



**Cyfoeth
Naturiol
Cymru
Natural
Resources
Wales**



Our role at Wylfa Newydd



naturalresources.wales



Noddir gan
Lywodraeth Cymru
Sponsored by
Welsh Government

Our purpose is to ensure that the natural resources of Wales are sustainably maintained, enhanced and used. At Wylfa Newydd we will do this in three ways:

- **Assessing the design of the reactors**
- **Environmental Permitting**
- **Providing expert advice to other organisations on decisions they need to make**



Assessing the design of the reactors

The design of the reactor proposed by Horizon – the Advanced Boiling Water Reactor, or ABWR – will need to pass the Generic Design Assessment (GDA) process. A detailed four-year-long programme, this partnership between Natural Resources Wales (NRW), the Environment Agency and the Office of Nuclear Regulation investigates and assesses the safety, security, environmental protection and waste management aspects of reactor designs.

At the end of the process the regulators will jointly decide whether to approve the design for use in the UK or to refuse it.

Environmental Permitting

Before the developer can build and operate a nuclear power station at Wylfa Newydd, it needs a number of environmental permits from us. Their purpose is to make sure that work to build and then operate the plant creates minimal damage to the environment.

We have already granted some permits to protect the environment from work that's been done. For example to allow limited tree felling, to use herbicide in a controlled manner, and to conduct ground investigations at sea.

Horizon will need to provide us with detailed applications for several main permits.

We will consult publicly on all of these. They are:

Construction water discharge – to control and minimise the impact from site drainage and contaminated water during the main construction period. For example, this could include discharges from a concrete batching plant and sewage system.

Marine licensing – this is required for any work that involves building, removing and disposing of materials below the high water mark. This includes features such as breakwaters, a facility to off-load cargo from ships (marine offloading facility, or MOLF) or marine dredging.

Radioactive Substances – to demonstrate how Horizon will protect people and the environment by minimising the amount of radioactive waste it generates and discharges.

Abstraction – during construction, Horizon will need to reduce groundwater levels by pumping water from the ground. As a result, they may need to submit an abstraction licence application to demonstrate how they will deal with this without damaging the local environment or nearby streams.

Cooling water discharge – to minimise the environmental effect of abstracting sea water to cool the plant's systems and of discharging it (warmer and with some chemicals) back into the sea.

Combustion installation – to make sure that emergency back-up generators and boilers have measures to protect the local environment.

If we believe that Horizon could do more to protect the environment, or hasn't provided us with enough information on how it plans to do so, we will refuse to issue the relevant consent.

Advising others

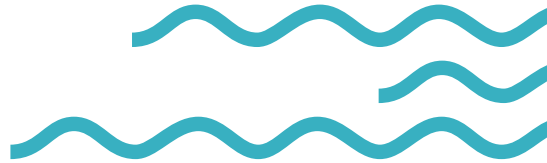
The UK Government and the Isle of Anglesey County Council will make decisions on matters such as planning permission, new roads, accommodation and logistics centres. We will provide them with specialist advice on these aspects to protect and improve the environment.



©Martin Perrow

Consultation

We are aware of the high level of public interest in Wylfa Newydd and commit to being transparent at every step of the way, providing an opportunity for people to contribute to the process.



If you would like this publication in a different format, please let us know:
enquiries@naturalresourceswales.gov.uk
03000 65 3000