

Project:

Lars Hoem - Byneset

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Calculated:

30.11.2007 15:17/2.5.5.74

DECIBEL - Main Result

Calculation: Vindturbin i punktalternativ 2

Noise calculation model:

ISO 9613-2 General

Wind speed:

8.0 m/s

Ground attenuation:

General, Ground factor: 0.5

Meteorological coefficient, C0:

1.0 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:

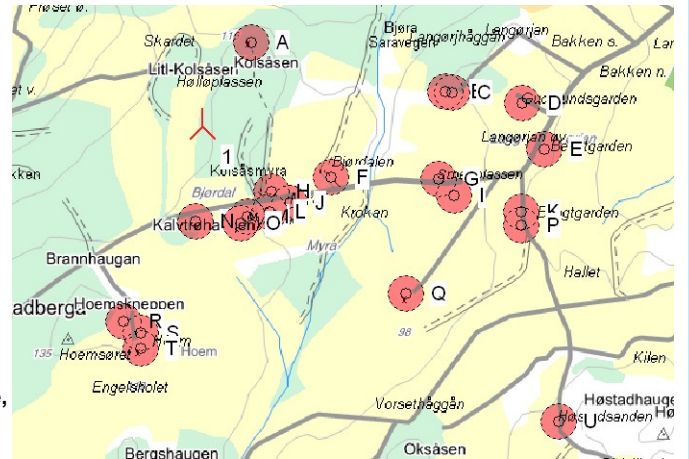
Pure and Impulse tone penalty are added to WTG source noise

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 1:20 000
New WTG Noise sensitive area

WTGs

UTM WGS84 Zone: 32			WTG type				Noise data								
East	North	Z	Row	Valid	Manufact.	Type	Power	Diam.	Height	Creator	Name	Wind speed	LwA,ref	Pure tones	Octave data
		[m]	data/Description				[kW]	[m]	[m]			[m/s]	[dB(A)]	0 dB	Generic *)
1 555 784	7 032 629	98	Alternativ 2	No	DANWIN		225/27	27.0	30.0	USER	Modifisert til Lden	8.0	103.8	0 dB	Generic *)

*)Notice: One or more noise data for this WTG is generic or input by user

Calculation Results

Sound Level

Noise sensitive area		UTM WGS84 Zone: 32			Demands		Sound Level		Demands fulfilled ?
No.	Name	East	North	Z	Imission height	Noise	From WTGs	Noise	
					[m]	[dB(A)]	[dB(A)]		
A	Noise Sensitive Point: 50 dB	555 914	7 032 850	107	4.0	50.0	44.9	50.0	Yes
B	Noise Sensitive Point: 50 dB	556 428	7 032 720	97	4.0	50.0	35.2	50.0	Yes
C	Noise Sensitive Point: 50 dB	556 447	7 032 718	99	4.0	50.0	34.9	50.0	Yes
D	Noise Sensitive Point: 50 dB	556 634	7 032 691	105	4.0	50.0	32.2	50.0	Yes
E	Noise Sensitive Point: 50 dB	556 692	7 032 569	102	4.0	50.0	31.5	50.0	Yes
F	Noise Sensitive Point: 50 dB	556 124	7 032 494	93	4.0	50.0	41.3	50.0	Yes
G	Noise Sensitive Point: 50 dB	556 410	7 032 491	96	4.0	50.0	35.3	50.0	Yes
H	Noise Sensitive Point: 50 dB	555 968	7 032 456	99	4.0	50.0	45.0	50.0	Yes
I	Noise Sensitive Point: 50 dB	556 453	7 032 446	98	4.0	50.0	34.5	50.0	Yes
J	Noise Sensitive Point: 50 dB	556 016	7 032 426	98	4.0	50.0	43.1	50.0	Yes
K	Noise Sensitive Point: 50 dB	556 630	7 032 403	100	4.0	50.0	31.9	50.0	Yes
L	Noise Sensitive Point: 50 dB	555 962	7 032 403	100	4.0	50.0	43.7	50.0	Yes
M	Noise Sensitive Point: 50 dB	555 904	7 032 390	101	4.0	50.0	44.4	50.0	Yes
N	Noise Sensitive Point: 50 dB	555 766	7 032 378	105	4.0	50.0	45.0	50.0	Yes
O	Noise Sensitive Point: 50 dB	555 886	7 032 373	102	4.0	50.0	44.2	50.0	Yes
P	Noise Sensitive Point: 50 dB	556 631	7 032 369	100	4.0	50.0	31.8	50.0	Yes
Q	Noise Sensitive Point: 50 dB	556 325	7 032 189	97	4.0	50.0	34.4	50.0	Yes
R	Noise Sensitive Point: 50 dB	555 575	7 032 114	122	4.0	50.0	36.9	50.0	Yes
S	Noise Sensitive Point: 50 dB	555 621	7 032 083	120	4.0	50.0	36.6	50.0	Yes
T	Noise Sensitive Point: 50 dB	555 620	7 032 043	120	4.0	50.0	35.9	50.0	Yes
U	Noise Sensitive Point: 50 dB	556 730	7 031 851	125	4.0	50.0	28.4	50.0	Yes

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DECIBEL - Main Result**Calculation:** Vindturbin i punktalternativ 2**Distances (m)****WTG**

NSA	1
A	256
B	650
C	669
D	852
E	910
F	366
G	641
H	253
I	694
J	308
K	876
L	288
M	267
N	252
O	276
P	886
Q	697
R	556
S	570
T	609
U	1225