

| Summary of City of Hamilton Specific Concerns   | NEB Conditions Addressing City of Hamilton Concerns   |
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| <b>PIPELINE INTEGRITY AND FINANCIAL CONCERNS</b>  |   |
| <i>The NEB has imposed a number of concerns addressing pipeline integrity, however, the Board did not impose a condition requiring Enbridge to provide additional financial assurance. The view of the majority of the Board was that Enbridge has sufficiently demonstrated it has the financial capability to meet its obligations arising from an incident as a result of the Line 9B Project.</i>   |   |
| Pipeline Integrity – issues relating to system operations, amendments to Line 9 Rules and Regulations, pipeline construction, integrity management and integration of threats, and the Enbridge Integrity Management Program.   | 9, 10, 11, 15, 16, 17, 19, 27, 28   |
| Financial Assurance – allocation of financial responsibility for costs that may be incurred for emergency response, clean-ups and other required action, such as evacuation in the event of a spill, particularly costs which may be in excess of Enbridge’s commercial liability insurance coverage limits.  | No specific conditions imposed.   |
| <b>EMERGENCY RESPONSE CONCERNS</b>  |   |
| <i>The NEB has imposed a number of conditions relating to emergency response concerns raised by the City, however, some concerns have only been partially addressed as indicated below. Some of the City’s specific concerns will be addressed based on compliance of the NEB conditions if Enbridge responds to the conditions directing them to comply with Annex A of the Guidance Notes for the National Energy Board Onshore Pipeline Regulations in a comprehensive and transparent manner.</i> |   |
| Pipeline Performance: Leakage, Rupture and Replacement  | 12, 13, 14  |
| Enbridge Safety Initiatives   | 12, 13, 14  |
| Enbridge’s Emergency Response Book  | 13, 14, 20<br>Partially addressed – Fire department would like to see Enbridge expand upon the specific roles within the Unified Command Structure.   |
| Emergency Response and Control Measures   | 12, 13, 14  |
| Lessons Learned from Recent Failures  | 14, 26  |
| Emergency Response Spending   | 18, 20<br>Partially addressed – Condition 18 speaks to major watercourse crossings. Fire department needs to see how Enbridge views watercourses in the City before they can adequately evaluate this area. |
| Spill Prevention, Response, Management, Monitoring  | 7, 13, 14, 16<br>Partially Addressed.   |

| <b>SOURCEWATER PROTECTION CONCERNS</b>   |  |
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| <i>The NEB has imposed a number of conditions relating to Source Water Protection concerns raised by the City, however, the concerns have only been partially addressed through preventative measures. Some of the City's specific concerns will be addressed based on NEB Condition 6 that Enbridge shall complete a Project-specific Environmental Protection Plan.</i>  |  |
| Include appropriate design standards, monitoring and maintenance practices to prevent a pipeline from becoming a significant drinking water threat.  | 6, 9, 13, 16(b), 18<br>Partially addressed.  |
| Conduct inline pipeline integrity testing and visual inspections every three years where pipelines cross open water bodies.  | 12<br>Partially addressed – Condition 12 – it is not clear to staff how frequently leak detection system exercises will occur at this point. A proactive approach by Enbridge in conjunction with the education program would help to address the City's concerns.   |
| For significant threats to Lake Ontario request that the Ministry of the Environment protect drinking water sources through provision of threat mapping to the Spills Action Centre for notification.  | 18, 20<br>Partially addressed.   |
| Provide notifications to the Source Protections Department of the Conservation Authorities a report of the findings and actions taken.   | 19<br>Partially addressed.   |
| Water Quality Impacts  | 16(b), 18<br>Partially addressed.  |
| <b>ENHANCEMENTS TO ADDRESS SAFETY CONCERNS</b>   |  |
| <i>The NEB has imposed a number of conditions relating to safety concerns raised by the City, however, some conditions have only been partially addressed, and the Board did not impose a condition for Enbridge to provide additional financial assurance. The view of the majority of the Board was that Enbridge has sufficiently demonstrated it has the financial capability to meet its obligations arising from an incident as a result of the Line 9B Project.</i> |  |
| Adequate emergency response measures, including but not limited, to training of local first responders, and specific plans for how Enbridge will deal with diluted bitumen in the case of a spill.   | 12<br>Partially addressed – Condition 12(h) – if Enbridge provides modelling of how a spill will spread over land/water at different times of the year, this would assist in developing and prioritizing response strategies.  |
| Coordinating and sharing of all relevant and up-to-date emergency response and maintenance and repair information with local first responders on a regular basis, as part of Enbridge's Public Awareness Program or otherwise, to ensure the most effective response to an incident or leak.   | 14, 26<br>Partially addressed – <u>Site specific</u> plans from Enbridge would help to better address the City's concerns (including maps, control and access points, details of the numbers of staff and equipment that will be brought within a specified time frame to form the tiers in Enbridge's response matrix). |

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| <p>Adequate assurance from Enbridge regarding financial responsibility for costs related to emergency response, clean-ups and any other required action in the event of a spill.</p>   | <p>No conditions imposed.</p>  |
| <p>Regular consultation with local Source Water Protection staff, including the HCA, Conservation Halton, and City of Hamilton staff to identify potential threats to drinking water quality, and sharing of Enbridge's plans or opportunity to participate in the development of plans which address any malfunctions of the pipeline or spills that may threaten drinking water safety.</p>  | <p>24, 26<br/>Partially addressed.</p>   |
| <p>Adequacy of current pipeline isolation valves in the City of Hamilton and sharing of relevant information respecting valve operation with local first responders.</p> <p>Installation of pipeline isolation valves, if not already installed, where the pipeline crosses watersheds in the City of Hamilton, including the Sheffield-Rockton Complex and other provincially-significant wetlands and environmentally-sensitive areas.</p> | <p>16<br/>Partially addressed – Clarification from Enbridge on the following issues will help staff to better evaluate whether the City's concerns have been adequately addressed:</p> <ul style="list-style-type: none"> <li>• How the anticipated maximum product release would impact an area before the isolation valves are activated.</li> <li>• Response time of valve operators to a site if the valves are manually operated.</li> <li>• Plans that identify and prioritize spill control points along any affected watercourse.</li> <li>• Access routes to the spill control points.</li> <li>• Seasonal flow rates.</li> </ul> |