

TRAWSFYNYDD SITE

**EHSSQ Manager / Head of Environment Report on Environmental
Management at Trawsfynydd Site for December 2014 Site
Stakeholders Group Meeting**

Issue Date 13 November 2014

Introduction

The Environment section is responsible for the management of Natural Resources Wales related compliance work at the Site and wider aspects of environmental management. This work is driven by the Magnox Environment, Health and Safety (EHS) Policy which was reissued when the Cavendish Fluor Partnership took over the ownership of Magnox Ltd in September 2014. In addition to the EHS policy, the Environment Agency, the Nuclear Industry and Nuclear Decommissioning Authority have developed a Nuclear Industry Sector Plan (NISP) which the Site also works to ensure that the Site's environmental impact is minimised.

Radioactive Substance Regulation work

A new Environmental Permitting Regulations permit will come into force in 2015 to replace the current permit (EPR/GB3835DE/V001) which came in to force on 1 November 2011. It is not expected that the discharge limits will be changed. The Head of Environment has been closely involved with the work involved with the reissue this permit.

Site gaseous discharge vent monitoring work has been reviewed and the changes that have been recommended will be implemented early in 2015. It is likely that the new monitoring regime will lead to a reduction in the reported beta particulate activity discharged in future. This reduction in reported discharges will result from more accurate determination under the revised procedures.

General Environmental Management

The Site's Environmental Management System was audited and reaccredited to BS EN ISO 14001 (2004) in June. Five minor Corrective Action Requirements (CARs) were raised following the ISO 14001 Audit; only 2 of these actions related to work at the Site the other 3 findings related to company policies and procedures dealt with at a Company level.

The Biodiversity Action Plan (BAP) for the Site continues to be developed. As part of this BAP initiative the Site plans to improve:

- Habitats

- Through further enhancement of the grass cutting programme to encourage the growth of traditional meadow flowering plants for the benefit of wildlife (especially bees and other pollinating insects)
- By removal of invasive plants such as rhododendron, Japanese knotweed and Montbretia from areas managed by the Site
- Management of the woodland areas within the power station boundary to encourage the development and retention of any standing deadwood and damaged trees



Damian Hughes, North Wales Wildlife Trust

- Mammal biodiversity

- Through the construction of a new Bat Roost (following advice of licensed bat handler)
- Undertake a Badger survey
- Investigate the practicalities of developing an otter viewing area

- Birds and reptiles

- Further bird boxes are to be deployed
- Reptile refuges to be created

The general focus of many of these suggested actions is intended to provide support to local stakeholders' plans for the development of green tourism around the lake

The Site continues to monitor and manage other aspects of its impact on the environment as required under the Nuclear Industry Sector Plans. Much of the energy currently consumed is used in nuclear safety related plant. However, recent completion of work in the Sites' Resin Solidification Plant after bulk retrieval and treatment of water treatment resin was completed will result in significant electricity savings as routine pressurisation of the fire water main will no longer be required. The decommissioning of the Site laundry facilities and associated cessation of steam use has also significantly reduced in the quantity of diesel used at the Site. This reduced usage is not yet fully apparent in the carbon dioxide emission shown below.

In addition:

- there have been no Environment Agency CCS1, CCS2, CCS3 or CCS4 events
- the Site continued to investigate and, where necessary, upgrade or plan improvements to Site drainage and liquid and gaseous effluent systems.
- consolidation of the Construction Department as a central part of site management system is continuing to lead to improved environmental control and better housekeeping standards
- the site achieved a 96% non-radioactive waste recycling rate for the year to April 2014
- a corporate e-learning environmental awareness training package has been delivered on Site
- tree felling on the asbestos landfill area was completed, this work was undertaken to safeguard the asbestos landfill capping layer



