

**Government Survey into Noise from Wind Turbines**  
(REF: NANR233)

<b>Name of wind farm</b>	Llyn Alaw (M)				
<b>How many complaints were received about this wind farm?</b>	4				
<b>In what year was each complaint made?</b> (if more than one complaint please list the years)	1997: 1998: 2004: 2005:				
<b>Please provide a detailed description of the noise complaint(s):</b> (eg, time of day, wind conditions, description of noise, any other factors that might have contributed to the complaint)  THIS INFORMATION IS VERY USEFUL SO PLEASE USE AS MUCH SPACE AS NECESSARY. IF THERE WAS MORE THAN ONE COMPLAINT AND THE COMPLAINTS HAD DIFFERENT CAUSES PLEASE COMPLETE A SEPARATE TABLE FOR THE DIFFERENT TYPES OF COMPLAINT.	<p>The wind farm in question has a very detailed noise condition based upon the greater of 35dBLA<sub>90</sub> or the background LA<sub>90</sub> plus 5dB for a series of named properties. The 1998 complaint relates to such a property and noise monitoring undertaken by the operator at the time, demonstrated they were complying within their planning condition.</p> <p>A further noise condition exists for all other properties (not involved with the scheme) of 43dB(A) L<sub>90</sub> at a hub height wind speed of 8 m/s. The 1997 complaint relates to such a property and once more, noise monitoring undertaken by the operator at the time, demonstrated they were complying within their planning condition.</p> <p>2004/2005* complaints relate to mechanical faults with individual turbine which were readily rectified. * singles out, in the table below, the type of noise complained about in these particular complaints.</p>				
<b>Do any of the following terms describe the noise that was complained about at this wind farm site? (Please delete Yes or No as applies)</b>					
Swish	<del>YES</del> / <del>NO</del>	Throbbing	<del>YES</del> / <del>NO</del>	'train that never gets there'	<del>YES</del> / <del>NO</del>
Swoosh	<del>YES</del> / <del>NO</del>	Thudding	<del>YES</del> * / <del>NO</del>		
Ghostly Noises	<del>YES</del> / <del>NO</del>	Thumping	<del>YES</del> * / <del>NO</del>	'like motion sickness'	<del>YES</del> / <del>NO</del>
		Pulsating	<del>YES</del> / <del>NO</del>		
Wooh Wooh	<del>YES</del> / <del>NO</del>	Whooshing	<del>YES</del> / <del>NO</del>	Whistling	<del>YES</del> / <del>NO</del>
Beating	<del>YES</del> / <del>NO</del>	Distant Helicopter	<del>YES</del> / <del>NO</del>	Rhythmical Beat	<del>YES</del> / <del>NO</del>
Lapping	<del>YES</del> / <del>NO</del>	Rumbling	<del>YES</del> / <del>NO</del>	Other (please list):	<del>YES</del> / <del>NO</del>
Grinding	<del>YES</del> / <del>NO</del>				

<b>Did you visit the home of the complainant?</b>	<b>YES</b> in the case of 1997 and 1998. In the case of 2004/05, merely referred the matter to operator.
<b>Did you visit the wind farm site?</b>	<b>YES / NO</b>
<b>Did you hear the noise that was being complained about?</b>	<b>YES / NO</b>
<b>Briefly describe the investigation that took place.</b>	Aerodynamic blade noise or swoosh audible and matter referred to Company who later undertook a noise assessment.
<b>Was the wind farm judged to be causing a noise nuisance?</b>	<b>YES / NO</b>
<b>What action, if any, was taken?</b>	Required operator to undertake noise monitoring as per the requirements of the planning consent. No breach of planning consent identified.
<b>This project is about Amplitude Modulation of Aerodynamic Noise (AM) which can be described as 'Wind turbine blade noise which is modulated at blade passage frequency (typically once per second) with a sharper attack and a more clearly defined character than usual blade swoosh. It is sometimes described as being like a distant train or distant piling operations'. Does the noise from this wind farm conform to this description?</b>	<b>YES / NO / DON'T KNOW</b>