

Project:

20110720 czaplunek

Description:

turbina GE2.75
srednica D=118m, wieza h=139m
halas 107dB

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Calculated:

2011-07-20 15:14/2.7.486

DECIBEL - Main Result**Calculation:** GE2.75-118 (h=139m)**Noise calculation model:**

ISO 9613-2 General

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:

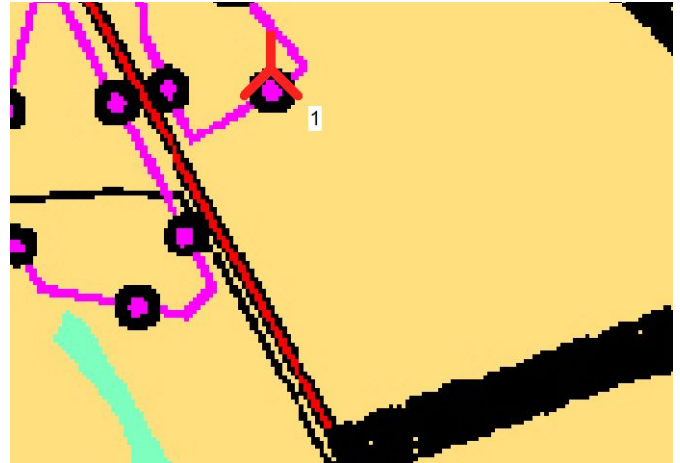
Pure and Impulse tone penalty are added to WTG source noise

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

4,0 m 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 1:10 000

New WTG

Noise sensitive area

WTGs

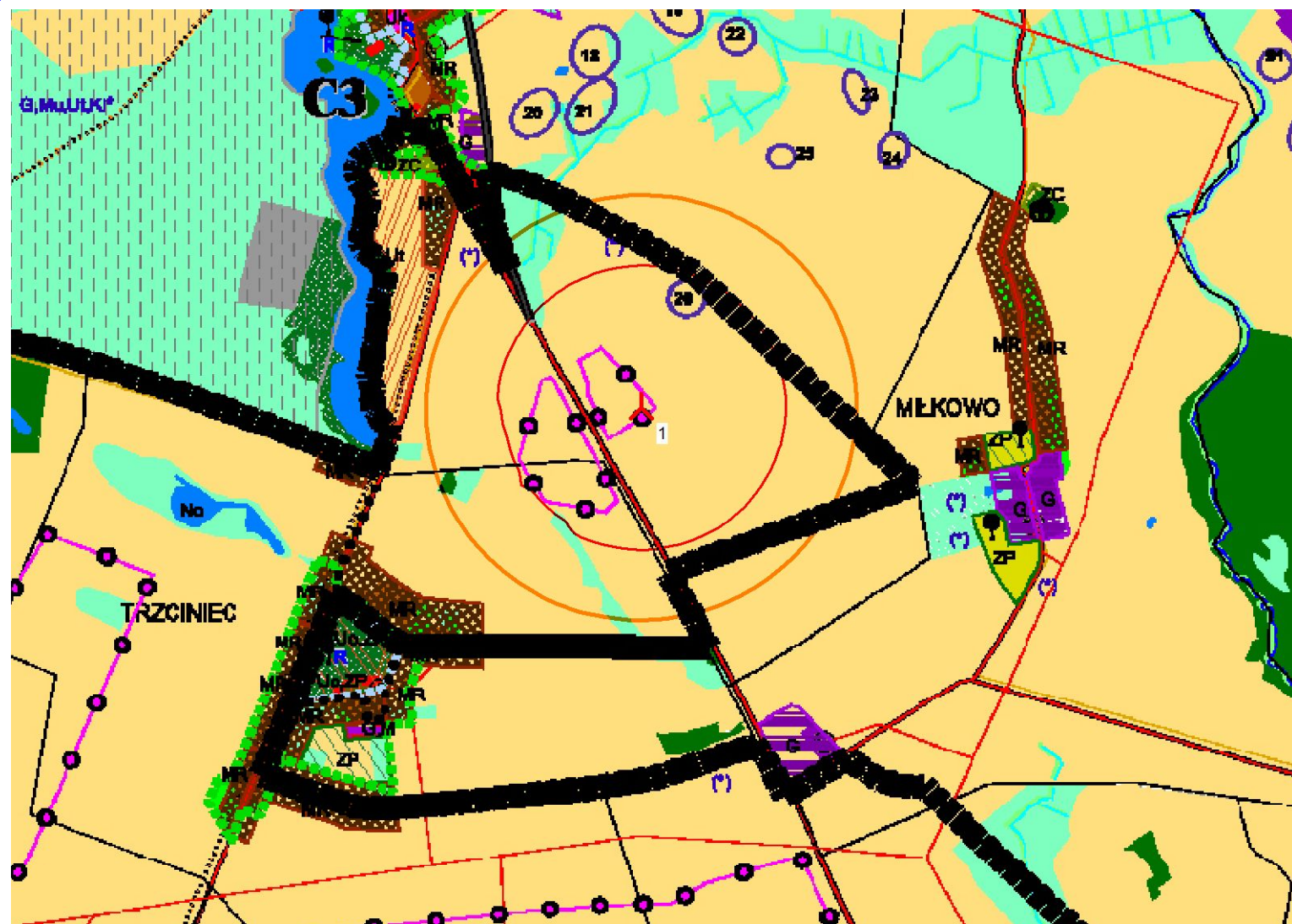
Poland UKLAD 65 3				WTG type		Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Noise data				
East	North	Z	Row data/Description	Valid	Manufact.					Creator	Name	Wind speed [m/s]	LwA,ref [dB(A)]	Pure tones
Poland UKLAD 65 3		[m]												
1	3 455 580	5 991 416	145,0 1	No	GE WIND ENERGY	GE2.75-118-2 750	2 750	118,0	139,0	USER	level 0	10,0	107,0	0 dB No

Calculation Results**Sound Level**

Noise sensitive area		Poland UKLAD 65 3			Imission height [m]	Demands		Sound Level		Demands fulfilled ?	
No.	Name	East	North	Z [m]		Noise [dB(A)]	From WTGs [dB(A)]	Noise		Noise	
A	Noise sensitive area: (1)	3 455 105	5 992 031	141,0	4,0	40,0	38,1			Yes	
B	Noise sensitive area: (2)	3 455 053	5 992 086	142,0	4,0	40,0	36,9			Yes	
C	Noise sensitive area: (6)	3 456 629	5 991 292	145,0	4,0	40,0	34,1			Yes	
D	Noise sensitive area: (7)	3 454 844	5 990 831	140,0	4,0	40,0	35,6			Yes	
E	Noise sensitive area: (8)	3 454 794	5 990 861	140,0	4,0	40,0	35,3			Yes	

Distances (m)

WTG	
NSA	1
A	776
B	852
C	1057
D	941
E	962



Map: plan wycinek 07.2011, Print scale 1:20 000, Map center Poland UKLAD 65 3 East: 3 455 663 North: 5 991 188
Noise calculation model: ISO 9613-2 General. Wind speed: 10,0 m/s

Height above sea level: 140,0 m

New WTG

45,0 dB(A)

40,0 dB(A)

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DECIBEL -

Map 10,0 m/s

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GE2.75-118 (h=139m)

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