



# Detailed Emergency Planning Zone Determination Report

## Local Authority DEPZ Determination Report

Urenco UK Ltd

Capenhurst

Chester

CH1 6ER

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This report has been prepared, reviewed and approved by Cheshire West and Chester Council as the lead Local Authority under Regulation 8 of The Radiation (Emergency Preparedness and Public Information) Regulations 2019.

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# 1.Introduction

Under the Radiation (Emergency Preparedness and Public Information) Regulations 2019) Regulation 8, Cheshire West and Chester Council must inform the Site Operator and the Office for Nuclear Regulation Regulator of the determined extent of the Detailed Emergency Planning Zone (DEPZ).

Regulation 8 (1) requires the local authority to determine the Detailed Emergency Planning Zone (DEPZ) based on the recommended minimum distance described the Site Operators Consequence Report, the Local Authority may extend the area in consideration of:

- a) Local geographic, demographic and practical implementation issues;
- b) The need to avoid, where practicable, the bisection of local communities; and
- c) The inclusion of vulnerable groups immediately adjacent to the area proposed by the operator.

## 1.1. Purpose of the Report

The purpose of this report is to inform the operator and regulator of the outcome of the determination of the DEPZ. The report includes:

- a) A description of the area;
- b) Maps showing the extent of the Detailed Emergency Planning Zone and Outline Planning Zone
- c) Suitable justification for the determination.

## 2. Description of the Area

### 2.1. Introduction

This section of the report describes the local area, including geographical features, local population and key infrastructure and forms the basis for the determination of the DEPZ.

### 2.2. Site Background and Location

Urenco UK Ltd provide commercial uranium enrichment services as part of the fuel cycle for the production of electricity by nuclear power. The Nuclear Site Licence for the Capenhurst site is issued to Urenco UK Ltd.

Urenco Chemplants are a tenant on UUK's Nuclear Licensed site and operate the Tails Management Facility. Due to the quantities of hydrofluoric acid produced at the facility, Urenco Chemplants is an Upper Tier establishment regulated under the Control of Major Accident Hazards Regulations 2015.

Urenco Nuclear Stewardship also a tenant on the site do not currently carry out any processes which could result in an off-site emergency.

### 2.3. Geographical Area

The whole site covers 78 hectares of open flat land within Cheshire West and Chester Council area. The Liverpool/Chester railway runs adjacent to the eastern boundary of the site. The area to the south and west of the site contains farms and farmland, Capenhurst and Ledsham villages and Capenhurst School. Capenhurst Technology Centre is adjacent to the site. The nearest motorway access is via junction 10 of the M53 from the north or the M56 from the east.

### 2.4. Description of the Existing DEPZ

The existing DEPZ is a circle of 1km radius around the centre of the site. The operator, for many years, has distributed prior information to the public to areas beyond the DEPZ to avoid the bisection of a nearby housing estate.

## 3. DEPZ Determination

### 3.1. Introduction

This section of the report describes the decision process and justification for the changes to the DEPZ as part of this redetermination

It is worth noting that Cheshire West and Chester Council will use the DEPZ for both REPIR and COMAH planning.

### 3.2. Consultation Process

The Urenco UK Emergency Planning Consultative Committee met on 19 November 2019 and the operator's Consequence Report and the proposed DEPZ were discussed.

A map showing the proposed DEPZ was considered which would avoid dissecting the nearby housing estates. The proposed DEPZ would be bounded by the larger roads around the site namely the A41, B5463, A550 and A540.

The group discussed the Brooklands Neighbourhood development planned for the East of the site, which already has planning permission. This development will continue southwards from Ledsham Road infilling most of the land between the site and the housing in Great Sutton Housing and the United Utilities water treatment site. The development is a long term project which will include a primary school. Redrow the developer have been informed of the proposed DEPZ.

Cheshire West and Chester Council Land Use Planning service have been consulted on the proposed DEPZ.

### 3.3. Protective Actions

The primary protective action remains the same as previously, that of shelter for those within the DEPZ. There were no clear justifications for changing the protective action raised by multi-agency organisations at the consultation meeting nor subsequently.

### 3.4. The new DEPZ

The operators REPIR Regulation 7 submission (Consequence Report) recommends a minimum distance of 800m for the DEPZ. It was noted that;

- This would take in only part of the Foxall Way residential area.
- Elsewhere around the site the 800m contour crosses rural land with no easily discernable natural boundaries

The DEPZ will therefore be an area bounded by the A41, B5463, A550 and A540 roads as highlighted on Appendix A map.

### 3.5. The Outline Planning Zone

The operator's consequence report accepted the default distance of 5km contained in REPIR Schedule 5 Category 3 as the Outline Planning Zone for the site. See Appendix B map. However based on the information in the Consequence Report and subsequent discussions further protective actions were unlikely to be applied outside of the DEPZ.

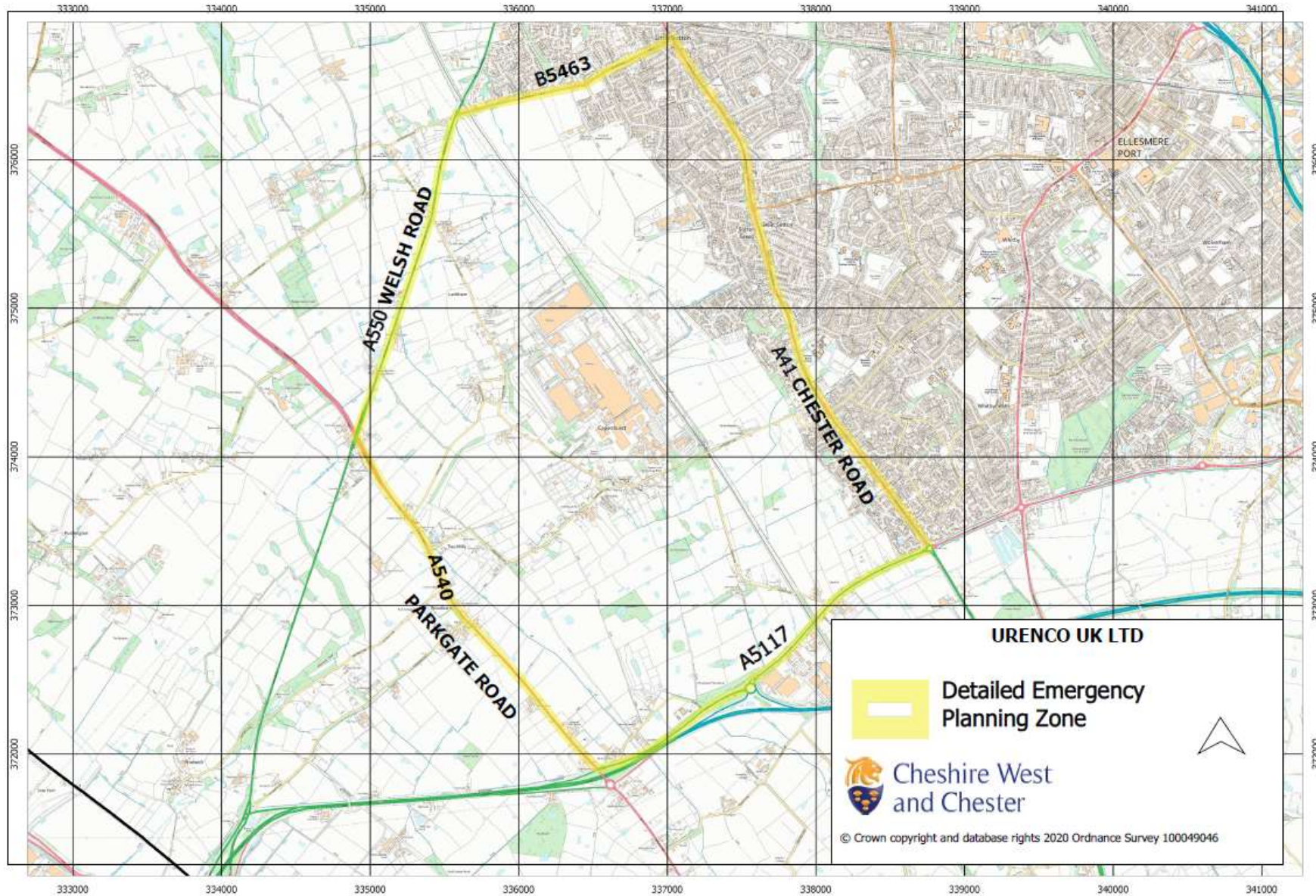
### 3.6. Review of DEPZ

In accordance with Regulation 8(5) – 8(6) the DEPZ will be reviewed if one of the following occurs:

- A significant development occurs within or adjacent to the local area which may impact on the factors that are considered by the Local Authority when determining the detailed emergency planning zone;
- Changes to the distribution of or addition of new vulnerable groups;
- Changes to the infrastructure facilitating an emergency plan such as a new road;
- Changes affecting the emergency responders facilitating an emergency plan such as new or closed fire station, new or closed hospital, reduced services such as closing an A&E department.
- Changes to the area which necessitate a re-determination may also include significant temporary changes in the area which will be in place for an extended period of time (i.e. the development of a large construction village to support a significant infrastructure project).

## Appendix A: Revised detailed Emergency Planning Zone

A map showing the area bounded by roads B5463, A550, A540, A5117 and A41.





## Appendix B: Outline Planning Zone

A map showing a 5KM radius from the centre of the URENCO UK Ltd site.

