

Project: EW Zawidz-Raciaz	Description: Działka ewidencyjna 67 obr. Osiek Piaseczny. Emitor dźwięku: EW Osiek (67): - wysokość masztu: 60 m, - moc akustyczna: 106,0 dB (A), - współczynnik szorstkości gruntu G=0 (zasada przezorności, niezgodnie z PN-ISO 9613-2:2002 Akustyka). Punkty emisji równowaznego poziomu dźwięku: - H1: H15.	Printed/Page: 2014-02-02 14:46 / 1 Licensed user: NATURO Piotr Dmochowski ul. Owsiana 1A PL-81-020 Gdynia (+48) 501 552 536 Piotr Dmochowski / piotr@naturo.info Calculated: 2014-02-02 14:44/2.8.579
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DECIBEL - Main Result

Calculation: Zal. 3.2 Analiza akustyczna: EW Osiek (67) (zasada przezorności)

Noise calculation model:

ISO 9613-2 General

Wind speed:

13,0 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

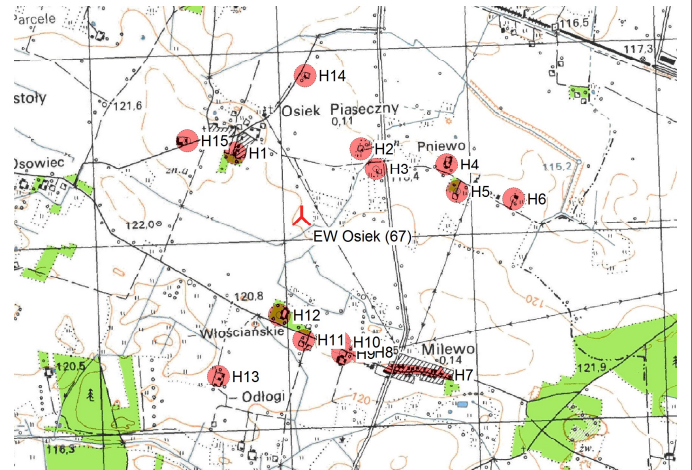
Height above ground level, when no value in NSA object:

4,0 m Don't 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 1:40 000

New WTG

Noise sensitive area

WTGs

Polish GK 1992/19-ETRS89				WTG type			Noise data									
East	North	Z	Row data/Description	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	
		[m]														
EW Osiek (67)	563 726	548 113	120,0	VESTAS V80-2.0MW 2000 ...	Yes	VESTAS	V80-2.0MW-2 000	2 000	80,0	60,0	EMD	Mode 0	13,0	User value	106,0	0 dB h

h) Generic octave distribution used

Calculation Results

Sound Level

Noise sensitive area No.	Name	Polish GK 1992/19-ETRS89			Imission height [m]	Demands Noise [dB(A)]	Sound Level From WTGs [dB(A)]	Demands fulfilled ?
		East	North	Z [m]				
H1	Noise sensitive point: (1)	563 374	548 452	122,0	4,0	45,0	42,5	Yes
H10	Noise sensitive point: (10)	563 926	547 444	122,5	4,0	45,0	38,9	Yes
H11	Noise sensitive point: (11)	563 738	547 456	122,0	4,0	45,0	39,6	Yes
H12	Noise sensitive point: (12)	563 608	547 589	121,5	4,0	45,0	41,6	Yes
H13	Noise sensitive point: (13)	563 285	547 263	121,2	4,0	45,0	35,6	Yes
H14	Noise sensitive point: (36)	563 744	548 858	118,5	4,0	45,0	38,3	Yes
H15	Noise sensitive point: (37)	563 120	548 516	123,0	4,0	45,0	38,5	Yes
H2	Noise sensitive point: (2)	564 041	548 474	118,0	4,0	45,0	42,7	Yes
H3	Noise sensitive point: (3)	564 121	548 367	118,0	4,0	45,0	42,9	Yes
H4	Noise sensitive point: (4)	564 495	548 390	117,8	4,0	45,0	37,3	Yes
H5	Noise sensitive point: (5)	564 550	548 245	118,0	4,0	45,0	37,1	Yes
H6	Noise sensitive point: (6)	564 850	548 206	118,0	4,0	45,0	33,9	Yes
H7	Noise sensitive area: (7)	564 196	547 330	122,0	4,0	45,0	36,1	Yes
H8	Noise sensitive point: (8)	564 038	547 391	122,5	4,0	45,0	37,7	Yes
H9	Noise sensitive point: (9)	563 944	547 383	122,5	4,0	45,0	38,0	Yes

Distances (m)

WTG	
NSA	EW Osiek (67)
H1	489
H10	698
H11	657
H12	537
H13	958
H14	745
H15	728
H2	479
H3	470

To be continued on next page...

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DECIBEL - Main Result

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WTG

NSA	EW Osiek (67)
H4	818
H5	835
H6	1128
H7	914
H8	787
H9	762