operations	Superseded by NEB Condition	151	
264	Operations	Adams Lake Indian Band	In the unlikely event of a spill that results in contamination of food fish for Aboriginal communities, should residual environmental effects or contamination remain, Trans Mountain would consult with affected Aboriginal communities to identify mutually acceptable in-kind or replacement measures to replace or offset impacts directly related to and caused by the spill.	ALIB_IR_No._1.3.38	During Operations	Superseded by Management Plan		
281	Operations	BC Parks; NEB	For maintenance and operations purposes, Trans Mountain will work with BC Parks to identify roads that may need to be reactivated and will determine which access controls (e.g., gates) may be warranted.	BC Parks boundary adjustment application (August 2014)	During Operations	Scoping		
282	Operations	BC Parks; NEB	Trans Mountain will ensure that access to any point on the pipeline is available year round in the event of an operational issue or in the unlikely event of a leak.	BC Parks boundary adjustment application (August 2014)	During Operations	Scoping		
364	Operations	NEB	Trans Mountain will monitor the condition of the right-of-way in a timely manner after any heavy rainfall events to look for erosion or washout areas and remediate any damage to protect the integrity of the pipeline.	Application Volume 5A, 7-530.	During Operations	Superseded by Management Plan		

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399	Operations	Tsleil-Waututh Nation	Trans Mountain will conduct a search of records and will file additional information regarding points (5) and (7) of this IR, if that information is available and reliable: (IR: Concerning any spills or releases from the existing Trans Mountain pipeline (5) how much released product made its way into a water body; and (7) the Environmental effects of the release).	Tsleil-Waututh_Nation_F-IR_No._1.2.1.5.01a	Prior to Construction	Complete		
414	Operations	Chris Amy	Trans Mountain will run regular cleaning pigs through the pipeline to mobilize any deposits to prevent internal corrosion. Trans Mountain will perform in-line inspection as outlined in Volume 4C Section 8.1.4 of the Application to monitor for metal loss due to internal corrosion. Trans Mountain will complete field inspections of any anomalies that meet Trans Mountain's inspection criteria and will complete any required repairs.	Amy_C_IR_No._1.6b	During Operations	Scoping		
416	Operations	City of Burnaby	Annual risk assessments will consider internal corrosion, external corrosion, cracking, third party damage, material defects, outside forces and operator error.	City_Burnaby_IR_No._1.46.04__m	During Operations	Superseded by Management Plan		
417	Operations	City of Burnaby	Chemical dispersants would not be stored at Westridge Terminal.	City_Burnaby_IR_No._1.26.08b	During Operations	In Progress		
418	Operations	City of Burnaby	Depth of cover will be monitored every 5 years during close interval cathodic protection surveys and any hazards resulting from low depth of cover will be addressed.	City_Burnaby_IR_No._1.46.04__h	During Operations	Superseded by Management Plan		
420	Operations	City of Burnaby	Risk assessments will be performed annually on the pipelines and every 3 years on facilities.	City_Burnaby_IR_No._1.46.04__hh	During Operations	Superseded by Management Plan		
421	Operations	City of Burnaby	Trans Mountain will complete a baseline natural hazard assessment of the TMEP system within the first year of operation and incorporate the identified natural hazard sites into the established natural hazard database.	City_Burnaby_IR_No._1.46.04__p	During Operations	Superseded by NEB Condition	147, 66	
422	Operations	City of Burnaby	Trans Mountain will monitor corrosion growth rates through successive in-line inspection tool runs to ensure that the pipe remains safe to operate.	City_Burnaby_IR_No._1.46.04__w	During Operations	Superseded by Management Plan		
423	Operations	City of Burnaby	Trans Mountain will monitor for metal loss, pipe movement, mechanical damage, cracking and material defects on a nominal 5 year interval using an in-line inspection program.	City_Burnaby_IR_No._1.46.04__n	During Operations	Scoping		
424	Operations	City of Vancouver	Trans Mountain will adaptively manage potential residual effects associated with changing climate through the Natural Hazards Management Program. During operations of the Project, it is expected that Trans Mountain will be adaptive in their management of the pipeline and schedule maintenance activities to accommodate local Environmental conditions and implement the appropriate protection measures to suit local Environmental conditions thereby reducing the potential Environmental effects.	City_of_Vancouver_IR_No.1.06.02a	During Operations	In Progress		
425	Operations	C.G.L.A.P. - Collaborative Group of Landowners Affected by Pipelines	Trans Mountain is committed to provide advance notice in a reasonable and practical manner, and to control work hours to minimize the disruption to the owner's use of their land in accordance with the NEB Operations and Maintenance Activities Guidelines.	CGLAP_IR_No._2.9c	During Operations	Superseded by Legal/Regulatory Requirement		
426	Operations	Natural Resources Canada	Trans Mountain will monitor flooding advisories and perform additional aerial and ground patrols during high river flow conditions but there are currently no plans to perform real time monitoring of specific river crossing sites.	GoC_NRCan_IR_No._1.03.7	During Operations	Scoping		

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428	Operations	New Democratic Party of Canada	Trans Mountain will dispatch personnel for the purpose of preventing spills on a routine basis including to complete integrity digs, preventive maintenance, clearing, signage, inspection, response to unauthorized activity reports near the pipeline, and many other varied tasks.	NDP_IR_No._ 1.1.1d	During Operations	Superseded by Management Plan		
429	Operations	North Shore NOPE	Trans Mountain will continue to operate a learning management system to track and document all employee training.	NSNOPE_IR_No._R-1.17b	During Operations	Superseded by Management Plan		
430	Operations	Upper Nicola Band	Trans Mountain will complete in-line inspections with a high-resolution ultrasonic crack detection tool within two years of start-up of the Darfield to Black Pines segment.	Upper_Nicola_Band_IR_No._1.08h	During Operations	Scoping		
431	Operations	Upper Nicola Band	Trans Mountain will monitor locations with risk of slope movement as part of its Natural Hazard program as outlined in Section 8.15 of Volume 4C of the application. Where recommended as a result of engineering assessments, Trans Mountain will install instruments to monitor slope movement or to monitor pipeline strain to ensure the pipeline is not being damaged by soil movements.	Upper_Nicola_Band_IR_No._1.08o	During Operations	Superseded by Management Plan		
434	Operations	NEB	Any product moved in the pipeline must meet Trans Mountain's tariff requirements which include the following limitations on product qualities: <ul style="list-style-type: none"> <li>• a maximum temperature of 38°C;</li> <li>• a maximum density of 940 kg/m3 (specific gravity of 0.94);</li> <li>• a maximum viscosity of 350 centistokes at Reference Temperature;</li> <li>• maximum impurities (bottom sediments and water) of 0.5% of volume; and</li> <li>• maximum Reid Vapour Pressure of 103 kPa.</li> </ul>	Part 2 – Consultation Update No. 1, 2-66	During Operations	Superseded by Management Plan		
435	Operations	NEB	As is the case on the existing Trans Mountain system, comprehensive integrated procedures will ensure that batches are reliably injected and Trans Mountain Pipeline (ULC) delivered in accordance with pumping instructions issued to the CCOs by the Shipper Services Department.	Part 2 – Consultation Update No. 1, 2-47	During Operations	Superseded by Management Plan		
437	Operations	NEB	Trans Mountain will commit to complete integration of all inspection data sets with the final integration to be complete within the first two years of operation or following completion of the dig program for the crack inspection.	NEB_IR_No._1.89d	During Operations	Scoping		
438	Operations	NEB	Trans Mountain will review its existing operations (i.e., staff levels, operations facilities, pipeline protection and integrity programs) and will make appropriate adjustments to support the proposed expanded TMPL system.	Pre-Application Project Description, p 1.	During Operations	In Progress		
439	Operations	NEB	Trans Mountain will track GHG emissions in Alberta and British Columbia during the operation of the pipeline once construction has been completed. In compliance with federal and provincial GHG reporting requirements, Trans Mountain will report direct annual operating GHG emissions from facilities which meet or exceed the reporting thresholds.	NEB_IR_No._1.32	During Operations	Superseded by Management Plan		
467	Operations	NEB	If the attributable GHG emissions due to TRans Mountain's BC operations in a reporting year exceed the reporting threshold of 10,000 tonnes CO2e, a GHG report will be prepared and submitted for the Westridge Marine Terminal.	NEB_IR_No._3.018a	During Operations	Superseded by Management Plan		
508	Operations	NEB	For the new Westridge Delivery Pipelines, Trans Mountain commits to deploying acoustic leak detection tools on a regular basis to ensure that no pinhole leaks are present.	NEB_IR_No._3.103g	During Operations	Scoping		
509	Operations	NEB	Trans Mountain will complete baseline in-line inspection (ILI) surveys for the Westridge Delivery lines in accordance with Section 8 of Volume 4C.	NEB_IR_No._3.103, Volume 4C, Section 8 (Filing ID A3S1L1)	During Operations	Superseded by NEB Condition	143	

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549	Operations	Environment Canada	Trans Mountain will review the requirements of the Guideline and Specification for Outdoor Lighting at Parks Canada and consider a future project to revise the existing lighting at Jasper Pump Station.	GoC_EC_IR_No._2.134	Prior to Construction	Complete		
567	Operations	Burnaby Residents Opposing Kinder Morgan Expansion - BROKE	Trans Mountain intends to review and update its brochure entitled "Earthquakes and Pipelines: Can they Survive Together" for future Public Awareness Activities.	BROKE_IR_No._2.1e	Prior to Construction	Complete		
616	Operations	City of Burnaby	Trans Mountain Operations commits to applying for amendments to Westridge waste discharge permit a minimum of 6 months prior to modifications to the sampling point(s) or drainage area(s) at the facility as it relates to construction.	City_Burnaby_IR_No._2.073 b	Prior to Construction	No Longer Applicable		TMEP is not dismantling the water sampling location and Commitment is no longer applicable.
625	Operations	NEB	Trans Mountain will commit to provide an updated engineering assessment (including fatigue assessments and future inline inspection (ILI) schedules) upon completion of the baseline work and prior to the pipeline segments being placed in Line 2 service in 2018.	NEB_IR_No._4.44	Prior to Operations	Scoping		
727	Operations	Township of Langley	Trans Mountain commits to maintain pavement cuts for a minimum of one year after the work is completed.	Langley_IR_No._2.19.b	During Operations	Scoping		
737	Operations	Edward Farquhar	Trans Mountain is committed to adding additional procedures to more specifically address slack line flow conditions to the existing Trans Mountain procedures. Trans Mountain will have these procedures completed and in use prior to the operation of the expanded pipeline system.	Farquhar_T_IR_No._2.2.1f	Prior to Operations	In Progress		
738	Operations	Edward Farquhar	Trans Mountain is committed to adding additional procedures to more specifically address column separation prior to a pipeline start-up would be a useful enhancement to the existing procedures. Trans Mountain will have these procedures completed and in use prior to the operation of the expanded pipeline system.	Farquhar_T_IR_No._2.2.1h	Prior to Operations	In Progress		
739	Operations	Edward Farquhar	Trans Mountain will ensure that a review of shut-down procedures, including the rationale for selecting a 10-minute rule or another rule as may be appropriate, is part of the consultation program to be undertaken with the Province of BC.	Farquhar_T_IR_No._2.2.4a	Prior to Construction	Complete		
740	Operations	Edward Farquhar	Trans Mountain will perform the API 1149 calculations during the detailed engineering and design phase, likely in late 2016, assuming the current overall Project schedule is maintained.	Farquhar_T_IR_No._2.2.8a	Prior to Operations	Scoping		
748	Operations	Squamish Nation	Trans Mountain will assess the potential for serious harm resulting from a spill during the operation phase, including appropriate cleanup, mitigation, and potential offset measures if warranted, will be completed on a case-by-case basis, as required.	Squamish_Nation_IR_No. 2(c).01.g	During Operations	Scoping		
752	Operations	City of Vancouver	Trans Mountain will, in 2015, be installing a second complementary Computational Pipeline Monitoring (CPM) system that will operate in parallel with the existing system. The new CPM system will use a different technology to recognize leaks.	City_of_Vancouver_IR_No._2.09.2i	Prior to Construction	Superseded by NEB Condition	115	
756	Operations	Katzie First Nation	Trans Mountain will provide a safe water supply to Aboriginal groups and individuals during the period that a drinking water advisory is in place to mitigate any effects of the Project on surface and groundwater supply.	Katzie_FN_IR_No._2_2.12a	Prior to Construction	Superseded by NEB Condition	71	
759	Operations	Katzie First Nation	Trans Mountain is committed to constructing the new pipeline (Line 2) in a manner that prevents column separation.	Katzie_FN_IR_No._2_2.13a	During Construction	Scoping		

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767	Operations	Province of British Columbia	Trans Mountain commits to evaluate available technologies as they develop with a goal for continually improving leak detection including non-Computational Pipeline Monitoring (CPM) based systems for the Trans Mountain pipeline system and will implement technologies that we determine to be viable and effective for our operations.	Province_BC_IR_No._2.16e	During Operations	Scoping		
769	Operations	Province of British Columbia	Trans Mountain will update its existing Integrity Management Program (IMP) and scope of work document that prescribes the frequency patrol for the entire Trans Mountain pipeline right-of-way as necessary for the Project.	Province_BC_IR_No._2.17	During Operations	Superseded by Management Plan		
770	Operations	Province of British Columbia	Trans Mountain commits to introducing a leak detection procedure directing the Control Centre Operator (CCO) to perform a controlled shutdown of the pipeline when a leak cannot be ruled out in a given time period after initial indication.	Province_BC_IR_No._2.20	During Operations	Complete		
771	Operations	Province of British Columbia	Trans Mountain commits to including the review of shutdown procedures, including the rationale for selecting a 10 minute threshold or other time thresholds, in the consultation program with the Province of BC as part of developing the updated Emergency Management Plan (EMP).	Province_BC_IR_No._2.20c	Prior to Operations	Scoping		
779	Operations	Province of British Columbia	Trans Mountain's Waste Management Plan and Environment Plan will be reviewed and enhanced prior to the in-service date of the expanded pipeline system to ensure the Plans adequately address the needs of the expanded pipeline and addresses all future regulatory requirements.	Province_BC_IR_No._2.38	Prior to Operations	Superseded by Management Plan		
794	Operations	Upper Nicola Band	As part of its Integrity Management Program, Trans Mountain has committed to continuing crack assessments and axial flaw assessments on a maximum interval of 5 years following the baseline assessments.	Upper_Nicola_Band_IR_No._2.09d	Project Lifecycle	Superseded by Management Plan		
823	Operations	Fraser Valley Regional District	Trans Mountain commits to delivering quarterly reports on odour complaints from Sumas Tank Terminal to the Fraser Valley Regional District (FVRD) for the operational lifetime of the Trans Mountain Expansion Project (TMEP).	FVRD_IR_No._2.17b	Project Lifecycle	Complete		
850	Operations	Fraser Valley Regional District	Trans Mountain commits to delivering quarterly reports on odour complaints/complaints/air quality from all facilities and pipeline within the Fraser Valley Regional District (FVRD) to the FVRD for the operational lifetime of the Trans Mountain Expansion Project (TMEP).	FVRD_IR_No._2.17	During Operations	Complete		
863	Operations	Upper Nicola Band	Through its Pipeline Integrity Management Plan, Trans Mountain will continue to monitor the integrity of all watercourse crossings on the current and expanded Trans Mountain Pipeline system.	Upper_Nicola_Band_IR_No._2(c).02.p	Project Lifecycle	Superseded by Management Plan		
875	Operations	NEB	Trans Mountain will run the ultrasonic (USCD) ILI inspection as soon as possible once the pipeline is in service. Trans Mountain does not expect to take the full two years to complete inspections; however, to account for tool availability and other factors that may be outside of Trans Mountain's control, Trans Mountain committed to a 2 year window to complete inspections.	NEB_IR_No._4_42b	During Operations	Scoping		
876	Operations	NEB	Trans Mountain will complete inspections on a more frequent basis if fatigue growth calculations show that a shorter inspection interval is required.	NEB_IR_No._4_43a	During Operations	Superseded by Management Plan		
878	Operations	NEB	Trans Mountain will also inspect the reactivated segments, within the first two years of operation, with a specialized high-resolution ultrasonic tool, to verify that no detrimental crack defects were initiated and/or grew as a result of the hydrostatic testing.	Application Volume 4A-117.	During Operations	In Progress		

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931	Operations	Simon Fraser University	Trans Mountain will conduct ambient air quality monitoring at the Westridge Marine Terminal and emissions source tracking of contaminants of potential concern. Contaminants of potential concern that will be directly measured include particulate matter (PM10 and PM2.5), carbon monoxide (CO), nitrogen dioxide (NO2), sulphur dioxide (SO2), hydrogen sulphide (H2S) and volatile organic compounds (VOCs).	SFU_IR_No._2.5.19.4	During Operations	Superseded by NEB Condition	52	
946	Operations	Peters Band	Trans Mountain will implement all weed and pest treatments on the right-of-way in BC in accordance with the Integrated Pest Management (IPM) Regulation of BC (BC Reg. 604/2004) as part of the BC Integrated Pest Management Act (Government of BC 2003 and 2004).	Peters_Band_IR_No._2(b).2.5c	Prior to Construction	Superseded by Management Plan		
948	Operations	Peters Band	In the unlikely event that released petroleum impacts groundwater, Trans Mountain will implement a remediation program to recover petroleum and treat contaminated water to meet stringent government criteria.	Peters_Band_IR_No._2(b).3.04a	Prior to Operations	Superseded by Management Plan		
997	Operations	Fraser Valley Regional District	Trans Mountain will cover required internal pipeline protection inspector costs within the right-of-way for new Fraser Valley Regional District (FVRD) road and utility crossings.	FVRD_IR_No._1.36c	During Operations	Scoping		
1,310	Operations	Squamish Nation	Trans Mountain will commit to deploying acoustic leak detection tools on a regular basis to ensure that no pinhole leaks are present as a further level of precaution.	Squamish_Nation_IR_No._2.12.h	During Operations	Scoping		
1,520	Operations	City of Burnaby	Trans Mountain Pipeline ULC (Trans Mountain) will commit to deploying acoustic leak detection tools on a regular basis in the Westridge Delivery lines to ensure that no pinhole leaks are present.	City_Burnaby_IR_No._2.007h	During Operations	In Progress		
1,522	Operations	Katzie First Nation	Trans Mountain will continue to conduct Westridge loading operations inside a pre-deployed boom, which would contain a release. Additional boom and response equipment, including skimmers, will be maintained on site.	Katzie_FN_IR_No._1.11b	During Operations	In Progress		
1,529	Operations	NEB	The Westridge Marine Terminal will continue to have operations staff on site at all times.	Application Volume 2, 2-22.	During Operations	In Progress		
1,596	Operations	Province of British Columbia	Trans Mountain will review its wildlife care requirements for the Project as part of its Emergency Management Program (EMP) consultation with the Province of BC.	Province_BC_IR_No._2.37	Prior to Operations	Scoping		
1,665	Operations	City of Burnaby	Trans Mountain is committed to ensuring that testing at the Burnaby Terminal will have no impact on residential power or water systems.	City_Burnaby_IR_No._1.25.03d	During Operations	In Progress		
1,732	Operations	City of Chilliwack	Trans Mountain commits to adopting to its Pipeline Integrity Management Program (IMP), as described in the response to City of Chilliwack IR 1.3.2b.	Route_Variance_Chilliwack_BC_Hydro_City_of_Chilliwack_IR_1.3.2b	Prior to Construction	Superseded by Management Plan		
1,733	Operations	City of Chilliwack	Trans Mountain commits to installing a second complementary continuous pipeline monitoring (CPM) system that will operate in parallel with the existing system.	Route_Variance_Chilliwack_BC_Hydro_City_of_Chilliwack_IR_1.3.3h	Prior to Construction	Superseded by NEB Condition	115	
1,817	Operations	Simon Fraser University	Trans Mountain is committed to meeting the requirements of Trans Mountain's Environment, Health and Safety Policy that is accomplished through the Odour Complaint Investigation and Response Program and various emission reduction measures.	SFU IR No._2.5.12.3	During Operations	Complete		
1,859	Operations	Hannah Varto	Trans Mountain will require the Control Centre Operator to shut down and isolate the pipeline if the risks determined from this evaluation are moderate or higher in order to reduce potential consequences. A field inspection process will be in place to inspect the pipeline and facilities for possible damage prior to authorizing the restart of the pipeline following a safety shutdown.	Varto_H_IR_No._1.2.E2.3	During Operations	Scoping		

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2,108	Operations	BC Parks	To access the right-of-way Trans Mountain will use low-ground-pressure tracked machines to facilitate access year round. For maintenance and operations purposes, Trans Mountain will work with BC Parks to identify roads that may need to be reactivated and will determine which access controls (e.g., gates) may be warranted.	08_BC_Parks_IR_5_Jan_2015 (Informal IRs, Request No. 3)	During Operations	Scoping		
2,140	Operations	Province of British Columbia	Trans Mountain will investigate and respond to neighbouring water well owner complaints potentially related to the pipeline operations, regardless of available pre- or post-construction testing requirements.	Province_BC_IR_No._1.1.38	During Operations	Scoping		
2,147	Operations	Province of British Columbia	As part of its Integrity Management Program, Trans Mountain has committed to continuing crack assessments and axial flaw assessments on a maximum interval of 5 years following the baseline assessments with an objective to detect and repair any features of concern before they become a threat to fail in service.	Province_BC_IR_No._2.2.18 b	During Operations	Scoping		
2,161	Operations	NEB	Trans Mountain will commit to complete integration of all inspection data sets within the first two years of operation or following completion of the dig program for the crack inspection.	NEB_IR_No._1.89d	During Operations	Scoping		
2,274	Operations	NEB	Once the Project is in operation, Trans Mountain will cover the costs of Trans Mountain employees required to monitor and assist the City of Edmonton in undertaking facility construction proximate to the expanded Trans Mountain Pipeline system.	NEB_IR_No._6.19	During Operations	Scoping		
2,280	Operations	City of Abbotsford	As indicated in City of Abbotsford IR No. 1.07c, Trans Mountain is committed to consulting on the Facilities Integrity Management Plan (FIMP), but Trans Mountain will not seek agreement or approval on the FIMP.	City of Abbotsford IR No. 1.07e; City of Abbotsford IR No. 1.07c	Prior to Construction	Scoping		
2,351	Operations	The City of Edmonton	Trans Mountain will waive the cost of its inspector anytime such inspector is present to monitor work done near the pipeline in Whitemud Drive. Trans Mountain agrees that this is a reasonable request, and is willing to commit to waiving these costs in the circumstances described. Trans Mountain will update its commitment tracking table accordingly, and, as such, a condition on the approval is not necessary.	Reply Argument - Appendix B - Intervenor Proposed Conditions - Condition 9d	During Operations	Scoping		
2,447	Operations	City of Burnaby	Trans Mountain commits to establish its process for the identification of hazards in facilities. In addition to risk assessments which will be conducted every three years, Trans Mountain commits to conduct regular inspection and testing of hazard control measures that will be managed through a computerized maintenance management system.	City_Burnaby_IR_No._1.13.04b	During Operations	Scoping		
2,495	Operations	Government of Canada	If a drinking water advisory were to be issued as a result of a spill, Trans Mountain will commit to working with the leadership of the Aboriginal community to identify surplus capacity from other drinking water sources in the area, while suitable replacement alternatives are established and implemented.	Reply Evidence 5.2.3.1.3 Human Health Risk Assessment p.45-73 Line 40	During Operations	Scoping		
2,506	Operations	City of Burnaby	Trans Mountain will support employment of additional field staff for various operations and maintenance support roles ranging from engineering to administrative. Trans Mountain anticipates that an incremental 40 to 45 operations and maintenance personnel will be required at field locations in BC. The additional field operations and maintenance staff will be recruited sufficiently in advance of the start-up of the expanded TMPL system to allow for appropriate training to take place, including in emergency response.	Reply Evidence 6.2 Stakeholder Engagement - p13 - line 39	During Operations	Scoping		

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2,567	Operations	NEB	Trans Mountain will ensure each berth will be provided with a spill containment boom sized to encircle an Aframax class vessel. Trans Mountain will ensure loading of a vessel will not start before the deployment of the boom. The boom will remain in place until the loading arms have been retracted and secured.	Application Volume 4A s. 3.4.4.2.1 p4A-89	During Operations	Scoping		
2,590	Operations	NEB	Trans Mountain will ensure all remote pump stations and ancillary facilities (those pump stations and ancillary facilities not located at maintenance bases) in the expanded TMPL system will be visited by operations personnel on a regular basis, with the frequency determined by subjective and quantitative risk assessments and from operating experience, as is the case for the existing TMPL system.	Application Volume 4C s. 6.3 p4C-15	During Operations	Scoping		
2,591	Operations	NEB	Similar to the existing Trans Mountain system, Trans Mountain will commit to staff 24 hours per day, seven days per week and the operations personnel will conduct daily surveillances for the expanded terminals, with the exception of Sumas Terminal.	Application Volume 4C s. 6.3 p4C-16	During Operations	Scoping		
2,594	Operations	NEB	Trans Mountain will use a high-resolution USCD tool to be run in each of the new Line 2 pipeline segments within the first five years of operation.	Application Volume 4C s. 8.1.4 p4C-27	During Operations	Scoping		
2,595	Operations	NEB	Within one year of the new Line 2 pipeline segments entering service, Trans Mountain will complete a baseline in-line inspection (ILI) survey of pipeline geometry and metal loss will be undertaken with a high-resolution tool.	Application Volume 4C s. 8.1.4 p4C-27	During Operations	Scoping		
2,596	Operations	NEB	The planned in-line inspection (ILI) program for the reactivation of the existing inactive pipeline segments that will form parts of Line 1 is described in Volume 4A, Section 3.6. In addition, Trans Mountain will ensure a high-resolution USCD tool will be run in each of the reactivated pipeline segments within the first two years of operation.	Application Volume 4C s. 8.1.4 p4C-27	During Operations	Scoping		
2,864	Operations	City of Coquitlam	Trans Mountain will ensure regular aerial patrols are conducted as part of a pipeline protection program to prevent third party damage to the pipeline from unauthorized ground disturbance activities.	City_Coquitlam_IR_No._1.C.3	During Operations	Scoping		
2,866	Operations	City of Coquitlam	Trans Mountain will complete maintenance digs and repairs based on In-line Inspection (ILI) tool analysis results to repair anomalies before they become a threat to failure.	City_Coquitlam_IR_No._1.C.3	During Operations	Scoping		
2,867	Operations	City of Coquitlam	Trans Mountain will complete regular cathodic protection (CP) test lead surveys and close spaced surveys to ensure the effective operation of the CP system for corrosion prevention.	City_Coquitlam_IR_No._1.C.3	During Operations	Scoping		
2,868	Operations	City of Coquitlam	Trans Mountain will complete regular cleaning pig runs to mobilize any sediments and water that might accumulate in the lines to prevent internal corrosion.	City_Coquitlam_IR_No._1.C.3	During Operations	Scoping		
2,896	Operations	City of Vancouver	Trans Mountain will monitor the condition of the right-of-way in a timely manner after any heavy rainfall events to look for erosion or washout areas and remediate any damage to protect the integrity of the pipeline.	City_Vancouver_IR_No._1.0 6.02a	During Operations	Scoping		
2,906	Operations	NEB	Trans Mountain will make sure requirements for flyover frequency would be assessed once the new pipeline becomes operational and will be in accordance with regulatory requirements.	Application Volume 5A. Technical Update No. 1 and Consultation Update No. 2 - Part 2 Table 1.6.2-1	During Operations	Scoping		
3,010	Operations	NEB	Once in operation, Trans Mountain will ensure that at no time will the pipeline be cleaned with water.	NEB_IR_No._3.010a-Attachment 1	During Operations	Scoping		



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3,506	Operations	City of Abbotsford	Following blasting and construction, a hydrostatic test will be completed to confirm the integrity of the pipeline and a comprehensive integrity program will be implemented to confirm the long-term integrity of the pipeline.	City_of_Abbotsford_IR_No._1.20b	During Operations	Scoping		
3,507	Operations	Living Oceans Society	Trans Mountain will implement additional controls to prevent the discharge of hydrocarbons into storm water including, as applicable to the Sumas Terminal: • Observation by operations personnel before and during storm water draining from secondary containment areas.	Living_Oceans_IR_No._1.28a	During Operations	Complete		
3,508	Operations	Living Oceans Society	Trans Mountain will implement additional controls to prevent the discharge of hydrocarbons into storm water including, as applicable to the Burnaby Terminal: • Observation by operations personnel before and during storm water draining from secondary containment areas.	Living_Oceans_IR_No._1.28a	During Operations	Complete		
3,509	Operations	Living Oceans Society	Trans Mountain will implement additional controls to prevent the discharge of hydrocarbons into storm water including, as applicable to the Westridge Marine Terminal: • Observation by operations personnel before and during storm water draining from secondary containment areas.	Living_Oceans_IR_No._1.28a	During Operations	Complete		
3,510	Operations	NEB	Trans Mountain will focus efforts during the execution of operations and maintenance programs and procedures, to prevent the alignment of conditions that could lead to a secondary containment pool fire event and the potential consequential effects at the Burnaby Terminal.	NEB_IR_No._4_29c	During Operations	Scoping		
3,511	Operations	NEB	Trans Mountain will focus efforts during the execution of operations and maintenance programs and procedures, to prevent the alignment of conditions that could lead to a secondary containment pool fire event and the potential consequential effects at the Sumas Terminal.	NEB_IR_No._4_29c	During Operations	Scoping		
3,512	Operations	NEB	Trans Mountain will focus efforts during the execution of operations and maintenance programs and procedures, to prevent the alignment of conditions that could lead to a secondary containment pool fire event and the potential consequential effects at the Edmonton Terminal.	NEB_IR_No._4_29c	During Operations	Scoping		
3,513	Operations	Living Oceans Society	Trans Mountain will implement additional controls to prevent the discharge of hydrocarbons into storm water including, as applicable to the Edmonton Terminal: • Observation by operations personnel before and during storm water draining from secondary containment areas.	Living_Oceans_IR_No._1.28a	During Operations	Complete		
3,516	Operations	City of Burnaby	As is the current practice, testing at the Burnaby Terminal will be done during weekday daytime periods.	City_Burnaby_IR_No._1.25.03d	During Operations	Complete		
3,517	Operations	City of Burnaby	As is the current practice, testing at the Westridge Marine Terminal will be done during weekday daytime periods and the testing will have no impact on residential power or water systems.	City_Burnaby_IR_No._1.25.03d	During Operations	Scoping		
3,525	Operations	NEB	The Burnaby Terminal will continue to have operations staff on site at all times.	Application Volume 2, 2-22.	During Operations	In Progress		
3,526	Operations	NEB	The Edmonton Terminal will continue to have operations staff on site at all times.	Application Volume 2, 2-22.	During Operations	In Progress		
3,648	Operations	City of Surrey	Trans Mountain will maintain any new culverts installed in the City of Surrey.	Non-Regulatory Commitment	During Construction	Scoping		
3,650	Operations	Village of Valemount	Trans Mountain will appoint an Operations liaison to serve on Emergency Services committee.	Non-Regulatory Commitment	During Operations	Scoping		

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3,651	Operations	Katzie First Nation	Trans Mountain is committed to operating the new pipeline (Line 2) in a manner that prevents column separation.	TMEP / CoE Technical Working Committee Mtg #5 Meeting Minutes, 11/18/2015, StakeTracker	During Operations	Scoping		
3,677	Operations	Metro Vancouver	Trans Mountain will clarify process for MV to access water mains and other utilities if they are proximate to the pipeline.	Non-Regulatory Commitment	During Operations	Scoping		
3,836	Operations	Simon Fraser University	Trans Mountain is committed to meeting the requirements of its Environment, Health and Safety Policy that is accomplished through the Odour Complaint Investigation and Response Program and various emission reduction measures.	SFU IR No._2.5.12.3	During Operations	Complete		
3,837	Operations	Simon Fraser University	Trans Mountain is committed to meeting the requirements of its Environment, Health and Safety Policy that is accomplished through the Odour Complaint Investigation and Response Program and various emission reduction measures.	SFU IR No._2.5.12.3	During Operations	Complete		
3,838	Operations	Simon Fraser University	Trans Mountain is committed to meeting the requirements of its Environment, Health and Safety Policy that is accomplished through the Odour Complaint Investigation and Response Program and various emission reduction measures.	SFU IR No._2.5.12.3	During Operations	Complete		
3,846	Operations	NEB	Similar to the existing TMPL system, Trans Mountain will commit to staff 24 hours per day, seven days per week and the operations personnel will conduct daily surveillances for the expanded terminals, with the exception of Sumas Terminal.	Application Volume 4C s. 6.3 p4C-16	During Operations	Scoping		
3,847	Operations	NEB	Similar to the existing Trans Mountain system, Trans Mountain will commit to staff 24 hours per day, seven days per week and the operations personnel will conduct daily surveillances for the expanded terminals, with the exception of Sumas Terminal.	Application Volume 4C s. 6.3 p4C-16	During Operations	Scoping		
3,848	Operations	NEB	The planned in-line inspection (ILI) program for the reactivation of the existing inactive pipeline segments that will form parts of Line 1 is described in Volume 4A, Section 3.6. In addition, Trans Mountain will ensure a high-resolution USCD tool will be run in each of the reactivated pipeline segments within the first two years of operation.	Application Volume 4C s. 8.1.4 p4C-27	During Operations	Scoping		
4,022	Operations	NEB	Trans Mountain will complete the following activities: <ul style="list-style-type: none"> <li>•Complete a ultrasonic crack detection (USCD) or EMAT inspection within 2 years of reactivation.</li> <li>•Complete ongoing crack management programs with includes: <ul style="list-style-type: none"> <li>- pressure cycle monitoring programs</li> <li>- fatigue growth assessments to validate in-line inspection intervals</li> <li>- in-line inspections to look for stress corrosion cracking (SCC), Long Seam, pipe body, and co-commitment tracking (i.e. metal loss with cracking, dents with cracking).</li> </ul> </li> </ul>	NEB_IR_No._4.43c	During Operations	Scoping		
176	Permitting	Metro Vancouver	Trans Mountain will work directly with affected municipal, regional and provincial authorities to ensure information and agreements required for specific development authorizations and any specifically identified planning, monitoring or mitigation requirements are in place. (Spread 1)	Metro_Vancouver_F-IR_No._1.1.5.09a.i	Prior to Construction	Superseded by Legal/Regulatory Requirement		
206	Permitting	City of Burnaby	Trans Mountain land agents will work with private property owners and Trans Mountain Reclamation, in conjunction with Trans Mountain Permitting, on reclamation plans for affected areas. Where deep trenchless methods are used the green belts will not be disturbed.	City_Burnaby_IR_No._1.33.09d; NEB_Route_Hearing_TMEP_Evidence_Seg_7_Burnaby	Prior to Construction	Superseded by NEB Condition	71, 72	

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17	Pipeline Construction	City of Abbotsford	Trans Mountain will continue to work with the City of Abbotsford to understand the applicability of its bylaws and standards to the construction of the Project.	City_of_Abbotsford_IR_No._1.04a	Project Lifecycle	Superseded by NEB Condition	14, 49	
25	Pipeline Construction	City of Abbotsford	Trans Mountain will commit to winter construction at Ledgewiew Golf Course.	City_of_Abbotsford_IR_No._1.25c	Prior to Construction	In Progress		
29	Pipeline Construction	City of Abbotsford	Trans Mountain will monitor the blasting during and post construction to ensure that imposed limits are not exceeded.	City_of_Abbotsford_IR_No._1.20b	During Construction	Scoping		
36	Pipeline Construction	Fraser Valley Regional District	Trans Mountain commits to developing a dust management plan in co-operation with Fraser Valley Regional District for the section of the pipeline going through the District.	FVRD_IR_No._1.04a	Prior to Construction	In Progress		
39	Pipeline Construction	Terence Inskip	If the original grade within the construction footprint cannot be restored, the final restoration of the slopes will ensure that a stable slope angle and profile are achieved and that the slopes within the construction footprint are blended/naturalized to the extent practical.	Inskip_T_IR_No._1b	During Construction	In Progress		
42	Pipeline Construction	Regional District of Fraser-Fort George	The determination (if a camp will be built in Valemount) should be made by Q1 of 2015. Trans Mountain commits that pipeline workers will usually be scheduled for six work shifts (Monday through Saturday) and one day off (Sunday) per week. If workers are housed in Valemount, they will be permitted to return home for their day off at their discretion.	RD_of_Fraser-Fort_George_IR_No._1.03b	Prior to Construction	Complete		
43	Pipeline Construction	Regional District of Fraser-Fort George	Trans Mountain can confirm that all roads directly impacted by Project construction will be restored to their original state once construction has been completed.	RD_of_Fraser-Fort_George_IR_No._1.12h	During Operations	Scoping		
44	Pipeline Construction	Regional District of Fraser-Fort George	Trans Mountain will meet the aesthetic standards for construction set by the Village of Valemount and the Regional District where doing so will not compromise the Project's operational requirements or conflict with other laws or regulations governing the Project.	RD_of_Fraser-Fort_George_IR_No._1.12k	During Construction	In Progress		
55	Pipeline Construction	NEB	Trans Mountain will have certified inspectors to monitor welding and non-destructive testing (NDT) activities to ensure compliance to project specifications and procedures. Periodic audits will be performed by third-party welding and NDT specialists employed by Trans Mountain.	Application Volume 4B-20.	During Construction	In Progress		Requirement added to inspection and audit manual and inspection scope of work.
59	Pipeline Construction	NEB	Trans Mountain will retain contractors that employ only Canadian General Standards Board certified radiographers and ultrasonic technicians to operate the non-destructive testing (NDT) inspection equipment, and provide the final interpretation of radiographic film and the results of the ultrasonic inspection.	Application Volume 4B-20.	During Construction	In Progress		
60	Pipeline Construction	NEB	Trans Mountain will use well maintained equipment to reduce air pollution and unnecessary noise and restrict the duration that vehicles and equipment are allowed to sit and idle to less than one hour unless air temperatures are less than 0°C.	Technical Update No. 1 and Consultation Update No. 2 - Part 2 Table 1.6.3-1 page 100	During Construction	Scoping		
62	Pipeline Construction	NEB	Trans Mountain will work with the Merritt airport owner to coordinate construction activity around periods of airport use.	Application Volume 5B, 7-134.	Prior to Construction	In Progress		
72	Pipeline Construction	NEB	Trans Mountain will burn slash when conditions exist that allow for adequate dispersion of smoke and will observe the appropriate setback distances and other best management practices.	Application Volume 5A, 7-88.	During Construction	In Progress		
88	Pipeline Construction	Mike Wiegele Helicopter Skiing	Trans Mountain will avoid construction during Resort's winter operating season.	Non-Regulatory Commitment	During Construction	In Progress		
94	Pipeline Construction	Upper Nicola Band	Trans Mountain commits to having drilling fluid pressures and drilling rates monitored at all times during construction for an early indication of circulation loss.	Upper_Nicola_Band_IR_No._2(c).02.s	During Construction	Complete		

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102	Pipeline Construction	NEB	Trans Mountain will employ an "early in/early out" approach by initiating construction activities as early as possible in the winter and working expeditiously to limit late winter activities. Additionally, Trans Mountain will discuss the timing of their activity with Alberta Energy Regulator (AER) and maintain contact with AER during the construction period to advise them of the construction progress and anticipated completion date within Key Wildlife Biodiversity Zones. Construction, routine maintenance and operation activities will be scheduled outside the spring period for caribou.	Application Volume 5A; Technical Update No. 1 and Consultation Update No. 2 - Part 2 Table 1.6.2-1	During Construction	Scoping		
122	Pipeline Construction	NEB	Trans Mountain will employ an "early in/early out" approach by initiating construction activities as early as possible in the winter and working expeditiously to limit late winter activities. Additionally, Trans Mountain will discuss the timing of their activity with Alberta Energy Regulator (AER) and maintain contact with AER during the construction period to advise them of the construction progress and anticipated completion date within Key Wildlife Biodiversity Zones. Construction, routine maintenance and operation activities will be scheduled outside the spring period for caribou.	Application Volume 5A; Technical Update No. 1 and Consultation Update No. 2 - Part 2 Table 1.6.2-1	During Construction	Scoping		
141	Pipeline Construction	City of Burnaby	Trans Mountain is committed to working with the City of Burnaby to facilitate the restoration of lands to a similar condition that existed prior to construction. Trans Mountain is committed to reasonably facilitating the restoration of lands in order to provide any amenities, landscaping and character loss through construction activities where doing so will not compromise operational requirements or conflict with other laws or regulations governing the Project and ongoing operations. Trans Mountain is willing to meet with the City of Burnaby to discuss planned and proposed municipal projects or upgrades to infrastructure to consider in the design of the expansion Project.	City_Burnaby_IR_No._1.33.06c	During Operations	In Progress		
146	Pipeline Construction	City of Burnaby	Trans Mountain commits to share information on City of Burnaby utilities located during existing utility survey.	City_Burnaby_IR_No._1.33.35h	Prior to Construction	In Progress		
164	Pipeline Construction	Natural Resources Canada	A pre-construction timber cruise will be completed to determine the economically operable and merchantable timber volume for the construction right-of-way, and during the timber cruise, areas along the construction right-of-way with forest health concerns or activity will be identified and mapped, for Spread 1.	GoC_NRCan_IR_No._1.09.1	Prior to Construction	Complete		
226	Pipeline Construction	NEB	Trans Mountain will locate and flag all existing buried utility lines and cables to be crossed by the pipeline prior to the commencement of ground disturbance activities by using "one call" services in addition to direct contact with utility owners.	Application Volume 5B, 3-8.	Prior to Construction	Superseded by NEB Condition	64	
276	Pipeline Construction	BC Parks; NEB	A timber cruise will be conducted prior to construction.	BC Parks boundary adjustment application (August 2014)	Prior to Construction	Complete		
455	Pipeline Construction	NEB	Trans Mountain will burn slash when conditions exist that allow for adequate dispersion of smoke and will observe the appropriate setback distances and other best management practices. In the Lower Fraser Valley where air quality is an issue, Trans Mountain will avoid burning slash. Instead, mulching will be performed in place or slash will be shipped/hailed to an approved disposal location.	Application Volume 5A, 7-88.	During Construction	In Progress		
460	Pipeline Construction	City of Burnaby; Township of Langley	Where minor roads are crossed that may affect established community use/access routes, Trans Mountain will complete open-cut crossings within one day, to the extent practical.	City_Burnaby_IR_No._1.35.05b; Langley_IR_No._1.14a	During Construction	Scoping		

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505	Pipeline Construction	BC Parks	Open cut crossings are typically only utilized when a watercourse is dry or frozen to the bottom at the time of construction. Under these conditions, sediment release is not expected to occur, however, in the event the recommended isolated crossing technique is not feasible at Finn Creek, an open cut or partial isolation technique may be required. Trans Mountain will conduct monitoring under flowing conditions to document downstream turbidity and any exceedances of the relevant guidelines will be reported to the appropriate regulatory authorities.	BC Parks boundary adjustment application (August 2014) Tab A - Finn Creek Provincial Park	During Construction	In Progress		
513	Pipeline Construction	NEB	Trans Mountain will burn slash when conditions exist that allow for adequate dispersion of smoke and will observe the appropriate setback distances and other best management practices.	Application Volume 5A, 7-88.	During Construction	In Progress		
514	Pipeline Construction	NEB	Trans Mountain will enable livestock access to, and use of, improved pasture and hay land areas outside of the Footprint that may be isolated by construction activities.	Application Volume 5B Table 7.2.4-2 p7-72	During Construction	No Longer Applicable		Addressed in Commitment 2638
515	Pipeline Construction	NEB	Trans Mountain will ensure all roads cut open will be fully reinstated to the satisfaction of the road owner.	Application Volume 5B Table 7.2.5-2 p7-122	During Construction	No Longer Applicable		Commitment addressed by Commitment 2643
516	Pipeline Construction	NEB	In the Lower Fraser Valley where air quality is an issue, Trans Mountain will avoid burning slash. Instead, mulching will be performed in place or slash will be shipped/hailed to an approved disposal location.	Application Volume 5A, 7-88.	During Construction	In Progress		
579	Pipeline Construction	City of Abbotsford	If site conditions develop that require the release of sediment-laden waters to City storm sewers, drains or storm sewers, Trans Mountain will contact and consult with the City of Abbotsford's General Manager of Planning and Development Services or designate.	City_of_Abbotsford_IR_No._2.2.08c	During Construction	Scoping		
605	Pipeline Construction	Upper Nicola Band	Trans Mountain will share the final approved Work Plan Procedure and Schedule (WPPSs) and a detailed Drilling Fluids Management Plans (DFMPs) with Upper Nicola, and these plans will be made available no later than one month before prior to construction of the crossing.	Upper_Nicola_Band_IR_No._2(c).02(z)	During Construction	Scoping		
621	Pipeline Construction	City of Burnaby	Trans Mountain will provide plans which indicate all utilities for the selected pipe route once the protocol agreements with the municipalities are set and the utility owners have been able to provide more detailed utility information.	City_Burnaby_IR_No._2.090a	Project Lifecycle	Scoping		
634	Pipeline Construction	City of Burnaby	Trans Mountain will communicate with TICorp during the detailed design phase to minimize the disturbance to existing compensation areas within the TMEP Proposed Project footprint. Any disturbance to existing riparian vegetation or compensation areas will be re-established by Trans Mountain during the construction and reclamation phases of the Project.	City_Burnaby_IR_No._2.135	Prior to Construction	In Progress		
643	Pipeline Construction	City of Coquitlam	Trans Mountain will commit to restoring and repaving as necessary the two northern (westbound) lanes of United Blvd post construction, in the areas affected by Trans Mountain's construction works.	City_of_Coquitlam_IR_No._2.D.3	Prior to Construction	Scoping		
714	Pipeline Construction	Township of Langley	Trans Mountain inspectors will be monitoring construction activities to ensure that grading does not create issues, including drainage.	Langley_IR_No._2.11.a	During Construction	Superseded by NEB Condition	72	
801	Pipeline Construction	Upper Nicola Band	Further sampling for Acid Rock Drainage / Metal Leaching (ARD/ML) characterization and delineation will be completed prior to construction This additional work will focus on geologic units with "High" and "Moderate" ARD/ML potential that were not previously sampled and areas where 2013 investigation results indicated the presence of PAG.	Upper_Nicola_Band_IR_No._2.14	During Construction	Superseded by NEB Condition	51	
897	Pipeline Construction	City of Burnaby	Trans Mountain commits to working with the City of Burnaby to avoid any intrusive work from the surface during construction and operation of the Burnaby Mountain Tunnel section of the pipeline.	NEB_Route_Hearing_Transcript_Seg_7_Vol_3_para_1784	During Construction	Superseded by NEB Condition	14, 49	

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900	Pipeline Construction	City of Burnaby	Trans Mountain commits to seeking to avoid having to access the Burnaby Tunnel from the surface, though in the unlikely event that it was required, Trans Mountain would minimize the impact and any impacts that were caused would be fully restored.	NEB_Route_Hearing_Transcript_Seg_7_Vol_3_para_1784	During Construction	Scoping		
999	Pipeline Construction	Terence Inskip	The portion of the existing right-of-way in the Lac du Bois Protected Area that falls within the construction footprint of the proposed Project will be recontoured to ensure that a stable profile is achieved and that the disturbed area within the construction footprint is blended/naturalized to the extent practical. Trans Mountain will be consulting with BC Parks regarding additional recontouring as a potential benefits/ offset for the Lac du Bois protected area.	Inskip_T_IR_No._1c	During Construction	Scoping		
1,009	Pipeline Construction	Township of Langley	Where possible, excavated material will be stored on the proposed construction footprint (right-of-way and temporary workspaces) during the construction phase before backfilling. Where there is no opportunity to store excavated material due to space constraints, additional space will be secured from the respective abutting and non-abutting landowners or from the Municipality to allow for the temporary storage of excavated material. Additional storage space will be located as close to the respective worksites as practical.	Langley_IR_No._1.19a	During Construction	Scoping		
1,015	Pipeline Construction	NEB	With respect to water use for camps and construction offices, Trans Mountain will enter into water use agreements with the applicable jurisdictions as the Project develops. (Spread 5B)	Application Volume 5B, 7-139.	Prior to Construction	In Progress		Related to water use for the camps and construction offices.
1,021	Pipeline Construction	Regional District of Fraser-Fort George	At locations considered sensitive to vibrations, Trans Mountain will employ specific pipeline construction techniques to minimize such vibrations. This may include modified excavation and backfilling procedures, as well as monitoring of vibrations at the boundary of the construction right-of-way to reasonably ensure that materials already in place are not disrupted.	RD_of_Fraser-Fort_George_IR_No._1.06b	During Construction	Scoping		
1,092	Pipeline Construction	Environment Canada	Trans Mountains plans to have a qualified engineer and or hydrogeologist onsite during construction to sample and analyze the water being extracted during the tunneling process.	GoC_EC_IR_No._2.120	During Construction	Scoping		Requirement to be added to engineering specification and construction contract.
1,215	Pipeline Construction	NEB	Trans Mountain commits to following the air quality testing and mitigation procedures as described in the McNally Health & Safety Plan, during tunnel boring.	NEB_Cond_IR_No._61.3 a)	During Construction	In Progress		
1,446	Pipeline Construction	City of Burnaby; NEB	Trans Mountain takes responsibility for returning any lands disrupted during construction to the same, or better condition than existed before construction (within the confines of safe right-of-way management.) Trans Mountain will work with each landowner on this and could involve such things as replanting appropriate vegetation, landscaping and monitoring for weed invasion. However, Trans Mountain does not take responsibility for private landscaping needs unrelated to construction.	Application Volume 3A, 3A-151; NEB_Route_Hearing_TMEP_Evidence_Seg_7_Burnaby	During Operations	In Progress		
1,533	Pipeline Construction	Natural Resources Canada	A pre-construction timber cruise will be completed to determine the economically operable and merchantable timber volume for the construction right-of-way, and during the timber cruise, areas along the construction right-of-way with forest health concerns or activity will be identified and mapped, for Spread 7.	GoC_NRCan_IR_No._1.09.1	Prior to Construction	Complete		

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1,576	Pipeline Construction	Cedar Springs Strata Corporation	Trans Mountain will restore the proposed pipeline right-of-way to pre-construction grades and profiles to the extent practical to maintain natural drainage patterns. Trans Mountain will revegetate disturbed areas with a native seed mix and Trans Mountain will employ any temporary erosion control devices (e.g., sediment fencing, berms, mulch, matting, etc.) to minimize any soil erosion. Trans Mountain will seed portions of the construction right-of-way that form part of the permanent easement of the pipeline with a native seed mix and maintained in an early seral vegetative state until the pipeline is abandoned.	Cedar_Springs_Strata_Corporation_Preliminary_(P)_IR_No._1.03c	During Construction	Complete		
1,671	Pipeline Construction	NEB	With respect to water use for camps and construction offices, Trans Mountain will enter into water use agreements with the applicable jurisdictions as the Project develops. (Spread 5A)	Application Volume 5B, 7-139.	Prior to Construction	In Progress		Related to water use for the camps and construction offices.
1,672	Pipeline Construction	NEB	With respect to water use for camps and construction offices, Trans Mountain will enter into water use agreements with the applicable jurisdictions as the Project develops. (Spread 3)	Application Volume 5B, 7-139.	Prior to Construction	In Progress		Related to water use for the camps and construction offices.
1,673	Pipeline Construction	NEB	With respect to water use for camps and construction offices, Trans Mountain will enter into water use agreements with the applicable jurisdictions as the Project develops. (Spread 4)	Application Volume 5B, 7-139.	Project Lifecycle	In Progress		Related to water use for the camps and construction offices.
1,698	Pipeline Construction	NEB; Waterwealth Project	Trans Mountain commits to using bio-degradable hydraulic fluid on the heavy equipment used during pipeline installation in the Vedder Fan Aquifer area (KP 1091.6 to KP 1105.6).	Route_Variance_Chilliwack_BC_Hydro_Application_pg10 Route_Variance_Chilliwack_BC_Hydro_NEB_IR_1.4 Route_Variance_Chilliwack_B_Waterwealth_IR_1.2	During Construction	Scoping		
1,726	Pipeline Construction	NEB	Trans Mountain commits to minimizing equipment and personnel and using smaller excavation equipment, in reduced workspace areas within the Chilliwack BC Hydro Route Realignment.	Route_Variance_Chilliwack_BC_Hydro_NEB_IR_3.1b	During Construction	Scoping		
1,748	Pipeline Construction	Fraser Heights Community Association	Trans Mountain commits to: 1. evaluating and replacing ornamental trees or shelterbelts in select areas; 2. re-planting with larger nursery stock and slow-growing conifers.	NEB_Detailed_Route_Written_Evidence_Seg_7; NEB_Route-Hearing_Decision_Seg_7_FraserHeightsCommunityAssociation_Sec_3	During Construction	Addressed by Construction Line List		

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1,750	Pipeline Construction	Landowner - Min Guo	Trans Mountain commits to 1. notifying Ms. Guo where work is required 24 hours a day and seven days a week; 2. limiting the noise to the minimal activities required to maintain schedule; 3. fencing off all temporary workspace during construction; 4. continuing consultation with Ms. Guo; 5. relocating Ms. Guo if necessary. (Noise Management Plan included at Appendix C of Written Evidence states: Temporary relocation of specific residents if mitigation not successful per Noise Management Plan); 6. following applicable noise bylaws; 7. using sound walls/barriers.	NEB_Detailed_Route_Hearing_Decision_Seg_7_MinGuo_Sec_2.4	During Construction	Addressed by Construction Line List		
1,759	Pipeline Construction	Landowner - Underhill Lands Ltd	Trans Mountain commits to: 1. utilizing a phased construction staging approach to minimize temporary impacts to building access; 2. preparing an excavation plan utilizing shored-trench construction including a vibration monitoring plan, designed by a geotechnical engineer, for work close to the Underhill Building; 3. working weekends and nights where feasible, and subject to City of Burnaby noise bylaws.	NEB_Route_Hearing_Decision_Seg_7_UnderhillLandsLtd_Sec_3	During Construction	Addressed by Construction Line List		
2,013	Pipeline Construction	BC Parks	Open cut crossings are typically only utilized when a watercourse is dry or frozen to the bottom at the time of construction. Under these conditions, sediment release is not expected to occur, however, in the event the recommended isolated crossing technique is not feasible at Finn Creek, an open cut or partial isolation technique may be required. Trans Mountain will conduct monitoring under flowing conditions to document downstream turbidity and any exceedances of the relevant guidelines will be reported to the appropriate regulatory authorities.	BC Parks boundary adjustment application (August 2014) Tab A - Finn Creek Provincial Park	During Construction	In Progress		
2,056	Pipeline Construction	BC Parks	To avoid or reduce effects of a drilling mud release on surface water quality, Trans Mountain will continually monitor for sediment release (i.e., turbidity and total suspended solids (TSS)) throughout the crossing construction period. In the event of a release into the watercourse, Trans Mountain will immediately suspend drilling activities and implement measures outlined in the Drilling Mud Release Contingency Plan to reduce effects of drilling mud release into the watercourse. Trans Mountain will report any releases to Department of Fisheries and Oceans (DFO) and BC Ministry of Environment (MOE). Trans Mountain will carry out clean up and monitoring until water quality is returned to existing (background) conditions.	BC Parks boundary adjustment application (August 2014) Tab B - North Thompson River Provincial Park	During Construction	Superseded by NEB Condition	72	
2,369	Pipeline Construction	City of Coquitlam	To mitigate the issue of overlap in construction schedules between the end of Port Mann Main No. 2 work and the start of construction of the proposed Fraser River horizontal directional drilling (HDD) for the Project, Trans Mountain will change the sequence of large HDD crossings to delay the Fraser River crossing such that the work on the north shore of the Fraser River in preparation for the HDD would not begin until 2017. If the Metro Vancouver project is delayed, then the two construction contractors will manage the interface issues during the construction period.	Reply Evidence 13.7 Port Mann Main No. 2/Colony Farm Regional Park, Coquitlam - p3 - line 7	Prior to Construction	Scoping		



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2,379	Pipeline Construction	NEB	Trans Mountain will obtain real time flow measurements immediately prior to commencing any mid-sized and large open-cut crossing using the isolation methodology. If flow volumes are within the threshold limits for the respective isolation methodology and the weather forecast (typically a 2 to 5 day forecast) is favourable, the crossing will then be initiated. If flow volumes exceed the threshold limits for isolation or the weather forecast is unfavourable, a decision will then be made to either wait for flows to subside and/or a favourable weather window (if an available biological window remains) or implement the contingency methodology <u>process as required</u> .	Reply Evidence 14.1 Selection of Primary Watercourses Crossing Method - p2 - line 25	During Construction	In Progress		
2,380	Pipeline Construction	NEB	Trans Mountain will conduct streamflow measurements immediately before the planned construction period. At crossings where the measured discharge is sensibly larger than its predicted value, Trans Mountain will ensure the pipeline engineers will either delay construction or implement the contingency crossing method.	Reply Evidence 14.3 Hydrotechnical Hazard Assessment - p4 - line 41	During Construction	No Longer Applicable		Addressed in Commitment 2379
2,536	Pipeline Construction	City of Burnaby; Township of Langley	Where minor roads are crossed that may affect established community use/access routes, Trans Mountain will complete open-cut crossings within one day, to the extent practical.	City_Burnaby_IR_No._1.35.05b; Langley_IR_No._1.14a	During Construction	Scoping		
2,563	Pipeline Construction	NEB	Trans Mountain will commit to clear snow, trees, stumps, brush and other vegetation from the construction right-of-way, temporary work sites and permanent facilities that are not located on existing, previously cleared easements. Timber and brush disposal options will be subject to agreements with landowners and appropriate government authorities.	Application Volume 3A Public Consultation Table 1.7.2 p3A-151	During Construction	Superseded by NEB Condition	72	
2,593	Pipeline Construction	NEB	In addition to the hydrostatic testing of the new Line 2 pipeline segments, Trans Mountain will ensure a post-construction in-line inspection (ILI) survey with a caliper tool is performed to identify any construction damage to the pipe that requires repair. The caliper tool will also provide baseline geometry data.	Application Volume 4C s. 8.1.4 p4C-27	Prior to Operations	Scoping		
2,604	Pipeline Construction	NEB	Trans Mountain will conduct monitoring at all flowing open cut crossings to document downstream turbidity and any exceedances of the relevant guidelines will be reported to the appropriate regulatory authorities.	Application Volume 5A s. 7.2.3.6 p7-68	During Construction	In Progress		
2,636	Pipeline Construction	NEB	Trans Mountain will reduce the amount of land disturbed by using previously disturbed areas for stockpiles, staging areas and camps where possible.	Application Volume 5B Table 7.2.2-4 p7-27; Application Volume 5B Table 7.2.2-4 p7-28, Application Volume 5B s. 7.2.3.6 p7-53	During Construction	Superseded by NEB Condition	72	
2,638	Pipeline Construction	NEB	Trans Mountain will enable livestock access to, and use of, improved pasture and hay land areas outside of the Footprint that may be isolated by construction activities.	Application Volume 5B Table 7.2.4-2 p7-72	During Construction	In Progress		
2,643	Pipeline Construction	NEB	Trans Mountain will ensure all roads cut open will be fully reinstated to the satisfaction of the road owner.	Application Volume 5B Table 7.2.5-2 p7-122	During Construction	Scoping		
2,644	Pipeline Construction	NEB	Trans Mountain will ensure that roads that deteriorate during Project construction as a result of Project traffic will be maintained by the contractor subject to approval of the road owner, on the basis of a pre and post-construction condition assessment.	Application Volume 5B Table 7.2.5-2 p7-122	During Construction	Scoping		
2,650	Pipeline Construction	NEB	Trans Mountain will treat sewage and grey water in a temporary treatment facility, including any related to construction camps, onsite at each facility and hauled to regional facilities for disposal.	Application Volume 5B Table 7.2.5-2 p7-124	During Construction	Scoping		

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2,651	Pipeline Construction	NEB	Trans Mountain will use mitigation at site TMEP-004, located at RK 14 to neutralize any acid that were to be generated from the coal seams. Suggested mitigation includes removal of the coal fragments, or blending of the excavated material with limestone where coal fragments exist. Shake flask extraction data is not available for this site.	Application Volume 5C s. 5.1 p21	During Construction	Scoping		
2,652	Pipeline Construction	NEB	During grading and excavation at site TMEP-019, located at RK 669.5 and approximately 0.05 km south of the proposed pipeline corridor, Trans Mountain will follow recommendations to avoid using the potentially acid generating (PAG) rock in fill areas and use a cover of compacted till or clayey material in cut areas where PAG material is exposed. It will be also be important to optimize the amount of excavated PAG material used as backfill in trenches. This material should be sealed with a cap of compacted till or clay. Any excess material that cannot be backfilled should be stored high and dry at the site under a cover of compacted till or clayey material.	Application Volume 5C s. 5.2 p21	During Construction	Superseded by NEB Condition	72	
2,653	Pipeline Construction	NEB	During grading and excavation at site TMEP-026, located at RK 789, approximately 0.3 km west of the proposed pipeline corridor, Trans Mountain will use a cover of compacted till or clayey material in cut and fill areas. Trans Mountain will ensure trenches should be sealed with cap of compacted till or clayey material. On-site storage of potentially acid generating (PAG) rock should be stored under a cover of compacted till or clayey material.	Application Volume 5C s. 5.3 p22	During Construction	Superseded by NEB Condition	72	
2,819	Pipeline Construction	City of Burnaby	Working with the City of Burnaby, Trans Mountain would be willing to collaboratively develop an approach to construction that minimized potential impacts on the Barnet Escarpment Urban Trail prior to construction. Possible mitigation measures could include pre-building sections of the trail in advance of closing existing sections required for construction. This approach would minimize or eliminate impacts to trail users.	City of Burnaby_No._2.100	Prior to Construction	In Progress		
2,913	Pipeline Construction	Dorothy Doherty	In urban areas, Trans Mountain will cover the new pipeline using all trench excavation spoil materials except for rock material and other materials that would damage the physical structure of the pipe or the pipe coating.	Doherty_D_IR_No._1.10.3d	During Construction	Scoping		
3,101	Pipeline Construction	Regional District of Fraser-Fort George	Trans Mountain commits to treat the former landfill site at RK 522 as a sensitive area during construction operations and implement vibration monitoring in consultation with the Regional District of Fraser-Fort George.	RD_of_Fraser-Fort_George_F-IR_No._1.06b	During Construction	No Longer Applicable		Pipeline relocated to avoid impacts to the Landfill site.
3,552	Pipeline Construction	NEB	Trans Mountain will burn slash when conditions exist that allow for adequate dispersion of smoke and will observe the appropriate setback distances and other best management practices. In the Lower Fraser Valley where air quality is an issue, Trans Mountain will avoid burning slash. Instead, mulching will be performed in place or slash will be shipped/hailed to an approved disposal location.	Application Volume 5A, 7-88.	During Construction	In Progress		
3,602	Pipeline Construction	NEB	Trans Mountain commits to filing a summary of the following information with the Board, as and when it becomes available in August 2017 or thereafter, and prior to commencing any camp site activity in Spread 5B: confirmation that the lease agreement for the Cheam camp has been completed; and an update to the camp site location in Hope, BC.	NEB_Cond_IR_No._49.1	Prior to Construction	In Progress		
3,603	Pipeline Construction	Province of British Columbia	In the unlikely event that pipeline construction has resulted in diminished water quality or quantity and its directly related to the construction or operation of the pipeline, Trans Mountain will re-establish or replace a potable water supply.	Province_BC_IR_No._1.1.38c	During Construction	In Progress		

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3,620	Pipeline Construction	City of Burnaby	Trans Mountain will abide by PPA requirements and fees for its expansion in the City of Burnaby.	Non-Regulatory Commitment	Prior to Construction	No Longer Applicable		
3,654	Pipeline Construction	City of Edmonton	Trans Mountain will provide inspection and carry the inspection cost for a Trans Mountain inspector to monitor pipeline safety during construction of the Whitemud Drive expansion.	Non-Regulatory Commitment	During Construction	Scoping		
3,661	Pipeline Construction	District of Clearwater	Trans Mountain will replace fragile asbestos cement pipes (existing District's water and sanitary lines) prior to mainline construction.	Non-Regulatory Commitment	During Construction	Superseded by NEB Condition	14, 49	
3,670	Pipeline Construction	City of Chilliwack	Trans Mountain commits to using biodegradable hydraulic fluid for the pipeline section from the western limit of Watson Road to the western property line of 45560 South Sumas Road.	Non-Regulatory Commitment	During Construction	Scoping		
3,693	Pipeline Construction	City of Coquitlam	Trans Mountain will conduct post construction video inspections of all disrupted storm and sanitary service connections in the City of Coquitlam.	Non-Regulatory Commitment	During Operations	Scoping		
3,700	Pipeline Construction	City of Chilliwack	Trans Mountain will use biodegradable hydraulic fluid for the pipeline section from the western limit of Watson Road to the western property line of 45560 South Sumas Road.	Non-Regulatory Commitment	During Construction	In Progress		
3,703	Pipeline Construction	Workshop Participants	Trans Mountain will avoid construction in agricultural areas of the Fraser Valley during irrigation timeframe of August-September.	Non-Regulatory Commitment	During Construction	Scoping		
3,705	Pipeline Construction	City of Coquitlam	Trans Mountain will address methane in its plans.	Non-Regulatory Commitment	Prior to Construction	In Progress		
3,711	Pipeline Construction	Metro Vancouver	Trans Mountain will consult with Metro Vancouver regarding infrastructure and utilities prior to construction.	Non-Regulatory Commitment	Prior to Construction	In Progress		
3,712	Pipeline Construction	District of Clearwater	Trans Mountain will replace old utilities pipes for the width of the ROW when crossing pipes during construction.	Non-Regulatory Commitment	During Construction	Superseded by NEB Condition	14, 49	
3,717	Pipeline Construction	Metro Vancouver	Trans Mountain commits to consult with Metro Vancouver in the development of the Projects construction schedule within the Coquitlam Landfill site.	Non-Regulatory Commitment	Prior to Construction	In Progress		
3,819	Pipeline Construction	City of Coquitlam	Trans Mountain will repave the full width of roads requiring longitudinal open cut construction (excluding United Boulevard).	Non-Regulatory Commitment	During Construction	Scoping		
3,962	Pipeline Construction	NEB	Trans Mountain commits to filing a summary of the following information with the Board, as and when it becomes available in August 2017 or thereafter, and prior to commencing any camp site activity in Spreads 3, 4, and 5A: the finalized camp site location in Clearwater, BC; and confirmation that the lease agreements for the Valemount, Clearwater and Merritt camps and the permit/License of Occupation for the Blue River camp, have been received.	NEB_Cond_IR_No._49.1	Prior to Construction	In Progress		
3,969	Pipeline Construction	NEB	Trans Mountain commits to placing warning signs up and downstream of all freshwater navigable waterway crossings during construction, that are 1.2 x 1.2 metres in size, at the minimum distance set out Table 9.2. of the response to NEB Condition IR No 9.6.	NEB_Cond_IR_No._9.5	During Construction	Superseded by NEB Condition	48	
3,970	Pipeline Construction	NEB	Trans Mountain commits to, at locations where the pipeline crosses a navigable waterway that potentially support commercial marine traffic, placing signs at the crossing site, post-construction, that indicate the presence of the pipeline crossing and include a "No Anchorage" and "No Dredging" warning.	NEB_Cond_IR_No._9.5	Prior to Operations	Superseded by NEB Condition	48	
3,979	Pipeline Construction	Natural Resources Canada	A pre-construction timber cruise will be completed to determine the economically operable and merchantable timber volume for the construction right-of-way, and during the timber cruise, areas along the construction right-of-way with forest health concerns or activity will be identified and mapped, for Spread 2.	GoC_NRCan_IR_No._1.09.1	Prior to Construction	Complete		

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3,980	Pipeline Construction	Natural Resources Canada	A pre-construction timber cruise will be completed to determine the economically operable and merchantable timber volume for the construction right-of-way, and during the timber cruise, areas along the construction right-of-way with forest health concerns or activity will be identified and mapped, for Spread 3.	GoC_NRCan_IR_No._1.09.1	Prior to Construction	Complete		
3,981	Pipeline Construction	Natural Resources Canada	A pre-construction timber cruise will be completed to determine the economically operable and merchantable timber volume for the construction right-of-way, and during the timber cruise, areas along the construction right-of-way with forest health concerns or activity will be identified and mapped, for Spread 4.	GoC_NRCan_IR_No._1.09.1	Prior to Construction	Complete		
3,982	Pipeline Construction	Natural Resources Canada	A pre-construction timber cruise will be completed to determine the economically operable and merchantable timber volume for the construction right-of-way, and during the timber cruise, areas along the construction right-of-way with forest health concerns or activity will be identified and mapped, for Spread 5A.	GoC_NRCan_IR_No._1.09.1	Prior to Construction	Complete		
3,983	Pipeline Construction	Natural Resources Canada	A pre-construction timber cruise will be completed to determine the economically operable and merchantable timber volume for the construction right-of-way, and during the timber cruise, areas along the construction right-of-way with forest health concerns or activity will be identified and mapped, for Spread 5B.	GoC_NRCan_IR_No._1.09.1	Prior to Construction	Complete		
3,984	Pipeline Construction	Natural Resources Canada	A pre-construction timber cruise will be completed to determine the economically operable and merchantable timber volume for the construction right-of-way, and during the timber cruise, areas along the construction right-of-way with forest health concerns or activity will be identified and mapped, for Spread 6.	GoC_NRCan_IR_No._1.09.1	Prior to Construction	Complete		
4,024	Pipeline Construction	NEB	Trans Mountain commits to placing warning signs up and downstream of all freshwater navigable waterway crossings during construction, that are 1.2 x 1.2 metres in size, at the minimum distance set out Table 9.2. of the response to NEB Condition IR No 9.6.	NEB_Cond_IR_No_9.5	During Construction	Superseded by NEB Condition	48	
12	Pipeline Engineering	Adams Lake Indian Band	Trans Mountain will develop details of the dredge footprint, methods and duration of dredging during detailed engineering, design, as well as during construction execution planning and a geotechnical investigation. Trans Mountain will perform sediment sampling for chemical analysis prior to dredging to determine disposal method.	ALIB_IR_No._1.3.01b	Prior to Construction	No Longer Applicable		Dredging is no longer required.
19	Pipeline Engineering	City of Abbotsford	Trans Mountain commits to a trenchless crossing of Sumas Mountain Road. If trenchless method is unsuccessful, Trans Mountain commits to consult and coordinate activities with the City of Abbotsford to install the crossing on a low traffic day such as a Sunday to keep disruption at this location to a minimum.	City_of_Abbotsford_IR_No._1.02b	During Construction	Complete		
23	Pipeline Engineering	City of Abbotsford	Trans Mountain will bore under paved and high-use roads, where practical. Where minor roads are crossed that may affect established community use/access routes, Trans Mountain will complete open cut crossing within one day, to the extent practical.	City_of_Abbotsford_IR_No._1.01c	Prior to Construction	Complete		
26	Pipeline Engineering	City of Abbotsford	Trans Mountain will communicate with the City of Abbotsford concerning reclamation of the Sumas Drainage Canal Dike, and any required mitigation to the earthen dike around the Sumas Pump Station.	City_of_Abbotsford_IR_No._1.17a	Prior to Construction	In Progress		
35	Pipeline Engineering	City of Abbotsford	Trans Mountain commits to working with the City of Abbotsford and the BC Diking Authority in developing a detailed construction plan, should the Sumas River be constructed via the isolate and trench method.	City_of_Abbotsford_IR_No._2(c).01	Prior to Construction	In Progress		

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64	Pipeline Engineering	NEB	Where a trenchless crossing is unsuccessful or not feasible and a trenched (i.e., isolated if water present/open cut if dry or frozen to the bottom) installation is necessary, Trans Mountain will engage a geotechnical engineer regarding additional mitigation measures to prevent and control terrain instability, as needed, during construction.	Application Volume 5A, 7-16.	During Construction	Superseded by NEB Condition	51	
68	Pipeline Engineering	NEB	As a general principle, Trans Mountain will avoid physical disturbances to highways or major roads with high community use. Any minor roads that impact community use or access will be crossed in one day using an open cut method to minimize community effects.	Application Volume 5B, 7-132.	During Construction	Superseded by NEB Condition	73, 104	
71	Pipeline Engineering	NEB	Trans Mountain will bore under paved and high use roads where any physical disturbance would be more than a nuisance.	Application Volume 5B, 8-62.	During Construction	Superseded by NEB Condition	73, 104	
76	Pipeline Engineering	NEB	Trans Mountain will implement a range of measures to reduce disturbance to community assets and events. Key mitigation measures include: avoiding important community features and assets during right-of-way finalization, narrowing the right-of-way in select areas, scheduling construction to avoid important community events where possible, communication of construction schedules and plans with community officials, and other ongoing consultation and engagement with local and Aboriginal governments.	Application Volume 5B, 7-55.	Prior to Construction	Superseded by NEB Condition	13, 14, 49, 59, 62, 73	
79	Pipeline Engineering	NEB	Hydrostatic testing (i.e., pressure testing using water) will be used to verify the pipeline integrity after welding is complete. At major watercourse crossings, pipe sections will be pretested before installation. Water will be drawn from suitable sources and returned to the appropriate watersheds in accordance with permit requirements. To minimize the total amount of water withdrawn for test purposes, where practicable, water will be moved along the pipeline segments for reuse in multiple tests. Upon successful test completion, the test sections will be dewatered using pigs (foam or rubber sealing plugs) propelled through the pipeline by compressed air.	Pre-Application Project Description, p 19.	During Construction	Superseded by NEB Condition	113	
96	Pipeline Engineering	NEB	A photographic report of the three campaigns will be provided as part of Technical Update #2, including relevant photographs with descriptions, showing representative terrain and potential Geohazard in each physiographic region along the proposed route, in support of the findings of the Terrain Mapping and Geohazard Inventory Report. Commitment to reissue the Terrain report and map legend incorporating the above corrections as part of Technical Update #2.	NEB_IR_No._2.096	Prior to Construction	Superseded by NEB Condition	16	
99	Pipeline Engineering	NEB	Trans Mountain will attempt to identify problematic conditions prior to the commencement of excavation at all trenched watercourse crossings.	NEB_IR_No._4.08a	Prior to Construction	Superseded by NEB Condition	51	
123	Pipeline Engineering	Township of Langley	Trans Mountain will engage with the Township of Langley to identify existing infrastructure and future infrastructure growth plans.	Langley_IR_No._1.12a	Prior to Construction	Superseded by NEB Condition	14, 49	
130	Pipeline Engineering	Adams Lake Indian Band	In the event that it may be necessary to disturb Potentially Acid Generating (PAG) material during the construction phase of the Project, an Acid Rock Drainage Management Plan (refer to Appendix C of Volume 6B) will be developed prior to construction to ensure that the receiving environment (including fish and fish habitat) is not adversely impacted.	ALIB_IR_No._1.3.16c	Prior to Construction	Superseded by NEB Condition	72, 51	

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131	Pipeline Engineering	Ashcroft Indian Band; Asini Wachi Nehiyawak Traditional Band; Burnaby Residents Opposing Kinder Morgan Expansion - BROKE; Chris Amy; City of Abbotsford; City of Burnaby; City of Coquitlam; City of Port Moody; City of Surrey; Dorothy Doherty; Edmonton & Area Land Trust; Environment Canada; Fraser Valley Regional District; Kwantlen First Nation; Living Oceans Society; NEB; Neskonlith Indian Band; New Democratic Party of Canada; Province of British Columbia;	Trans Mountain will submit to the NEB the completed risk assessment for Line 2 in Q3 2014.	NEB_IR_No._1.81a, Allan_R_IR_No._1.17o, Allan_R_IR_No._1.17p, Amy_C_IR_No._1.3y, Ashcroft_IB_No._1.3.4.f, Ashcroft_IB_No._1.3.4.f, BROKE_IR_No._1.5d, City of Abbotsford - Attachment - Table, City_of_Abbotsford_IR_No._1.14a, City_Burnaby_IR_No._1.07.14__i	Prior to Construction	Superseded by NEB Condition	15	Submitted in Technical Update No. 1 (B248-22, A3Z8G5, PDF Page 11 to 37).
132	Pipeline Engineering	BC Parks; NEB	Trans Mountain commits to assessing the feasibility of a trenchless construction technique in Bridal Veil Falls Provincial Park (BVFP) to avoid disturbance to the surface. (Cover Letter, September 4, 2014). Geotechnical studies will be carried out in 2015 to support an assessment of the feasibility of this construction method.	BC Parks boundary adjustment application (August 2014)	Prior to Construction	No Longer Applicable		Commitment no longer applicable - route does not go through Bridal Falls.
133	Pipeline Engineering	City of Abbotsford	Graphs will be provided of spill volumes and valves in relation to High Consequence Areas (HCAs) with the Technical Update No. 1 on August 1, 2014.	Trans Mountain response to City of Abbotsford IR motion - IR No. 1.12c	Prior to Construction	Superseded by NEB Condition	17	Submitted in Technical Update No. 1 (B248-23, A3Z8G6, PDF Page 2 to 13)
134	Pipeline Engineering	City of Abbotsford	Trans Mountain will provide a description of the relationship between depth of cover and the potential for 3rd Party Damage in the risk report that will be submitted in Q3 2014.	City_of_Abbotsford_IR_No._1.12b	Prior to Construction	Complete		Submitted in Technical Update No. 1 (B248-18, A3Z8G1, PDF Page 48)
135	Pipeline Engineering	City of Abbotsford	Trans Mountain will identify site-specific mitigation measures for parks and trails within the City of Abbotsford during detailed engineering phase and finalization of the pipeline construction right-of-way and included in the Pipeline Environmental Protection Plan.	City_of_Abbotsford_IR_No._1.04b	Prior to Construction	Superseded by NEB Condition	72	
136	Pipeline Engineering	City of Abbotsford	Trans Mountain is committed to City of Abbotsford input to the detailed engineering and design of Line 2 to minimize impacts and potential delay or disruption to future installation of city infrastructure, including installation of permanent pipeline crossing locations where needed.	City_of_Abbotsford_IR_No._1.03b.ii	Prior to Construction	Superseded by NEB Condition	14, 49	
138	Pipeline Engineering	City of Abbotsford	Trans Mountain will provide centre line shape files to the City of Abbotsford.	City_of_Abbotsford_IR_No.1.03b.iii	Prior to Construction	Superseded by NEB Condition	14, 49	

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139	Pipeline Engineering	City of Abbotsford; City of Vancouver	A risk assessment for Line 2 will be filed with the Technical Update No. 1 on August 1, 2014.	City of Abbotsford Attachment - Table 1.12 (a) and (b), City of Vancouver - Attachment - Table	Prior to Construction	Superseded by NEB Condition	15	Submitted in Technical Update No. 1 (B248-22, A3Z8G5, PDF Page 11 to 37)
143	Pipeline Engineering	City of Burnaby	The feasibility report for horizontal directional drilling (HDD) would be available in early Q4, 2014, and in time for the next round of NEB IR's on December 18, 2014. Trans Mountain would willingly meet with the City of Burnaby ahead of submitting the report to the NEB to share the results and alignment if the HDD or tunnel option is deemed technically feasible.	City_Burnaby_IR_No._1.33.29h	Prior to Construction	Complete		
144	Pipeline Engineering	City of Burnaby	The quality management plan will be developed during the detailed engineering and design phase as per Section 2.7, Volume 4A in Application.	City_Burnaby_IR_No._1.34.04b	Prior to Construction	Superseded by NEB Condition	9	
148	Pipeline Engineering	City of Burnaby	Trans Mountain will commit to consult with the City of Burnaby when the pipeline is adjacent or crossing over City utilities to mutually agree on separation distances so that the City can access its mains for operations purposes.	City_Burnaby_IR_No._1.33.15a	Prior to Construction	Superseded by NEB Condition	14, 49	
149	Pipeline Engineering	City of Burnaby	Trans Mountain will consider extra depth of cover on the Line 2 pipeline on a site-specific basis.	City_Burnaby_IR_No._1.33.16n	Prior to Construction	Superseded by NEB Condition	16	
150	Pipeline Engineering	City of Burnaby	Trans Mountain will consult with all existing infrastructure owners and endeavour to mitigate any future infrastructure conflicts or impediments.	City_Burnaby_IR_No._1.33.08e; NEB_Route_Hearing_TMEP_Evidence_Seg_7_Burnaby	Prior to Construction	Superseded by NEB Condition	14, 49	
152	Pipeline Engineering	City of Burnaby	Trans Mountain will determine final crossing procedures in consultation with City of Burnaby and BC Ministry of Transport and Infrastructure during the detailed engineering and design phase of the Project.	City_Burnaby_IR_No._1.43.03c	Prior to Construction	Superseded by NEB Condition	14, 49	
157	Pipeline Engineering	City of Coquitlam	The City of Coquitlam will be consulted to ascertain site specific design considerations at each culverted watercourse crossing.	City_of_Coquitlam_IR_No._1.C.1c	Prior to Construction	Superseded by NEB Condition	14, 49	
158	Pipeline Engineering	City of Coquitlam	Trans Mountain is continuing to investigate the crossing and will provide an update on routing in the Fraser River crossing area in Technical Update No. 1, to be submitted to the NEB in Q3 2014. The update will include additional information and a map of the proposed and alternative corridors being considered.	City_of_Coquitlam_IR_No._1.A.1	Prior to Construction	Complete		
159	Pipeline Engineering	City of Coquitlam	Trans Mountain is prepared to: <ul style="list-style-type: none"> <li>work with municipalities in the planning and engineering, and detailed design to accommodate future growth and minimize potential future impacts to existing infrastructure;</li> <li>pay for reasonable costs to inspect, relocate if needed, and protect their infrastructure during pipeline construction;</li> <li>work with the municipalities to fulfill federal requirements for pipeline protection including ground disturbance measures imbedded in the NEB crossing regulations; and</li> <li>construct the Project, and operate it and the existing pipeline in accordance with practices and procedures that are consistent with all other utility service and development infrastructure.</li> </ul>	City_of_Coquitlam_IR_No._1.F.4 City_of_Coquitlam_IR_No._1.F.5 City_of_Coquitlam_IR_No._1.F.6b	Project Lifecycle	Superseded by NEB Condition	14, 49	

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160	Pipeline Engineering	Fraser Valley Regional District	Trans Mountain will work with the Fraser Valley Regional District (FVRD) in applying for all permits to undertake such work. In addition, FVRD will be provided an opportunity to review and comment on the terms of reference for a site specific study of the Popkum-Bridal Falls area, however the scope and terms of engagement of the study will remain the purview of the Project.	FVRD_IR_No._1.35c	Prior to Construction	Complete		Trans Mountain submitted on October 21, 2015 to the Fraser Valley Regional District (FVRD) a letter along with a report that represents Geohazard Inventory and Terrain Stability Mapping within Ted Creek to Bridal Falls area along the TMEP alignment, as part of the commitment to work together with FVRD on better understanding the Bridal Falls geotechnical landscape.
161	Pipeline Engineering	Natural Resources Canada	Trans Mountain will implement weld toughness testing of submerged arc welds at minus 5 degrees Celsius (-5°C) temperature.	GoC_NRCan_IR_No._1.10.02b	Prior to Construction	Superseded by NEB Condition	111	
166	Pipeline Engineering	Natural Resources Canada	The Trans Mountain Coating Specifications will be updated during the Detailed Engineering and Design Phase of the Project and will incorporate the requirements of the latest edition of the relevant CSA coating standards at that time.	GoC_NRCan_IR_No._1.10.6c	Prior to Construction	Complete		
169	Pipeline Engineering	Katzie First Nation	Trans Mountain will not take or remove any land from Surrey Bend Regional Park. Trans Mountain will seek to acquire an easement for the installation and operation of a buried pipeline from the Park authority. Ownership of the land will remain with the Park authority.	Katzie_FN_IR_No._1.02a	Prior to Construction	Superseded by NEB Condition	7	
171	Pipeline Engineering	Metro Vancouver	Trans Mountain will reduce that width to a negotiated minimum, provided that safe operation and maintenance of the new proposed pipeline can be ensured, in locations of restricted right-of-way opportunity.	Metro_Vancouver_IR_No._1.1.2.01b	Prior to Construction	Superseded by NEB Condition	14, 49	
173	Pipeline Engineering	Metro Vancouver	Trans Mountain is willing to work with Metro Vancouver on crossings and proximal work on its infrastructure. Trans Mountain is also willing to accommodate reasonably foreseeable plans for municipal infrastructure in the design and placement of the pipeline.	Metro_Vancouver_IR_No._1.1.1.07b	Prior to Construction	Complete		
174	Pipeline Engineering	Metro Vancouver	Trans Mountain will develop details of the construction methodology, to be used for the pipeline installation through the Coquitlam Landfill, during the Engineering and Detailed Design Phase of the Project.	Metro_Vancouver_IR_No._1.1.2.02b	Prior to Construction	Complete		
180	Pipeline Engineering	Regional District of Fraser-Fort George	Trans Mountain commits to meeting with the Regional District of Fraser Fort George to discuss construction plans, worker accommodation strategy, and mitigation of potential impacts to the community of Valemount.	RD_of_Fraser-Fort_George_IR_No._1.12i.2	Prior to Construction	Complete		
181	Pipeline Engineering	Regional District of Fraser-Fort George	Trans Mountain commits to organize a meeting with Regional District of Fraser-Fort George by March 2015 on their concerns about construction near their former landfill site, near Hwy 5 N Valemount, BC.	RD_of_Fraser-Fort_George_F-IR_No._1.06b	Prior to Construction	No Longer Applicable		Pipeline relocated to avoid impacts to the Landfill site
182	Pipeline Engineering	Regional District of Fraser-Fort George	Trans Mountain will continue to consult with BC Ministry of Transportation and Infrastructure to ensure that the proposed pipeline does not interfere with the future expansion of Highway 5.	RD_of_Fraser-Fort_George_IR_No._1.12c	Prior to Construction	In Progress		
184	Pipeline Engineering	Township of Langley	All mainline block valves (MLBVs) in the Township of Langley will be automated.	Langley_IR_No._1.05c	During Construction	Complete		
185	Pipeline Engineering	Township of Langley	Trans Mountain commits to consult with the Township of Langley on its mitigation measures that will be incorporated into the detailed design and engineering to protect groundwater and aquifers.	Langley_IR_No._1.08a	Prior to Construction	Superseded by NEB Condition	94	
186	Pipeline Engineering	Township of Langley	Trans Mountain commits to provide municipalities as-built shape files on location of TMEP Line 2.	Langley_IR_No._1.10a	Prior to Construction	Superseded by NEB Condition	14, 49	
187	Pipeline Engineering	Township of Langley	Trans Mountain will commit to designing and constructing the pipeline, with risk based design employed to manage risks following the principle of As Low as Reasonably Possible (ALARP)	Langley_IR_No._1.08b	Prior to Construction	Superseded by NEB Condition	15, 17, 18	



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188	Pipeline Engineering	Upper Nicola Band	An Acid Rock Drainage (ARD) management plan will be developed as part of detailed engineering and design. Trans Mountain will conduct inspections and post-construction seepage sampling at areas where potentially acid generating material has been identified or exposed during construction.	Upper_Nicola_Band_IR_No._1.03l	Prior to Construction	Superseded by NEB Condition	72	
192	Pipeline Engineering	NEB	During the detailed engineering and design phase, Trans Mountain will develop a horizontal direction drill specification and provide it to the NEB by September 30, 2014.	NEB_IR_No._1.80d	Prior to Construction	Complete		
193	Pipeline Engineering	NEB	Trans Mountain will submit to the NEB revised outflow volumes for Line 2 in Q3 2014. Trans Mountain will submit revised outflow volumes for Burnaby – Westridge delivery lines, reflecting revised routing, as well as to provide results for individual and combined drain down volumes in Q3 2014.	NEB_IR_No._1.96a	Prior to Construction	Complete		Submitted in Technical Update No. 1 (B248-23, A3Z8G6, PDF Page 2 to 13)
197	Pipeline Engineering	NEB	A revised version of the Terrain report and map legend with the above corrections will be issued.	NEB_IR_No._2.097a	Prior to Construction	Complete		
198	Pipeline Engineering	NEB	A risk management plan will be developed as part of detailed engineering and design, and will be updated as additional site specific information is obtained through detailed investigations, and modified as Geohazard are encountered during construction.	NEB_IR_No._2.099	Prior to Construction	Superseded by NEB Condition	51	
200	Pipeline Engineering	NEB	Although no active faults (where rupture has occurred in the last 11,000 years) have been identified in British Columbia, studies will be conducted as part of the detailed engineering and design phase in an attempt to further confirm the presence or absence of active faults crossing or running close to the route.	Part 2 – Consultation Update No. 1, Volume 4A – Project Design and Execution – Engineering Section 2.9.3	Prior to Construction	Superseded by NEB Condition	69	
201	Pipeline Engineering	NEB	At major watercourse crossings, and other areas where lateral spreading as a result of liquefaction has the potential to occur, the pipeline will be designed to resist the potential ground movement (both transient and permanent) associated with the design level event.	Part 2 – Consultation Update No. 1, Volume 8A, Marine - Marine Transportation Section 4.3.14.1	Prior to Construction	Superseded by NEB Condition	68	
203	Pipeline Engineering	NEB	During the detailed engineering design phase, site specific designs will be undertaken for any Stage 1 watercourses that require scour mitigation designs and any identified as having additional constructability challenges.	NEB_IR_No._2.101c	Prior to Construction	Superseded by NEB Condition	65	
207	Pipeline Engineering	NEB	If horizontal directional drilling is used, the depth of cover will be a minimum of 10 m below the deepest part of the Fraser River.	Part 2 – Public Consultation Update No. 1	During Construction	Complete		
212	Pipeline Engineering	NEB	Once an optimized valve placement design for Line 2 has been developed through the risk-based design process, Trans Mountain will file a written report that summarizes the risk-based design process that was undertaken for valve optimization, and provides the rationale for the final valve placement design. It is Trans Mountain's intent that this report, which will be submitted prior to December 1, 2014, will serve as the written engineering assessment report for valve placement location.	NEB_IR_No._2.110c	Prior to Construction	Superseded by NEB Condition	17	
214	Pipeline Engineering	NEB	The new Line 2 pipeline segments will be designed to withstand a one-in-2,475-year seismic event, consistent with current requirements of the National Building Code of Canada.	Application Volume 1, section 2.5.1.	Prior to Construction	In Progress		
215	Pipeline Engineering	NEB	Trans Mountain confirms that bed scour and lateral erosion will be incorporated into the design for crossings.	NEB_IR_No._2.102e	Prior to Construction	Superseded by NEB Condition	65	

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216	Pipeline Engineering	NEB	Trans Mountain is committed to install the Line 2 pipeline on or adjacent to the existing TMPL right-of-way to the extent feasible, to minimize environmental and socio-economic effects and facilitate efficient pipeline operations.	NEB_IR_No._2.048a	Prior to Construction	Superseded by NEB Condition	104	
217	Pipeline Engineering	NEB	Trans Mountain to submit to the NEB by June 16, 2014, Map 1 Set: to show High Consequence Areas (HCAs) provided in Reference ii) or updated HCAs. Trans Mountain to submit to the NEB by June 16, 2014, Map 2 Set: to show areas of geotechnical and seismic hazards, and water crossings.	NEB_IR_No._1.92b	Prior to Construction	Complete		
219	Pipeline Engineering	NEB	Trans Mountain will complete a pipeline risk assessment and evaluate the need for additional mitigation measures (e.g., valve spacing, deeper burial or thicker-walled pipe) to reduce threats and associated risk to aquifers.	Application Volume 7, 7-76.	Prior to Construction	Superseded by NEB Condition	15	
228	Pipeline Engineering	NEB	Trans Mountain will provide a discussion of how the original design of the existing segments meets the requirements of Line 2 as part of the engineering assessment to be filed as part of Technical Update No. 2. Refer to the response to NEB IR No. 2.134d for additional information.	NEB_IR_No._2.134b	Prior to Operations	Complete		
229	Pipeline Engineering	NEB	Trans Mountain will provide a risk ranking for the various wall thicknesses for the new pipeline segments in Q3 2014.	NEB_IR_No._1.81b	Prior to Construction	Complete		Submitted in Technical Update No. 1 (B248-18, A3Z8G1, PDF Page 19 to 20)
230	Pipeline Engineering	NEB	Trans Mountain will provide Project-related standards, specifications, and manuals that are developed during detailed engineering and design phase of the Project, upon their completion. The engineering-related documents will be provided by end of Q1 2015 while the construction-related documents will be provided 60 days prior to start of construction.	NEB_IR_No._1.76b	Prior to Construction	Complete		
231	Pipeline Engineering	NEB	Trans Mountain will provide to the NEB copies of detailed engineering designs for conditions and circumstances not specially or adequately addressed in CSA Z662 or the Onshore Pipeline Regulations (OPR) as described in the NEB Application Volume 4A, Section 2.9, 60 days prior to the commencement of construction of the mainline pipeline in a particular spread.	NEB_IR_No._1.77c	Prior to Construction	Complete		
235	Pipeline Engineering	NEB	Trans Mountain will undertake a reassessment of potential outflow volumes using the increased average throughput volumes expected on Line 1 post expansion.	NEB_IR_No._2.111	Prior to Construction	Superseded by NEB Condition	18	
236	Pipeline Engineering	NEB	Where circumstances exist such that the detailed engineering designs cannot be completed during this phase, all outstanding detailed engineering designs will be completed and submitted to the NEB 60 days prior to the commencement of construction of the mainline pipeline in a particular spread.	NEB_IR_No._1.77b	During Construction	Superseded by NEB Condition	104	
242	Pipeline Engineering	NEB; Robyn Allan	Trans Mountain will submit the risk results for the two existing active pipe segments that will be incorporated into Line 2 using Trans Mountain's risk model for operating pipelines to the NEB in a supplemental filing in Q3 2014.	NEB_IR_No._1.87c, Allan_R_IR_No._1.17e	Prior to Construction	Superseded by NEB Condition	15	Submitted in Technical Update No. 2 (B255-38, A4A4F0, PDF Pages 11 to 17, 26 to 29).

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243	Pipeline Engineering	Robyn Allan	Trans Mountain has committed to the following pipeline integrity management actions for existing pipeline segments in addition to the proposed Line 2: For the Reactivation Segments, as committed to in the response to NEB IR No. 1.86: o Trans Mountain will submit to the NEB final engineering assessment by the end of Q3 2014. o Trans Mountain will file a Threat-Based Assessment for the reactivation segments in Q3 2014. o Trans Mountain will submit an updated engineering assessment incorporating the results of the hydrostatic testing and the in-line inspection For the currently active segments of Line 1 that will form part of Line 2, as committed to in the response to NEB IR No. 1.87: o Submit the risk results for the two existing active pipe segments that will be incorporated into Line 2 using Trans Mountain's risk model for operating pipelines in a supplemental filing in Q3 2014. For the sections of Line 1 that will remain in their current operation as part of that pipeline: o Trans Mountain's pipelines are managed through a Pipeline Integrity Management Program that utilizes regular re-evaluations of risk as the basis for identifying and prioritizing assessment and risk mitigation actions. o The risk assessment is updated on an annual basis to reflect mitigation efforts such as repairs or capital upgrades associated with our Natural Hazards Management Program. o In this regular re-evaluation of risk, High Consequence Areas receive an enhanced weighting in the risk assessment, and a higher priority for any consideration of assessment and mitigation.	Allan_R_IR_No._1.17e	Prior to Construction	Complete		
244	Pipeline Engineering	Robyn Allan	Trans Mountain will incorporate data collected over the last 60 years on the existing Trans Mountain Pipeline system as input to the hazards and threats in the risk assessment on the Trans Mountain Expansion Project.	Allan_R_IR_No._1.17h	Prior to Construction	Superseded by NEB Condition	15	
245	Pipeline Engineering	Upper Nicola Band; NEB; Robyn Allan; Parks Canada Agency	Trans Mountain will file a Threat-Based Assessment for the Darfield to Black Pines reactivation segment in Q3 2014.	NEB_IR_No._1.86c, Allan_R_IR_No._1.17e, GoC_Parks_IR_No._1.1.08, Upper_Nicola_Band_IR_No._1.01a	Prior to Construction	Superseded by NEB Condition	19	Submitted in Technical Update No. 2 (B255-36, A4A4E8).
246	Pipeline Engineering	Upper Nicola Band; NEB; Robyn Allan; Parks Canada Agency	Trans Mountain will submit the final engineering assessment for the Darfield to Black Pines reactivation section by the end of Q3 2014.	Allan_R_IR_No._1.17e, NEB_IR_No._1.86b, GoC_Parks_IR_No._1.1.08, Upper_Nicola_Band_IR_No._1.01a	Prior to Construction	Superseded by NEB Condition	19	
247	Pipeline Engineering	Chris Amy	Geotechnical investigation to support horizontal directional drilling (HDD) along the route will be undertaken in 2014 along Brunette River.	Amy_C_IR_No._1.3u	Prior to Construction	No Longer Applicable		Commitment is no longer applicable as HDD is no longer being considered in proximity to Brunette River. No crossing of Brunette River proposed.
248	Pipeline Engineering	British Columbia Hydro and Power Authority	Trans Mountain commits that on the new sections of Line 2 to design the crossing of designated BC Hydro access tracks to allow a typical BC Hydro work vehicle (normally a BCL-625 design truck) to cross the TMEP pipeline while in operation without BC Hydro needing to take additional measures.	BC_Hydro_IR_No._1.3.3.3	Prior to Construction	Complete		

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249	Pipeline Engineering	British Columbia Hydro and Power Authority	Trans Mountain commits to work with BC Hydro over the next five months (May to October, 2014) to agree how potential impacts to BC Hydro infrastructure and BC Hydro's existing Right-of-Way (ROW) rights will be addressed as per response to BC Hydro IR No. 1.2.2.2.	BC_Hydro_IR_No._1.1.1.5	Prior to Construction	Complete		
251	Pipeline Engineering	British Columbia Hydro and Power Authority	Trans Mountain confirms that it intends, where practical, to observe BC Hydro's 30 Metre Separation Requirement, but Trans Mountain also recognizes that there are specific route locations where corridor constriction, as a result of terrain and or adjacent development, will make this requirement impractical.	BC_Hydro_IR_No._1.1.1.2	Prior to Construction	In Progress		
252	Pipeline Engineering	British Columbia Hydro and Power Authority	Trans Mountain is committed to continued engagement with BC Hydro in the detailed engineering and design of the pipeline and mitigation of potential adverse effects.	BC_Hydro_IR_No._1.1.1.4	Prior to Construction	Superseded by NEB Condition	50	Trans Mountain has facilitated regular interface meetings with BC Hydro throughout 2015 and plan to continue in 2016 until all TMEP/BC Hydro interface issues are resolved.
275	Pipeline Engineering	Elizabeth May; City of Abbotsford; City of Burnaby; BC Nature and Nature Canada; Province of British Columbia; NEB	A preliminary Geohazard assessment is currently being completed and will be provided as part of the risk assessment on Line 2 in Q3 2014.	NEB_IR_No._1.79b, BC_Nature_Nature_Cda_IR_No._1.19a , City_Burnaby_IR_No._1.46.04_s, City_Burnaby_IR_No._1.33.34a, City_of_Abbotsford_IR_No._1.13a, May_E_IR_No._1.5a, Province_BC_F-IR_No._1.1.01a	Prior to Construction	Superseded by NEB Condition	15, 51, 65, 68, 66, 69	
278	Pipeline Engineering	BC Parks; NEB	All provincial parks, protected areas and recreation areas will be traversed with 11.8 mm wall thickness pipe. All major watercourse crossings in parks and protected areas will be constructed using heavy wall pipe. The McQueen Creek crossing will be 14.7mm wall thickness pipe.	BC Parks boundary adjustment application (August 2014)	Prior to Construction	Complete		
461	Pipeline Engineering	NEB	Trans Mountain commits to file the Potential Acid Generating (PAG) waste cover and liner designs with the NEB upon completion of designs.	NEB_Cond_IR_No._3.3	Prior to Construction	Superseded by NEB Condition	29	
466	Pipeline Engineering	NEB	Trans Mountain will work diligently with the affected First Nations and will advise the NEB on or before May 1, 2015 as to whether an agreement regarding on-reserve routing has been reached.	NEB_IR_No._3.017a, NEB_F-IR_No._3.017a	Prior to Construction	Superseded by NEB Condition	7	
491	Pipeline Engineering	NEB	Trans Mountain will complete the hydraulic analyses for the Line 1 and Line 2 atypical flow rate scenarios and start-up and shut-down conditions during the detailed engineering and design phase, planned for 2016.	NEB_IR_No._3.051a.3	Prior to Construction	Complete		
492	Pipeline Engineering	NEB	Trans Mountain will complete a transient analyses for Line 1 and Line 2 to confirm that pressures will remain within required limits during sudden changes in operating conditions.	NEB_IR_No._3.051b	Project Lifecycle	Complete		
493	Pipeline Engineering	NEB	Trans Mountain will incorporate all of the results of the hydraulic studies, including the detailed transient analyses, into the Project design by the end of the detailed engineering and design phase in late 2016 or early 2017. The operating limits and protective device settings will be based on the hydraulic studies and will be finalized in sufficient time to allow for application during commissioning.	NEB_IR_No._3.051c	Prior to Construction	Complete		

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545	Pipeline Engineering	Eric Bickle	Trans Mountain will route the proposed pipeline along the western border of Redwoods Golf course in such a way that will not result in removal of trees that buffer the Walnut Grove residents from the golf course and in such a way that the 30m "safety zone" identified in s. 112 of the National Energy board Act would not affect the residential properties bordering Redwoods Golf Course.	Bickle_E_IR_No._1.1.1j	Prior to Construction	Complete		
546	Pipeline Engineering	Environment Canada	Engineering Critical Assessment (ECA) based flaw acceptance criteria will be made available to Natural Resources Canada when available.	GoC_EC_IR_No._2.126	Prior to Construction	Superseded by NEB Condition	111	
547	Pipeline Engineering	Natural Resources Canada	Trans Mountain to provide Natural Resources Canada (NRCan) a copy of TMEP Coating Specifications by 30 June 2015.	GoC_NRCan_IR_No._2.130.2.	Prior to Construction	Complete		
558	Pipeline Engineering	Art Jackson O/A Alpine Art	For the Project, Trans Mountain will meet or exceed both the minimum cover requirement specified in CSA Z662 and apply the province of British Columbia's more conservative one in two hundred year designated flood mandate to all of the proposed watercourse crossings.	Alpine_Art_IR_No._2.2	Prior to Construction	Complete		
560	Pipeline Engineering	City of Burnaby; NEB	Trans Mountain will complete geotechnical site investigations at sites with "high" and "moderate" liquefaction potential in 2015 and 2016. The investigations will be staged: higher-priority sites will be targeted first, followed by lower-priority sites if warranted by the results at higher-priority sites.	City_Burnaby_IR_No._2(d).2.d	Prior to Construction	Superseded by NEB Condition	68	
561	Pipeline Engineering	Squamish Nation	Trans Mountain will evaluate the magnitude of the expected imposed tensile and compressive strains on the pipe due to lateral spreading and other Geohazard along the pipeline.	Squamish_Nation_IR_No._2(d).13(a).a	Prior to Construction	Complete		
563	Pipeline Engineering	BC Nature and Nature Canada	Trans Mountain affirms its commitment to avoid the use of Colony Farm's land to the maximum extent practical.	BC_Nature_Nature_Cda_IR_No._2.41d.1	Prior to Construction	Complete		
564	Pipeline Engineering	Burnaby Residents Opposing Kinder Morgan Expansion - BROKE	Liquefaction and lateral spreading analysis and geotechnical report for sites with "very high" liquefaction potential have been underway and will be completed and Trans Mountain will seek leave to file with the NEB by March 2015	BROKE_IR_No._2.1b	Prior to Construction	Superseded by NEB Condition	68	
565	Pipeline Engineering	Burnaby Residents Opposing Kinder Morgan Expansion - BROKE	Site specific subsurface investigations for "high" and "moderate" liquefaction potential sites along the corridor will be performed in a phased approach on select sites starting spring/summer 2015, and will be based on findings from the investigation of the "very high" liquefaction potential sites and the potential for impact to the pipeline.	BROKE_IR_No._2.1b	Prior to Construction	Complete		
566	Pipeline Engineering	Burnaby Residents Opposing Kinder Morgan Expansion - BROKE	If a specific fault poses an unacceptable risk to the project, Trans Mountain will develop a fault-specific crossing design to mitigate risk to an acceptable level.	BROKE_IR_No._2.1e	Prior to Construction	Superseded by NEB Condition	69	
568	Pipeline Engineering	Burnaby Residents Opposing Kinder Morgan Expansion - BROKE	A study of the potential activity of faults crossing the proposed route in the Lower Mainland and Fraser Valley has been commissioned by Trans Mountain, and is currently being undertaken by Drs. John Clague and Doug Stead of the Department of Earth Sciences at Simon Fraser University and is expected to be complete by the end of Q1 2015.	BROKE_IR_No._2.5c	Prior to Construction	Complete		
570	Pipeline Engineering	Stz'uminus First Nation	Trans Mountain tested sites in areas adjacent to the Fraser River in May 2015. Trans Mountain is committed to assessing and using the results of the site-specific testing to refine the estimates for the frequency of loss of containment and update the project-wide risk assessment.	Stz_uminus_FN_IR_No._2(d).06.b	Prior to Construction	In Progress		
573	Pipeline Engineering	City of Abbotsford	Trans Mountain is committed to and will continue to work with the City of Abbotsford as it develops its construction communication plans through the Technical Working Group.	City_of_Abbotsford_IR_No._2.2.03b	Prior to Construction	Superseded by NEB Condition	14, 49	

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574	Pipeline Engineering	City of Abbotsford	Trans Mountain will commit to working with the City of Abbotsford to identify and limit the amount of workspace used through the City of Abbotsford Parks to the extent possible to support construction. The project is committed to work with City of Abbotsford personnel to develop restoration plans that would support Abbotsford's park objectives.	City_of_Abbotsford_IR_No._2.2.04	Prior to Construction	Superseded by NEB Condition	14, 49	
575	Pipeline Engineering	Stz'uminus First Nation	Trans Mountain will undertake field studies in 2015 to include a determination of whether faults and lineaments are pre-Holocene.	Stz_uminus_FN_IR_No._2(d).18.a	Prior to Construction	Complete		
576	Pipeline Engineering	City of Abbotsford	Trans Mountain will consult with the BC Inspector of Dikes specific to the Sumas Canal crossing methodology upon completion of the current investigative study. Trans Mountain plans to undertake soil investigations at Sumas Lake Canal as part of Detailed Engineering initiating in 2015 and will share the results of the soil investigations with the City of Abbotsford.	City_of_Abbotsford_IR_No._2.2.06	Prior to Construction	Complete		
577	Pipeline Engineering	Upper Nicola Band	Trans Mountain will re-evaluated the need for supplemental LiDAR within Upper Nicola/Syilx territory after supplemental desktop studies and the field reconnaissance portions of the investigation are completed in 2015.	Upper_Nicola_Band_IR_No._2d.1v	Prior to Construction	Complete		
582	Pipeline Engineering	City of Abbotsford	Trans Mountain is committed to trenchless installation methods across paved road crossings to minimize Project impacts to the City of Abbotsford infrastructure and to the travelling public. Road crossing designs and methodology will be reviewed with the City of Abbotsford and finalized in advance of construction.	City_of_Abbotsford_IR_No._2.2.10d	Prior to Construction	Superseded by NEB Condition	14, 49	
584	Pipeline Engineering	Upper Nicola Band	Trans Mountain will complete a specific assessment of fault zones proximal to where HDD drilling is scheduled at the Coldwater River 4 site and when geotechnical drilling planned for summer 2015 (upon receiving OGC permits) is conducted.	Upper_Nicola_Band_IR_No._2(c).02.a	Prior to Construction	Superseded by NEB Condition	69	
585	Pipeline Engineering	Upper Nicola Band	Trans Mountain will collect observations of alteration minerals specific to the Coldwater River 4 site when geotechnical drilling is completed at that site in summer 2015.	Upper_Nicola_Band_IR_No._2(c).02.b	Prior to Construction	Complete		
586	Pipeline Engineering	Upper Nicola Band	Trans Mountain will prepare and file with the NEB a summary report of the geotechnical investigation and any reassessment of the horizontal directional drill (HDD) feasibility associated access to the site for Coldwater River 4 crossing.	Upper_Nicola_Band_IR_No._2(c).02.w	Prior to Construction	Superseded by NEB Condition	67	
588	Pipeline Engineering	City of Abbotsford	Trans Mountain confirms its commitment to consult with the City of Abbotsford on valve locations and type of valves at each location.	City_of_Abbotsford_IR_No._2.4.17a	Prior to Construction	Superseded by NEB Condition	14, 49	
590	Pipeline Engineering	City of Abbotsford	Trans Mountain will commit to evaluate the feasibility of installing an additional valve in the vicinity of KP 1123.	City_of_Abbotsford_IR_No._2.4.17f	During Operations	Superseded by NEB Condition	17	
591	Pipeline Engineering	City of Abbotsford	Trans Mountain will commit to perform further assessments to see if outflow volume can be optimized in the vicinity of KP 1117, and further in this location by means of adjusting valve types, numbers or locations.  Trans Mountain has revisited the valve configuration in the vicinity of KP 1123, and will commit to evaluate the feasibility of installing an additional valve at this location.	City_of_Abbotsford_IR_No._2.4.17g	During Operations	Superseded by NEB Condition	17	
592	Pipeline Engineering	City of Abbotsford	Trans Mountain will commit to work with the City of Abbotsford on possible special designs (deeper burial, structural fill) for the pipeline, in select areas for the Auguston development near RK 1117 to 1118 and beyond to McKee Road.	City_of_Abbotsford_IR_No._2.7.24	Prior to Construction	Superseded by NEB Condition	14, 49	

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594	Pipeline Engineering	City of Abbotsford	City representatives have informed Trans Mountain that the crossing of Sumas Mountain Road is located on solid rock, and that a trenchless crossing may not be feasible. If that is the case, Trans Mountain will work with the City to finalize the crossing design, methodology, and construction scheduling to minimize impact to the general public.	City_of_Abbotsford_IR_No._2.2.10d	Prior to Construction	Superseded by NEB Condition	14, 49	
604	Pipeline Engineering	Upper Nicola Band	Trans Mountain will ensure that all locations where horizontal directional drilling (HDDs) are planned, detailed field investigations will be carried out to ensure the HDD is located appropriately.	Upper_Nicola_Band_IR_No._2(c).03.a	Prior to Construction	Complete		
607	Pipeline Engineering	NEB	Trans Mountain will undertake a reassessment of potential outflow volumes using the increased average throughput volumes expected on Line 1 post expansion.	NEB_IR_No._4_17b.2	During Operations	Superseded by NEB Condition	18	
627	Pipeline Engineering	City of Burnaby	Trans Mountain commits to complying with the City of Burnaby's mapping request should spatial data be provided to Trans Mountain from the City of Burnaby.	City_Burnaby_IR_No._2.108	Project Lifecycle	In Progress		
628	Pipeline Engineering	City of Burnaby	Trans Mountain commits to using continuous heavy wall pipe for the delivery pipelines in excess of the minimum requirements of CSA Z662-11.	City_Burnaby_IR_No._2.112	Prior to Construction	Complete		
629	Pipeline Engineering	City of Burnaby; NEB	The risk-based approach allows geohazards to be prioritized, managed, and mitigated in the absence of mandatory design guidelines or standards. However, where such guidelines or standards are available, Trans Mountain will adopt the more conservative of the results of the risk-based approach and those guidelines or standards.	NEB_IR_No._4_51b; NEB_Route_Hearing_TMEP_Evidence_Seg_7_Burnaby	Prior to Construction	Superseded by NEB Condition	15, 51, 66, 70	
631	Pipeline Engineering	NEB	Trans Mountain will meet or exceed both the minimum cover requirement specified by CSA Z662 and apply the Province of British Columbia's more conservative one in two hundred year designated flood mandate for all river crossings.	NEB_IR_No._4_51b	During Construction	Complete		
632	Pipeline Engineering	NEB	During detailed design Trans Mountain will carry out stress and strain based seismic assessments of the pipeline at critical locations including the Burnaby Mountain crossing.	NEB_IR_No._4_53	Prior to Construction	Superseded by NEB Condition	70	
637	Pipeline Engineering	NEB	Trans Mountain will implement the type of engineered solution it has demonstrated in NEB IR No. 3.53a (Filing ID A4H1V2) to mitigate the induced voltages resulting from power line steady state and transient conditions once it completes the (GPR) study at the end of 2015.	NEB_IR_No._4_56a	Prior to Construction	Superseded by NEB Condition	50	
644	Pipeline Engineering	NEB	As part of condition compliance, Trans Mountain will provide the NEB with the results of Electrical Interference Analysis for pipeline segments that are less than 10m from BC Hydro power lines and the list of Pipeline Segments where mitigations in response to NEB IR No. 4.56a have been applied.	NEB_IR_No._4_56b	Prior to Construction	Complete		
645	Pipeline Engineering	The City of Edmonton	Trans Mountain will, to the extent practicable, plan the construction to minimize interference with construction activities associated with the expansion of Whitemud Drive.	City_of_Edmonton_IR_No._2.2.1d	Prior to Construction	Superseded by NEB Condition	14, 49	
650	Pipeline Engineering	City of Kamloops	Trans Mountain is committed to discussing the proposed road crossing methodologies with the City of Kamloops for incorporation of feedback into Detailed Engineering and Design.	City_of_Kamloops_IR_No._2.01a	Prior to Construction	Superseded by NEB Condition	14, 49	
685	Pipeline Engineering	Metis Nation of Alberta Gunn Metis Local 55	A hydrostatic test profile will be developed for each test section as part of the final hydrostatic test plan.	Gunn_Métis_Local_55_IR_No._2.01	During Construction	Superseded by NEB Condition	112, 113	
701	Pipeline Engineering	City of Surrey	Trans Mountain is committed to discussing the proposed crossing designs with the City of Surrey for incorporation of feedback into Detailed Engineering and Design.	City_of_Surrey_IR_No._2.1.2.a	Prior to Construction	Superseded by NEB Condition	14, 49	

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704	Pipeline Engineering	Dorothy Doherty	Trans Mountain's Burnaby Mountain tunnel design will incorporate design features and operating procedures that recognize the unique nature of the installation and the lack of accessibility for future maintenance and repair of the sections of the Westridge delivery lines that are encased in concrete within the tunnel.	Doherty_D_IR_No._3.103g	Prior to Construction	Superseded by NEB Condition	26	
711	Pipeline Engineering	Township of Langley	Trans Mountain will provide the Township of Langley with "issued for construction centre line" GIS shape files as soon as they are available and with sufficient time for the Township to conduct emergency management planning.	Langley_IR_No._2.09.a	Prior to Construction	Superseded by NEB Condition	14, 49	
713	Pipeline Engineering	Township of Langley	Once pipeline installation is complete, Trans Mountain commits to providing the Township of Langley with "surveyed as-built centre line" shape files.	Langley_IR_No._2.09.a	Prior to Operations	Superseded by NEB Condition	14, 49	
721	Pipeline Engineering	Township of Langley	Trans Mountain intends to consult with the Township of Langley regarding the Township's design criteria, and construction requirements and specifications as part of the Company's efforts to minimize construction damage.	Langley_IR_No._2.16.a	Prior to Construction	Superseded by NEB Condition	14, 49	
725	Pipeline Engineering	Township of Langley	Trans Mountain commits to working with the Township of Langley to address site specific mitigation measures regarding the three (3) municipal parks affected by the proposed pipeline prior to construction in the parks.	Langley_IR_No._2.18.b	Prior to Construction	Superseded by NEB Condition	14, 49	
761	Pipeline Engineering	Province of British Columbia	Trans Mountain will develop a management plan for terrain stability to be implemented during construction and to continue through operation once construction is completed.	Province_BC_IR_No._2.02c	Project Lifecycle	Superseded by NEB Condition	66	
762	Pipeline Engineering	Province of British Columbia	Trans Mountain will carry out Terrain Stability Assessment (TSA) for selected Class III polygons where desktop study suggests that TSAs are warranted.	Province_BC_IR_No._2.02d	Prior to Construction	Superseded by NEB Condition	66	
764	Pipeline Engineering	Province of British Columbia	Trans Mountain will assign consequence scores to all but low vulnerability aquifers that are commensurate with aquifer High Consequence Areas (HCAs).	Province_BC_IR_No._2.08a	Prior to Construction	Superseded by NEB Condition	15, 16, 17	
785	Pipeline Engineering	Province of British Columbia	Trans Mountain commits to implement a Risk-Based Design for TMEP. This will include urban areas, agricultural lands, High Consequence Areas (HCAs) that include high Environmental sensitivities, and for seismically prone areas where slope instability may be an issue.	Province_BC_IR_No._2.13c	Prior to Construction	Superseded by NEB Condition	15	
786	Pipeline Engineering	Province of British Columbia	Trans Mountain commits to use heavy wall pipe at all major and most minor watercourse crossings, road crossings, and pipeline facilities when not required by CSA Z662 for LVP pipelines.	Province_BC_IR_No._2.13c	Prior to Construction	Complete		
787	Pipeline Engineering	Province of British Columbia	Trans Mountain commits to use Cat II pipe, over and above industry standards, for all belowground Line 2 (TMEP) piping, and to develop equivalent and compatible welding procedures with proven notch toughness, even though Cat II pipe and proven notch toughness is not required for LVP pipelines.	Province_BC_IR_No._2.13c	Prior to Construction	Superseded by NEB Condition	111	
788	Pipeline Engineering	Province of British Columbia	Trans Mountain commits to use Strain-Based Design and Engineering Critical Assessment (ECA) for large soil displacement loadings and muskeg areas when required.	Province_BC_IR_No._2.13c	During Construction	Superseded by NEB Condition	70	
789	Pipeline Engineering	Province of British Columbia	Trans Mountain is committed to using a two (2) stage screening and review process to determine the most suitable crossing methodology for each watercourse based upon fish and fish habitat sensitivity, engineering, constructability, environmental and a number of other significant factors.	Province_BC_IR_No._2.13c	Prior to Construction	Complete		
790	Pipeline Engineering	Province of British Columbia	A commitment to update and implement Trans Mountain Natural Hazard Management Program for Geohazard along the Line 2 (TMEP) pipeline.	Province_BC_IR_No._2.13c	During Construction	Superseded by NEB Condition	15, 51, 65, 66, 68, 69	
791	Pipeline Engineering	Province of British Columbia	Trans Mountain commits to inspect 100% of all production welds when not required by CSA Z662 (Clause 7.10.3.1) for LVP pipelines.	Province_BC_IR_No._2.13c	During Construction	Superseded by NEB Condition	111	



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797	Pipeline Engineering	Upper Nicola Band	Trans Mountain has committed to conduct in-line inspection and repair programs and will subject the pipeline to a pressure test in accordance with CSA Z662-11. These activities will ensure that the pipeline has a minimum safety factor of 1.25 relative to the licensed maximum operating pressure (MOP).	Upper_Nicola_Band_IR_No._2.09j	During Construction	Superseded by NEB Condition	112, 113	
799	Pipeline Engineering	Upper Nicola Band	As part of 2015 geotechnical work, additional field investigations will be undertaken to refine the assessment of all geohazards identified in the report.	Upper_Nicola_Band_IR_No._2.10e	Prior to Construction	Superseded by NEB Condition	15, 51, 65, 66, 68, 69	
802	Pipeline Engineering	Upper Nicola Band	An ARD Mitigation Toolbox will be developed for use during construction. The ARD Mitigation Toolbox will summarize construction management practices and ARD/ML mitigation methods for pipeline construction.	Upper_Nicola_Band_IR_No._2.15e	Prior to Construction	Superseded by NEB Condition	51, 72	
805	Pipeline Engineering	Upper Nicola Band	Trans Mountain commits to working with Upper Nicola Band on further sampling for ARD characterization and delineation to be completed as part of the 2015 ARD work plan.	Upper_Nicola_Band_IR_No._2.21	Prior to Construction	Superseded by NEB Condition	72	
810	Pipeline Engineering	Upper Nicola Band	Trans Mountain will review the findings including location and severity of Geohazard assessed with a FLOC value greater than 10-5 located in Upper Nicola/Sylix territory. Trans Mountain will re-assess the FLOC values based on the site specific field assessments and submit in a report prior to construction.	Upper_Nicola_Band_IR_No._2.81 and 2.84 (pages 317 and 325)	Prior to Construction	Superseded by NEB Condition	69	
840	Pipeline Engineering	Andrew Weaver	Trans Mountain will file the Lower Mainland and Fraser Valley fault study in Q1 2015 as part of its previous commitment to file a seismic assessment for the pipeline corridor by March 31, 2015.	Weaver_A_IR_No._2.11	Prior to Construction	Superseded by NEB Condition	69	
847	Pipeline Engineering	Strata NW 313	Trans Mountain is committed to working with BC Hydro to find mutually agreeable engineering solutions in order to safely route the pipeline within the 30 m zone.	Strata_NW313_IR_No._2.04c	Prior to Construction	Complete		
862	Pipeline Engineering	Squamish Nation	Site specific subsurface investigations for "high" and "moderate" liquefaction potential sites along the corridor will be performed in a phased approach on select sites starting spring/summer 2015, and will be based on findings from the investigation of the "very high" liquefaction potential sites and the potential for impact to the pipeline.	Squamish_Nation_IR_No._2.12.c	Prior to Construction	Superseded by NEB Condition	68	
866	Pipeline Engineering	Matsqui First Nation	Trans Mountain is committed to transparency and will provide the results of the risk assessment to Matsqui First Nation upon completion of the detailed design.	Matsqui_FN_IR_No._2.09.b	Prior to Construction	Superseded by NEB Condition	15	
905	Pipeline Engineering	City of Burnaby	Trans Mountain commits to removing workspace in the vicinity of the Habitat for Humanity homes.	NEB_Route_Hearing_Transcript_Seg_7_Vol_3_para_1993	Prior to Construction	Complete		
927	Pipeline Engineering	Landowner - David John Huntley; NEB	Trans Mountain commits to undertaking a vibration management and monitoring program related to the tunnel boring machine within the Westridge community, and providing the monitoring plan to the NEB prior to commencement of boring activities. The program will: include a review the Ontario Ministry of Environment vibration-related regulations, and the BC WorkSafe and Health Canada guidelines, and adopt the more stringent of those guidelines; include a description of the complaint management system; include an assessment of baseline vibration levels; make use of geophones and microphones; include David John Huntley's residence within the monitoring area; and identify additional mitigation measures Trans Mountain can implement if vibration effects are experienced.	NEB_Route_Hearing_Transcript_Seg_7_Vol_5_para_3400,3523,3525 NEB_Route_Hearing_Decision_Seg_7_Huntley_Sec_7	Prior to Construction	In Progress		

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935	Pipeline Engineering	Landowner - David John Huntley; NEB	Trans Mountain commits to notifying the NEB of any changes that are required to its currently filed or outstanding condition filings as a result of this proceeding (Route Hearing - Segment 7 Burnaby Tunnel).	NEB_Route_Hearing_Decision_Seg_7_Huntley_Sec_7	Prior to Construction	Scoping		
1,109	Pipeline Engineering	Township of Langley	Trans Mountain will commit to reinstating pavement cuts to the Township's specification.	Langley_IR_No._2.19.a	During Construction	Scoping		
1,136	Pipeline Engineering	City of Burnaby	Installation of monitoring (slope inclinometers and piezometers) as part of the geotechnical drilling investigation for the trenchless construction alternative through Burnaby Mountain.	City_Burnaby_IR_No._1.33.11j	Prior to Construction	Complete		Piezometers were installed but slope inclinometers could not be placed during Burnaby Mountain drilling. Not feasible to return to Burnaby Mountain to install inclinometers.
1,199	Pipeline Engineering	Township of Langley	Trans Mountain is willing to meet with representatives of the Township of Langley to share information on mainline block valve locations as the detailed engineering design is progressed.	Langley_IR_No._1.05e	Prior to Construction	Superseded by NEB Condition	14, 49	
1,239	Pipeline Engineering	NEB	Trans Mountain commits to filing a Geotechnical and HDD feasibility study for the Thompson River 7 crossing by the end of Q1 2018.	NEB_Cond_IR_No._67.1	Prior to Construction	Complete		
1,286	Pipeline Engineering	NEB	Trans Mountain commits to filing Geotechnical and HDD feasibility reports for the following crossings: Blackmud Creek; Whitemud Creek; Hardisty Creek; Coldwater River 1; Coldwater River 3; and Sumas River, in Q2 2018.	NEB_Cond_IR_No._67.1	Prior to Construction	Superseded by NEB Condition	67	All filings were complete at the end of June 2018 except for Sumas River.
1,405	Pipeline Engineering	NEB	Trans Mountain commits to filing a determination in Q2 2018, as to whether previously filed geotechnical and HDD feasibility reports will be updated for the following crossings: Fraser River; Salmon River; South Fraser Perimeter Road East (Center Creek); Fraser Heights (unnamed creek); and Raft River.	NEB_Cond_IR_No._67.1	Prior to Construction	In Progress		
1,626	Pipeline Engineering	Sto:lo Collective	Trans Mountain will provide updated maps to Sto:lo representatives to illustrate existing and new accesses required to support pipeline construction.	Sto:lo Collective Recommendation #31	Prior to Construction	Complete		
1,667	Pipeline Engineering	NEB	Trans Mountain commits to updating operations manuals to limit the maximum design temperature to 38°C, in the Line 2 pipeline operations manuals and in the Line 2 integrity management program.	Req_for_Relief_Line_2_Design_Temp_TMEP_IR_No_1.2_Response	Prior to Operations	Scoping		
1,668	Pipeline Engineering	NEB	Trans Mountain commits to filing revised geotechnical and feasibility reports for the South Fraser Perimeter Road East (Centre Creek) and Salmon River watercourse crossings by the end of Q2, 2018.	NEB_Cond_IR_No._77.1b, c	Prior to Construction	Complete		
1,670	Pipeline Engineering	NEB	Trans Mountain commits to filing an updated Condition 15 compliance report with the correct chainage reference for the Hargreaves scraper trap, by March 26, 2018.	Req_for_Relief_Change_in_Line_2_PL_Diameter_TMEP_Relief_Request	Prior to Construction	Complete		
1,675	Pipeline Engineering	Landowner - Cribb Construction	Trans Mountain is committed to: 1. constructing the crossing of the service road using conventional bore techniques to ensure access to the property is maintained throughout construction; 2. extending the road crossing to an approximate 120 metre long horizontal drill bore which would extend to the east side of the open water pond thereby reducing impacts to the open water pond; and 3. should a horizontal drill bore not be feasible, installing an aqua dam to isolate the open water pond for construction, and reconstruct it after construction of the new TMEP pipeline.	NEB_Route_Hearing_TMEP_Evidence_Seg_1_&_2_Cribb_Construction  NEB_Route_Hearing_Transcript_Seg_1_&_2_Vol_4_paragraph_2797,3052-3057,3198  NEB_Route_Hearing_Decision_Seg_1_&_2_Cribb_Construction_Sec_3	During Construction	Addressed by Construction Line List and Construction Alignment Sheets		

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1,679	Pipeline Engineering	Landowner - Janet and Lyle Russell	Trans Mountain commits to: 1. Implementing the routing approach shown in Appendix B of the Trans Mountain Reply Evidence, which shows the anticipated modification of the alignment, so as to permit the construction of an access road in the location contemplated by Ms. and Mr. Russell; 2. Continuing to engage with Ms. and Mr. Russell on resolution of the route alignment that enables future subdivision; 3. Modifying the alignment on the lands south of the existing pipeline to address Yellowhead County's Guidelines by increasing depth of cover, changing the crossing location and angle, and narrowing the right-of-way; and 4. Continuing to work with Yellowhead County and Ms. and Mr. Russell in an effort to obtain Yellowhead County's written agreement for a variance relative to the new TMEP pipeline and the Russells' planned future development.	NEB_Route_Hearing_TMEP_Evidence_Seg_1_&_2_Janet&LyleRussell  NEB_Route_Hearing_Transcript_Seg_1_&_2_Vol_1_paragraph_86,93,256-261,264,265  NEB_Route_Hearing_Decision_Seg_1_&_2_Janet&LyleRussell_Sec_2.3	Prior to Construction	In Progress		
1,682	Pipeline Engineering	Landowner - Dale / Lorna Plummer and Carly Morin	Trans Mountain is committed to: 1. stripping topsoil in non-frozen conditions; 2. looking at options to relocate the log deck/multi-use workspace to a new location in consultation with the Plummers and Morins; 3. using temporary fencing if requested by the Plummers or Morins; 4. taking steps to repair the relationship between Trans Mountain and the Plummers; 5. being flexible in the location of temporary or extra workspace, such as the identified log deck, to accommodate planned development; and 6. working with the landowners on operational issues.	NEB_Route_Hearing_Transcript_Seg_1_&_2_Vol_6_paragraph_5434-5435  NEB_Route_Hearing_Transcript_Seg_1_&_2_Vol_7_paragraph_5976,5999-6002,6067,6096  NEB_Route_Hearing_Decision_Seg_1_&_2_Plummer&Morin_Sec_2.2  NEB_Route_Hearing_Argument_Seg_1_&_2_Plummer&Morin_paragraph_49,63	Project Lifecycle	In Progress		
1,695	Pipeline Engineering	City of Chilliwack; NEB; Waterwealth Project	Trans Mountain commits to using heavy wall pipe (14.7 mm wall thickness versus 11.8 mm) for the section of the Chilliwack BC Hydro Route Realignment, between Silverthorne Road to Watson Road, between KP 1091.8 and KP 1094.12.	Route_Variance_Chilliwack_BC_Hydro_Application_pg10 Route_Variance_Chilliwack_BC_Hydro_TMEP_Response_dated_July24_2017 Route_Variance_Chilliwack_BC_Hydro_TMEP_Response_dated_Aug21_2017 Route_Variance_Chilliwack_B_Waterwealth_IR_1.2	Prior to Construction	Complete		

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1,696	Pipeline Engineering	City of Chilliwack; NEB; Waterwealth Project	Trans Mountain commits to installing an additional mainline isolation valve in the nearest logical proximity with power and communications, at or before the eastern start of Silverthorne Road, within the Chilliwack BC Hydro Route Realignment.	Route_Variance_Chilliwack_BC_Hydro_Application_pg10 Route_Variance_Chilliwack_BC_Hydro_TMEP_Response_dated_July24_2017 Route_Variance_Chilliwack_BC_Hydro_TMEP_Response_dated_Aug21_2017 Route_Variance_Chilliwack_B_Waterwealth_IR_1.2	Prior to Construction	Complete		
1,697	Pipeline Engineering	City of Chilliwack; NEB; Waterwealth Project	Trans Mountain commits to incorporating enhanced external leak detection based on fibre optic technology across the Vedder Fan Aquifer, between Kinkora Golf Course and Vedder River isolation valves.	Route_Variance_Chilliwack_BC_Hydro_TMEP_Response_dated_June6_2017 Route_Variance_Chilliwack_BC_Hydro_TMEP_Response_dated_July24_2017 Route_Variance_Chilliwack_BC_Hydro_NEB_IR_2.1b) Route_Variance_Chilliwack_BC_Hydro_City_of_Chilliwack_IR_1.2.4d Route_Variance_Chilliwack_B_Waterwealth_IR_1.1	Prior to Construction	Complete		
1,721	Pipeline Engineering	NEB	Trans Mountain commits to installing the new pipeline in the area of the Chilliwack BC Hydro Route Realignment, to a depth of between 1.2 m and 2.5 m, depending on such factors as road and utility infrastructure crossings, and agricultural areas where deep tillage is possible.	Route_Variance_Chilliwack_BC_Hydro_NEB_IR_1.3 Route_Variance_Chilliwack_BC_Hydro_TMEP_Response_dated_July24_2017 Route_Variance_Chilliwack_BC_Hydro_NEB_IR_2.1b Route_Variance_Chilliwack_BC_Hydro_NEB_IR_5.4 Route_Variance_Chilliwack_BC_Hydro_Transcript_Vol2_para1844	Prior to Construction	Complete		

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1,724	Pipeline Engineering	City of Chilliwack	Trans Mountain commits to having a remotely operated block valve upstream of the Vedder River watercourse crossing and a check valve downstream, to limit the potential spill volume in the river in the very low likelihood event of a leak or rupture.	Route_Variance_Chilliwack_BC_Hydro_TMEP_Response_dated_Aug21_2017 Route_Variance_Chilliwack_BC_Hydro_Transcript_Vol1_para125	Prior to Construction	Complete		
1,725	Pipeline Engineering	NEB	Trans Mountain commits to installing marker tape just above the buried pipeline, in the area associated with the Chilliwack BC Hydro Route Realignment.	Route_Variance_Chilliwack_BC_Hydro_NEB_IR_2.1b	Prior to Construction	Scoping		
1,727	Pipeline Engineering	NEB	Trans Mountain commits to the following mitigation measures in order to protect the pipeline against ground potential rise due to power system fault conditions: 1) installing one 960 m run of 2/0 copper wire connected to the pipe via DC decouplers, (1095+280 to 1096+240); and 2) installing grounding to decrease tower voltage rise below 175 kV (1095+240 @ 5L081).	Route_Variance_Chilliwack_BC_Hydro_NEB_IR_5.1d	Prior to Construction	Scoping		
1,728	Pipeline Engineering	NEB	Trans Mountain commits to filing its report on the assessment of AC interference effects on TMEP for the Lower Mainland, with the NEB and providing a copy of that report to BC Hydro, by Feb. 2, 2018.	Route_Variance_Chilliwack_BC_Hydro_NEB_IR_5.1d	Prior to Construction	Complete		
1,736	Pipeline Engineering	NEB	Trans Mountain commits to revising the Field Changes Manual for Geohazard Mitigation to reference the Environmental Protection Plan (EPP) where discharge of groundwater seepage may be implemented as a potential mitigation option.	NEB_Cond_IR_No._13.3	Prior to Construction	In Progress		
1,747	Pipeline Engineering	City of Coquitlam	Trans Mountain commits to: 1. avoiding exacerbating effects of the pipeline on surrounding infrastructure, in part through selecting backfill materials to avoid differential settlement; 2. mitigating potential differential settlement by using a two-meter depth of cover on United Boulevard; 3. using a specialist engineering firm to develop detailed engineering plans that would reflect settlement and existing contamination considerations.	NEB_Route_Hearing_Decision_Seg_7_CityofCoquitlam_Sec_2.3.2	Prior to Construction	In Progress		Detailed engineering plans to be developed and results incorporated in the construction alignment sheets.
1,751	Pipeline Engineering	Landowner - Min Guo	Trans Mountain commits to: 1. ensuring pipeline is designed to the appropriate standards and accepted practices for seismic considerations in this region; 2. conducting noise modelling.	NEB_Detailed_Route_Hearing_Transcript_Volume_9_para_6079; NEB_Detailed_Route_Hearing_Decision_Seg_7_MinGuo_Sec_2.4	Prior to Construction	Complete		
1,752	Pipeline Engineering	NEB	Trans Mountain commits to conducting additional detailed investigations at Moonbeam Creek North Slope earth landslide, including borehole drilling and installation of subsurface displacement monitoring tools.	NEB_Cond_IR_No._78.1d	During Construction	In Progress		

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1,760	Pipeline Engineering	Landowner - Underhill Lands Ltd	Trans Mountain commits to: 1. keeping the alignment as far from the building as possible within this PPBoR, taking into account the setbacks associated with the power poles; 2. continuing to engage with BC Hydro to explore further options in order to minimize the impact on Underhill; 3. if BC Hydro responds prior to construction, to work with Underhill and BC Hydro to attempt to relocate power lines and to return to the Board to amend the PPBoR if the power lines can be relocated with a route that takes advantage of the revised power line location.	NEB_Route_Hearing_Decision_Seg_7_UnderhillLandsLtd_Sec_3	Prior to Construction	Addressed by Construction Line List and Construction Alignment Sheets		
2,034	Pipeline Engineering	BC Parks	Vehicle and pipeline crossing methods have been selected to reduce Project-specific effects in consideration of presence and use by fish species of concern in Finn Creek. Trans Mountain will conduct the crossing using an isolated crossing method (i.e., if water is present) or open cut crossing (i.e., if dry or frozen to bottom). Although not stated in the original application, the use of a diversion channel is being considered to successfully isolate the section of channel at the crossing location. If used during a period of low flow (e.g., fall), a diversion would allow fall spawning species, such as bull trout, to continue a migration upstream to spawning habitat, unaffected by instream construction.	BC Parks boundary adjustment application (August 2014) Tab A - Finn Creek Provincial Park	During Construction	In Progress		
2,155	Pipeline Engineering	Shxw'owhámel First Nation	Trans Mountain has proposed a pipeline re-alignment from Alternative Kilometer Post (AK) 1057 to AK 1059, designed to avoid the pithouses and archaeological sites identified by Shxw'owhámel First Nation.	Public Land Reply Evidence	Prior to Construction	Complete		
2,174	Pipeline Engineering	NEB	Trans Mountain will install permanent mitigation measures on any portion of the pipeline that will be buried for longer than four months prior to completion of the project.	NEB_IR_No._2.075c	During Construction	Superseded by NEB Condition	50	
2,236	Pipeline Engineering	C.G.L.A.P. - Collaborative Group of Landowners Affected by Pipelines	Where deep tillage and sub-soiling is practiced, Trans Mountain will install the pipeline at deeper depth of cover than the standard 0.9 m. Based on information gathered to date, tillage and sub-soiling may be as deep as 0.7 m from existing grade. In these situations, Trans Mountain would propose that the pipeline would need a depth of cover of minimum 1.2 m measured from existing grade.	CGLAP_IR_No._1.9d	During Construction	Complete		
2,336	Pipeline Engineering	City of Abbotsford	Trans Mountain is committed to minimizing its construction footprint through City of Abbotsford Parks, but cannot enter into binding agreements at this time due to uncertainty of site conditions and the early stage of detailed engineering and design. Trans Mountain will plan to locate any temporary workspaces (e.g., laydown areas, storage areas) outside of City of Abbotsford park areas and only use what land is necessary to install the pipe safely in the trench.	City of Abbotsford IR No._2.2.04a	Prior to Construction	Superseded by NEB Condition	14, 49	
2,352	Pipeline Engineering	Metro Vancouver	As part of the detailed design process, Trans Mountain will design watercourse crossings for scour and bank stability to meet the conditions of a 1 in 200 year flood event. The mitigation will be selected on a case by case basis but will include either burying the pipe sufficiently deep or to provide other protection such as bank stabilization.	Reply Evidence 10.22 Watercourses - p10-1 - line 19	Prior to Construction	Complete		
2,360	Pipeline Engineering	Upper Nicola Band	In response to metal leaching from the pipeline itself, Trans Mountain will apply protection to the pipeline from corrosion and metal deterioration by the application of a fusion bond epoxy (FBE) coating system on the outer surface of the pipeline to act as a barrier to the environment.	Reply Evidence 11.3 Metal Leaching and Acid Rock Drainage - p 6 - line 18	During Construction	Complete		

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2,361	Pipeline Engineering	City of Burnaby; Landowner - Lisa Craig	Trans Mountain will ensure proposed tunneling to route the pipeline expansion through Burnaby Mountain will be completed entirely from portals within the Burnaby and Westridge Terminal facilities. Trans Mountain will seek to minimize impact to the Burnaby Mountain Conservation Area lands through clearing or any other construction activities.	Reply Evidence 11.4.1 Potential to Destabilize Burnaby Mountain - p6 -line 33 NEB_Route_Hearing_Transcript_Seg_7_Vol_3_para_1772	During Construction	Superseded by NEB Condition	26	
2,362	Pipeline Engineering	City of Burnaby; Landowner - Lisa Craig	Trans Mountain will backfill the tunnel to prevent the development of a conduit for groundwater flow.	Reply Evidence 11.4.1 Potential to Destabilize Burnaby Mountain - p6 -line 33 NEB_Route_Hearing_TMEP_Evidence_Seg_7_Burnaby_para_294	During Construction	Superseded by NEB Condition	27	
2,368	Pipeline Engineering	Yarrow Ecovillage	Trans Mountain confirms that the pipeline will remain within the existing right of way and the centre line of the proposed pipeline will be 6m offset from the existing pipeline, on the southern side.	Reply Evidence 13.4 Yarrow EcoVillage, Chilliwack - p2 - line 11	Prior to Construction	Scoping		
2,376	Pipeline Engineering	NEB	As part of the detailed design process, Trans Mountain will design watercourse crossings for scour and bank stability to meet the conditions of a 1 in 200 year flood event. The mitigation will be selected on a case by case basis but will include either burying the pipe sufficiently deep or to provide other protection such as bank stabilization.	Reply Evidence 10.2.2 Watercourses - p10-1 - line 19	Prior to Construction	Complete		
2,384	Pipeline Engineering	NEB	Trans Mountain will ensure the TMEP pipeline, including line pipe and heavy wall pipe (but excluding facilities pipe), will be made of low carbon, high strength, low alloy, Grade 483 steel. The nominal pipe size (NPS) 42, 36, 30 pipe will be manufactured in accordance with CSA Z245.1, Steel Pipe and Trans Mountain Standard MP2120 Main Line Pipe Material. Trans Mountain will ensure all mainline pipe will be manufactured using standard manufacturing procedures for longitudinal and/or helical seam (spiral) submerged arc welded pipe with controlled rolling practices utilized to improve strength, ductility, weldability, and toughness properties of the pipe.	Reply Evidence 15.4 Seismic Hazard Mitigation - p11 - line 30	Prior to Construction	Complete		
2,385	Pipeline Engineering	Metro Vancouver	In addition to working closely with Metro Vancouver through a Technical Working Group (TWG) to mitigate potential conflicts, Trans Mountain will facilitate the necessary coordination between its contractor and Metro Vancouver's contractor(s) to prevent interference with work space requirements, construction methods and working areas.	Reply Evidence 16.1.3 Construction Schedule Conflicts - p1 - line 29	Prior to Construction	Complete		
2,430	Pipeline Engineering		Trans Mountain will ensure all of the property line setbacks for the Burnaby Terminal will meet or exceed the requirements of National Fire Protection Association (NFPA) Code 30 and City of Burnaby bylaws.	Reply Evidence 24.1 Fire Code Requirements - p1 - line 16	During Construction	Superseded by NEB Condition	22, 23, 24, 25	
2,466	Pipeline Engineering	NEB	Trans Mountain's eventual Project footprint will avoid the mature forest community in the Brunette River Conservation Area ; as recommended by BC ecologist, Tom Braumandl.	Reply Evidence 37.1.2 Vegetation - p37-2 - line 18	Prior to Construction	Scoping		
2,503	Pipeline Engineering	City of Burnaby	Trans Mountain will install monitoring (slope inclinometers and piezometers) as part of the geotechnical drilling investigation for the trenchless construction alternative through Burnaby Mountain.	City_Burnaby_IR_No._1.33.11j	Prior to Construction	Complete		

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2,556	Pipeline Engineering	Township of Langley; Fraser Valley Regional District; City of Abbotsford	Trans Mountain has committed to changing the alignment of the pipeline from the west side of Redwoods Golf Course to the east side.	This commitment was made since the close of intervenor's evidence: Attachment to Email from Suzy Hunter, Hatch Mott Macdonald re: TMEP Technical Working Group meeting sent to R. Zwaag, Township of Langley, dated September 30, 2015.	Prior to Construction	Complete		
2,565	Pipeline Engineering	NEB	Trans Mountain will commit to apply minimum clearance of 0.7 m in urban areas , where practical, and a precast slab will be installed between the new TMEP pipeline and the adjacent facility. A Typical Foreign Pipeline Crossing drawing is included in Appendix C.	Application Volume 4A s. 3.2.18 p4A-26; Application Volume 4A Appendix C	Prior to Construction	Complete		
2,581	Pipeline Engineering	City of Burnaby	If the Barnet Escarpment Trail is south of the Westridge Terminal and north of the Kask Brothers site, the proposed revised pipeline corridor will likely undercross it in trenchless mode. Trans Mountain will work with the City of Burnaby to reduce impacts, where practical.	City_Burnaby_IR_No._1.44.01o	During Construction	Complete		
2,632	Pipeline Engineering	NEB	Trans Mountain will avoid disturbance of known gathering places during right-of-way finalization, to the greatest extent practical.	Application Volume 5B Table 7.2.2-4 p7-27	Prior to Construction	Complete		
2,645	Pipeline Engineering	NEB	Trans Mountain will ensure rail lines will be crossed using a trenchless crossing method (e.g., bore or horizontal directional drilling (HDD)).	Application Volume 5B Table 7.2.5-2 p7-122	During Construction	Complete		
2,814	Pipeline Engineering	City of Abbotsford	Trans Mountain will commit to special designs for the pipeline, in select areas for the Auguston development near KP 1117 to 1118 and beyond to McKee Road.	City of Abbotsford IR No._2.7.24	Prior to Construction	Scoping		
2,822	Pipeline Engineering	City of Burnaby	Trans Mountains commits to using continuous heavy wall pipe for the delivery pipelines in excess of the minimum requirements of CSA Z662-11.	City of Burnaby_No._2.112	Prior to Construction	Complete		
2,858	Pipeline Engineering	City of Abbotsford	Trans Mountain is committed to use trenchless method at Mt. Lehman Rd. and through the parking lot of the City's Mt. Lehman firehall. i) If geotechnical conditions preclude use of trenchless method, Trans Mountain will use construction methods that maintain access to the firehall 24 hours per day for the City's emergency services. Trans Mountain is committed to consult with the City of Abbotsford and its emergency services as it develop its construction plans in this area.	City_Abbotsford_IR_No._1.21b	Prior to Construction	Complete		A trenchless crossing with be undertaken for Mt. Lehman Rd. and the firehall parking lot.
2,892	Pipeline Engineering	City of Surrey	Trans Mountain will ensure alignment of pipeline to avoid City of Surrey parkland at RK 1158.5.	City_Surrey_IR_No._1.1f	Prior to Construction	Complete		
2,912	Pipeline Engineering	Dorothy Doherty	Trans Mountain will use pipe and pipe coating materials for the Trans Mountain Line 2 design that exceed the minimum requirements of Canadian Standards Association (CSA) Standards and will exceed or be equivalent to the current pipeline industry practice.	Doherty_D_IR_No._1.02g	During Construction	Complete		
2,929	Pipeline Engineering	Environment Canada	In the Brunette River Conservation Area, Trans Mountain commits that the trenchless installation technique will be used to cross from the Sapperton Rail.	GoC_IR_No._2.025.a	Prior to Construction	In Progress		
2,939	Pipeline Engineering	Natural Resources Canada	Trans Mountain will commit to implementing weld toughness testing of electric welded pipe at the minus 5 degrees Celsius (-5°C) temperature.	GoC_NRCan_IR_No._1.10.02	Prior to Construction	Complete		
2,962	Pipeline Engineering	Government of Canada	Trans Mountain commits that the employees employed during the summer and fall 2014 survey will be invited to work during the 2015 survey season by the [land survey] contractor.	GoC_IR_No._2.05.3	Prior to Construction	Complete		



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3,528	Pipeline Engineering	Upper Nicola Band	An Acid Rock Drainage (ARD) management plan will be developed as part of detailed engineering and design. Trans Mountain will conduct inspections and post-construction seepage sampling at areas where potentially acid generating material has been identified or exposed during construction.	Upper_Nicola_Band_IR_No._1.03l	Prior to Construction	Superseded by NEB Condition	72	
3,533	Pipeline Engineering	Township of Langley	Trans Mountain will commit to reinstating pavement cuts to the Township's specification.	Langley_IR_No._2.19.a	During Construction	Scoping		
3,542	Pipeline Engineering	C.G.L.A.P. - Collaborative Group of Landowners Affected by Pipelines	In areas where pipeline depth needs additional cover to accommodate deep tillage the pipeline will be buried with soil cover over the pipe of 1.2m.	CGLAP_IR_No._1.5c	Prior to Construction	Complete		
3,554	Pipeline Engineering	BC Parks; NEB	All provincial parks, protected areas and recreation areas will be traversed with 11.8 mm wall thickness pipe. All major watercourse crossings in parks and protected areas will be constructed using heavy wall pipe. The Clearwater River will be 19.0 mm extra heavy wall thickness pipe as the pipeline is proposed to be installed by a horizontal directional drilling (HDD) method. The extra heavy wall thickness is required for large loads imposed during installation and during the pipe pull and finished pipeline profile in the bored hole. If the Clearwater River HDD proves to be unsuccessful then the contingency, in-stream design would be implemented with a wall thickness of 14.7mm or the 19.0 mm thick pipe planned for the HDD if the pipe had already been welded into a pipe string in preparation for pipe pulling.	BC Parks boundary adjustment application (August 2014)	Prior to Construction	Complete		
3,559	Pipeline Engineering	Burnaby Residents Opposing Kinder Morgan Expansion - BROKE	If a specific fault poses an unacceptable risk to the project, Trans Mountain will develop a fault-specific crossing design to mitigate risk to an acceptable level.	BROKE_IR_No._2.1e	Prior to Construction	Complete		
3,652	Pipeline Engineering	The City of Edmonton	Trans Mountain will use minimum 14.7 mm wall thickness pipe through Whitemud Drive area. HDD will be minimum 19.0 mm WT.	Non-Regulatory Commitment	Prior to Construction	Complete		
3,662	Pipeline Engineering	Merritt Airport Authorities	Trans Mountain pipeline design will need to accommodate the Merritt Airport proposed runway expansion.	Non-Regulatory Commitment	Prior to Construction	Complete		
3,668	Pipeline Engineering	City of Abbotsford	Trans Mountain commits to bore under Clayburn Rd during construction and that any potential road closures will be minimal in duration for Clayburn Road.	Non-Regulatory Commitment	Prior to Construction	Complete		
3,669	Pipeline Engineering	City of Chilliwack	Trans Mountain will commit to install heavy wall pipe (14.7 mm wall thickness versus 11.8mm) for the entire portion between Silverthorne Road to Watson Road. TMEP will also add a valve in the nearest logical proximity with power and communications, at or before the eastern start of Silverthorne Road.	Non-Regulatory Commitment	Prior to Construction	Complete		
3,671	Pipeline Engineering	Oppenheimer Foods	Trans Mountain commits to crossing the loading bays using a trenchless bore.	Non-Regulatory Commitment	Prior to Construction	Complete		
3,673	Pipeline Engineering	City of Surrey; Edmonton & Area Land Trust	Trans Mountain will engineer to account for future road projects.	Non-Regulatory Commitment	Prior to Construction	Superseded by NEB Condition	14, 49	
3,688	Pipeline Engineering	City of Abbotsford	Trans Mountain will review applicability of the contingency fund requirement for excavation below elevation 200 for quarry businesses.	Non-Regulatory Commitment	Prior to Construction	Scoping		
3,691	Pipeline Engineering	City of Abbotsford	Trans Mountain will preserve a large cottonwood adjacent western boundary of golf course if it is not on the Trans Mountain ROW and does not pose a safety concern.	Non-Regulatory Commitment	Prior to Construction	In Progress		

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3,716	Pipeline Engineering	City of Merritt	Trans Mountain will construct TMEP to accommodate future runway extension at Merritt Airport.	Non-Regulatory Commitment	Prior to Construction	Complete		
3,727	Pipeline Engineering	Sandy Hill Neighbourhood Information Session Attendee	Trans Mountain will bore roadway of private residences to enable property access during construction.	Non-Regulatory Commitment	During Construction	Complete		
3,731	Pipeline Engineering	Sandy Hill Neighbourhood Information Session Attendee	Trans Mountain will use trenchless technology for construction on/near Clayburn Road as it is a major thoroughfare for commuters.	Non-Regulatory Commitment	Prior to Construction	In Progress		
3,965	Pipeline Engineering	NEB	Trans Mountain commits to designing and constructing the power line associated with the Black Pines Pump Station in accordance with the Canadian Standards Association (CSA) standards for overhead systems (CSA C22.3).	NEB_Cond_IR_No._9.3b	Prior to Operations	Superseded by NEB Condition	48	
168	Reactivation	Parks Canada Agency	Trans Mountain will continue to work with Parks Canada and BC Parks as part of the decision making process for reactivation activities, including the identification of site-specific issues and concerns and development of mitigation and restoration measures.	GoC_Parks_IR_No._1.2.2	Prior to Construction	Superseded by Management Plan		
189	Reactivation	Upper Nicola Band	Prior to reactivation of the segments on Line 1, Trans Mountain will file Leave to Open documentation including documentation of repairs and testing that supports restart of these pipeline segments.	Upper_Nicola_Band_IR_No._1.04d	Prior to Operations	Scoping		
190	Reactivation	Upper Nicola Band	Prior to reactivation, Trans Mountain will verify the integrity of the pipeline system through the use of in-line inspection and a hydrostatic pressure test.	Upper_Nicola_Band_IR_No._1.04c	Prior to Operations	Scoping		
199	Reactivation	NEB	After the initial in-line inspection (ILI) program, Trans Mountain will mitigate the stream crossing hazards already identified and any other hazards identified during ongoing assessments.	Application Volume 4A-123. (3.6.5.2)	Prior to Operations	Superseded by NEB Condition	19	
208	Reactivation	NEB	In addition to the mitigation measures at the known priority sites, Trans Mountain will run a high resolution geometry ILI tool prior to reactivation of the Darfield to Black Pines and the Hinton to Hargreaves segments. The geometry tool data will be integrated with the data from the GEOPIG inspections completed in 2001 and 2003 to identify pipe movements that may have been caused by slope instability, river scour, or other geological, geotechnical, or hydrologic phenomena.	Application Volume 4A-122.	Prior to Operations	Superseded by NEB Condition	19	
241	Reactivation	NEB	Prior to hydrostatic testing, Trans Mountain will complete Inline inspection (ILIs or smart pigging) of the deactivated segments using a high resolution metal loss tool, a high resolution axial flaw detection tool, and a high resolution geometry tool...	Application Volume 4A-117.	Prior to Operations	Complete		
254	Reactivation	NEB	Prior to reactivating the pipeline segments, Trans Mountain will run an axial flaw detection (AFD) inline inspection (ILI) tool that is able to identify axially oriented features such as corrosion grooves, gouges and open cracks. Once the ILI results are received, Trans Mountain will do a number of digs to verify the tools' sizing accuracy and to assess any anomalies.	Application Volume 4A-119.	Prior to Operations	Superseded by NEB Condition	19	
506	Reactivation	NEB	Trans Mountain will conduct additional field investigations for 5 sites identified on the two pipeline segments proposed for reactivation as part of the Natural Hazards Management Program,	NEB_IR_No._3.102a	Prior to Operations	Complete		
614	Reactivation	NEB	Trans Mountain commits to completing a pre-reactivation inspection using the electromagnetic acoustic transducer tool (EMAT) tool.	NEB_IR_No._4.42a	Prior to Operations	Superseded by NEB Condition	19	

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615	Reactivation	NEB	Prior to reactivation, Trans Mountain will complete the following activities to verify that the pipeline is safe to return to service: <ul style="list-style-type: none"> <li>•Complete crack inspections of the pipeline system using the Axial Flaw Detection (AFD) and Electro-Magnetic Acoustical Transducer (EMAT) (refer to the response to NEB IR No. 4.42a) prior to the reactivation of the pipeline.</li> <li>•Complete high resolution metal loss inspections of the pipeline system prior to reactivation.</li> <li>•Complete high resolution geometry inspection of the pipeline system prior to reactivation.</li> <li>•Complete a hydrostatic test to revalidate the currently licensed maximum operating pressure (MOP) of the pipeline segments prior to reactivation.</li> </ul>	NEB_IR_No._4.43c	Prior to Operations	Superseded by NEB Condition	19	
622	Reactivation	NEB	Trans Mountain commits to complete excavations of all crack-like anomalies on the Hinton to Hargreaves section of line prior to hydrostatic testing and reactivation.	NEB_IR_No._4.43	Prior to Operations	Superseded by NEB Condition	19	
793	Reactivation	Upper Nicola Band	Trans Mountain has committed to complete in-line inspections prior to and following the return to service of the pipeline segments as well as conducting a hydrostatic test of the deactivated sections (Darfield to Black Pines and Hinton to Hargreaves).	Upper_Nicola_Band_IR_No._2.08d	Prior to Operations	Superseded by NEB Condition	19	
1,378	Reactivation	Upper Nicola Band	Prior to reactivation, Trans Mountain will complete inspections, excavations, and hydrostatic testing to ensure the safe operating margin of the pipeline is maintained and will provide a final Engineering Assessment to demonstrate that the pipeline is fit for service.	Upper_Nicola_Band_IR_No._2.09z	Prior to Operations	Scoping		
1,851	Reactivation	Upper Nicola Band	Prior to reactivation of the segments on Line 1, Trans Mountain will file Leave to Open documentation including documentation of repairs and testing that supports restart of these pipeline segments.	Upper_Nicola_Band_IR_No.1.04d	Prior to Operations	Scoping		
258	Regulatory	Adams Lake Indian Band	A minimum of two Environmental compliance audits per year for each individual prime contractor (mainline construction) or construction spread will be conducted by a qualified, third-party consultant.	ALIB_IR_No._1.6.07	During Construction	Superseded by Management Plan		
307	Regulatory	Adams Lake Indian Band; City of Burnaby	An Environmental Compliance Plan (ECP) will be prepared prior to the start of construction (Section 5.3 of Volume 6A).	ALIB_IR_No._1.6.01a, City_Burnaby_IR_No._1.26.01a, City_Burnaby_IR_No._1.26.01b	Prior to Construction	Superseded by Management Plan		
346	Regulatory	NEB	Environmental compliance audits will be commissioned by the Trans Mountain Legal Department and will be administered by Trans Mountain's Environment, Health and Safety Department. A number of internal compliance audits are expected over the life of the Project.	Application Volume 6A, 3-6.	During Construction	Superseded by Management Plan		
1,680	Regulatory	NEB	Trans Mountain commits to filing a revised PPBoR with the NEB, if routing changes are made as a result of discussions with Yellowhead County and Ms. and Mr. Russell.	NEB_Route_Hearing_Transcript_Seg_1_&_2_Vol_1_para_265  NEB_Route_Hearing_Decision_Seg_1_&_2_Janet&LyleRussell_Sec_2.3	Prior to Construction	Superseded by Legal/Regulatory Requirement		
1,749	Regulatory	Fraser Heights Community Association	Trans Mountain commits to filing the information regarding the change in the alignment.	NEB_Detailed_Route_Transcript_Volume_9_para_5610	Prior to Construction	In Progress		

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15	Security	Angelika Hackett; Chris Amy	Prior to construction, Trans Mountain will develop a Security Management Program (SMP). Ninety days before construction, a construction SMP will be filed with the National Energy Board (NEB) as per NEB draft Condition 37. Prior to completion of construction and before commencing operations of the new pipeline, an updated operations SMP will be submitted to the NEB.	Amy_C_IR_No._1.8a, Hackett_A_IR_No._1.7a	Prior to Construction	Superseded by NEB Condition	63	
454	Security	NEB	All construction areas, including those within existing Trans Mountain rights-of-way, pump stations, terminals, and other facilities will undergo a Security Risk Assessment (SRA) and appropriate controls will be implemented prior to the start of construction.	Application Volume 4B, 4B-56.	Project Lifecycle	Superseded by NEB Condition	63	
3,623	Security	City of Kamloops; City of Merritt; District of Clearwater; RCMP	Trans Mountain will confirm if any additional RCMP resources required for construction will be paid for by Trans Mountain.	Non-Regulatory Commitment	Prior to Construction	Superseded by NEB Condition	63	
3,630	Security	Workshop Participants	Trans Mountain will consider the request for a Security Liaison for each policing contact per community during construction and providing ongoing security intelligence information.	Non-Regulatory Commitment	Project Lifecycle	Superseded by NEB Condition	63	
13	Stakeholder Engagement	Regional District of Fraser-Fort George	Trans Mountain is committed to community benefits for municipalities and regions crossed by the Project and Trans Mountain has initiated discussions with local governments and organizations to explore opportunities related to its priority areas of community investment, the environment, and education. For Valemount, as with all pipeline communities, TMPL is committed to providing local business and employment opportunities within the community and region.	RD_of_Fraser-Fort_George_IR_No._1.03e	Project Lifecycle	Superseded by NEB Condition	12, 107, 145	
20	Stakeholder Engagement	City of Abbotsford	Trans Mountain commits to consult with the City of Abbotsford in the development of the Project construction schedule within City boundaries.	City_of_Abbotsford_IR_No. 1.27a	Prior to Construction	In Progress		
33	Stakeholder Engagement	City of Burnaby	Trans Mountain commits to consult with the City of Burnaby in the development of the Project construction schedule within City boundaries.	City_Burnaby_IR_No._1.02.04b, City_Burnaby_IR_No._1.03.07f	Prior to Construction	In Progress		
74	Stakeholder Engagement	NEB	Trans Mountain will develop a communication plan to facilitate a concise two-way information exchange between Project members, corporate head office departments, contractors and regulatory authorities in order to effectively manage the Project. The communication will also summarize the notifications required to regulatory authorities and the public.	Application Volume 6A, 3-8.	Project Lifecycle	Complete		
80	Stakeholder Engagement	NEB	Trans Mountain will provide company contact information to those potentially affected by noise in the event there are noise concerns related to operation of the pipeline system, including: <ul style="list-style-type: none"> <li>residents</li> <li>land users</li> <li>Aboriginal groups.</li> </ul> Company contact information will also be provided to those potentially affected by noise from pipeline construction including: <ul style="list-style-type: none"> <li>residents</li> <li>land users</li> <li>Aboriginal groups.</li> </ul>	NEB_IR_No._1.19b	During Construction	Superseded by NEB Condition	73, 74, 80, 86, 141	
95	Stakeholder Engagement	NEB	Trans Mountain will provide contact information to residents, land users and Aboriginal groups that may be affected by air emissions from the tunnel construction such that they can effectively communicate any concerns.	NEB_IR_No._4.03b	Prior to Construction	Superseded by NEB Condition	85	

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115	Stakeholder Engagement	Canadian Parks and Wilderness Society - BC Chapter	A full report of all workshop feedback will be included in Consultation Update No. 2 which will be provided to the NEB in Q3 2014.	CPAWS_IR_No._1.2.3.3	Prior to Construction	Complete		Consultation Update No. 2 (January 1 to April 30, 2014) included the details of BC Parks Engagement during that reporting period (as referenced in Section 1.5.3 of the Update). Consultation Update No. 3 (May 1 to December 31, 2014) included additional details of BC Parks Engagement during that reporting period (as referenced in Section 1.11.1 of the Update).
116	Stakeholder Engagement	City of Abbotsford	The Project construction communication and notification program will be developed in consultation with the City of Abbotsford and its constituents.	City_of_Abbotsford_IR_No. 1.26a	Prior to Construction	In Progress		
117	Stakeholder Engagement	City of Burnaby	Prior to construction, Trans Mountain will undertake a communications and notification program to ensure local businesses and members of the public are made aware of potential construction impacts.	City_Burnaby_IR_No._1.33.27d	Project Lifecycle	Superseded by Management Plan		
119	Stakeholder Engagement	City of Burnaby	Trans Mountain will develop a Communications and Notification Program identifying geographic communication areas, in consultation with local governments.	City_Burnaby_IR_No._02.04a	Project Lifecycle	Superseded by Management Plan		
120	Stakeholder Engagement	City of Burnaby	Trans Mountain's engagement is ongoing. In particular Trans Mountain will continue to meet with stakeholders who will be impacted by the Trans Mountain Expansion Project to understand and mitigate their concerns where possible. Trans Mountain remains committed to ongoing dialogue and mitigation of issues with its neighbours as the proposed Project proceeds.	City_Burnaby_IR_No._1.31.01d	Project Lifecycle	In Progress		
121	Stakeholder Engagement	City of Port Moody	Trans Mountain will continue to engage with the City of Port Moody, including continuing to share updated project information and addressing concerns about the proposed Trans Mountain Expansion Project as they arise.	City_of_Port_Moody_IR_No .1.2.1c	Project Lifecycle	In Progress		
124	Stakeholder Engagement	NEB	As part of a commitment to keep stakeholders informed of project activities, Trans Mountain has continued to provide project updates, maintain an active website, phone line and email address. Trans Mountain will continue to seek opportunities to build awareness of the digital engagement platform throughout the project's development.	Pre-Application Project Description, pp 58, 59.	Project Lifecycle	In Progress		
125	Stakeholder Engagement	NEB	During construction Trans Mountain will provide advanced and ongoing notification to users of the area to ensure they are fully aware of the activities that will occur and are occurring. Should the Project affect recreational users' infrastructure during construction, mitigation processes will ensure the infrastructure is left in the same, if not better condition.	Application Volume 5B, 3-11.	During Construction	Superseded by Management Plan		
126	Stakeholder Engagement	NEB	Trans Mountain anticipates initiating Community Readiness Engagement in Q4 of 2014, which will focus on engaging local First Nations, community interest groups, economic development organizations, local governments, and municipal or provincial authorities in communities most closely linked to workforce hosting.	NEB_IR_No._1.16a	Prior to Construction	In Progress		
129	Stakeholder Engagement	NEB	Trans Mountain will continue to reach out to schools offering presentations or meetings to discuss potential concerns.	NEB_IR_No._2.008a	During Operations	In Progress		
137	Stakeholder Engagement	City of Abbotsford	Trans Mountain will hold discussions with Sumas Canal owner/operator to establish if there any plans for its development and this will be considered in finalizing crossing depth during detailed engineering and design phase.	City_of_Abbotsford_IR_No. _1.17e	Prior to Construction	In Progress		

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147	Stakeholder Engagement	City of Burnaby	Trans Mountain is willing to meet with the City of Burnaby to discuss planned and proposed projects or upgrades to municipal infrastructure to inform the design of the proposed pipeline Project.	City_Burnaby_IR_No._1.33.16q, City_Burnaby_IR_No._1.33.16s, City_Burnaby_IR_No._1.33.15d, City_Burnaby_IR_No._1.43.04a	Prior to Construction	In Progress		
151	Stakeholder Engagement	City of Burnaby	Trans Mountain will continue to engage with the City of Burnaby, including continuing to share updated project information, incorporating input and addressing concerns about the proposed Project as they arise. Should the City of Burnaby have feedback, Trans Mountain would welcome an opportunity to meet with the City, at a mutually convenient time, to discuss engineering design standards.	City_Burnaby_IR_No._1.33.07a	Project Lifecycle	Superseded by NEB Condition	14, 49	
172	Stakeholder Engagement	Metro Vancouver	Trans Mountain is committed to respectful, transparent and collaborative interactions with Metro Vancouver during the detailed engineering and construction planning phase and will continue to share updated project information and address Metro Vancouver's concerns about the TMEP as they arise.	Metro_Vancouver_IR_No._1.1.3.07a	Project Lifecycle	Superseded by NEB Condition	14, 49	
178	Stakeholder Engagement	Regional District of Fraser-Fort George	Trans Mountain commits to continued consultation with the Village of Valemount and the Regional District to discuss planned or proposed municipal upgrades to infrastructure.	RD_of_Fraser-Fort_George_IR_No._1.12j	Prior to Construction	Superseded by NEB Condition	49	
179	Stakeholder Engagement	Regional District of Fraser-Fort George	Trans Mountain commits to full communication and co-operation with Valemount in coordinating, so as to eliminate or reduce construction disruptions to the Valemount Glacier Destination Resort.	RD_of_Fraser-Fort_George_IR_No._1.05a	Prior to Construction	Complete		
256	Stakeholder Engagement	NEB	The Project will endeavour to work its construction schedule around such community events to the greatest extent possible. Trans Mountain will be implementing a range of measures to reduce disturbance to community assets and events. Key mitigation measures include: avoiding important community features and assets during right-of-way finalization; narrowing the right-of-way in select areas; scheduling construction to avoid important community events, where possible; communication of construction schedules and plans with community officials; and other ongoing consultation and engagement with local and Aboriginal governments.	Part 2 – Consultation Update No. 1, 2-54	During Construction	In Progress		
300	Stakeholder Engagement	City of Burnaby	If contaminated soil is encountered during construction, Trans Mountain will implement the Contamination Discovery Contingency Plan as identified in Section 5.2.4 of Volume 5A and Section 1, Appendix B of Volume 6B.	City_Burnaby_IR_No._1.43.03f	Prior to Construction	Superseded by NEB Condition	72, 78, 81	
308	Stakeholder Engagement	City of Port Moody	Trans Mountain will meet with the City of Port Moody to discuss potential ecological enhancement opportunities for the Port Moody Arm area of Burrard Inlet.	City_of_Port_Moody_IR_No._1.4.2b	Prior to Construction	Complete		
436	Stakeholder Engagement	NEB	Those potentially affected by air emissions from the Edmonton Terminal, including residents, land users, and Aboriginal groups, will be provided with contact information for use in the event there are concerns about such air emissions.	NEB_IR_No._1.34e	Prior to Operations	Superseded by NEB Condition	79	
457	Stakeholder Engagement	NEB	During construction Trans Mountain will provide advanced and ongoing notification to users of the area to ensure they are fully aware of the activities that will occur and are occurring.	Technical Update No. 1 & Consultation Update No. 2 - Part 2 Table 1.6.2-1	Project Lifecycle	Superseded by Management Plan		

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537	Stakeholder Engagement	Simon Fraser University	Trans Mountain will ensure that construction plans including construction schedule and traffic management plans will be communicated with SFU in a timely manner.	SFU_IR_No._2.1.7	Prior to Construction	In Progress		
540	Stakeholder Engagement	NEB	Trans Mountain will consult with owners and operators of Merritt, Kamloops and Blue River airports as part of Community Readiness Engagement and will continue throughout the Project planning and potential construction phases as more information becomes available.	NEB_IR_No._2.014	During Construction	Complete		
542	Stakeholder Engagement	NEB	Trans Mountain will continue to conduct open proactive engagement with adjacent communities with respect to future land use developments.	NEB_IR_No._4_33b.2	Prior to Construction	Superseded by NEB Condition	14, 49	
553	Stakeholder Engagement	Environment Canada	Trans Mountain will engage tourism operators in the Jasper National Park area pertaining to the reactivation of the existing pipeline segment between Hinton, AB and Hargreaves Station, BC through Jasper National Park.	GoC_EC_IR_No._2.147	Prior to Construction	Complete		
571	Stakeholder Engagement	City of Abbotsford	Trans Mountain commits to working with the City of Abbotsford to define a terms of reference defining the roles, responsibilities, and appropriate timelines related to ongoing engagement activities as the Project proceeds through detailed engineering, construction planning and in-service; should the proposed project be approved.	City_of_Abbotsford_IR_No._2.1.02a/b	Project Lifecycle	Superseded by NEB Condition	14, 49	
572	Stakeholder Engagement	City of Abbotsford	As with all parties affected by its proposed Project, Trans Mountain is committed to continuing open and transparent dialogue with the City of Abbotsford throughout detailed project design, construction and operations to ensure that Trans Mountain's activities have as little impact as possible on neighbouring residents, businesses and institutions. In keeping with this commitment, Trans Mountain will continue to meet with the City of Abbotsford in 2015 as construction planning advances to continue discussing any interests or concerns the City of Abbotsford might have regarding the design, construction and operations of the proposed Project.	City_of_Abbotsford_IR_No._2.1.02	Project Lifecycle	In Progress		
589	Stakeholder Engagement	City of Abbotsford	Trans Mountain commits to the City of Abbotsford that if some of the feedback is not reflected in the final design, Trans Mountain will be open and transparent with the City on rationale for the decision.	City_of_Abbotsford_IR_No._2.4.17a	Prior to Construction	Superseded by NEB Condition	14, 49	
593	Stakeholder Engagement	City of Abbotsford	As part of ongoing Engagement, Trans Mountain will undertake engagement and communications activities in Project route communities regarding constructions plans, anticipated impacts and effects of construction and mitigation measures to reduce the negative impacts of construction on local communities.	City_of_Abbotsford_IR_No._2.2.03b	During Construction	In Progress		
612	Stakeholder Engagement	City of Burnaby	Trans Mountain will undertake engagement and communications activities in Project route communities regarding constructions plans, anticipated impacts and effects of construction and mitigation measures to reduce the negative impacts of construction on local communities.	City_Burnaby_IR_No._2.060b	Project Lifecycle	Superseded by Management Plan		
626	Stakeholder Engagement	City of Burnaby	Trans Mountain is willing to work with the City of Burnaby collaboratively to develop an approach to construction that minimizes potential impacts on the Barnet Escarpment Urban Trail.	City_Burnaby_IR_No._2.100	Prior to Construction	Complete		
633	Stakeholder Engagement	City of Burnaby	Trans Mountain commits to engaging with local government, Eagle Creek Streamkeepers, park users and other interest groups regarding proposed activities in local parks and sensitive areas along with associated Environmental mitigation and reclamation plans for restoring the area.	City_Burnaby_IR_No._2.134	Project Lifecycle	In Progress		

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636	Stakeholder Engagement	City of Burnaby	Trans Mountain commits to continue to meet with Metro Vancouver as construction planning advances to continue discussing any interests or concerns Metro Vancouver might have regarding the design, construction and operations of the proposed Project.	City_Burnaby_IR_No._2.136	Project Lifecycle	Superseded by NEB Condition	14, 49	
640	Stakeholder Engagement	City of Coquitlam	As part of Trans Mountain's commitment to ongoing engagement, it will continue to engage with the United Boulevard business area regarding constructions plans.	City_of_Coquitlam_IR_No._2.A; City_of_Coquitlam_IR_No._1.B.3	Prior to Construction	Complete		
642	Stakeholder Engagement	City of Coquitlam	Trans Mountain will coordinate with City of Coquitlam in developing and executing a protocol agreement for construction of TMEP within the City of Coquitlam.	City_of_Coquitlam_IR_No._2.D	Prior to Construction	Complete		
646	Stakeholder Engagement	NEB	Trans Mountain will hold two information sessions with commercial fishers and vessel operators in conjunction with Pacific Pilotage Authority (PPA) in Vancouver and Victoria.	NEB_IR_No._3.007	Prior to Operations	Superseded by NEB Condition	131	
654	Stakeholder Engagement	City of Kamloops	Trans Mountain will conduct engagement with municipal governments and community stakeholders in hub communities to discuss worker accommodation options and strategies.	City_of_Kamloops_IR_No._2.09	Prior to Construction	Superseded by NEB Condition	59	
655	Stakeholder Engagement	City of Kamloops	Trans Mountain will continue to update the Kamloops Hotel Association as more information about workforce housing projections and timelines becomes available.	City_of_Kamloops_IR_No._2.09	Prior to Construction	In Progress		
656	Stakeholder Engagement	City of Kamloops	Trans Mountain will arrange procurement open houses or workshops at various local and regional locations in Spread 1, to present potential supply opportunities to the project.	City_of_Kamloops_IR_No._2.11	Prior to Construction	Complete		
678	Stakeholder Engagement	City of Port Moody	Trans Mountain is committed to engaging with Port Moody going forward and will invite the City and its constituents to future engagement opportunities.	City_of_Port_Moody_IR_No._2.2.1	Project Lifecycle	In Progress		
700	Stakeholder Engagement	City of Surrey	Trans Mountain will continue to share the results of any new studies or work being completed and communicate any changes or updates to Project plans with the City of Surrey.	City_of_Surrey_IR_No._2.1.1.a.i	Project Lifecycle	Superseded by NEB Condition	14, 49	
723	Stakeholder Engagement	Township of Langley	Trans Mountain intends to consult with the Township of Langley regarding changes to the Township's parks, and minimizing construction damage, vehicle use and parking within the Township parks.	Langley_IR_No._2.18.a	Prior to Construction	Superseded by NEB Condition	14, 49	
822	Stakeholder Engagement	Fraser Valley Regional District	Trans Mountain commits to providing the Fraser Valley Regional District (FVRD) with a link to the progress reports on the NEB website and notifying the district prior to conducting work in the FVRD.	FVRD_IR_No._2.16	During Construction	Scoping		
825	Stakeholder Engagement	Fraser Valley Regional District	Trans Mountain Pipeline ULC (Trans Mountain) commits to provide the Fraser Valley Regional District (FVRD) with monthly odour and air quality complaint reports during construction of the Trans Mountain Expansion Project within the FVRD geographical boundary.	FVRD_IR_No._2.17a, FVRD_IR_No._2.17b	During Construction	Scoping		
838	Stakeholder Engagement	Corporation of the City of Victoria	Trans Mountain commits to consult with coastal communities on a community benefits program focused on marine spill response.	City_of_Victoria_No._2.2	Prior to Operations	Complete		
899	Stakeholder Engagement	Wembley Estates Strata Council	Trans Mountain commits that it will assign construction liaison roles as part of its construction team as a key point of contact for those impacted by its construction work.	Wembley_Estates_IR_No._2.1	During Construction	Scoping		
925	Stakeholder Engagement	Simon Fraser University	Trans Mountain commits to engaging with SFU on construction schedule and activities including traffic management.	SFU_IR_No._2.1.7	Project Lifecycle	In Progress		



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926	Stakeholder Engagement	Landowner - Dr. Karen Kavanagh	Trans Mountain commits to notifying Dr. Karen Kavanagh a minimum of one week prior to starting tunneling operations to discuss the tunnel boring activities, timing and duration to her research schedule.	NEB_Route_Hearing_Decision_Seg_7_Burnaby_Sec_3	During Construction	Superseded by TMEP Notification Task Force Program		
934	Stakeholder Engagement	Landowner - David John Huntley; NEB	Trans Mountain commits to making the vibration and noise management / monitoring programs part of the construction notification program.	NEB_Route_Hearing_Transcript_Seg_7_Vol_5_para_3506,3524 NEB_Route_Hearing_Decision_Seg_7_Huntley_Sec_7	During Construction	Superseded by Management Plan		
994	Stakeholder Engagement	C.G.L.A.P. - Collaborative Group of Landowners Affected by Pipelines	Trans Mountain will provide Landowners a schedule of work to be conducted on their lands, at least 21 days in advance of the start of construction.	CGLAP_IR_No._2.9d	Project Lifecycle	Superseded by TMEP Notification Task Force Program		
1,028	Stakeholder Engagement	Regional District of Fraser-Fort George	As part of the Worker Code of Conduct, Trans Mountain will develop guidance for workers outlining appropriate, as well as prohibited, off-site recreational pursuits, use areas, and services in construction hub communities including the Village of Valemount.	RD_of_Fraser-Fort_George_IR_No._1.04a	During Construction	In Progress		
1,164	Stakeholder Engagement	Fraser Valley Watersheds Coalition	Trans Mountain will engage with the Fraser Valley Watersheds Coalition during detailed design phase to evaluate alignment options to cross Stewart Creek (Slough) to minimize disturbance of existing restoration works.	FVWC_IR_No._1.4.1	Prior to Construction	In Progress		
1,439	Stakeholder Engagement	Township of Langley	Trans Mountain is committed to respectful, transparent and collaborative interactions with the Township of Langley. Trans Mountain will continue to engage with the community, including continuing to share updated project information and addressing concerns about the proposed Trans Mountain Expansion Project as they arise.	Langley_IR_No._1.12d	Project Lifecycle	In Progress		
1,641	Stakeholder Engagement	NEB	Trans Mountain will notify potentially affected local and regional governments and landowners about the proposed final Fraser Valley/Cheam camp location, with the invitation to provide comments on the final location.	NEB_Cond_IR_No._54.3	Prior to Construction	In progress		
1,650	Stakeholder Engagement	Sto:lo Collective	As noted in section 8.4.11 of the Socio-Economic Management Plan in Appendix C of Volume 6B (Filing ID A3S2S3), Trans Mountain is committed to establishing a process by which community members can raise complaints or concerns related to Project activities or workers. Trans Mountain will ensure this process includes protocols for timely follow-up by Trans Mountain and/or its Contractors and transparent issue resolution. Trans Mountain will communicate this process to communities.	Sto:lo Collective Recommendation #74	During Construction	Superseded by NEB Condition	13	
1,693	Stakeholder Engagement	NEB	Trans Mountain commits to hosting a public information session in Abbotsford to update stakeholders and members of the public about the Project approval and seek input into construction plans and schedules, in May 2017.	Route_Variance_Sumas_Tank_Farm_Application_pg7	Prior to Construction	In Progress		
1,709	Stakeholder Engagement	Environment Canada	Trans Mountain will engage tourism operators in the Jasper National Park area pertaining to the reactivation of the existing pipeline segment between Hinton, Alberta and Hargreaves Station, BC through Jasper National Park.	GoC_EC_IR_No._2.147	Project Lifecycle	In Progress		

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1,729	Stakeholder Engagement	NEB	Trans Mountain commits to consulting with City of Chilliwack on mitigation measures to reduce the risk of third party damage, such as increasing minimum depth of cover to 1.2 meters and potentially installing a concrete slab between TMEP pipeline at crossings of buried utilities (where construction is open cut).	Route_Variance_Chilliwack_BC_Hydro_NEB_IR_5.4c	Prior to Construction	Scoping		
1,730	Stakeholder Engagement	NEB	Trans Mountain commits to reporting to the NEB the results of its consultation with the City of Chilliwack on mitigation measures to reduce the risk of third party damage.	Route_Variance_Chilliwack_BC_Hydro_Decision_pg14	Prior to Construction	Scoping		
1,762	Stakeholder Engagement	Landowners - Burnaby Residents (Holly Chan, Steve Cook, Karim and Anar Dossa, Lily and Frank Fan, Claudia Leung and Michael Radano)	Trans Mountain is committed to sharing information on construction plans and reclamation plans directly with the Burnaby Residents.	NEB_Route_Hearing_Decision_Seg_7_BurnabyResidents_Sec_2.3	During Construction	Addressed by Construction Line List		
1,765	Stakeholder Engagement	City of Burnaby	Trans Mountain commits to continuing to engage and remaining open to discussions with Burnaby around opportunities for improved mitigation and reclamation enhancement as part of detailed construction planning.	NEB_Route_Hearing_Decision_Seg_7_CityofBurnaby_Sec_9	Prior to Construction	In Progress		
1,766	Stakeholder Engagement	City of Burnaby	Trans Mountain commits to continuing conversations through its Technical Working Groups about proposed mitigation for all fish-bearing streams Trans Mountain would impact in Burnaby.	NEB_Route_Hearing_Decision_Seg_7_CityofBurnaby_Sec_9	Project Lifecycle	Superseded by NEB Condition	14, 49	
1,941	Stakeholder Engagement	Sto:lo Collective	Trans Mountain will communicate with local health authorities, emergency medical service authorities, social service authorities on the timing of the Project, duration of stay in the local community, expected number of people coming into the area and on-site health care plans.	Sto:lo Collective Recommendation #79, #80, #81	Prior to Construction	Complete		
2,511	Stakeholder Engagement	City of Burnaby	Prior to construction Trans Mountain will undertake a communications and notification program to ensure local businesses and members of the public are made aware of potential construction impacts including lane restrictions, road closures, and alternate access plans.	Reply Evidence 6.2 Stakeholder Engagement - p5 - line 24, City Burnaby IR No. 1.34.04e	During Construction	Superseded by Management Plan		
2,836	Stakeholder Engagement	City of Kamloops	Prior to Construction, Trans Mountain will arrange procurement open houses or workshops at various local and regional locations, in Spreads 2, 3, 4 and 7, to present potential supply opportunities to the project.	City of Kamloops_No._2.11	Prior to Construction	Complete		
3,577	Stakeholder Engagement	NEB	Trans Mountain will make the Worker Code of Conduct available to communities and local authorities where workers will be accommodated or where temporary camps will be located.	NEB_IR_No._1.16c	During Construction	Complete		
3,799	Stakeholder Engagement	Town of Edson	Trans Mountain will provide a Community Liaison to be located within community and will consider regular monthly meetings with identified stakeholders during construction.	Non-Regulatory Commitment	During Construction	Complete		
3,805	Stakeholder Engagement	Village of Valemount	Trans Mountain will provide advance notice of loss of access to backcountry roads (recreation – ATV and snowmobiles) as part of the Traffic Management Plan.	Non-Regulatory Commitment	During Construction	Scoping		
3,806	Stakeholder Engagement	City of Merritt; Merritt Chamber of Commerce	Trans Mountain will provide a Community Liaison within the community (not construction office) to manage inquiries and ease access during construction.	Non-Regulatory Commitment	During Construction	In Progress		

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3,808	Stakeholder Engagement	Workshop Participants	Trans Mountain will provide a Community Liaison for community complaints during construction. The Community Liaison role will include specific response timeframes for telephone and web contacts; published reports that include nature of complaint, response provided, action completed, and timeframe.	Non-Regulatory Commitment	During Construction	Scoping		
3,810	Stakeholder Engagement	Workshop Participants	Trans Mountain will provide chicken farmers with advance notification of construction to minimize sensory disturbance to birds.	Non-Regulatory Commitment	During Construction	In Progress		
3,811	Stakeholder Engagement	Workshop Participants	Trans Mountain will provide a community liaison to provide a direct link to local governments.	Non-Regulatory Commitment	During Construction	Scoping		
3,812	Stakeholder Engagement	Jasper Park Chamber of Commerce	Trans Mountain will provide advanced notification about construction and workforce loading to the Jasper Chamber of Commerce.	Non-Regulatory Commitment	Prior to Construction	Superseded by Management Plan		
3,814	Stakeholder Engagement	City of Abbotsford	Trans Mountain will provide City of Abbotsford with copy of communication and notification plan for Sandy Hill neighbourhood when available.	Non-Regulatory Commitment	Prior to Construction	In Progress		
3,973	Stakeholder Engagement	NEB	Trans Mountain commits to continuing to update and execute components of the Marine Public Outreach Plan annually, and filing the results of the outreach efforts as part of the Condition 131 filing with the NEB, anticipated in 2019.	NEB_Cond_IR_No._9.6	Prior to Operations	Superseded by NEB Condition	48	
4,002	Stakeholder Engagement	NEB	Trans Mountain commits to filing an updated summary of its consultation with Aboriginal groups, the Appropriate Government Authorities, and potentially affected landowners/tenants, on all ambient monitoring requirements, including the location of monitoring stations.	NEB_Cond_IR_No._32.4	During Construction	Scoping		
4,006	Stakeholder Engagement	City of Kamloops	Prior to Construction, Trans Mountain will arrange procurement open houses or workshops at various local and regional locations in Spread 5A, to present potential supply opportunities to the project.	City of Kamloops_No._2.11	Prior to Construction	In Progress		
4,007	Stakeholder Engagement	City of Kamloops	Prior to Construction, Trans Mountain will arrange procurement open houses or workshops at various local and regional locations in Spread 5B, to present potential supply opportunities to the project.	City of Kamloops_No._2.11	Prior to Construction	In Progress		
4,008	Stakeholder Engagement	City of Kamloops	Prior to Construction, Trans Mountain will arrange procurement open houses or workshops at various local and regional locations in Spread 6, to present potential supply opportunities to the project.	City of Kamloops_No._2.11	Prior to Construction	In Progress		
4,023	Stakeholder Engagement	NEB	Trans Mountain will document Community Readiness Engagement in a consultation update which will be submitted to the National Energy Board (NEB).	NEB_IR_No._1.16a	During Construction	Superseded by BC EAO	14	
14	Supply Chain Management	Ermineskin Cree Nation; Kelly Lake Cree Nation; Kwantlen First Nation; Samson Cree Nation; Sucker Creek First Nation; Whitefish (Goodfish) Lake First Nation #128	In addition to the Employment Policy and the Education and Training Policy, Trans Mountain will developed a Project-specific Procurement Policy, which indicates that the Project is committed to maximize the use of local, regional, Aboriginal, provincial and Canadian businesses during the construction and operation of the Project.	Nations_IR_No._1.1.5e	Prior to Construction	Complete		Trans Mountain's Aboriginal Procurement Policy is complete.
83	Supply Chain Management	NEB	Environmental requirements will be incorporated into and contract documents related to the Project.	Application Volume 6A, 2-1.	Prior to Construction	Complete		

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440	Supply Chain Management	Ken Klakowich; Robyn Allan	As included in the Application, Volume 5B, Section 7.0: Socio-Economic Effects Assessment, page 191 the Project is committed to maximize the use of local, regional, Aboriginal, provincial and Canadian businesses during the construction and operation of the Project.	Allan_R_IR_No._1.15_bb, Klakowich_K_IR_No._1.4.0, Klakowich_K_IR_No._1.4.3	During Construction	In Progress		
441	Supply Chain Management	Ermieskin Cree Nation; Kelly Lake Cree Nation; Samson Cree Nation; Sucker Creek First Nation; Whitefish (Goodfish) Lake First Nation #128	Trans Mountain will require all contractors to comply with Environmental health and safety policies and procedures that will form part of the Project construction contracts.	Nations_IR_No._1.3.6d	During Construction	Superseded by NEB Condition	64	
442	Supply Chain Management	Ermieskin Cree Nation; Kelly Lake Cree Nation; Samson Cree Nation; Sucker Creek First Nation; Whitefish (Goodfish) Lake First Nation #128	With respect to sole source and/or preferred source contracts, Trans Mountain will utilize direct awards, limited competitive bidding and inclusion of Aboriginal content as stated in the Trans Mountain Aboriginal Procurement Policy (Volume 3B, Appendix G).	Nations_IR_No._1.1.5p	Prior to Operations	In Progress		
447	Supply Chain Management	NEB	To ensure that procurement opportunities will be accessible for Aboriginal communities and businesses, Trans Mountain has developed, an Aboriginal Procurement Policy. The policy provides guidance and allowances for facilitating Aboriginal participation in the Project. Once finalized, the content will be used in conjunction with the procurement and workforce development opportunities, and a plan will be created with interested communities for the realization of employment benefits with both Trans Mountain and prime contractors during the Project.	Application Volume 3B, section 1.4.2.	Prior to Construction	Complete		
448	Supply Chain Management	NEB	Trans Mountain is committed to carrying out enhancement measures that will maximize the levels of local participation in Project opportunities through <u>procurement strategies</u> .	Application Volume 5B, 7-53.	Prior to Construction	Complete		
450	Supply Chain Management	NEB	Trans Mountain will develop a Project-specific procurement policy 6 months prior to start of construction.	NEB_IR_No._1.25a	Prior to Construction	Complete		
452	Supply Chain Management	NEB	Trans Mountain will purchase Project-required goods and services from regional, Alberta and BC (Provincial) and Canadian suppliers, provided those suppliers meet the Project requirements on a best overall value basis, with added consideration for Aboriginal service providers.	Application Volume 5B, 7-191.	During Construction	In Progress		
1,067	Supply Chain Management	NEB	Substation work will be contracted to firms specializing in high voltage electrical facilities. In Alberta, the electrical utilities having jurisdiction will contract the work. In BC, Trans Mountain will contract the work.	Application Volume 4B -45.	Prior to Construction	Complete		
1,638	Supply Chain Management	Sto:lo Collective	Trans Mountain will have security in place to reduce the risk of vandalism in and around work sites. Trans Mountain welcomes the opportunity to learn about Sto:lo member security companies with this capacity. It is currently planned that the Contractors selected to complete the work will be hiring or otherwise providing subcontractors to secure the work-site during and after hours, including office complexes, equipment, etc.	Sto:lo Collective Recommendation #56	Prior to Construction	Complete		

Commitment ID	Team Responsible for Commitment	Commitment Made To	Commitment Description	Source(s) of Commitment	Project Stage for Implementation of Commitment	Commitment Status	Superseded by NEB Final Condition (x) Number	Additional Comments (Can be published with NEB)
1,875	Supply Chain Management	NEB	Trans Mountain will work with Contractors to give first consideration to qualified regional suppliers of goods and services, where practical and in conformance with procurement policies.	Application Volume 5B, 7-191.	Prior to Construction	Complete		
2,627	Supply Chain Management	NEB	Trans Mountain will ensure all contracts, service agreements and materials that are not deemed critical to sustain the Project will first be sought from regional resources.	Application Volume 5B s. 7.2.7.6 p7-190	Prior to Construction	Superseded by Management Plan		
3,579	Supply Chain Management	Ermineskin Cree Nation; Kelly Lake Cree Nation; Samson Cree Nation; Sucker Creek First Nation; Whitefish (Goodfish) Lake First Nation #128	Trans Mountain is committed to 'make best efforts' and will maximize procurement opportunities with Aboriginal groups engaged with the Project. Trans Mountain will develop a Project-specific Procurement Policy, which indicates that the Project is committed to maximize the use of local, regional, Aboriginal, provincial and Canadian businesses during the construction and operation of the Project.	Nations_IR_No._1.1.5e	Prior to Construction	Complete		Trans Mountain's Aboriginal Procurement Policy is complete.
3,589	Supply Chain Management	Sto:lo Collective	Trans Mountain will have security in place to reduce the risk of vandalism in and around work sites. Trans Mountain welcomes the opportunity to learn about Sto:lo member security companies with this capacity. It is currently planned that the Contractors selected to complete the work will be hiring or otherwise providing subcontractors to secure the work-site during and after hours, including office complexes, equipment, etc.	Sto:lo Collective Recommendation #56	Prior to Construction	Complete		
3,590	Supply Chain Management	Sto:lo Collective	Trans Mountain will have security in place to reduce the risk of vandalism in and around work sites. Trans Mountain welcomes the opportunity to learn about Sto:lo member security companies with this capacity. It is currently planned that the Contractors selected to complete the work will be hiring or otherwise providing subcontractors to secure the work-site during and after hours, including office complexes, equipment, etc.	Sto:lo Collective Recommendation #56	Project Lifecycle	Complete		