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**RADIATION (EMERGENCY PREPAREDNESS AND PUBLIC INFORMATION) REGULATIONS 2001 (REPPIR) – ROLLS-ROYCE MARINE POWER OPERATIONS LIMITED NEPTUNE REACTOR AND NUCLEAR FUEL PRODUCTION PLANT OFF-SITE EMERGENCY PLANNING AREA**

Dear Mr Robinson,

ONR has been determining the REPPIR off-site emergency planning area<sup>(1)</sup> and the area within which prior information is to be supplied to members of the public<sup>(2)</sup> around the Rolls-Royce Marine Power Operations Limited (RRMPOL) Neptune Reactor and Nuclear Fuel Production Plant nuclear licensed sites, as prescribed in REPPIR regulations 9(1) and 16(1) respectively.

This process was initiated by the Report of Assessment which was sent to ONR by RRMPOL.

Our determination is made in accordance with ONR's principles and guidance for the determination<sup>(3)</sup> of such areas, and this letter is to inform Derby City Council, as the lead local authority responsible under REPPIR for the preparation of the off-site emergency plan around the RRMPOL Neptune Reactor and Nuclear Fuel Production Plant nuclear licensed sites, of the following:

1. ONR notes that, in accordance with the requirements of regulations 5 and 6, RRMPOL has reviewed its Hazard Identification and Risk Evaluation (HIRE) for the Neptune Reactor and Nuclear Fuel Production Plant Nuclear Licensed Sites, and has submitted a Report of Assessment.
2. ONR has completed its assessment of the submission and has concluded that it satisfies the requirements of regulation 6(4) and Schedule 5, and that an off-site emergency plan is required.
3. In accordance with regulation 9(1), ONR has determined the off-site emergency planning area around the RRMPOL Neptune Reactor and Nuclear Fuel Production Plant nuclear licensed sites as the area contained within the red line on the map attached to this letter, which may be generally described as:
  - *An area based on a radial distance of 500 m from the centre of the Nuclear Fuel Production Plant, including the A5111 Raynesway dual carriageway to the east and Alvaston Park to the south.*
4. The planning area reflects the site specific application of ONR's principles and related guidance for determination of REPPIR off-site emergency planning areas (which are published on ONR's website). The area is defined by geographical features and the consideration of adjacent vulnerable communities. This represents the area within which off-site emergency planning



would be of benefit in protecting the public and restricting exposures so far as is reasonably practicable in the event of a reasonably foreseeable radiation emergency.

5. In addition to arrangements made under REPIR, ONR requires RRMPO under Nuclear Site Licence Conditions to make and implement adequate arrangement for dealing with any accident or emergency arising on the site and their effects<sup>(4)</sup>.
6. As a result of this determination, and in accordance with regulation 9(8), the Council is required to produce an off-site emergency plan within six months, or such longer period as the ONR may agree in writing<sup>(5)</sup>, either from whichever is the later of the date of receipt of this letter, or from the receipt of such information from the operator as is necessary for the purposes of the preparation of such an off-site plan. The revised plan must apply to the areas defined in paragraph 3 above.
7. In accordance with regulation 16(1), ONR has also determined the area within which the operator must supply prior information to be the same area as identified within the red line on the map attached to this letter. RRMPO has the legal duty to provide such specified information in this area, a copy of the letter advising them of this is also attached.

Yours sincerely

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Referenced Explanatory Notes:

(1) The RRMPOLE Neptune Reactor and Nuclear Fuel Production Plant Nuclear Licensed Sites REPPIR off-site emergency planning area is the area for which Derby City Council as the lead local authority, is required, under REPPIR regulation 9(1), to produce an off-site emergency plan for the protection of persons who are, or potentially may be, located in this area in the event of a radiation emergency. The plans will include public information and a range of countermeasures and other protection measures relevant and proportionate to the radiological hazards associated with the site. In developing the REPPIR off-site emergency plan, the local authority is required to consult a range of persons including the operators, ONR, the emergency services, the relevant health authority, and such other persons, bodies and authorities and members of the public as it considers appropriate.







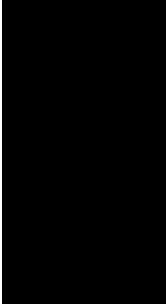
(2) The REPPIR off-site prior information area is the area within which the operator is required under REPPIR regulation 16(1) to supply to members of the public as a minimum, in an appropriate manner and without their having to request it, the information specified in Schedule 9. The operator shall also make that information publicly available.

(3) ONR’s principles for determination of REPPIR off-site emergency planning areas can be found at: <http://www.onr.org.uk/depz-onr-principles.htm>

(4) The operator’s on-site plan and its contribution to the off-site plan (eg. assistance with urgent countermeasures), and the off-site emergency plan put in place by the local authority, would be complemented by wider food restrictions as determined by the Food Standards Agency in accordance with the Food and Environment Protection Act, 1985.

(5) REPPIR regulation 9(8) allows ONR, at the request of the Council, to agree in writing a longer time period for revision in exceptional circumstances.

**Distribution**

Derby City Council	
Derbyshire County Council	
RRMPOL	
Environment Agency	
Food Standards Agency	
Department for Business, Energy and Industrial Strategy	
ONR	



Attachment to Letter ONR-EPR-017-019, dated 14 June 2017. Map of RRMPOL Neptune Reactor and Nuclear Fuel Production Plant REPPiR regulations 9(1) and 16(1) off-site emergency planning and off-site prior Information areas.

The area defined by this map may be generally described as:

*The off-site emergency planning area is generally an area based on a radial distance of 500 m from the centre of the Nuclear Fuel Production Plant, including the A5111 Raynesway dual carriageway to the east and Alvaston Park to the south.*

