Project:
czerniejewo_swt_4.6

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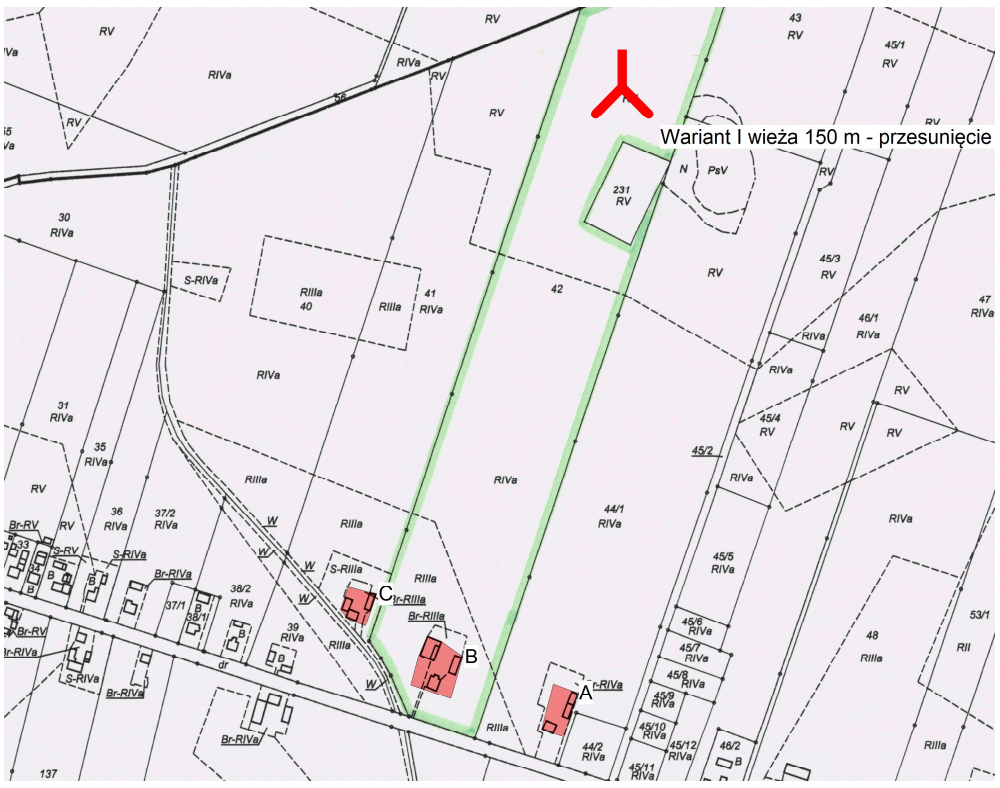
Calculated:
2015-05-18 14:32/2.9.285

DECIBEL - Main Result

Calculation: Wariant I wie¿a 150 m - przesuniecie 30 m

Noise calculation model:
ISO 9613-2 Poland
Wind speed:
10,0 m/s
Ground attenuation:
Alternative
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 1:7 500

New WTG Noise sensitive area

WTGs

	Poland CS 92				WTG type							Noise data					
	East	North	Z [m]	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
1	399 536	508 301	108,0	Wariant I wie¿a 150 m - przesuniêcie 30 m	Yes	SWT	W 130 (104,5 dB)-3 500	3 500	130,0	150,0	USER	Runtime input	10,0	User value	104,5	0 dB

Calculation Results

Sound Level

Noise sensitive area		Poland CS 92				Demands	Sound Level		Demands fulfilled ?
No.	Name	East	North	Z [m]	Imission height [m]	Noise [dB(A)]	From WTGs [dB(A)]	Distance to noise demand [m]	Noise
A	Zab. zagrodowa na dz. nr 44/1 obr. Pakszyn	399 458	507 712	108,0	4,0	45,0	39,2	279	Yes
B	Zab. zagrodowa na dz. nr 42 obr. Pakszyn	399 333	507 761	108,0	4,0	45,0	39,6	262	Yes
C	Zab. zagrodowa na dz. nr 41 obr. Pakszyn	399 284	507 804	108,0	4,0	45,0	40,1	243	Yes

Distances (m)

	WTG
NSA	1
A	595
B	577
C	558