

Updates to Existing Conditions Reports – December 8, 2011

Report	Updates
Transportation	<ul style="list-style-type: none"> • Addition of Appendices • Update <i>Local Movement Patterns</i> section of 4.6 <i>Gull Activity, Management and Airport Operations</i> • Update to Figure 2 <i>Gull Movement</i>
Hydrogeology Report	<ul style="list-style-type: none"> • Corrections to the April 2011 groundwater levels at W90 and W91. When the data from the August 2011 water levels were compiled, it became apparent that the earlier data from April 2011 for these monitoring wells contained transcription errors (i.e., the top of casing datum for each well was reversed). • Update to Section 2.2.3.2 <i>Direction of Groundwater Flow and Hydraulic Gradients</i> to reflect the slight change in the interpreted groundwater flow direction on the north half of the West Envelope. • Update to Sections 2.2.3.2 <i>Direction of Groundwater Flow and Hydraulic Gradients</i> and 2.2.3.4 <i>Groundwater – Surface Water Interaction</i> to incorporate results of site-wide groundwater level collection in August 2011. The August 2011 data provide additional information on seasonal variations in the water levels. Another round of water levels will be collected in the fall. • Update to Figure 9(a) <i>Stratigraphic Cross-Sections A-A' and B-B'</i> • Update to Figure 12(b) <i>Groundwater Elevations Overburden-Shallow Bedrock – April 2011</i> • Addition of Figure 12(c) <i>Groundwater Elevations Overburden-Shallow Bedrock – August 2011</i> • Update to Figure 13(b) <i>Groundwater Elevations Deep Bedrock – April 2011</i> • Addition of Figure 13(c) <i>Groundwater Elevations Deep Bedrock – August 2011</i>
Surface Water	<ul style="list-style-type: none"> • Update to Section 3.1 <i>Available Secondary Source Information Collection and Review</i> • Update to Section 4.1.1 <i>Water Quantity</i> regarding 2011 monitoring and results • Update to Section 4.1.2 <i>Water Quality</i> regarding 2011 monitoring and results • Update to Table 2 <i>Surface Water - Water Quality Results 2006 and 2011</i> • Update to Section 4.2 <i>Stormwater Management Facilities</i> • Update to Figure 2 <i>Surface Water</i> • Addition of Figure 3 <i>Monitoring Stations</i> • Addition of Appendix B <i>Surface Water Quality – Monitoring Results</i>

Land Use	<ul style="list-style-type: none"> • Update to the Land Use study team • Clarification within Section 2.3 <i>Regional Study Area</i> • Update to Table 1 – bolding of the word ‘cemeteries’ • Section 5.4.1.3 <i>General Rural Area</i> – bolding of the word ‘cemeteries’ • Section 5.4.1.8 <i>General Rural Area</i> – bolding of the word ‘cemeteries’ • Section 5.4.3 <i>Site-Vicinity Study Area</i> – edits to text • Section 5.4.4 <i>Regional Study Area</i> – edits to text • Update to Table 2 – bolding of commercial use buildings • Section 5.5.2 <i>Site-Vicinity Study Area</i> – edits to text
Agriculture	<ul style="list-style-type: none"> • Edit to text in Section 4.1 <i>Landfill Envelope 1 (LE-1)</i> • Edit to text in Section 5 <i>Conclusion</i>
Biology	<ul style="list-style-type: none"> • Update to Table 1 – 2011 Field Investigations • Addition of water temperature and description of August 2 and 3 field work in Section 3.2.1 <i>Process Undertaken</i> • Update to field investigations dates in Section 3.2.2 <i>Vegetation, Amphibians and Bird Surveys</i> • Update to the Western Project Envelope section of Section 4.1, including clarification of tributary names, as per GRT comment. • Removal of “Wetlands Within the On-Site Study Area” section in 4.2.1. • Updates to Section 4.2.2 <i>Flora</i> • Update to Section 4.2.3.1 <i>Birds</i> regarding Boblink and June 16 field investigation. • Addition of Section 4.3 <i>Natural Heritage Designations</i> • Update to Section 4.4 <i>Landscape Connectivity</i> • Update to Section 5.1 <i>Aquatic Surveys</i> • Update to Section 5.2 <i>Terrestrial Surveys</i> • Removal of Section 6 <i>Recommendations/ Further Work</i> • Updates to Appendices B and C based on June 2011 field investigations • Removal of Figure 9 (identical to Figure 8) • Renaming of Figures 4 – 8 to rectify mislabeled dates • Renumbering of Figures 10 – 13 (now Figures 9 – 12) to accommodate removal of Figure 9

	<ul style="list-style-type: none"> • Update to Figure <i>Fish Habitat Classification</i> • Update to Figure <i>Vegetation Communities</i> • Update to Figure <i>Wildlife and Aquatic Features</i>
Socio-Economic	<ul style="list-style-type: none"> • Update to Section 4.3 <i>Visual Assessment</i> • Addition of viewpoint to Figure 5, as per GRT request
Landfill Gas	<ul style="list-style-type: none"> • Update to Section 1 – <i>Introduction</i> to describe the data that has been added to address initial comments received from the Government Review Team • Update to Section 1.1 – <i>Contaminants of Interest</i> indicating that the Haul Route Baseline Report contains information on combustion parameters from flares and generators • Update to Section 1.2 – <i>Applicable Guidelines</i> • Update to Section 1.3 – <i>Emission Sources</i> indicating the inclusion of a source summary table for each emission source. • Update to Section 2 – <i>Landfill Footprint Study Areas</i> describing the receptors and modelling parameters used • Update to Section 3.1 – <i>Available Secondary Source Information Collection and Review</i> addition of reference to VOC Emission Rates Calculation • Update to Section 3.2.1 – <i>Landfill Gas Emission Rate Calculations</i> describing 2004 and 2011 sampling and data comparison • Update to Section 3.2.2 – <i>Landfill Gas Calibration Factor</i> describing the vinyl chloride and hydrogen sulphide calibration factors • Update to Section 3.2.3.3 – <i>Meteorological Data</i> • Update to Section 3.2.3.4 – <i>Area of Modelling</i> • Complete update to Section 4 – <i>Landfill Gas Baseline Condition</i> and Section 5 – <i>Conclusions</i>
Noise	No updates
Odour	No updates
Particulate Matter	No updates
Archaeology	No updates
Cultural Heritage	No updates