

January 20, 2013



VIA EMAIL ONLY

Ministry of Natural Resources
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Peterborough, ON K9J8M5

Attention: Joe Holloran
Renewable Energy Program Coordinator, Southern Region

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Dear Mr. Holloran:

The following letter is Addendum #7 to the Dufferin Wind Power ("DWP") - Natural Heritage Assessment ("NHA"), which the Ministry of Environment issued a Renewable Energy Approval (5460-98BPH8) on June 10, 2013. Dillon Consulting Limited ("Dillon") completed the natural heritage assessment and has assisted DWP with amendments to the NHA reports as project changes have occurred. The purpose of the addendum is to report on changes to the DWP project location. As DWP has obtained the necessary approvals and is currently in construction of the wind farm, we respectfully request that this addendum be reviewed as soon as possible.

The rationale for the proposed project changes are summarized below. In addition, the location of the project change, relevant significant natural features within 120 m and the amendments to the NHA Reports is summarized in Table 1. As the proposed alterations in this addendum do not change the project footprint in a manner that warrants further records review, site investigation or evaluation of significance, only amendments to the environmental impact study (EIS) are required.

MINOR ALTERATIONS TO TEMPORARY BUILDABLE AREA

Alterations to the buildable area are being proposed to account for a request from Melancthon Township ("Township") to align horizontal directional drill (HDD) bore holes perpendicular to the municipal road crossings and to avoid archeological findings. There are ten (10) minor changes (i.e., Project Changes #1-10) to the temporary buildable area that require minor amendments to the NHA. These changes have been outlined in Table 1 and aerial maps have been provide which

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Dillon Consulting
Limited

identify project component/buildable area changes in relation to natural features (Inset 1-10).

MINOR ALIGNMENT SHIFT TO WETLAND 33 HDD BORE

Another minor change (i.e., Project Change #11) is a slight shift in one of the underground HDD collector (feeder) line alignments. This shift is required due to setback restrictions with the existing underground utilities identified through the detailed design and will not result in a change to the approved buildable area (INSET 11, Table 1).

UNDERGROUND TRANSMISSION LINE INSTALLATION WITHIN WOODLAND AS

Further, an alteration to the method for 230 kV transmission line underground installation near the Town of Shelburne ("Shelburne") is required (i.e., Project Change #12, INSET 12, Table 1). The transmission line was previously approved for HDD installation through Significant Woodland AS. As a result of technical constraints identified by the project's Engineering Procurement Construction (EPC) Contractor during the detailed design stage of the transmission line, trenching through sections of this woodland is required.

In the NHA Reports and subsequent addenda (e.g., Addendum #4), the 230 kV transmission line was described as being installed below Significant Wetland 53 and 54, and Significant Woodland AS using HDD. Further engineering design and technical feasibility analysis has determined that vegetation clearing along the edge of Woodland AS will be required to install manholes ("MH"s), for trench installation through the northern section of this woodland and to facilitate the use HDD to install the underground transmission line beneath Wetland 53 and 54. The cleared area associated with MH 2S/HDD staging area is 0.58 ha in size (Inset 12).

Vegetation clearing within the southern section of Woodland AS (Inset 12) is required to install MH 3S and to facilitate open trench installation of the underground transmission. The total area of significant woodland to be cleared for will be 0.46 ha. As these proposed vegetation removals were not previously reported, this section of the transmission line will also be added to the Vegetation Management Plan. Further, the following mitigation measures now apply for Woodland AS, Wetland 53 and Wetland 54 (note, this list includes previously agreed upon mitigation measures:

- Construction area will be clearly delineated to avoid encroaching on other parts of the feature;
- Minimize removal of woodland vegetation;

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- Vegetation clearing to be done outside of core breeding bird period (May 1 to July 15), nest searches will be conducted if clearing occurs during the breeding bird period;
- Removed woodland area will be replaced at a 1:1 ratio (new);
- New edge will be monitored for negative effects of forest edge creation (shrubs will be planted if sun scald and desiccation are observed) (new);
- Re-vegetate cleared area with fast growing woodland species (new);
- Development of an erosion and sediment control (ESC) plan;
- Monitoring of ESC structures;
- No stockpiling within 30 m of wetland, woodland, or waterbody;
- A frac-out plan will be developed (new); and,
- A spills action plan will be implemented (new).

CORBETTON AREA TEMPORARY CONSTRUCTION ACCESS PLAN ADJUSTMENT

Finally, there is a change to the temporary construction access plan for the installation of the 230 kV transmission line within the County of Dufferin rail corridor near Corbetton, Ontario (i.e., Project Change #13). One of these options is required due to the recent consultations with the Town of Corbetton, which have eliminated the proposed northern construction access point to the rail corridor from Main Street (i.e., Sideroad 260). The sizes of the buildable areas for the options proposed have been exaggerated to allow for minor infrastructure shifts during the detailed design stage.

Option 1

Option 1 is a small extension of an existing access road west of the proposed transmission line off of 2nd Line Road (Inset 13- Option 1, Table 1). No vegetation removal is anticipated as this access road is proposed in agricultural land. The access road will be confined to the smallest area possible to reduce the potential for disturbance and sediment erosion control fencing will be constructed along the road boundary. Also, once the temporary road is no longer needed, a tall grass seed mix will be planted to stabilize the soil. Note that previously proposed mitigation measures for the nearby Wetland 37 include: activity staging outside of the wetland, cleaning of heavy machinery prior to use, no stock piling within 30 m, erosion and sediment control planning and monitoring of erosion and sediment control structures.

Option 2

Option 2 involves the installation of a hammerhead adjacent to the rail corridor that would allow for heavy machinery to turn around while traversing the rail corridor (Inset 13- Option 2, Table 1). This temporary turning area will be adjacent to the rail corridor and no vegetation removal is anticipated. The hammerhead will be confined to the smallest area possible to reduce the potential for disturbance and sediment and erosion control fencing will be constructed along its boundary. Also, once the temporary area is no longer needed, a tall grass seed mix will be planted to stabilize the soil. Note that previously proposed mitigation measures for the nearby Wetland 37 identified in the Option 1 description above would also apply.

CLOSURE

In general, the changes described above are the result of engineering design and municipal consultation. As identified in Table 1 below, Project Changes 4, 12 and 13 may require the implementation of additional mitigation measures. These mitigation measures will be added to the mitigation plans established in the NHA Environmental Impact Study and associated Addendums #1 - #6 to account for potential negative impacts to natural heritage features. Further, no additional records review, site investigation or natural feature evaluation studies are required.

Should you have any concerns, questions, or comments, please contact David Restivo at (416) 229-4647, ext. 2438 or email at drestivo@dillon.ca; or alternatively, Caleb Hasler at (613) 745-2213, ext. 3027 or email at chasler@dillon.ca.

Yours sincerely,

DILLON CONSULTING LIMITED



David Restivo, B.Sc.H., E.P.
Associate

cc. Amy Cameron (OMNR)

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cc Rebecca Crump (DWP)
cc. Caleb Hasler (Dillon)
cc. Don McKinnon (Dillon)

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Table 1. Summary of Project Location Changes for Addendum #7

Project Change	Location	Significant Natural Features within or within 120 m	Alteration	Amendment to EIS
1 Insert 1	Lot 30, Con 1; near 30 th Site Road	-Woodland B -Bat Maternal Colony (BMRC1) -Amphibian Breeding Habitat (ABH 2) -Generalized Candidate Significant Wildlife Habitat	A small change to the temporary construction area.	The change is not within any significant natural features and there are previously approved project components nearer to the applicable features. The mitigation measures previously committed to for these natural features still apply, including: development of an erosion and sediment control (ESC) plan; monitoring of ESC structures; and clearly delineate natural features. Further, a frac-out plan and spills action plan will be in place when HDD activities are occurring.
2 Insert 2	Lot 26, Con 1; along County Road 124	None	A small change to the temporary construction area. Change is located within an active agricultural field.	As the change is not within 120 m of a significant natural feature, no additional mitigation measures are required to reduce potential negative effects to significant natural features.
3 Insert 3	Lot 20, Con 3, along 3 rd Line	None	A small change to the temporary construction area. Change is located within an active agricultural field.	As the change is not within 120 m of a significant natural feature, no additional mitigation measures are required to reduce potential negative effects to significant natural features.
4	Lot 27, Con 4, along 4 th	Wetland 97 (within 120 m) Wetland 99 (within 120 m)	0.0038 ha area will be cleared within	The change will result in the potential for a 0.0038 ha wooded area to be removed. The previous mitigation plan for Woodland S still apply,

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Insert 4	Line	Woodland S (within) Interior Forest Breeding Bird Habitat (IFB3) (work will be a few metres within woodland edge) Amphibian Breeding Habitat (ABH 59) (within)	Woodland S to be used to facilitate the HDD road crossing.	including: minimize removal of woodland vegetation and avoid displacement of woodland interior, vegetation clearing to be done outside of core breeding bird period (May 1 st to July 15 th), nest searches will be conducted if clearing occurs during the breeding bird period; removed woodland area will be replaced at a 1:1 ratio, construction area will be clearly delineated to avoid encroaching on other parts of the feature; the new edge will be monitored for negative effects of forest edge creation, and shrubs will be planted if sun scald and desiccation are observed; re-vegetate cleared area with fast growing woodland species; development of an erosion and sediment control (ESC) plan; monitoring of ESC structures; and, no stockpiling within 30 m of wetland, woodland or waterbody. Furthermore, a frac-out plan and spills action plan will be in place when HDD activities are occurring.
5 Insert 5	Lot 26, Con 3, along 4 th Line	Woodland S (within 120 m) Interior Forest Breeding Bird Habitat (IFB3) (within 120m m) Amphibian Breeding Habitat (ABH 59) (within 120 m)	A small change to the temporary construction area. Change is located within an active agricultural field.	The change is not within any significant natural features and there are previously approved project components nearer to the applicable features. The mitigation measures previously committed to for these natural features still apply, including: development of an erosion and sediment control (ESC) plan; monitoring of ESC structures; and clearly delineate natural features. Further, a frac-out plan and spills action plan will be in place when HDD activities are occurring.
6	Lot 27, Con	None	A small change to	As the change is not within 120 m of a significant natural feature, no

Insert 6	4, along 5 th Line near Sideroad 250		the temporary construction area. Change is located within an active agricultural field.	additional mitigation measures are required to reduce potential negative effects to significant natural features.
Insert 7	7 Lot 26, Con 8, along Sideroad 240 near 8 th Line Northeast	None	A small change to the temporary construction area. Change is located within an active agricultural field.	As the change is not within 120 m of a significant natural feature, no additional mitigation measures are required to reduce potential negative effects to significant natural features.
Insert 8	8 Lot 23, Con 2, along 3 rd Line	Woodland BL (within 120 m)	Several changes in the temporary construction area within active agricultural fields.	The change is within the previously confirmed project layout. The mitigation measures previously committed to for the adjacent natural features still apply, including: development of an erosion and sediment control (ESC) plan; monitoring of ESC structures; and clearly delineate natural features. Further, a frac-out plan and spills action plan will be in place when HDD activities are occurring.
Insert 9	9 Lot 22, Con 3, near 3 rd Line	Wetland 16 (within 120 m) Woodland BS (within 120 m) Woodland BL (within 120 m) Amphibian Breeding Habitat (ABH 19)	Several changes in the temporary construction area within active agricultural fields.	The change will result in a reduced setback in some areas between the project location and Woodland BS, Wetland 16, ABH 19, and Generalized Candidate Significant Wildlife Habitat. The project location change proposed, however, is still not within the previously approved minimum 5 m setback identified in the NHA EIS.

		(within 120 m) Generalized Candidate Significant Wildlife Habitat (within 120 m)		The mitigation measures previously committed to for the adjacent natural features still apply, including: development of an erosion and sediment control (ESC) plan; monitoring of ESC structures; and clearly delineate natural features. Further, a frac-out plan and spills action plan will be in place when HDD activities are occurring.
10 Insert 10	Lot 23, Con 3, near 4 th Line	Wetland 16 (within 120 m) Woodland BS (within 120 m) Woodland BL (within 120 m) Amphibian Breeding Habitat (ABH 19) (within 120 m) Generalized Candidate Significant Wildlife Habitat (within 120 m)	A change in the temporary construction area within active agricultural field.	The change will result in a reduced setback in some areas between the project location and Woodland BS, Wetland 16, ABH 19, and Generalized Candidate Significant Wildlife Habitat. The project location change proposed, however, is still not within the previously approved minimum 5 m setback identified in the NHA EIS. The mitigation measures previously committed to for the adjacent natural features still apply, including: development of an erosion and sediment control (ESC) plan; monitoring of ESC structures; and clearly delineate natural features. Further, a frac-out plan and spills action plan will be in place when HDD activities are occurring.
11 Insert 11	Lot 32, Con 6, near 6 th Line NE and County Road 9	Wetland 33 (within 120 m) Woodland Y (within 120 m)	A change in the temporary construction area within active agricultural field needed to alter the boring	The change is within the previously confirmed project layout. The mitigation measures previously committed to for the adjacent natural features still apply, including: development of an erosion and sediment control (ESC) plan; monitoring of ESC structures; and clearly delineate natural features. Further, a frac-out plan and spills action plan will be in place when HDD activities are occurring.

			alignment to cross Wetland 33 and County Road 9.	
12 INSERT 12	East of 4 th Line, North of Main Street	Wetlands 53, 54, and 55 Woodland AS	Addition of manholes to facilitate HDD installation and clarification of where HDD trenching and open trenching will occur near Shelburne.	The change is within significant wetlands and a significant woodland. The following mitigation measures still apply: Construction area will be clearly delineated to avoid encroaching on other parts of the feature; Minimize removal of woodland vegetation; Vegetation clearing to be done outside of core breeding bird period (May 1 to July 15), nest searches will be conducted if clearing occurs during the breeding bird period. New mitigation measures include: removed woodland area will be replaced at a 1:1 ratio; New edge will be monitored for negative effects of forest edge creation (shrubs will be planted if sun scald and desiccation are observed); Re-vegetate cleared area with fast growing woodland species; Development of an erosion and sediment control (ESC) plan; Monitoring of ESC structures; No stockpiling within 30 m of wetland, woodland, or waterbody; a frac-out plan will be developed; and a spills action plan will be implemented.
13 (Option 1) INSERT 13	Lot 264, Con 1	Wetlands 36 and 37	Addition of an access road in order to access the rail corridor.	The change is not within a significant natural feature but is within 120m of two wetland units. Additional mitigation measures required are as follows: No vegetation removal is anticipated as this access road is proposed in agricultural land. The access road will be confined

				to the smallest area possible to reduce the potential for disturbance and sediment erosion control fencing will be constructed along the road boundary. Also, once the temporary road is no longer needed, a tall grass seed mix will be planted to stabilize the soil. Note that previously proposed mitigation measures for the nearby Wetland 37 will be implemented and include: activity staging outside of the wetland, cleaning of heavy machinery prior to use, no stock piling within 30 m, erosion and sediment control planning and monitoring of erosion and sediment control structures.
13 (Option 2) INSERT 13	Lot 265, Con 1	Wetlands 36 and 37	Addition of a hammerhead along the rail corridor to permit heavy machinery to turn around and avoid driving through sensitive features.	The change is not within a significant natural feature but is within 120m of two wetland units. Additional mitigation measures required are as follows: No vegetation removal is anticipated as the hammerhead is proposed in agricultural land. The hammerhead will be confined to the smallest area possible to reduce the potential for disturbance and sediment erosion control fencing will be constructed along the boundary. Also, once the hammerhead is no longer needed, a tall grass seed mix will be planted to stabilize the soil. Note that previously proposed mitigation measures for the nearby Wetland 37 will be implemented and include: activity staging outside of the wetland, cleaning of heavy machinery prior to use, no stock piling within 30 m, erosion and sediment control planning and monitoring of erosion and sediment control structures.