



Wylfa Newydd Project

7.2 Additional information relating to hazardous waste facilities

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Planning Act 2008

Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

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Contents

	Executive Summary.....	1
1	Introduction.....	3
1.1	Purpose of this document.....	3
1.2	The Infrastructure Planning Regulations.....	3
1.3	The Wylfa Newydd Development Consent Order Project.....	4
1.4	Building 9-22.....	4
2	The Facility.....	5
2.1	Purpose of the Facility.....	5
2.2	Estimated annual capacity.....	5
3	References.....	7

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Executive Summary

The hazardous waste facilities comprised in the Wylfa Newydd DCO Project do not meet the criteria for a nationally significant infrastructure project under the Planning Act 2008 and Horizon is therefore not required to provide a statement in accordance with Regulation 6(5) of the Infrastructure Planning (Applications: Prescribed Forms and Procedures) Regulations 2009 (as amended) [RD1].

However, in order to assist the Planning Inspectorate and the Secretary of State in understanding the need and capacity of these facilities, this document has been prepared to detail the purpose and estimated capacity of these facilities.

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1 Introduction

1.1 Purpose of this document

- 1.1.1 The hazardous waste facilities comprised in the Wylfa Newydd DCO Project do not meet the thresholds for a nationally significant infrastructure project under the Planning Act 2008 and Horizon is therefore not required to provide a statement in accordance with Regulation 6(5) of the Infrastructure Planning (Applications: Prescribed Forms and Procedures) Regulations 2009 (as amended) [RD1). However, in order to assist the Planning Inspectorate and the Secretary of State in understanding the need and capacity of these facilities, this document has been prepared to detail the purpose and estimated capacity of these facilities.
- 1.1.2 This document describes the proposed hazardous waste facilities, the waste types to be stored and processed, and the anticipated levels of hazardous waste to be disposed of, as a result of the operation of the Power Station.

1.2 The Infrastructure Planning Regulations

- 1.2.1 Regulation 6(5) of the Infrastructure Planning Regulations requires that where an application for development consent is for the construction or alteration of a hazardous waste facility, the application must be accompanied by a statement detailing the proposed purpose of the facility and an estimate of the annual capacity of the plant for the final disposal or recovery of hazardous waste.
- 1.2.2 Section 30 of the Planning Act sets out that the construction of a hazardous waste facility will be considered an NSIP where:
- the facility (when constructed) is located in England;
 - the main purpose of the facility is expected to be for the final disposal or recovery of hazardous waste; and
 - it is expected to have a capacity of either:
 - where disposal will be by landfill or in a deep storage facility, more than 100,000 tonnes per year; or
 - in any other case, more than 30,000 tonnes per year.
- 1.2.3 As the Wylfa Newydd DCO Project [does not meet these thresholds and] will be entirely located within Wales, the hazardous waste facility would not fall within the criteria to be an NSIP in its own right under section 30 of the Planning Act and therefore Regulation 6(5) does not apply.
- 1.2.4 However, Horizon considers that the information that is ordinarily required in a Regulation 6(5) statement is useful, and has decided to provide this information to the Planning Inspectorate in order to assist it in fully understanding the need and scope of these facilities.

1.3 The Wylfa Newydd Development Consent Order Project

- 1.3.1 Horizon Nuclear Power Wylfa Limited (Horizon Nuclear Power) is applying for a Development Consent Order to build a new nuclear power station at Wylfa Newydd on the Isle of Anglesey, in north Wales. The application includes the Power Station, grid connection, other on-site development, Marine Works, Off-Site facilities and Associated Development.
- 1.3.2 The Power Station will comprise the main plant, the common plant and a range of supporting facilities and buildings including those parts of the Power Station necessary to support the operation and maintenance of the Power Station.

1.4 Building 9-22

- 1.4.1 Building 9-222 ('the Facility') will contain the Conventional & Hazardous Waste Building and Conventional Waste Storage Compound. The Facility will be located at the Power Station Site and forms part of the common plant.
- 1.4.2 Conventional hazardous and non-hazardous waste types will be managed and stored at the Facility awaiting removal from site. The building will include a reception, dry storage and processing area, a hazardous waste storage area and other amenity facilities.
- 1.4.3 Separate facilities elsewhere at the Power Station Site are proposed for the processing and storage of radioactive waste. These are not referred to in this statement.

2 The Facility

2.1 Purpose of the Facility

- 2.1.1 The purpose of the Facility will be for the storage of both hazardous and non-hazardous waste. Zones will be allocated for various waste types and hazardous items will be segregated and stored separately from non-hazardous waste and other hazardous waste types.
- 2.1.2 The Facility will temporarily store waste until in sufficient quantities to merit its collection. A specialist contractor will collect waste for final disposal, treatment or recovery offsite at approved sites with appropriate permissions.

2.2 Estimated annual capacity

- 2.2.1 Horizon has forecast the estimated quantities (see below) calculated using the highest level of waste generation expected:

Table 2-1 Estimated annual capacity of hazardous waste

Waste description	European waste catalogue code	Volume (kg) per annum
Antifreeze	16 01 14*	82.5 (litres)
Aerosols	16 05 04*	408
Contaminated packaging	15 01 10*	9,327
Absorbents, filter material including oil filters (not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	15 02 02*	15,985
Expired acids	06 01 06*	1,032
Expired bases	06 02 05*	5,109
Solvents and solvent mixtures	14 06 03*	333
Aqueous liquid waste containing adhesives or sealants containing organic solvents or other dangerous substances	08 04 15*	65
Fluorescent light tubes	20 01 21*	1,168
Lead acid batteries	16 06 01	2,749
Mercury containing batteries	16 06 03*	1,170
Nickel cadmium batteries	16 06 02*	364

Waste description	European waste catalogue code	Volume (kg) per annum
Non-chlorinated hydraulic oil	13 01 10*	1,451
Machining oil free of halogens	12 01 07*	1,782
Waste paint and varnish containing organic solvents or other dangerous substances	08 01 11*	1,503
Waste paint and varnish containing organic solvents or other dangerous substances	08 01 17*	794
Empty paint cans	08 01 12*	1,352
Sealant	08 04 15	1,200
Silica gel	15 02 02*	501
Wastes containing mercury	06 04 04*	49
Discarded Waste Electrical and Electronic Equipment containing hazardous components not mentioned in 16 02 09 to 16 02 12	16 02 13*	3,395
Oily water	13 05 07*	157,449

3 References

Table 3-1 Schedule of references

ID	Reference
RD1	HM Government. 2009. Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 [Online]. [Accessed 04 November 2017] Available from: http://www.legislation.gov.uk/uksi/2009/2264/contents/made

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