

**AMENDMENT TO RENEWABLE ENERGY APPROVAL**NUMBER 8768-92QLJT  
Issue Date: July 31, 2014

SunE Westbrook GP Corp. operating as SunE Westbrook LP  
545 Speedvale Avenue West, No. 3400  
Guelph, Ontario  
N1K 1E6

Site Location: SunE Westbrook Solar Farm  
County #2 Road  
City of Kingston, County of Frontenac

*You are hereby notified that I have amended Approval No. 8768-92QLJT issued on January 14, 2013 for a Class 3 solar facility , as follows:*

**A. The definitions of "Acoustic Assessment Report", "Application" and "Equipment" in the Approval are deleted and replaced by the following:**

1. "Acoustic Assessment Report" means the report included in the amendment Application and entitled "SunE Westbrook Solar Farm - Revised Noise Study Report" prepared by Dillon, dated July 2014 and signed by Amir Iravani;
7. "Application" means the application for a Renewable Energy Approval dated May 17, 2012, and signed by Michael Dilworth, General Manager, 2225055 Ontario Inc., and all supporting documentation submitted with the application, including amended documentation submitted up to January 14, 2013, and as further amended by the application for a Renewable Energy Approval amendment dated March 13, 2014 and signed by Matthew Ptak, Vice President of SunE Westbrook GP Corp. operating as SunE Westbrook LP, and all supporting documentation submitted with the application, including amended documentation submitted up to July 12, 2014;
18. "Equipment" means the thirteen (13) 0.8 megawatt (MW) inverters, six (6) 1.6 megavolt ampere (MVA) transformers and one (1) 0.8 megavolt ampere (MVA) transformer, and one (1) 10 megavolt ampere (MVA) transformer substation, identified in this Approval and as further described in the Application, to the extent approved by this Approval;

**B. Condition E1 of the Approval is deleted and replaced by the following:**

- E1. The Company shall employ best management practices for stormwater management and sediment and erosion control during construction, installation, use, operation, maintenance and retiring of the Facility, as described in the SWM Plan Report section prepared by CIMA in the report entitled: "Westbrook - Modifications Document", dated March, 2014, and submitted by Dillon Consulting.

**Erosion, Sediment Control, and Stormwater Management Works:**

- E2 (1) Erosion, sediment control, and stormwater management works shall be installed and in working order prior to the commencement of construction related activities. Erosion, sedimentation, and stormwater controls shall be inspected on a regular basis; particularly following precipitation events, until such time as the qualified inspector determines that the works are no longer required / the risk of surface water / environmental impacts from the construction activity is negligible.
- (2) The erosion and sediment control works shall be inspected by a qualified inspector on a regular basis during the spring freshet and after significant storm events (a significant storm event is defined as a minimum of 10 mm of rain in any 24 hour period as measured at the closest Environment Canada gauge station). During inspections turbidity measurements shall be taken upstream of the solar project on Glenvale Creek in a suitable area which represents background conditions (un-effected by the projects discharge) and at each point where stormwater exits the property (erosion and sediment control works). If the turbidity at the property boundary (or discharge point from erosion and sediment controls/works) is greater than 8 NTUs from that measured at the background station located on Glenvale Creek, then the inspector will notify the District Manager and identify to the site contractor what additional erosion and sediment control measures should be employed to reduce or mitigate the sediment related impacts.
- (3) The qualified erosion and sediment control works inspector and/or site contractor shall maintain a record of all inspections, including a record of all sampling data, and shall make this information available to a provincial officer upon request.

**C. The following Condition N is added to the Approval:**

**N - ACOUSTIC AUDIT**

- N1. The Company shall carry out an Acoustic Audit in accordance with the procedures set out in Publication NPC-103, and shall submit to the Director and the District Manager an Acoustic Audit Report prepared by an Independent Acoustical Consultant in accordance with the requirements of Publication NPC-233, no later than six (6) months after the commencement of the operation of the Facility.

**D. Schedule A, B and C of the Approval are deleted and replaced with the following:**

**SCHEDULE A  
Facility Description**

The Facility shall consist of the construction, installation, operation, use and retiring of the following:

- (a) a total seven (7) arrays of photovoltaic (PV) modules with a total name plate capacity of up to approximately 10 megawatts (AC), with six (6) arrays containing one (1) cluster of two (2) 800 megawatt (MW) inverters and one (1) 1.6 megavolt ampere (MVA) transformer and remaining one (1) array containing (1) cluster of one (1) 0.8 megawatt (kW) inverter and 0.8 megavolt ampere (MVA) transformer; and
- (b) associated ancillary equipment, systems and technologies including, but not limited to, one (1) 10 megavolt amperes (MVA) transformer substation, on-site access roads, below and above grade cabling, and below and above grade transmission lines, all in accordance with the Application.

**SCHEDULE B****Coordinates of the Equipment and Noise Specifications****Table B1: Coordinates of the Equipment in UTM, Z18-NAD83 projection**

<b>Source ID</b>	<b>Sound Power Level (dBA)</b>	<b>Easting (metres)</b>	<b>Northing (metres)</b>	<b>Source description</b>
W_ST	92.0	369,711	4,906,112	10 MVA Substation, see Table B2
W_INV1	97.3	369,409	4,906,578	One 0.8 MW inverter #1, see Table B3
W_INV2	100.3	369,374	4,906,388	Two 0.8 MW inverter #2, see Table B4
W_INV3	100.3	369,508	4,906,164	Two 0.8 MW inverter #3, see Table B4
W_INV4	100.3	369,673	4,906,164	Two 0.8 MW inverter #4, see Table B4
W_INV5	100.3	369,719	4,906,574	Two 0.8 MW inverter #5, see Table B4
W_INV6	100.3	369,875	4,906,578	Two 0.8 MW inverter #6, see Table B4
W_INV7	100.3	369,780	4,906,417	Two 0.8 MW inverter #7, see Table B4
W_INVTR1	78.2	369,403	4,906,578	0.8 MVA inverter transformer #1, See Table B5
W_INVTR2	77.3	369,368	4,906,388	1.6 MVA inverter transformer #2, See Table B6
W_INVTR3	77.3	369,514	4,906,164	1.6 MVA inverter transformer #3, See Table B6
W_INVTR4	77.3	369,679	4,906,164	1.6 MVA inverter transformer #4, See Table B6
W_INVTR5	77.3	369,725	4,906,574	1.6 MVA inverter transformer #5, See Table B6
W_INVTR6	77.3	369,881	4,906,578	1.6 MVA inverter transformer #6, See Table B6
W_INVTR7	77.3	369,786	4,906,417	1.6 MVA inverter transformer #7, See Table B6

**SCHEDULE B-continued**

**Table B2:** Maximum Sound Power Spectrum (Decibel) of 10 MVA transformer substation

Sub	Octave Band Centre Frequency (Hz)							
	63	125	250	500	1000	2000	4000	8000
Sound Power Level (dB Lin)	94.6	96.6	91.6	91.6	85.6	80.6	75.6	68.6

**Table B3:** Maximum Sound Power Spectrum (Decibel) of 0.8 MW inverter

W_INV7	Octave Band Centre Frequency (Hz)							
	63	125	250	500	1000	2000	4000	8000
Sound Power Level (dB Lin)	89.1	86.7	88.2	88.3	82.7	86.4	95.0	84.4

**Table B4:** Maximum Sound Power Spectrum (Decibel) of 1.6 MW inverter

W_INV1 to W_INV6	Octave Band Centre Frequency (Hz)							
	63	125	250	500	1000	2000	4000	8000
Sound Power Level (dB Lin)	92.1	89.7	91.2	91.3	85.7	89.4	98.0	87.4

**Table B5:** Maximum Sound Power Spectrum (Decibel) of 0.8 MVA transformer

W_INVTR7	Octave Band Centre Frequency (Hz)							
	63	125	250	500	1000	2000	4000	8000
Sound Power Level (dB Lin)	98.4	90.3	77.8	72.4	63.2	57.0	52.2	47.3

**Table B6:** Maximum Sound Power Spectrum (Decibel) of 1.6 MVA transformer

W_INVTR1 to W_INVTR6	Octave Band Centre Frequency (Hz)							
	63	125	250	500	1000	2000	4000	8000
Sound Power Level (dB Lin)	97.5	89.4	76.9	71.5	62.3	56.1	51.3	46.4

Note: The Sound Power Level values in the above Tables B1 to B6 include the 5 Decibel adjustment for tonality as prescribed in Publication NPC-104.

## SCHEDULE C

### Noise Control Measures

#### Substation Barrier:

One (1) three sided 23.4 meters long and 4 meters high acoustic barrier, positioned as per Figure 4 in the Acoustic Assessment Report. The acoustic barrier shall be continuous without holes, gaps and other penetrations, and having surface mass at least 20 kilograms per square metres.

#### Acoustic Enclosure:

Two (2) acoustic enclosures for two (2) inverter cluster as described in the Acoustic Assessment Report, capable of providing the following values of Transmission Loss in 1/1 octave frequency bands:

**Minimum Transmission Loss (dB) values in octave frequency bands for Inverter Enclosures 3 and 4**

W_INV3 and W_INV4	Octave Band Centre Frequency (Hz)							
	63	125	250	500	1000	2000	4000	8000
Transmission Loss (dB)	-	4.0	4.0	6.0	10.0	17.0	12.0	-

*The reasons for the imposition of Condition E2 and N1 are as follow:*

1. Condition E2 is included as installation, regular inspection and maintenance of the temporary erosion, sediment control and stormwater management works are required to mitigate the impact on the downstream receiving watercourse during construction until they are no longer required.
2. Condition N1 is added to require the Company to gather accurate information so that the environmental noise impact and subsequent compliance with the Act, O. Reg. 359/09, Publication NPC-232 and this amendment can be verified.

**All other Terms and Conditions remain the same.**

**This Notice shall constitute part of the approval issued under Approval No. 8768-92QLJT dated January 14, 2013**

*In accordance with Section 139 of the Environmental Protection Act, within 15 days after the service of this notice, you may by further written notice served upon the Director, the Environmental Review Tribunal and the Environmental Commissioner, require a hearing by the Tribunal.*

*In accordance with Section 47 of the Environmental Bill of Rights, 1993, the Environmental Commissioner will place notice of your request for a hearing on the Environmental Registry.*

*Section 142 of the Environmental Protection Act provides that the notice requiring the hearing shall state:*

1. The portions of the renewable energy approval or each term or condition in the renewable energy approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

*The signed and dated notice requiring the hearing should also include:*

3. The name of the appellant;
4. The address of the appellant;
5. The renewable energy approval number;
6. The date of the renewable energy approval;
7. The name of the Director;
8. The municipality or municipalities within which the project is to be engaged in;

*This notice must be served upon:*

The Secretary\*  
Environmental Review Tribunal  
655 Bay Street, 15th Floor  
Toronto, Ontario  
M5G 1E5

AND

The Environmental Commissioner  
1075 Bay Street, 6th Floor  
Suite 605  
Toronto, Ontario  
M5S 2B1

AND

The Director  
Section 47.5, *Environmental Protection Act*  
Ministry of the Environment  
2 St. Clair Avenue West, Floor 12A  
Toronto, Ontario  
M4V 1L5

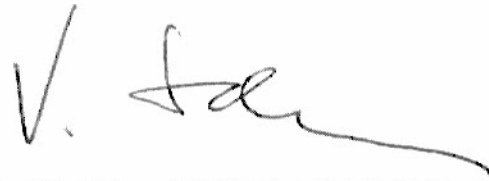
**\* Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained**

directly from the Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or [www.ert.gov.on.ca](http://www.ert.gov.on.ca)

*Under Section 142.1 of the Environmental Protection Act, residents of Ontario may require a hearing by the Environmental Review Tribunal within 15 days after the day on which notice of this decision is published in the Environmental Registry. By accessing the Environmental Registry at [www.ebr.gov.on.ca](http://www.ebr.gov.on.ca), you can determine when this period ends.*

*Approval for the above noted renewable energy project is issued to you under Section 47.5 of the Environmental Protection Act subject to the terms and conditions outlined above.*

DATED AT TORONTO this 31st day of July, 2014



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Vic Schroter, P.Eng.  
Director  
Section 47.5, *Environmental Protection Act*

YB/

c: District Manager, MOE Kingston - District  
Grace Pasceri, Canadian Solar Solutions Inc.