



Hartlepool Borough Council

Radiation (Emergency Preparedness and Public
Information) Regulations (REPPiR) 2019

Detailed Emergency Planning Zone Redetermination for
Hartlepool

Cleveland Emergency Planning Unit

March 2020

Executive Summary

On May 22nd 2019 changes to the existing Radiation (Emergency Preparedness and Public Information) Regulations (REPPPIR) came into effect, and under Regulation 8, the transition of responsibility for determining a Detailed Emergency Planning Zone (DEPZ) went from the Office for Nuclear Regulation (ONR) to Local Authorities.

The decision on the size of the DEPZ is made on the basis of the site operators Consequence Report of which the updated version was received on the 3rd January and has been extended on the basis of local geographic, demographic and practical implementation issues.

In accordance with the regulations and Approved Code of Practice, Hartlepool Borough Council (HBC) has completed its review of the DEPZ for Hartlepool station which is now double the size of the original out to 2km.

Description of the Area

The Hartlepool power station is situated at the South of the Borough and is in close proximity to industrial estates, COMAH sites and wildlife sites. The nearest residential settlement is Seaton Carew located 1.2 miles to the North West of the site.

There are also Local Wildlife Sites to the North and South West as well as Sites of Special Scientific Interest to the North and South of the site including the Teesmouth National Nature Reserve.

The site is also on the Seaton on Tees Channel which links into the mouth of the River Tees.

The new DEPZ now crosses the boundaries into Stockton Borough Council and Redcar and Cleveland Borough Councils areas.

Determining the DEPZ

The current DEPZ for the site which was determined by ONR is a 1km circle which takes in a couple of businesses, wildlife sites and no residents.

As required under REPPPIR 2019, EDF Energy conducted a technical assessment for Hartlepool in order to produce a Consequences Report for the site. In summary, this report describes a combination of faults, scenarios and conditions which have been considered by the operator in order to recommend distances for protective actions and detailed emergency planning.

Hartlepool Borough Council is required by REPPPIR 2019 to use this report as the basis for its determination of the DEPZ, alongside guidance issued by the Office for Nuclear Regulation and other relevant information such as current arrangements and stakeholder views.

The updated Consequence Report received from the operator EDF Energy on the 3rd January states a minimum distance of 2km for urgent countermeasures. This distance has been verified by Public Health England's Centre for Radiological, Chemical and Environmental Hazards team as part of the consultation process.

In determining the DEPZ Hartlepool Borough Council has followed the Regulations and ACOP and taken into account the following:-

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

The resultant area is shown at **ANNEX A**

In order to determine the new DEPZ the Emergency Planning Consultative Committee at the station was consulted, a walk around of the area was conducted and the COMAH sites which are now in the zone were also consulted with no objections coming forward to the new proposal.

The new area also went to the Local Resilience Forums Strategic Board and internally within the council to the Finance and Policy Committee for elected member approval.

The New DEPZ area now includes 6 COMAH sites as well as the industrial estates of Graythorpe, Tofts Farm East and West and 1 residential property. The boundary of the DEPZ reflects physical features such as roads, rail, footpaths and geographical boundaries.

This decision and associated actions will be implemented in accordance with REPPiR 2019 through the updated Hartlepool Off-Site Emergency Plan.

ANNEX A – Map showing the original 1km DEPZ and the new DEPZ

