SCHEDULE 06 – Renewable Energy Approval Condition H

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H - STORMWATER MANAGEMENT, EROSION AND SEDIMENT CONTROL AND SURFACE WATER MONITORING

H1. The Company shall prepare and submit using current best management practices, a site-specific stormwater management plan and erosion and sediment control plan for the construction, installation, use, operation, maintenance and retiring of the Facility and the Facility (Concrete Plant) to the Director and the District Manager at least one month prior to the commencement of construction of the Facility and the Facility (Concrete Plant).

H2. The Company shall not commence construction of the Facility and the Facility (Concrete Plant) until the site-specific stormwater management plan and erosion and sediment control plan has been approved in writing by the Director. Any required installations will be in place prior to construction.

H3. The site-specific stormwater management plan and erosion and sediment control plan shall:

(1) Include details on erosion, sediment, stormwater management, spill control, and response plan for all construction-related activities for the Facility and the Facility (Concrete Plant);

(2) Be prepared by a Professional Engineer;

(3) Comply with the Ministry's Guideline B-6 "*Guidelines for Evaluating Construction Activities on Water Resources* ", January 1995, "*Stormwater Management Planning and Design Manual* ", March 2003, and "*Erosion and Sediment Control Guideline for Urban Construction, as Compiled by the Greater Golden Horseshoe Conservation Authority* ", December 2006; and

(4) As a minimum requirement, require the installation of silt fencing prior to construction at the limits of construction around all staging areas, access roads, turbine foundations and laydown areas.

H4. The Company shall take all measures necessary to prevent damages (or any related impacts) to neighbouring properties, buildings, bridges, structures, roads, railway lines and/or other infrastructure that may be impacted by the discharge/ drainage from the Facility and the Facility (Concrete Plant).

H5. The Company shall install and maintain the stormwater management and erosion and sediment control measures as detailed in the plans required under Condition H1. No construction shall commence until the pre-construction measures outlined in the plans have been installed.

H6. The Company shall employ a Qualified Inspector to inspect all erosion and sediment control and stormwater management measures, and perform all monitoring and measurements such as turbidity, as outlined in Conditions H8 and H15.

H7. The erosion and sediment control and stormwater management measures shall be maintained and inspected daily during construction by the Company, and shall be inspected by a Qualified Inspector following precipitation events during the spring freshet and after any Significant Storm Event. These measures shall continue until such a time as the Qualified Inspector determines that the measures are no longer required or the Qualified Inspector deems that the risk of surface water/ environmental impacts from the construction activity is negligible.

H8. For the duration of construction, the Company shall require the Qualified Inspector to monitor in-field turbidity levels for all project components/ construction which takes place within 30 m of the high water mark of a waterbody in accordance with the following:

(1) Monitoring shall be conducted on a daily basis upstream of the construction activity, and downstream of the construction activity during Significant Storm Events and the spring freshet;

(2) If the average (arithmetic mean) daily turbidity level downstream of the In-Water Works and construction activity exceeds the Canadian Council of Ministers of the Environment Canadian Water Quality Guidelines (CCME-CWQG) for the Protection of Aquatic Life for a short-term or long-term exposure as defined in the Canadian Environmental Quality Guidelines, Canadian Council of Ministers of the Environment, 1999, and as updated, the Company shall notify the Spills Action Centre (SAC) (1-800-268-6060 (toll-free, province-wide), or at 416-325-3000 (Toronto area), or 1-855-889-5775 (TTY)), within 24 hours and the Company shall implement the response plan to prevent further migration of turbid water into the watercourse(s).

H9. When there is an overlap between regulatory requirements, the Company shall apply the more stringent and the more protective requirements for water bodies, natural heritage features and fish habitat.

H10. The Company shall ensure that runoff/ stormwater does not contain a concentration of oil or petrochemicals that could be detected as a visible film, sheen or discolouration, be detected by odour, cause the tainting of any edible aquatic organism, form deposits on shorelines or bottom sediments, or that could be deleterious to aquatic organisms.

H11. The Company shall ensure that water pumped from any excavations is not discharged at a rate or in a quantity which will cause downstream flooding, erosion, or an Adverse Effect and that appropriate sediment control measures such as sediment basin and filter strips will be employed as necessary at the discharge location.

H12. The Company shall ensure that construction works and related activities are located a minimum of 30 m from the high water mark of water bodies, except as identified in the site-specific stormwater management plan and erosion and sediment control plan as per Condition H1.

H13. The Company shall maintain records of all inspections, monitoring and sampling data, and maintenance carried out pursuant to Conditions H1 to H12 and H15 (for In-Water Works), which shall be made available for inspection by the Ministry, upon request. The records shall include the name of the Qualified Inspector, date and timing of inspections and all remedial actions taken.

IN-WATER WORKS DURING CONSTRUCTION

H14. In-water Works shall be completed in a manner that protects fish habitat and other sensitive species/ habitats.

H15. The Company shall monitor in-field turbidity levels for the duration of construction or until such a time as the Qualified Inspector determines that the erosion and sediment control measures are no longer required and/ or that the risk of surface water/ environmental impacts are negligible, in accordance with a sampling program prepared by the Company and submitted to the District Manager for approval prior to the commencement of construction including In-Water Works. The sampling program shall include the following:

(1) Monitoring shall be initiated two weeks prior to the commencement of construction including In-Water Works and be conducted on a daily basis upstream and downstream of the In-Water Works within the waterbody(s), and downstream of the Facility and the Facility (Concrete Plant) within the waterbody(s);

(2) The Company shall notify the District Manager if the turbidity downstream of the erosion and control works is greater than 8 NTU (as per CCME-CWQG) from that measured upstream. The Company shall immediately implement additional erosion and sediment control measures to reduce or mitigate the sediment related impacts; and

(3) The Company shall collect water samples from a location immediately upstream of the In-water Works, and from a location immediately downstream of the In-water Works to be analyzed for Total Suspended Solids (TSS). The TSS sampling shall take place at least once daily during In-water Works related construction, unless otherwise directed by the Ministry.

H16. The Company shall install all In-water Works in a manner which:

(1) Prevents an Adverse Effect to the stream bed, substrates, stream bank, instream and near-shore habitat, and flow characteristics, absent of any authorizations such as timing restrictions and/ or mitigation requirements from partner Ministries and agencies; and

(2) Adheres to timing restrictions and/ or mitigation requirements of partner Ministries and agencies, including a restriction on In-Water Works related to dock construction from April 1 to June 30 annually.