

Assessment of the Potential
Noise Impact of a Proposed
Enercon E-70 Wind Turbine at
Princes Soft Drinks, Bradford

Enercon E-70 Wind turbine



Plan of Princes Soft Drinks, Bradford



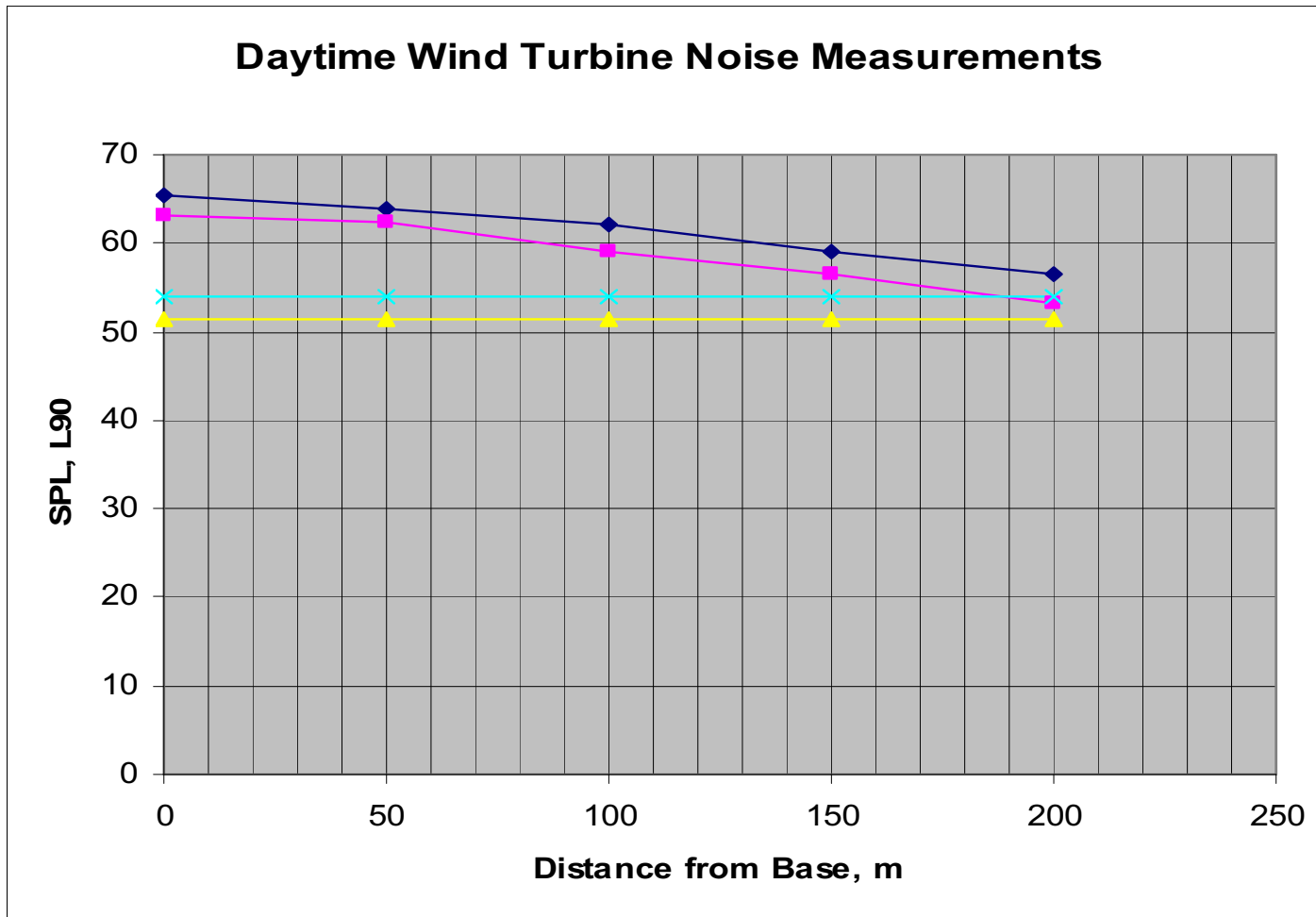
Wind Turbine at Ecocentre, Swaffham, Norfolk



Day Time Measurements at 165 m from base. Wind speed: 10m/s @ 85 m

Measured LAeq	58 dB
Measured LA90	55 dB
Residual Noise, LAeq	54 dB
Background Noise, LA90	51 dB
Turbine Noise Impact, LA90	53 dB

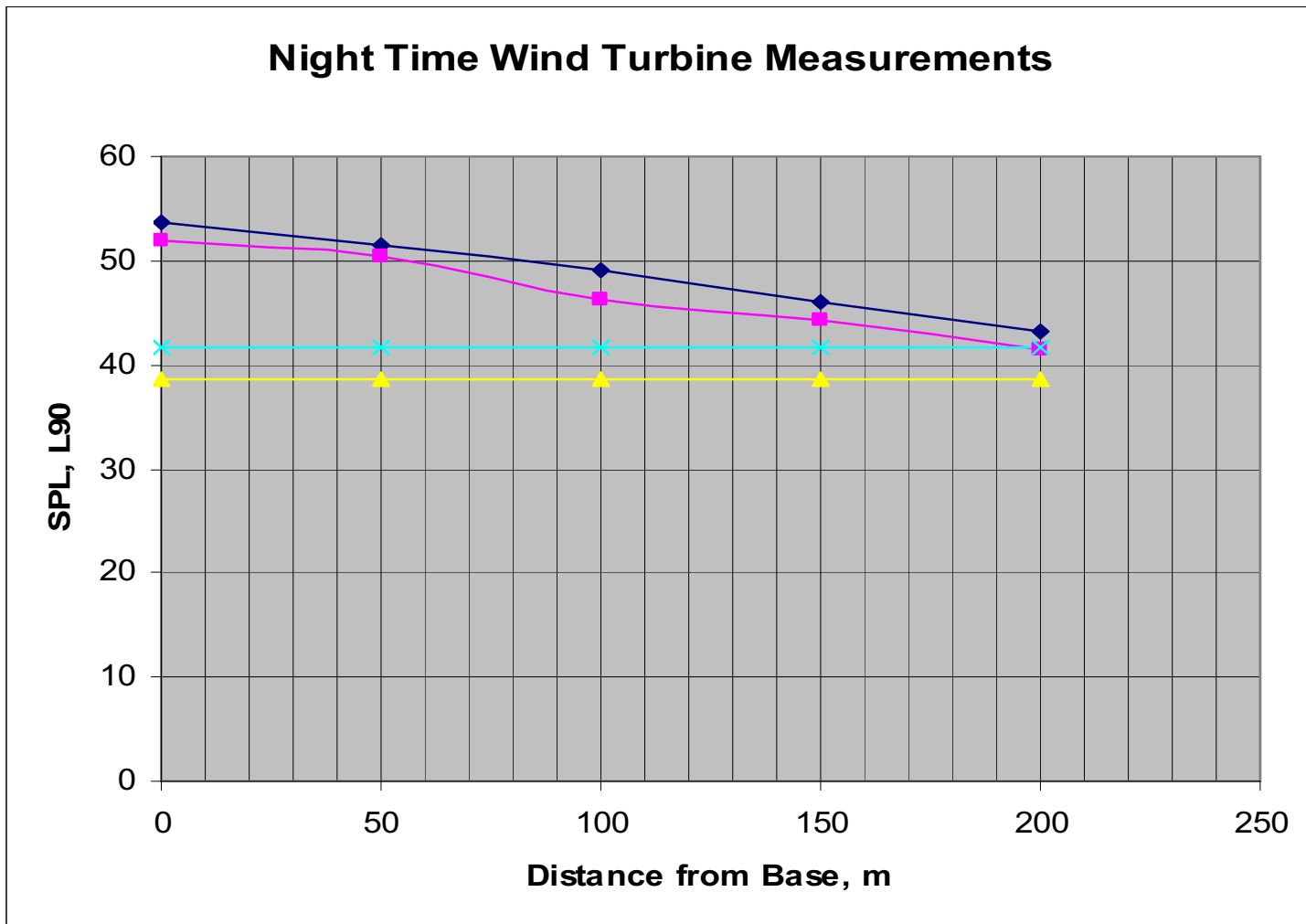
Day Time Measurements. Wind speed: 10m/s @ 85 m



Night Time Measurements at 165 m from base. Wind speed: 5.5m/s @ 85 m

Measured LAeq	45 dB	
Measured LA90	43 dB	
Residual Noise, LAeq	42 dB	
Background Noise, LA90	39 dB	
Turbine Noise Impact, LA90	41 dB	

Day Time Measurements. Wind speed: 5.5m/s @ 85 m



Swaffham: Noise Impact vs Assessment Criteria

BS 4142	Daytime	10
	Night Time	8
WHO	Daytime	+3 dB
	Night Time	+5 dB
BS 8233	Daytime	+18 dB
	Night Time	+5 dB
ETSU-R-97	Daytime	+2 dB above background "Pass"
	Night Time	+2 dB above background "Pass"