



Project:

Swierczyny_gm. Bartniczka

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2015-07-29 10:06 / 1

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Calculated:

2015-07-29 09:16/2.9.285

DECIBEL - Main Result

Calculation: Analiza akustyczna EW 1 MW_dz. 277/2_wariant II

Noise calculation model:

ISO 9613-2 Poland

Wind speed:

10,0 m/s

Ground attenuation:

General, Ground factor: 0,0

Meteorological coefficient, C0:

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:

Pure and Impulse tone penalty are added to WTG source noise

Height above ground level, when no value in NSA object:

4,0 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 1:20 000

New WTG

Noise sensitive area

WTGs

Polish GK 1992/19-ETRS89				WTG type		Noise data											
East	North	Z	Row	Valid	Manufact.	Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Creator	Name	Wind speed [m/s]	Status	Lwa,ref [dB(A)]	Pure tones		
1	531 203	595 081	143,9	1	MW_wariant II	No	elekrownia wiatrowa 1,0 MW	-1 000	1 000	60,0	80,0	USER	Level 0 - measured - 0 -07-2006	10,0	User value	102,0	0 dB

h) Generic octave distribution used

Calculation Results

Sound Level

No.	Name	East	North	Z	Imission height [m]	Noise [dB(A)]	Sound Level From WTGs [dB(A)]	Distance to noise demand [m]	Demands fulfilled ?
A	A	530 769	595 418	142,0	4,0	45,0	37,3	309	Yes
B	B	531 004	595 490	144,0	4,0	45,0	39,2	214	Yes
C	C	531 529	594 879	142,3	4,0	45,0	40,8	143	Yes
D	D	530 712	595 032	136,5	4,0	45,0	38,3	255	Yes
E	E	531 082	594 861	141,6	4,0	45,0	44,6	13	Yes
F	F	530 779	594 898	135,9	4,0	45,0	39,0	224	Yes
G	G	531 174	594 662	140,3	4,0	45,0	39,9	182	Yes
H	H	531 359	594 547	140,4	4,0	45,0	37,2	318	Yes

Distances (m)

WTG	NSA	Distance (m)
1	1	549
A	1	459
B	1	384
C	1	494
D	1	252
E	1	463
F	1	421
G	1	557