

Application of the planning regime with respect to radioactivity in the ground: Wales

W Oatway (Version 1; published September 2021)

CRCE-RAD-009-2020

Protecting and improving the nation's health

Overview

A flowchart is presented which provides an overview of the process used in Wales to progress an application made under the Town and Country Planning regime with respect to land which has levels of radioactivity present on it above background levels. Whilst outside the scope of this flowchart, it is important to recognise that the risks posed by any non-radiological contaminants must also be suitably managed.

Within the flowchart, local authorities (LA) are responsible for actions within the cells headed by an orange banner whilst the developer is responsible for actions within cells headed by a tan banner.

Hyperlinks to particularly useful sources of information are provided in relevant cells with a full reference for each document provided in the reference section below.

In addition to identifying sources of published guidance, the flowchart also indicates where specialist advice can be sought from government agencies such as Public Health Wales (PHW), Natural Resources Wales (NRW) (SW region, North Wales region, SE region), or the Health and Safety Executive (HSE). It should be noted that such advice may incur a charge

References

- Defra (2010). Contaminated Land Remediation Sp1001. Department for Environment, Food and Rural Affairs
- Defra (2011). Environmental Permitting Guidance. Radioactive Substances Regulation. For the Environmental Permitting (England and Wales) Regulations 2010. Version 2.0.
- Defra (2013). Environmental Permitting Guidance. Core Guidance for the Environmental Permitting (England and Wales) Regulations 2010.
- EA (2004). Model Procedures for the Management of Land Contamination. Contaminated Land Report 11. Environment Agency.
- EA (2006a). Detailed inspection of radioactive contaminated land under Part 2A EPA 1990. Guidance for local authorities on the collation and assessment of documentary information B20(a). Environment Agency.
- EA (2006b). Detailed inspection of radioactive contaminated land under Part 2A EPA 1990. Guidance for local authorities on visual inspection and limited surveys B20(b).
- EA (2010a). Radiological monitoring technical guidance note 2: Environmental radiological monitoring. Version 1. Environment Agency.
- monitoring. Version 1. Environment Agency. EA (2010b). Verification of remediation and land contamination. Report: SC030114/R1.
- EA (2011). The Radioactively Contaminated Land Exposure Assessment Methodology Technical Report. CLR-14. Environment Agency.
- EA (2012a). Radioactive Contaminated Land Briefing Note: Potential sources of radioactive contamination. Environment Agency.
- EA (2012b). Radioactive Contaminated Land Briefing Note: Developing land contaminated with radioactivity. Environment Agency.
- HSE (2018). Work with ionising radiation: Ionising Radiations Regulations 2017. Approved Code of Practice and Guidance.

 IAEA (2007). Remediation Process for Areas Affected by Past Activities and Accidents. Safety
- Guide No. WS-G-3.1. International Atomic Energy Agency. Vienna.

 IAEA (2012). Guidelines for Remediation Strategies to Reduce the Radiological

 Consequences of Environmental Contamination. Technical report series no. 475.
- International Atomic Energy Agency. Vienna NIGLQ (2012). Industry Guidance: Qualitative Risk Assessment for Land Contamination, including Radioactive Contamination. Nuclear Industry Group for Land Quality.
- Oatway and Mobbs (2003). Methodology for Estimating the Doses to Members of the Public from the Future Use of Land Previously Contaminated with Radioactivity. NRPB-W36. Chilton.
- PHE (2015). UK Recovery Handbooks for Radiation Incidents 2015. Version 4. Chilton PHE (2020a). Historical land uses in the UK with the capability of producing radioactively contaminated land. Chilton. Public Health England. CRCE-RAD-001-2020.
- PHE (2020b). Risks from land contaminated with radioactivity. Public Health England. . CRCE-RAD-002-2020
- PHE (2020c). Principles for assessing the radiological impact from using land contaminated with radioactivity. Public Health England. CRCE-RAD-003-2020.
- PHE (2020d). Frequently Asked Questions on Radioactively Contaminated Land. Public Health England. CRCE-RAD-004-2020.
- Radioactivity. Public Health England. CRCE-RAD-005-2020. SEPA (2017). Guidance on monitoring for heterogeneous Radium-226 sources resulting from

PHE (2020e). Guidance on the Selection of Remedial Actions for Land Contaminated with

- SEPA (2017). Guidance on monitoring for heterogeneous Radium-226 sources resulting from historic luminising or waste disposal sites. Scottish Environment Protection Agency. SNIFFER (2007). Environmental Legislation and Human Health Guidance for Assessing
- Risk. Scotland and Northern Ireland Forum for Environmental Research. Project UKCC02.
- SNIFFER (2010). Communicating understanding of contaminated land risks. Scotland and Northern Ireland Forum for Environmental Research. Project UKLQ13.

