

Appendix F:
Noise Impact Assessment

**Richibucto Wind Project
Preliminary Noise Assessment
November 2017**



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Introduction

Natural Forces Wind Inc. has undertaken a noise impact assessment for the proposed Richibucto Wind Project site to assess the impact of the turbine's sound emissions on the surrounding dwellings to the project. A map of the project area with the proposed WTG layout is illustrated in Appendix A.

The noise analysis was conducted using the ISO 9613-2: Acoustics – Attenuation of sound during propagation outdoors – Part 2: General method of calculation model within the Decibel module of the software package, WindPRO version 3.1.

Noise guidelines

New Brunswick has set recommended sound criteria for wind turbines in the *Additional Information Requirements for Wind Turbines* document created to outline additional requirements to the *Environmental Impact Assessment Regulation*. The recommendations are outlined below in Table 1. These sound criteria have been used for this assessment.

Table 1: Recommended Sound Criteria for Wind Turbines (*Additional Information Requirements for Wind Turbines*)

Wind Speed (m/s)	4	5	6	7	8	9	10	11
Wind Turbine Noise Criteria [dBA]	40	40	40	43	45	49	51	53

Receptors

The receptors used in this assessment are dwellings located within 2.5 km of the turbine location. They have been selected based on online geographical data from the Data Catalogue available on the Services New Brunswick website and cross referenced with aerial photography of the site and site visits. Their exact locations are found in Appendix B. A map of the project area with the receptors is illustrated in Appendix A.

Turbine

The turbine model used for the assessment is the Enercon E-126 EP3 3,500kW machine. The turbine will have a maximum hub height of 135m and a rotor diameter of 127m. The turbine coordinates are located in Appendix B. There are no existing or proposed wind farms within 5 kilometers of the project; therefore, it is unlikely any cumulative noise effects will occur and it was not considered in this assessment.

Impact Assessment Methodology

The sound pressure level was calculated at each point of reception using the Decibel module of WindPRO v.3.1 which uses the ISO 9613-2 model "Attenuation of sound during propagation outdoors, Part 2: A general method of calculation". The calculations were performed using the Enercon E-126 EP3 3,500kW wind turbine generators with a hub height of 135 m.

The model uses a conservative approach to calculating noise levels by assuming downwind propagation is occurring simultaneously in all directions of the wind turbine. However, in actuality noise propagation in an upwind direction would result in a significant reduction of noise levels at any receptor located upwind from the turbine.

As another conservative measure, no attenuation has been considered from topographical shielding for objects (such as barns, trees, other buildings, etc.) located between the turbines and receptors. A global ground attenuation of 0 was used to represent an area that is covered in glass to produce the worst-case scenario for noise impacts.

No correction for special audible characteristics such as clearly audible tones, impulses or modulation of sound levels has been made. These are not common characteristics of modern wind turbine generators (WTG) in a well-designed wind

farm. It is habitual that WTG manufacturers guarantee the absence of tonal noise produced by the WTG. Furthermore, impulses and modulation of sound levels from the wind farm under normal conditions would not be of a level to necessitate the application of any penalty.

Results of Noise Predictions

The results of the noise prediction model at the top 20 receptors are summarized in Table 2, while all receptor noise levels are provided in Appendix B, prove compliance with the *Additional Information Requirements for Wind Turbines* document created to outline additional requirements to the *Environmental Impact Assessment Regulation* specifically for wind turbines. The table below demonstrates the loudest noise levels for any wind speed modelled between and including 4 to 12 m/s.

Table 2: Wind turbine noise impact assessment summary of the top 20 receptors

Point of Reception ID	Max Sound Level from WTG [dB(A)]	Compliance with New Brunswick's Requirements
DI	31.3	Yes
DJ	31.6	Yes
DK	32.3	Yes
DL	32.4	Yes
DM	32.9	Yes
DN	32.9	Yes
DP	33.1	Yes
DW	31.3	Yes
DX	31.6	Yes
DY	31.6	Yes
JC	34.2	Yes
JD	34.1	Yes
JE	35.8	Yes
JF	35.5	Yes
JG	33.9	Yes
JH	31.8	Yes
JV	32.8	Yes
JW	33.4	Yes
JX	32.9	Yes
JY	31.6	Yes

Conclusions and Recommendations

Natural Forces Wind Inc. has completed a noise assessment to evaluate the noise impact of the turbine proposed as part of the Richibucto Wind Project on the identified noise receptors located within 2.5 km of the proposed WTG.

Based on the parameters used to run the WindPRO noise prediction model, it has been shown that the predicted Sound Pressure Levels emitted by the proposed WTG are less than 40 dB(A), thus demonstrating exceeding compliance with the *Additional Information Requirements for Wind Turbines* document created to support the New Brunswick *Environmental Impact Assessment Regulation*.

References

New Brunswick Ministry of Environment and Local Government. *Environmental Impact Assessment Regulation – Clean Environment Act*. New Brunswick.

New Brunswick Ministry of Environment and Local Government. *Additional Information Requirements For Wind Turbines– Clean Environment Act*. New Brunswick.

Enercon GmbH ed. (2017). *Data Sheet – Enercon Wind Energy Converter E-126 EP3*. Germany.

International Organization for Standardization (1996). *ISO 9613-2: Acoustics – Attenuation of sound during propagation outdoors – Part 2: General method of calculation*. WindPRO.

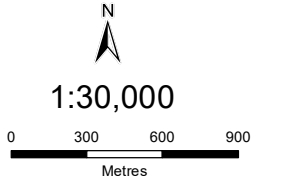
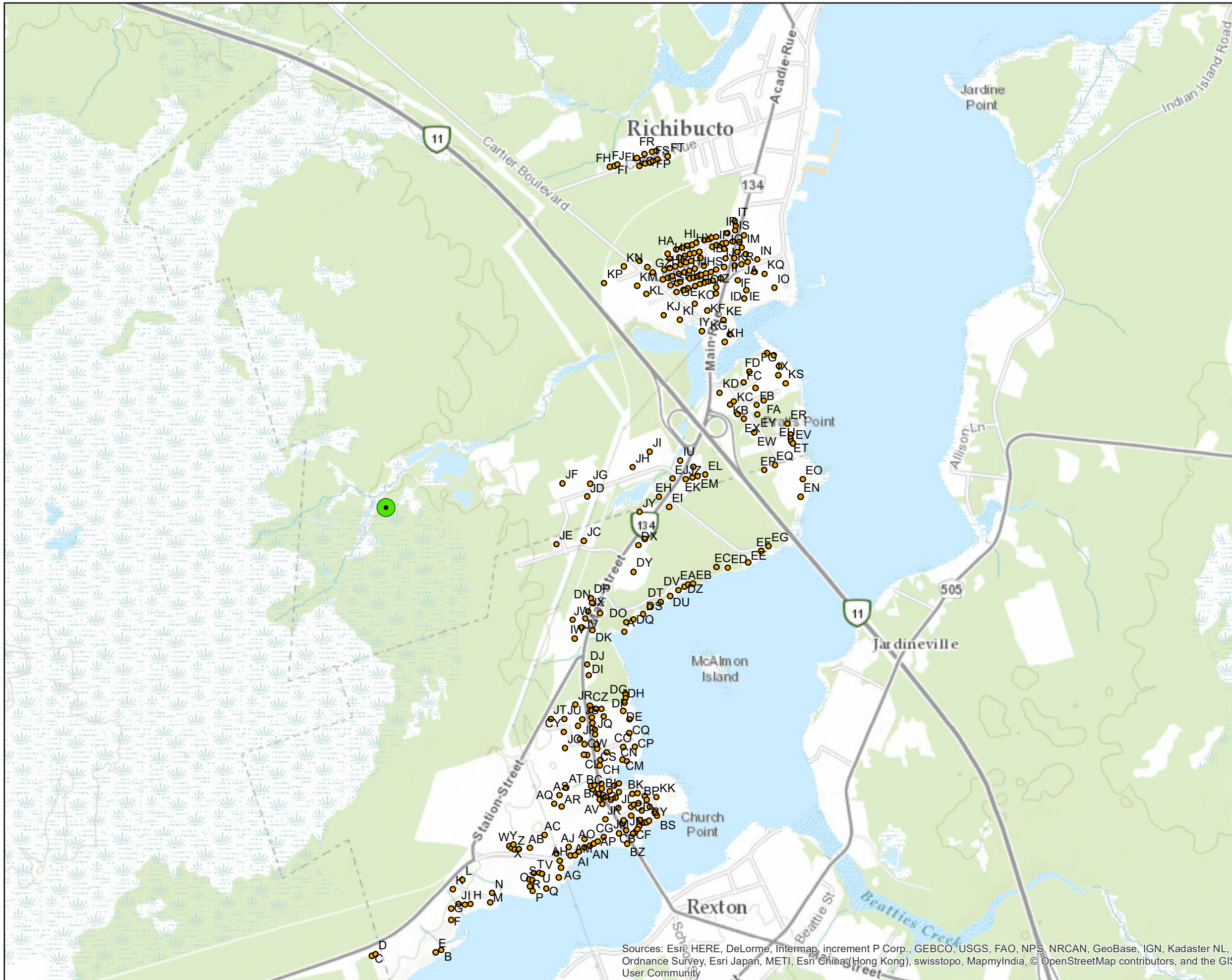
Ontario Ministry of the Environment (2008). *Noise guidelines for wind farms*. Ontario.

Annex A
Site Layout Map

Noise Receptors

Legend

- Noise Receptors
- Turbine



WGS 1984 Web Mercator Auxiliary Sphere

Production Date: Aug 17, 2017



Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

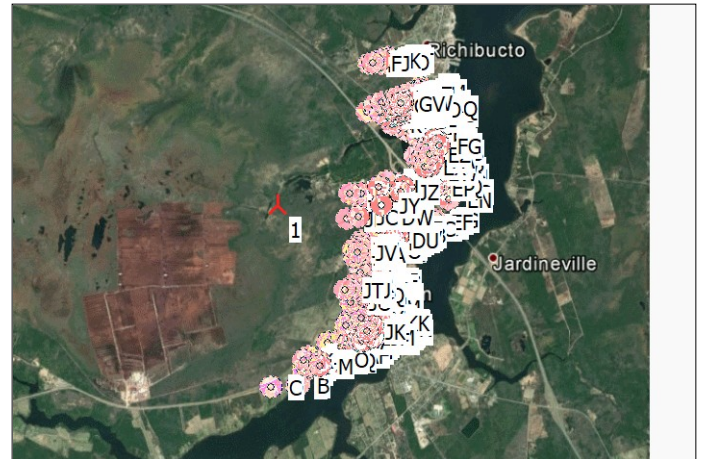
Annex B

WindPRO v3.1, Decible Module Calculation Results

DECIBEL - Main Result

Calculation: RWP E-126 @135m

Noise calculation model:
ISO 9613-2 General
Wind speed:
4.0 m/s - 12.0 m/s, step 1.0 m/s
Ground attenuation:
None
Meteorological coefficient, CO:
0.0 dB
Type of demand in calculation:
1: WTG noise is compared to demand (DK, DE, SE, NL etc.)
Noise values in calculation:
All noise values are mean values (Lwa) (Normal)
Pure tones:
Fixed penalty added to source noise of WTGs with pure tones: 0.0 dB(A)
Height above ground level, when no value in NSA object:
4.5 m Allow override of model height with height from NSA object
Deviation from "official" noise demands. Negative is more restrictive,
positive is less restrictive.:
0.0 dB(A)



Scale 1:100,000
New WTG Noise sensitive area

WTGs

Easting	Northing	Z	Row data/Description	WTG type			Power, rated	Rotor diameter	Hub height	Noise data						
				Valid	Manufact.	Type-generator				Creator	Name	First wind speed	LwaRef	Last wind speed	LwaRef	Pure tones
[m]						[kW]	[m]	[m]			[m/s]	[dB(A)]	[m/s]	[dB(A)]	No h	
1	355,265	5,169,414	12.2 ENERCON E126-EP3 3...	No	ENERCON	E126-EP3-3,500	3,500	127.0	135.0	USER	Runtime input	4.0	96.6	12.0	106.0	No h

h) Generic octave distribution used

Calculation Results

Sound level

Noise sensitive area	No.	Name	Easting	Northing	Z	Imission height	Demands		Sound level		Distance to noise demand	Demands fulfilled ?
							Min Noise	Max From WTGs	[dB(A)]	[dB(A)]		
					[m]	[m]	[dB(A)]	[dB(A)]	[m]			
A	Noise sensitive point: User defined (1)	356,542	5,168,723	4.2	4.5	40.0	31.0	834	Yes			
B	Noise sensitive point: User defined (2)	355,493	5,167,000	4.3	4.5	40.0	25.0	1,806	Yes			
C	Noise sensitive point: User defined (3)	355,111	5,166,979	12.8	4.5	40.0	24.9	1,822	Yes			
D	Noise sensitive point: User defined (4)	355,132	5,166,986	12.5	4.5	40.0	25.0	1,813	Yes			
E	Noise sensitive point: User defined (5)	355,462	5,166,990	5.1	4.5	40.0	25.0	1,813	Yes			
F	Noise sensitive point: User defined (6)	355,551	5,167,165	6.8	4.5	40.0	25.8	1,649	Yes			
G	Noise sensitive point: User defined (7)	355,554	5,167,228	8.1	4.5	40.0	26.2	1,587	Yes			
H	Noise sensitive point: User defined (8)	355,661	5,167,249	5.6	4.5	40.0	26.2	1,583	Yes			
I	Noise sensitive point: User defined (9)	355,628	5,167,246	5.5	4.5	40.0	26.2	1,580	Yes			
J	Noise sensitive point: User defined (10)	355,593	5,167,251	6.8	4.5	40.0	26.3	1,569	Yes			
K	Noise sensitive point: User defined (11)	355,564	5,167,333	9.3	4.5	40.0	26.7	1,484	Yes			
L	Noise sensitive point: User defined (12)	355,620	5,167,383	9.4	4.5	40.0	27.0	1,444	Yes			
M	Noise sensitive point: User defined (13)	355,769	5,167,255	5.1	4.5	40.0	26.1	1,599	Yes			
N	Noise sensitive point: User defined (14)	355,780	5,167,307	5.4	4.5	40.0	26.4	1,551	Yes			
O	Noise sensitive point: User defined (15)	355,990	5,167,339	4.7	4.5	40.0	26.2	1,580	Yes			
P	Noise sensitive point: User defined (16)	356,004	5,167,312	3.9	4.5	40.0	26.0	1,610	Yes			
Q	Noise sensitive point: User defined (17)	356,079	5,167,325	1.6	4.5	40.0	26.0	1,624	Yes			
R	Noise sensitive point: User defined (18)	355,986	5,167,377	5.1	4.5	40.0	26.4	1,543	Yes			
S	Noise sensitive point: User defined (19)	356,004	5,167,372	5.2	4.5	40.0	26.3	1,554	Yes			
T	Noise sensitive point: User defined (20)	356,014	5,167,410	5.1	4.5	40.0	26.5	1,521	Yes			
U	Noise sensitive point: User defined (21)	356,044	5,167,410	3.7	4.5	40.0	26.5	1,532	Yes			
V	Noise sensitive point: User defined (22)	356,059	5,167,406	3.0	4.5	40.0	26.4	1,541	Yes			
W	Noise sensitive point: User defined (23)	355,881	5,167,562	9.6	4.5	40.0	27.6	1,334	Yes			
X	Noise sensitive point: User defined (24)	355,892	5,167,551	9.0	4.5	40.0	27.5	1,348	Yes			
Y	Noise sensitive point: User defined (25)	355,903	5,167,571	9.1	4.5	40.0	27.6	1,332	Yes			
Z	Noise sensitive point: User defined (26)	355,911	5,167,543	8.6	4.5	40.0	27.5	1,361	Yes			
AA	Noise sensitive point: User defined (27)	355,934	5,167,544	8.3	4.5	40.0	27.4	1,368	Yes			
AB	Noise sensitive point: User defined (28)	355,995	5,167,549	7.6	4.5	40.0	27.3	1,385	Yes			
AC	Noise sensitive point: User defined (29)	356,076	5,167,619	8.7	4.5	40.0	27.5	1,352	Yes			

To be continued on next page...

DECI BEL - Main Result

Calculation: RWP E-126 @135m

...continued from previous page

Noise sensitive area

No.	Name	Easting	Northing	Z	Imission height	Demands		Distance to noise demand	Demands fulfilled ?
						Min Noise	Max From WTGs		
					[m]	[dB(A)]	[dB(A)]	[m]	Noise
AD	Noise sensitive point: User defined (30)	356,141	5,167,517	4.6	4.5	40.0	26.8	1,472	Yes
AE	Noise sensitive point: User defined (31)	356,156	5,167,474	3.7	4.5	40.0	26.6	1,517	Yes
AF	Noise sensitive point: User defined (32)	356,150	5,167,383	2.4	4.5	40.0	26.1	1,597	Yes
AG	Noise sensitive point: User defined (33)	356,163	5,167,438	3.9	4.5	40.0	26.4	1,553	Yes
AH	Noise sensitive point: User defined (34)	356,217	5,167,502	2.5	4.5	40.0	26.5	1,518	Yes
AI	Noise sensitive point: User defined (35)	356,241	5,167,503	1.8	4.5	40.0	26.5	1,528	Yes
AJ	Noise sensitive point: User defined (36)	356,208	5,167,549	2.3	4.5	40.0	26.8	1,472	Yes
AK	Noise sensitive point: User defined (37)	356,265	5,167,522	1.2	4.5	40.0	26.5	1,522	Yes
AL	Noise sensitive point: User defined (38)	356,294	5,167,545	1.8	4.5	40.0	26.6	1,516	Yes
AM	Noise sensitive point: User defined (39)	356,295	5,167,591	1.8	4.5	40.0	26.8	1,476	Yes
AN	Noise sensitive point: User defined (40)	356,324	5,167,554	2.6	4.5	40.0	26.5	1,523	Yes
AO	Noise sensitive point: User defined (41)	356,347	5,167,566	1.8	4.5	40.0	26.5	1,524	Yes
AP	Noise sensitive point: User defined (42)	356,368	5,167,575	1.6	4.5	40.0	26.5	1,526	Yes
AQ	Noise sensitive point: User defined (43)	356,134	5,167,788	10.3	4.5	40.0	28.3	1,226	Yes
AR	Noise sensitive point: User defined (44)	356,174	5,167,772	8.8	4.5	40.0	28.1	1,259	Yes
AS	Noise sensitive point: User defined (45)	356,163	5,167,834	9.6	4.5	40.0	28.5	1,200	Yes
AT	Noise sensitive point: User defined (46)	356,202	5,167,876	7.6	4.5	40.0	28.6	1,183	Yes
AU	Noise sensitive point: User defined (47)	356,400	5,167,780	2.8	4.5	40.0	27.4	1,372	Yes
AV	Noise sensitive point: User defined (48)	356,385	5,167,806	3.1	4.5	40.0	27.6	1,342	Yes
AW	Noise sensitive point: User defined (49)	356,376	5,167,836	3.3	4.5	40.0	27.7	1,312	Yes
AX	Noise sensitive point: User defined (50)	356,347	5,167,864	4.7	4.5	40.0	28.0	1,272	Yes
AY	Noise sensitive point: User defined (51)	356,340	5,167,881	5.4	4.5	40.0	28.1	1,254	Yes
AZ	Noise sensitive point: User defined (52)	356,358	5,167,884	4.6	4.5	40.0	28.1	1,262	Yes
BA	Noise sensitive point: User defined (53)	356,397	5,167,891	3.0	4.5	40.0	27.9	1,280	Yes
BB	Noise sensitive point: User defined (54)	356,441	5,167,850	2.4	4.5	40.0	27.6	1,339	Yes
BC	Noise sensitive point: User defined (55)	356,398	5,167,865	3.0	4.5	40.0	27.8	1,301	Yes
BD	Noise sensitive point: User defined (56)	356,419	5,167,820	2.7	4.5	40.0	27.5	1,350	Yes
BE	Noise sensitive point: User defined (57)	356,448	5,167,803	2.9	4.5	40.0	27.3	1,381	Yes
BF	Noise sensitive point: User defined (58)	356,473	5,167,813	2.8	4.5	40.0	27.3	1,388	Yes
BG	Noise sensitive point: User defined (59)	356,493	5,167,844	2.5	4.5	40.0	27.4	1,376	Yes
BH	Noise sensitive point: User defined (60)	356,465	5,167,880	2.1	4.5	40.0	27.6	1,330	Yes
BI	Noise sensitive point: User defined (61)	356,494	5,167,891	2.0	4.5	40.0	27.6	1,339	Yes
BJ	Noise sensitive point: User defined (62)	356,565	5,167,832	2.1	4.5	40.0	27.0	1,430	Yes
BK	Noise sensitive point: User defined (63)	356,594	5,167,835	1.9	4.5	40.0	27.0	1,446	Yes
BL	Noise sensitive point: User defined (64)	356,557	5,167,760	3.0	4.5	40.0	26.8	1,481	Yes
BM	Noise sensitive point: User defined (65)	356,572	5,167,773	3.0	4.5	40.0	26.8	1,480	Yes
BN	Noise sensitive point: User defined (66)	356,597	5,167,780	2.8	4.5	40.0	26.7	1,490	Yes
BO	Noise sensitive point: User defined (67)	356,633	5,167,818	1.7	4.5	40.0	26.7	1,484	Yes
BP	Noise sensitive point: User defined (68)	356,644	5,167,799	1.9	4.5	40.0	26.6	1,506	Yes
BQ	Noise sensitive point: User defined (69)	356,660	5,167,758	2.2	4.5	40.0	26.4	1,547	Yes
BR	Noise sensitive point: User defined (70)	356,685	5,167,730	2.6	4.5	40.0	26.2	1,585	Yes
BS	Noise sensitive point: User defined (71)	356,699	5,167,709	2.8	4.5	40.0	26.0	1,610	Yes
BT	Noise sensitive point: User defined (72)	356,615	5,167,741	2.5	4.5	40.0	26.5	1,532	Yes
BU	Noise sensitive point: User defined (73)	356,603	5,167,688	2.4	4.5	40.0	26.3	1,566	Yes
BV	Noise sensitive point: User defined (74)	356,598	5,167,654	1.8	4.5	40.0	26.1	1,590	Yes
BW	Noise sensitive point: User defined (75)	356,627	5,167,674	1.8	4.5	40.0	26.1	1,592	Yes
BX	Noise sensitive point: User defined (76)	356,640	5,167,676	1.8	4.5	40.0	26.1	1,599	Yes
BY	Noise sensitive point: User defined (77)	356,654	5,167,683	1.7	4.5	40.0	26.1	1,602	Yes
BZ	Noise sensitive point: User defined (78)	356,531	5,167,560	2.0	4.5	40.0	25.9	1,627	Yes
CA	Noise sensitive point: User defined (79)	356,576	5,167,623	1.4	4.5	40.0	26.1	1,602	Yes
CB	Noise sensitive point: User defined (80)	356,589	5,167,639	1.6	4.5	40.0	26.1	1,597	Yes
CC	Noise sensitive point: User defined (81)	356,505	5,167,674	2.8	4.5	40.0	26.5	1,519	Yes
CD	Noise sensitive point: User defined (82)	356,556	5,167,712	3.0	4.5	40.0	26.5	1,519	Yes
CE	Noise sensitive point: User defined (83)	356,513	5,167,688	2.9	4.5	40.0	26.6	1,512	Yes
CF	Noise sensitive point: User defined (84)	356,563	5,167,615	1.5	4.5	40.0	26.1	1,600	Yes
CG	Noise sensitive point: User defined (85)	356,403	5,167,599	1.9	4.5	40.0	26.5	1,524	Yes
CH	Noise sensitive point: User defined (86)	356,390	5,167,993	4.3	4.5	40.0	28.5	1,195	Yes
CI	Noise sensitive point: User defined (87)	356,393	5,168,022	4.9	4.5	40.0	28.6	1,174	Yes
CJ	Noise sensitive point: User defined (88)	356,430	5,168,063	4.4	4.5	40.0	28.7	1,166	Yes
CK	Noise sensitive point: User defined (89)	356,323	5,168,052	6.2	4.5	40.0	29.1	1,107	Yes
CL	Noise sensitive point: User defined (90)	356,304	5,168,054	6.5	4.5	40.0	29.2	1,094	Yes
CM	Noise sensitive point: User defined (91)	356,516	5,168,022	1.6	4.5	40.0	28.1	1,254	Yes
CN	Noise sensitive point: User defined (92)	356,540	5,168,012	0.9	4.5	40.0	28.0	1,277	Yes
CO	Noise sensitive point: User defined (93)	356,521	5,168,091	2.0	4.5	40.0	28.4	1,206	Yes

To be continued on next page...

DECI BEL - Main Result

Calculation: RWP E-126 @135m

...continued from previous page

Noise sensitive area

No.	Name	Easting	Northing	Z	Imission height	Demands		Sound level	Distance to noise demand	Demands fulfilled ?
						Min Noise	Max From WTGs			
						[dB(A)]	[dB(A)]		[m]	Noise
CP	Noise sensitive point: User defined (94)	356,585	5,168,091	0.1	4.5	40.0	28.1		1,251	Yes
CQ	Noise sensitive point: User defined (95)	356,556	5,168,167	0.6	4.5	40.0	28.6		1,177	Yes
CR	Noise sensitive point: User defined (96)	356,560	5,168,242	1.8	4.5	40.0	28.9		1,129	Yes
CS	Noise sensitive point: User defined (97)	356,378	5,168,086	6.1	4.5	40.0	29.0		1,115	Yes
CT	Noise sensitive point: User defined (98)	356,375	5,168,110	6.4	4.5	40.0	29.1		1,094	Yes
CU	Noise sensitive point: User defined (99)	356,368	5,168,165	7.5	4.5	40.0	29.5		1,048	Yes
CV	Noise sensitive point: User defined (100)	356,355	5,168,227	8.0	4.5	40.0	29.8		994	Yes
CW	Noise sensitive point: User defined (101)	356,309	5,168,112	7.2	4.5	40.0	29.4		1,051	Yes
CX	Noise sensitive point: User defined (102)	356,276	5,168,213	9.0	4.5	40.0	30.1		952	Yes
CY	Noise sensitive point: User defined (103)	356,196	5,168,180	8.1	4.5	40.0	30.3		928	Yes
CZ	Noise sensitive point: User defined (104)	356,343	5,168,321	8.7	4.5	40.0	30.4		917	Yes
DA	Noise sensitive point: User defined (105)	356,345	5,168,296	8.4	4.5	40.0	30.3		937	Yes
DB	Noise sensitive point: User defined (106)	356,377	5,168,303	8.5	4.5	40.0	30.1		954	Yes
DC	Noise sensitive point: User defined (107)	356,407	5,168,302	8.4	4.5	40.0	30.0		976	Yes
DD	Noise sensitive point: User defined (108)	356,419	5,168,260	7.8	4.5	40.0	29.7		1,014	Yes
DE	Noise sensitive point: User defined (109)	356,526	5,168,290	4.3	4.5	40.0	29.3		1,072	Yes
DF	Noise sensitive point: User defined (110)	356,540	5,168,383	5.3	4.5	40.0	29.6		1,021	Yes
DG	Noise sensitive point: User defined (111)	356,541	5,168,358	5.5	4.5	40.0	29.5		1,038	Yes
DH	Noise sensitive point: User defined (112)	356,535	5,168,335	5.5	4.5	40.0	29.5		1,048	Yes
DI	Noise sensitive point: User defined (113)	356,341	5,168,489	7.5	4.5	40.0	31.3		801	Yes
DJ	Noise sensitive point: User defined (114)	356,334	5,168,548	8.0	4.5	40.0	31.6		758	Yes
DK	Noise sensitive point: User defined (115)	356,367	5,168,735	8.2	4.5	40.0	32.3		676	Yes
DL	Noise sensitive point: User defined (116)	356,411	5,168,828	10.0	4.5	40.0	32.4		669	Yes
DM	Noise sensitive point: User defined (117)	356,329	5,168,801	8.7	4.5	40.0	32.9		610	Yes
DN	Noise sensitive point: User defined (118)	356,369	5,168,885	10.0	4.5	40.0	32.9		606	Yes
DO	Noise sensitive point: User defined (119)	356,555	5,168,775	6.3	4.5	40.0	31.1		822	Yes
DP	Noise sensitive point: User defined (120)	356,363	5,168,912	10.1	4.5	40.0	33.1		590	Yes
DQ	Noise sensitive point: User defined (121)	356,595	5,168,790	6.9	4.5	40.0	30.9		851	Yes
DR	Noise sensitive point: User defined (122)	356,686	5,168,858	7.4	4.5	40.0	30.5		908	Yes
DS	Noise sensitive point: User defined (123)	356,649	5,168,818	7.1	4.5	40.0	30.6		889	Yes
DT	Noise sensitive point: User defined (124)	356,745	5,168,882	6.6	4.5	40.0	30.1		955	Yes
DU	Noise sensitive point: User defined (125)	356,799	5,168,914	6.6	4.5	40.0	29.8		996	Yes
DV	Noise sensitive point: User defined (126)	356,845	5,168,943	6.0	4.5	40.0	29.6		1,031	Yes
DW	Noise sensitive point: User defined (127)	356,667	5,169,230	8.9	4.5	40.0	31.3		796	Yes
DX	Noise sensitive point: User defined (128)	356,631	5,169,196	10.4	4.5	40.0	31.6		766	Yes
DY	Noise sensitive point: User defined (129)	356,601	5,169,051	11.0	4.5	40.0	31.6		767	Yes
DZ	Noise sensitive point: User defined (130)	356,879	5,168,962	5.6	4.5	40.0	29.4		1,059	Yes
EA	Noise sensitive point: User defined (131)	356,900	5,168,974	5.9	4.5	40.0	29.3		1,075	Yes
EB	Noise sensitive point: User defined (132)	356,927	5,168,978	5.6	4.5	40.0	29.1		1,101	Yes
EC	Noise sensitive point: User defined (133)	357,058	5,169,065	7.3	4.5	40.0	28.4		1,209	Yes
ED	Noise sensitive point: User defined (134)	357,121	5,169,060	3.6	4.5	40.0	28.0		1,272	Yes
EE	Noise sensitive point: User defined (135)	357,233	5,169,087	4.6	4.5	40.0	27.4		1,378	Yes
EF	Noise sensitive point: User defined (136)	357,306	5,169,148	5.9	4.5	40.0	27.0		1,441	Yes
EG	Noise sensitive point: User defined (137)	357,347	5,169,173	6.8	4.5	40.0	26.8		1,478	Yes
EH	Noise sensitive point: User defined (138)	356,750	5,169,459	7.0	4.5	40.0	30.8		868	Yes
EI	Noise sensitive point: User defined (139)	356,805	5,169,402	8.6	4.5	40.0	30.4		922	Yes
EJ	Noise sensitive point: User defined (140)	356,828	5,169,557	6.8	4.5	40.0	30.1		952	Yes
EK	Noise sensitive point: User defined (141)	356,937	5,169,560	6.6	4.5	40.0	29.4		1,061	Yes
EL	Noise sensitive point: User defined (142)	357,008	5,169,575	7.0	4.5	40.0	28.9		1,133	Yes
EM	Noise sensitive point: User defined (143)	356,967	5,169,568	7.0	4.5	40.0	29.2		1,091	Yes
EN	Noise sensitive point: User defined (144)	357,530	5,169,441	4.2	4.5	40.0	25.8		1,647	Yes
EO	Noise sensitive point: User defined (145)	357,543	5,169,536	5.5	4.5	40.0	25.8		1,663	Yes
EP	Noise sensitive point: User defined (146)	357,333	5,169,592	7.3	4.5	40.0	26.9		1,458	Yes
EQ	Noise sensitive point: User defined (147)	357,394	5,169,618	9.2	4.5	40.0	26.5		1,521	Yes
ER	Noise sensitive point: User defined (148)	357,468	5,169,843	5.1	4.5	40.0	25.9		1,627	Yes
ES	Noise sensitive point: User defined (149)	357,483	5,169,783	2.7	4.5	40.0	25.9		1,631	Yes
ET	Noise sensitive point: User defined (150)	357,482	5,169,762	2.8	4.5	40.0	25.9		1,627	Yes
EU	Noise sensitive point: User defined (151)	357,486	5,169,747	2.7	4.5	40.0	25.9		1,628	Yes
EV	Noise sensitive point: User defined (152)	357,494	5,169,734	2.1	4.5	40.0	25.9		1,634	Yes
EW	Noise sensitive point: User defined (153)	357,283	5,169,801	8.5	4.5	40.0	27.0		1,437	Yes
EX	Noise sensitive point: User defined (154)	357,229	5,169,877	6.3	4.5	40.0	27.2		1,401	Yes
EY	Noise sensitive point: User defined (155)	357,303	5,169,897	7.2	4.5	40.0	26.8		1,477	Yes
EZ	Noise sensitive point: User defined (156)	357,296	5,170,044	5.5	4.5	40.0	26.6		1,509	Yes
FA	Noise sensitive point: User defined (157)	357,339	5,169,973	5.8	4.5	40.0	26.5		1,531	Yes

To be continued on next page...

DECI BEL - Main Result

Calculation: RWP E-126 @135m

...continued from previous page

No.	Name	Easting	Northing	Z	Imission height	Demands		Sound level	Distance to noise demand	Demands fulfilled ?
						Min Noise	Max From WTGs			
					[m]	[dB(A)]	[dB(A)]	[m]	Noise	
FB	Noise sensitive point: User defined (158)	357,301	5,169,949	5.5	4.5	40.0	26.7	1,488	Yes	
FC	Noise sensitive point: User defined (159)	357,232	5,170,074	5.1	4.5	40.0	26.9	1,457	Yes	
FD	Noise sensitive point: User defined (160)	357,264	5,170,134	4.4	4.5	40.0	26.6	1,507	Yes	
FE	Noise sensitive point: User defined (161)	357,364	5,170,233	2.4	4.5	40.0	25.9	1,635	Yes	
FF	Noise sensitive point: User defined (162)	357,401	5,170,220	2.6	4.5	40.0	25.7	1,665	Yes	
FG	Noise sensitive point: User defined (163)	357,428	5,170,160	3.1	4.5	40.0	25.7	1,670	Yes	
FH	Noise sensitive point: User defined (164)	356,524	5,171,275	5.0	4.5	40.0	25.9	1,629	Yes	
FI	Noise sensitive point: User defined (165)	356,550	5,171,280	5.2	4.5	40.0	25.8	1,648	Yes	
FJ	Noise sensitive point: User defined (166)	356,566	5,171,286	5.4	4.5	40.0	25.8	1,662	Yes	
FK	Noise sensitive point: User defined (167)	356,673	5,171,321	5.9	4.5	40.0	25.3	1,753	Yes	
FL	Noise sensitive point: User defined (168)	356,686	5,171,277	5.7	4.5	40.0	25.4	1,726	Yes	
FM	Noise sensitive point: User defined (169)	356,716	5,171,340	5.3	4.5	40.0	25.1	1,794	Yes	
FN	Noise sensitive point: User defined (170)	356,718	5,171,289	5.2	4.5	40.0	25.3	1,755	Yes	
FO	Noise sensitive point: User defined (171)	356,745	5,171,292	4.6	4.5	40.0	25.2	1,774	Yes	
FP	Noise sensitive point: User defined (172)	356,762	5,171,301	4.8	4.5	40.0	25.1	1,791	Yes	
FQ	Noise sensitive point: User defined (173)	356,758	5,171,351	5.5	4.5	40.0	24.9	1,828	Yes	
FR	Noise sensitive point: User defined (174)	356,782	5,171,357	5.5	4.5	40.0	24.8	1,848	Yes	
FS	Noise sensitive point: User defined (175)	356,788	5,171,309	5.0	4.5	40.0	25.0	1,814	Yes	
FT	Noise sensitive point: User defined (176)	356,842	5,171,325	4.5	4.5	40.0	24.7	1,860	Yes	
FU	Noise sensitive point: User defined (177)	356,675	5,170,754	8.3	4.5	40.0	27.7	1,328	Yes	
FV	Noise sensitive point: User defined (178)	356,716	5,170,720	8.2	4.5	40.0	27.6	1,335	Yes	
FW	Noise sensitive point: User defined (179)	356,745	5,170,690	7.6	4.5	40.0	27.6	1,337	Yes	
FX	Noise sensitive point: User defined (180)	356,800	5,170,651	6.9	4.5	40.0	27.5	1,354	Yes	
FY	Noise sensitive point: User defined (181)	356,842	5,170,617	6.6	4.5	40.0	27.4	1,367	Yes	
FZ	Noise sensitive point: User defined (182)	356,873	5,170,580	5.7	4.5	40.0	27.4	1,369	Yes	
GA	Noise sensitive point: User defined (183)	356,913	5,170,591	5.2	4.5	40.0	27.2	1,408	Yes	
GB	Noise sensitive point: User defined (184)	356,937	5,170,599	4.9	4.5	40.0	27.0	1,432	Yes	
GC	Noise sensitive point: User defined (185)	356,978	5,170,610	5.0	4.5	40.0	26.8	1,472	Yes	
GD	Noise sensitive point: User defined (186)	356,877	5,170,627	6.2	4.5	40.0	27.2	1,401	Yes	
GE	Noise sensitive point: User defined (187)	356,898	5,170,634	5.9	4.5	40.0	27.1	1,422	Yes	
GF	Noise sensitive point: User defined (188)	356,948	5,170,653	6.0	4.5	40.0	26.8	1,473	Yes	
GG	Noise sensitive point: User defined (189)	356,969	5,170,658	6.0	4.5	40.0	26.7	1,493	Yes	
GH	Noise sensitive point: User defined (190)	356,994	5,170,664	5.3	4.5	40.0	26.6	1,516	Yes	
GI	Noise sensitive point: User defined (191)	357,013	5,170,671	4.7	4.5	40.0	26.4	1,536	Yes	
GJ	Noise sensitive point: User defined (192)	357,039	5,170,678	4.5	4.5	40.0	26.3	1,561	Yes	
GK	Noise sensitive point: User defined (193)	357,029	5,170,720	5.4	4.5	40.0	26.2	1,578	Yes	
GL	Noise sensitive point: User defined (194)	356,978	5,170,705	5.8	4.5	40.0	26.5	1,528	Yes	
GM	Noise sensitive point: User defined (195)	356,948	5,170,694	6.0	4.5	40.0	26.7	1,498	Yes	
GN	Noise sensitive point: User defined (196)	356,919	5,170,687	6.3	4.5	40.0	26.8	1,470	Yes	
GO	Noise sensitive point: User defined (197)	356,890	5,170,678	6.8	4.5	40.0	27.0	1,442	Yes	
GP	Noise sensitive point: User defined (198)	356,853	5,170,667	7.1	4.5	40.0	27.2	1,406	Yes	
GQ	Noise sensitive point: User defined (199)	356,828	5,170,659	7.0	4.5	40.0	27.3	1,381	Yes	
GR	Noise sensitive point: User defined (200)	356,810	5,170,703	7.5	4.5	40.0	27.3	1,395	Yes	
GS	Noise sensitive point: User defined (201)	356,840	5,170,713	7.1	4.5	40.0	27.1	1,424	Yes	
GT	Noise sensitive point: User defined (202)	356,869	5,170,721	7.4	4.5	40.0	26.9	1,452	Yes	
GU	Noise sensitive point: User defined (203)	356,900	5,170,731	7.8	4.5	40.0	26.8	1,482	Yes	
GV	Noise sensitive point: User defined (204)	356,929	5,170,740	7.2	4.5	40.0	26.6	1,510	Yes	
GW	Noise sensitive point: User defined (205)	356,957	5,170,749	6.5	4.5	40.0	26.4	1,538	Yes	
GX	Noise sensitive point: User defined (206)	357,009	5,170,764	6.2	4.5	40.0	26.2	1,588	Yes	
GY	Noise sensitive point: User defined (207)	356,840	5,170,763	7.1	4.5	40.0	26.9	1,457	Yes	
GZ	Noise sensitive point: User defined (208)	356,830	5,170,792	7.3	4.5	40.0	26.8	1,468	Yes	
HA	Noise sensitive point: User defined (209)	356,877	5,170,813	7.0	4.5	40.0	26.6	1,517	Yes	
HB	Noise sensitive point: User defined (210)	356,893	5,170,769	7.5	4.5	40.0	26.6	1,501	Yes	
HC	Noise sensitive point: User defined (211)	356,911	5,170,823	7.2	4.5	40.0	26.4	1,550	Yes	
HD	Noise sensitive point: User defined (212)	356,923	5,170,776	7.3	4.5	40.0	26.5	1,528	Yes	
HE	Noise sensitive point: User defined (213)	356,940	5,170,832	6.9	4.5	40.0	26.2	1,577	Yes	
HF	Noise sensitive point: User defined (214)	356,952	5,170,786	6.4	4.5	40.0	26.3	1,557	Yes	
HG	Noise sensitive point: User defined (215)	356,965	5,170,837	7.0	4.5	40.0	26.1	1,600	Yes	
HH	Noise sensitive point: User defined (216)	356,976	5,170,792	6.5	4.5	40.0	26.2	1,580	Yes	
HI	Noise sensitive point: User defined (217)	356,989	5,170,848	7.0	4.5	40.0	26.0	1,625	Yes	
HJ	Noise sensitive point: User defined (218)	357,004	5,170,798	6.6	4.5	40.0	26.1	1,605	Yes	
HK	Noise sensitive point: User defined (219)	357,004	5,170,620	5.0	4.5	40.0	26.7	1,499	Yes	
HL	Noise sensitive point: User defined (220)	357,029	5,170,627	4.2	4.5	40.0	26.5	1,523	Yes	
HM	Noise sensitive point: User defined (221)	357,050	5,170,632	4.0	4.5	40.0	26.4	1,544	Yes	

To be continued on next page...

DECIBEL - Main Result

Calculation: RWP E-126 @135m

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Noise sensitive area						Demands		Sound level		Demands fulfilled ?	
No.	Name	Easting	Northing	Z	Imission height	Min Noise	Max From WTGs	Distance to noise demand	Noise		
				[m]	[m]	[dB(A)]	[dB(A)]	[m]			
HN	Noise sensitive point: User defined (222)	357,076	5,170,638	4.0	4.5	40.0	26.3	1,569	Yes		
HO	Noise sensitive point: User defined (223)	357,119	5,170,651	4.3	4.5	40.0	26.0	1,611	Yes		
HP	Noise sensitive point: User defined (224)	357,066	5,170,684	4.7	4.5	40.0	26.2	1,586	Yes		
HQ	Noise sensitive point: User defined (225)	357,095	5,170,697	4.6	4.5	40.0	26.0	1,618	Yes		
HR	Noise sensitive point: User defined (226)	357,138	5,170,711	5.2	4.5	40.0	25.8	1,661	Yes		
HS	Noise sensitive point: User defined (227)	357,149	5,170,757	5.9	4.5	40.0	25.6	1,696	Yes		
HT	Noise sensitive point: User defined (228)	357,033	5,170,859	6.9	4.5	40.0	25.7	1,666	Yes		
HU	Noise sensitive point: User defined (229)	357,054	5,170,864	6.5	4.5	40.0	25.6	1,686	Yes		
HV	Noise sensitive point: User defined (230)	357,075	5,170,872	6.1	4.5	40.0	25.5	1,707	Yes		
HW	Noise sensitive point: User defined (231)	357,098	5,170,877	5.7	4.5	40.0	25.4	1,728	Yes		
HX	Noise sensitive point: User defined (232)	357,077	5,170,823	6.3	4.5	40.0	25.7	1,678	Yes		
HY	Noise sensitive point: User defined (233)	357,100	5,170,832	6.0	4.5	40.0	25.6	1,702	Yes		
HZ	Noise sensitive point: User defined (234)	357,132	5,170,839	6.0	4.5	40.0	25.4	1,732	Yes		
IA	Noise sensitive point: User defined (235)	357,141	5,170,810	6.0	4.5	40.0	25.5	1,721	Yes		
IB	Noise sensitive point: User defined (236)	357,154	5,170,843	6.1	4.5	40.0	25.3	1,752	Yes		
IC	Noise sensitive point: User defined (237)	357,090	5,170,566	4.8	4.5	40.0	26.4	1,541	Yes		
ID	Noise sensitive point: User defined (238)	357,246	5,170,536	2.2	4.5	40.0	25.8	1,659	Yes		
IE	Noise sensitive point: User defined (239)	357,257	5,170,580	2.8	4.5	40.0	25.6	1,690	Yes		
IF	Noise sensitive point: User defined (240)	357,211	5,170,636	4.1	4.5	40.0	25.7	1,681	Yes		
IG	Noise sensitive point: User defined (241)	357,305	5,170,679	3.7	4.5	40.0	25.1	1,783	Yes		
IH	Noise sensitive point: User defined (242)	357,268	5,170,736	4.9	4.5	40.0	25.1	1,783	Yes		
II	Noise sensitive point: User defined (243)	357,198	5,170,758	5.7	4.5	40.0	25.4	1,737	Yes		
IJ	Noise sensitive point: User defined (244)	357,213	5,170,791	5.8	4.5	40.0	25.2	1,768	Yes		
IK	Noise sensitive point: User defined (245)	357,239	5,170,815	5.7	4.5	40.0	25.0	1,803	Yes		
IL	Noise sensitive point: User defined (246)	357,226	5,170,846	6.0	4.5	40.0	25.0	1,811	Yes		
IM	Noise sensitive point: User defined (247)	357,252	5,170,882	5.4	4.5	40.0	24.8	1,853	Yes		
IN	Noise sensitive point: User defined (248)	357,322	5,170,748	5.3	4.5	40.0	24.9	1,834	Yes		
IO	Noise sensitive point: User defined (249)	357,413	5,170,591	4.1	4.5	40.0	24.9	1,832	Yes		
IP	Noise sensitive point: User defined (250)	357,189	5,170,849	6.0	4.5	40.0	25.1	1,783	Yes		
IQ	Noise sensitive point: User defined (251)	357,163	5,170,897	6.7	4.5	40.0	25.1	1,792	Yes		
IR	Noise sensitive point: User defined (252)	357,205	5,170,909	6.2	4.5	40.0	24.9	1,832	Yes		
IS	Noise sensitive point: User defined (253)	357,208	5,170,936	6.3	4.5	40.0	24.8	1,851	Yes		
IT	Noise sensitive point: User defined (254)	357,203	5,170,961	6.1	4.5	40.0	24.7	1,862	Yes		
IU	Noise sensitive point: User defined (255)	356,872	5,169,655	5.2	4.5	40.0	29.7	1,008	Yes		
IV	Noise sensitive point: User defined (256)	356,352	5,168,257	8.0	4.5	40.0	30.0	970	Yes		
IW	Noise sensitive point: User defined (257)	356,267	5,168,692	7.0	4.5	40.0	32.8	617	Yes		
IX	Noise sensitive point: User defined (258)	357,423	5,170,110	2.8	4.5	40.0	25.8	1,650	Yes		
IY	Noise sensitive point: User defined (259)	357,008	5,170,362	2.9	4.5	40.0	27.4	1,367	Yes		
IZ	Noise sensitive point: User defined (260)	357,093	5,170,600	4.5	4.5	40.0	26.3	1,562	Yes		
JA	Noise sensitive point: User defined (261)	357,235	5,170,724	4.7	4.5	40.0	25.3	1,749	Yes		
JB	Noise sensitive point: User defined (262)	357,259	5,170,780	5.0	4.5	40.0	25.0	1,800	Yes		
JC	Noise sensitive point: User defined (263)	356,332	5,169,228	7.0	4.5	40.0	34.2	466	Yes		
JD	Noise sensitive point: User defined (264)	356,356	5,169,471	8.7	4.5	40.0	34.1	475	Yes		
JE	Noise sensitive point: User defined (265)	356,180	5,169,212	7.9	4.5	40.0	35.8	320	Yes		
JF	Noise sensitive point: User defined (266)	356,222	5,169,544	7.2	4.5	40.0	35.5	348	Yes		
JG	Noise sensitive point: User defined (267)	356,373	5,169,540	7.4	4.5	40.0	33.9	498	Yes		
JH	Noise sensitive point: User defined (268)	356,609	5,169,624	6.7	4.5	40.0	31.8	743	Yes		
JI	Noise sensitive point: User defined (269)	356,706	5,169,707	5.3	4.5	40.0	30.9	853	Yes		
JJ	Noise sensitive point: User defined (270)	356,943	5,169,619	5.4	4.5	40.0	29.3	1,073	Yes		
JK	Noise sensitive point: User defined (271)	356,413	5,167,697	2.3	4.5	40.0	26.9	1,448	Yes		
JL	Noise sensitive point: User defined (272)	356,486	5,167,758	3.0	4.5	40.0	27.0	1,440	Yes		
JM	Noise sensitive point: User defined (273)	356,487	5,167,618	2.5	4.5	40.0	26.3	1,554	Yes		
JN	Noise sensitive point: User defined (274)	356,528	5,167,633	2.7	4.5	40.0	26.3	1,565	Yes		
JO	Noise sensitive point: User defined (275)	356,201	5,168,094	8.7	4.5	40.0	29.8	1,000	Yes		
JP	Noise sensitive point: User defined (276)	356,284	5,168,140	8.2	4.5	40.0	29.7	1,014	Yes		
JQ	Noise sensitive point: User defined (277)	356,368	5,168,190	7.8	4.5	40.0	29.6	1,030	Yes		
JR	Noise sensitive point: User defined (278)	356,263	5,168,331	10.2	4.5	40.0	30.9	855	Yes		
JS	Noise sensitive point: User defined (279)	356,300	5,168,248	8.6	4.5	40.0	30.2	941	Yes		
JT	Noise sensitive point: User defined (280)	356,126	5,168,254	10.0	4.5	40.0	31.1	827	Yes		
JU	Noise sensitive point: User defined (281)	356,201	5,168,252	8.9	4.5	40.0	30.7	874	Yes		
JV	Noise sensitive point: User defined (282)	356,308	5,168,753	7.6	4.5	40.0	32.8	617	Yes		
JW	Noise sensitive point: User defined (283)	356,260	5,168,795	9.0	4.5	40.0	33.4	554	Yes		
JX	Noise sensitive point: User defined (284)	356,346	5,168,839	9.5	4.5	40.0	32.9	607	Yes		
JY	Noise sensitive point: User defined (285)	356,642	5,169,378	8.2	4.5	40.0	31.6	760	Yes		

To be continued on next page...

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Noise sensitive area

No.	Name	Easting	Northing	Z	Imission height [m]	Demands		Sound level Max From WTGs [dB(A)]	Distance to noise demand [m]	Demands fulfilled ? Noise
						Min Noise [dB(A)]	Max From WTGs [dB(A)]			
JZ	Noise sensitive point: User defined (286)	356,900	5,169,551	6.9	4.5	40.0	29.6	1,023	Yes	
KA	Noise sensitive point: User defined (287)	357,195	5,169,902	5.5	4.5	40.0	27.4	1,373	Yes	
KB	Noise sensitive point: User defined (288)	357,153	5,169,954	5.4	4.5	40.0	27.5	1,347	Yes	
KC	Noise sensitive point: User defined (289)	357,176	5,169,972	4.9	4.5	40.0	27.4	1,374	Yes	
KD	Noise sensitive point: User defined (290)	357,098	5,170,021	4.2	4.5	40.0	27.7	1,313	Yes	
KE	Noise sensitive point: User defined (291)	357,128	5,170,420	3.0	4.5	40.0	26.6	1,500	Yes	
KF	Noise sensitive point: User defined (292)	357,041	5,170,474	3.2	4.5	40.0	26.9	1,451	Yes	
KG	Noise sensitive point: User defined (293)	357,162	5,170,341	1.8	4.5	40.0	26.7	1,493	Yes	
KH	Noise sensitive point: User defined (294)	357,132	5,170,300	2.5	4.5	40.0	26.9	1,449	Yes	
KI	Noise sensitive point: User defined (295)	356,889	5,170,427	4.7	4.5	40.0	27.8	1,297	Yes	
KJ	Noise sensitive point: User defined (296)	356,801	5,170,455	5.6	4.5	40.0	28.2	1,238	Yes	
KK	Noise sensitive point: User defined (297)	356,698	5,167,812	2.3	4.5	40.0	26.5	1,532	Yes	
KL	Noise sensitive point: User defined (298)	356,708	5,170,573	6.3	4.5	40.0	28.2	1,234	Yes	
KM	Noise sensitive point: User defined (299)	356,657	5,170,619	7.0	4.5	40.0	28.3	1,224	Yes	
KN	Noise sensitive point: User defined (300)	356,587	5,170,727	6.7	4.5	40.0	28.2	1,246	Yes	
KO	Noise sensitive point: User defined (301)	356,974	5,170,512	3.9	4.5	40.0	27.1	1,414	Yes	
KP	Noise sensitive point: User defined (302)	356,477	5,170,638	7.5	4.5	40.0	29.1	1,105	Yes	
KQ	Noise sensitive point: User defined (303)	357,361	5,170,668	3.8	4.5	40.0	24.9	1,825	Yes	
KR	Noise sensitive point: User defined (304)	357,198	5,170,718	5.2	4.5	40.0	25.5	1,714	Yes	
KS	Noise sensitive point: User defined (305)	357,462	5,170,065	3.0	4.5	40.0	25.7	1,674	Yes	

Distances (m)

WTG
NSA 1
A 1452
B 2424
C 2440
D 2431
E 2432
F 2267
G 2205
H 2201
I 2198
J 2187
K 2102
L 2061
M 2217
N 2169
O 2198
P 2228
Q 2242
R 2160
S 2171
T 2139
U 2150
V 2159
W 1951
X 1965
Y 1950
Z 1979
AA 1986
AB 2002
AC 1969
AD 2089
AE 2134
AF 2215
AG 2170
AH 2135
AI 2145
AJ 2089
AK 2140
AL 2133
AM 2093

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WTG

NSA 1
AN 2140
AO 2141
AP 2144
AQ 1843
AR 1876
AS 1817
AT 1801
AU 1989
AV 1959
AW 1929
AX 1890
AY 1872
AZ 1880
BA 1897
BB 1956
BC 1919
BD 1967
BE 1998
BF 2005
BG 1993
BH 1947
BI 1957
BJ 2047
BK 2063
BL 2098
BM 2097
BN 2108
BO 2102
BP 2123
BQ 2165
BR 2202
BS 2227
BT 2149
BU 2183
BV 2207
BW 2209
BX 2216
BY 2219
BZ 2245
CA 2219
CB 2214
CC 2136
CD 2136
CE 2130
CF 2218
CG 2142
CH 1812
CI 1791
CJ 1784
CK 1724
CL 1711
CM 1871
CN 1895
CO 1824
CP 1868
CQ 1794
CR 1746
CS 1732
CT 1712
CU 1666
CV 1611
CW 1668
CX 1569
CY 1545
CZ 1535
DA 1554

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WTG
NSA 1
DB 1571
DC 1594
DD 1632
DE 1689
DF 1639
DG 1656
DH 1666
DI 1419
DJ 1375
DK 1294
DL 1287
DM 1228
DN 1224
DO 1439
DP 1207
DQ 1469
DR 1526
DS 1507
DT 1572
DU 1613
DV 1648
DW 1414
DX 1383
DY 1384
DZ 1676
EA 1693
EB 1718
EC 1826
ED 1889
EE 1995
EF 2058
EG 2096
EH 1485
EI 1540
EJ 1569
EK 1678
EL 1750
EM 1709
EN 2265
EO 2281
EP 2075
EQ 2139
ER 2244
ES 2248
ET 2244
EU 2246
EV 2252
EW 2055
EX 2018
EY 2094
EZ 2126
FA 2148
FB 2105
FC 2075
FD 2125
FE 2253
FF 2283
FG 2288
FH 2247
FI 2266
FJ 2280
FK 2371
FL 2343
FM 2411
FN 2372
FO 2391

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WTG

NSA 1
FP 2409
FQ 2446
FR 2465
FS 2431
FT 2478
FU 1945
FV 1952
FW 1954
FX 1971
FY 1983
FZ 1986
GA 2025
GB 2049
GC 2089
GD 2017
GE 2038
GF 2090
GG 2110
GH 2133
GI 2153
GJ 2178
GK 2195
GL 2145
GM 2114
GN 2087
GO 2059
GP 2023
GQ 1998
GR 2012
GS 2042
GT 2069
GU 2099
GV 2128
GW 2155
GX 2205
GY 2074
GZ 2085
HA 2134
HB 2118
HC 2167
HD 2146
HE 2195
HF 2174
HG 2217
HH 2197
HI 2242
HJ 2222
HK 2116
HL 2141
HM 2161
HN 2186
HO 2229
HP 2204
HQ 2235
HR 2278
HS 2314
HT 2283
HU 2303
HV 2324
HW 2345
HX 2295
HY 2319
HZ 2349
IA 2338
IB 2369
IC 2158

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DECIBEL - Main Result

Calculation: RWP E-126 @135m

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WTG

NSA 1
ID 2277
IE 2308
IF 2298
IG 2400
IH 2400
II 2354
IJ 2386
IK 2421
IL 2428
IM 2470
IN 2452
IO 2449
IP 2400
IQ 2409
IR 2449
IS 2468
IT 2480
IU 1625
IV 1587
IW 1235
IX 2267
IY 1984
IZ 2179
JA 2366
JB 2417
JC 1083
JD 1092
JE 937
JF 966
JG 1115
JH 1360
JI 1470
JJ 1690
JK 2065
JL 2057
JM 2172
JN 2183
JO 1618
JP 1631
JQ 1647
JR 1472
JS 1559
JT 1444
JU 1492
JV 1234
JW 1171
JX 1224
JY 1377
JZ 1640
KA 1991
KB 1964
KC 1991
KD 1931
KE 2117
KF 2068
KG 2111
KH 2066
KI 1914
KJ 1855
KK 2149
KL 1851
KM 1841
KN 1863
KO 2031
KP 1723
KQ 2442

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DECIBEL - Main Result

Calculation: RWP E-126 @135m

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WTG

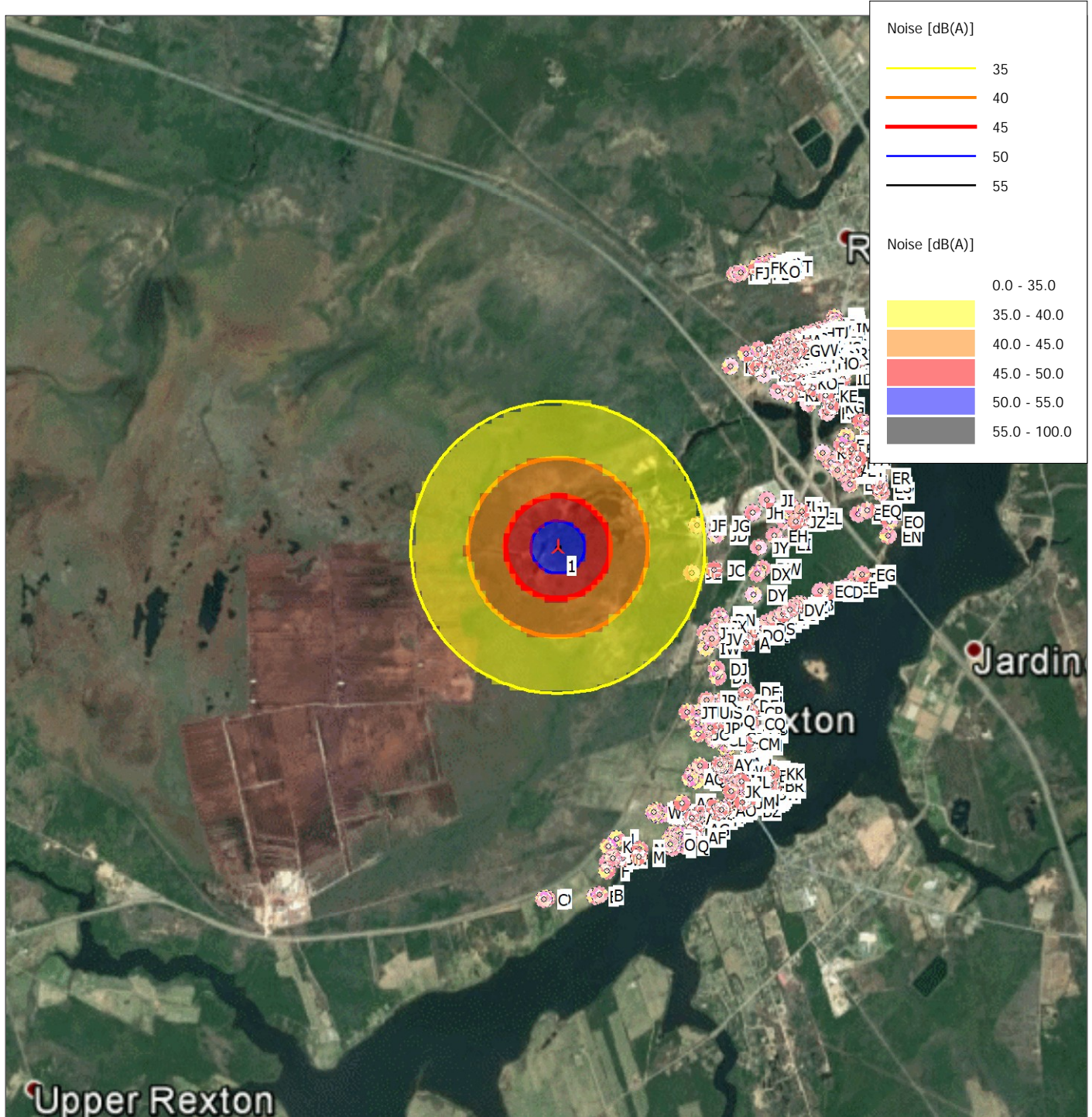
NSA 1

KR 2332

KS 2291

DECIBEL - Map 10.0 m/s

Calculation: RWP E-126 @135m



Map: WindPRO map , Print scale 1:40,000, Map center UTM (north)-WGS84 Zone: 20 East: 355,265 North: 5,169,414

Noise calculation model: ISO 9613-2 General. Wind speed: 10.0 m/s
Height above sea level from active line object