

## Justification Register

### Applications & decisions made under Regulations 9, 10 & 12 of the Justification of Practices involving Ionising Radiation Regulations 2004

Reference Number	Received date	Application Type (Reg 9, 10, 12)	Practice / Class or Type of Practice	Organisation	Address	Decision	Date of Decision	Conditions Applied	Justifying Authority	
01/04	02/12/04	use of x-rays to radiograph suspected smugglers under Reg 12		HMC&E	8th floor, Dorset House, London SE1 9PY	This application has been withdrawn				
02/05	18/02/05	Safety toaster - smoke detector under Reg 9	Use of ionising radiation in smoke and fire detectors and other safety instruments	Magnetic Design	10 Bishops Road, Trumpington, Cambridge, CB2 2NH	Determined to be an existing practice	05/07/05		DTI	
03/05	17/10/05	Fluoroscopic screening of concealment of weapons and drugs in secure hospitals under Reg 9		Mersey Care NHS	Ashworth Hospital, Maghull, Liverpool, L31 4HW	This application has been withdrawn				
04/06	04/04/06	Transportation of spent nuclear fuel by road and rail under Reg 10 & 12	Transport of radioactive material by road and rail in accordance with the regulations concerning carriage of dangerous goods by road (ADR) and rail (RID)	Greenpeace	Canonbury Villas, London, N1 2PN	Determined to be an existing practice	14/02/07		DfT	
05/07	05/02/07	Assessment of	Assessment of bone	Bath	University of	This			DH	

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		<del>bone mineral density using DEXA scanners under Reg 9</del>	<del>mineral density using DEXA scanners</del>	<del>University</del>	<del>Bath, Claverton Down, Bath, BA2 7AY</del>	<del>application has been withdrawn</del>			
06/07	05/02/07	Assessment of lean muscle and fat content using DEXA scanners under Reg 9	Assessment of lean muscle and fat content using DEXA scanners	Bath University	University of Bath, Claverton Down, Bath, BA2 7AY	This application has been withdrawn			DH
07/07	02/11/07	Enrichment operations using recycled Uranium under Reg 12	The enrichment of uranium by use of the centrifuge process	Urenco	Urenco (Capenhurst) Limited, Capenhurst, Chester, CH1 6ER	Determined to be an existing practice	14/10/08		BERR
08/07	02/11/07	Uranium enrichment to higher assays under Reg 12	The enrichment of uranium by use of the centrifuge process	Urenco	Urenco (Capenhurst) Limited, Capenhurst, Chester, CH1 6ER	Determined to be an existing practice	14/10/08		BERR
09/08	04/06/08	Nuclear New Build under Reg 9	The generation of electricity from nuclear energy using oxide fuel of low enrichment in fissile content in a light water cooled, light water moderated	Nuclear Industry Association	NIA, Carlton House, 22a St James's Square, London, SW1Y 4JH	Justified Practice under JoPIIRR 2004	18/10/10		DECC

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			thermal reactor currently known as the EPR designed by AREVA NP							
09/08	04/06/08	Nuclear New Build Under Reg 9	The generation of electricity from nuclear energy using oxide fuel of low enrichment in fissile content in a light water cooled, light water moderated thermal reactor currently known as the AP1000 designed by Westinghouse Electric Company LLC	Nuclear Industry Association	NIA, Carlton House, 22a St James's Square, London, SW1Y 4JH	Justified Practice under JoPIIRR 2004	18/10/10		DECC	
10/08	23/07/08	Teaching, including further and higher education and training under Reg 12	Use of Radiological Material for Live Agent Training of at risk groups.	ISSEE	International School for Security and Explosives Education, UK Centre for Homeland Security, Chilmark, SALISBURY, Wiltshire, SP3 5DU	Determined to be an existing practice	02/02/09		DIUS	

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11/08	01/10/08	Deconversion of uranium hexafluoride to uranium oxide for long term storage under Reg 9	Deconversion of uranium hexafluoride to uranium oxide for long term storage	Urenco	Urenco ChemPlants Limited, Capenhurst, Chester, CH1 6ER	Determined to be an existing practice	16/3/09		DECC
12/09	29/08/09	Detection and analysis under regulation 12	Use of sealed sources and x-ray generators for analysis	Caliper life sciences inc	2061 Challenger Drive, Alameda, CA 95401. USA	This application has been withdrawn			
13/09	09/09/09	Security screening under regulation 12	Use of x-rays or gamma rays to examine vehicle and passenger	Spectrum San Diego Inc	10907 Technology Place San Diego CA 92127 USA	Determined not to be an existing practice	16/03/10		HO
14/09	03/10/09	Security screening under regulation 12	Use of backscatter imaging (x-ray) to examine vehicle and passenger	Pitney Bowes	6 Hurcules Way Leavesden Park Watford WD25 7GS	Determined not to be an existing practice	16/03/10		HO
15/10	08/11/10	Substance , measurement and control under regulation 12	Use of a sealed source to measure gas flow in smart meters	Sentec	Sentec Ltd 5 The Westbrook Centre, Milton Road, Cambridge,	Determined not to be an existing practice	12/10/12		DECC

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					CB41YG				
46/10	08/12/10	Use of X-rays to detect smuggled contraband under regulation 12	Use of full body X-rays to detect smuggled contraband in prisons	HM Prison Service	HMP Holme House, Holme House Road, Stockton on Tees TS18 2QW	This application was withdrawn			MoJ
17/12	23/01/12	Substance , measurement and control under regulation 9	Use of a sealed source to measure gas flow in smart meters	Sentec	Sentec Ltd 5 The Westbrook Centre, Milton Road, Cambridge, CB41YG	Not justified under JoPIIRR	11/01/13		DECC
18/13	01/02/13	Dexa Sports Performance Assessments under regulation 9	Use of Dexa Scanners for Sports Performance Assessments	Department of Health	Department of Health, Room 147, Richmond House, 79 Whitehall, London. SW1A 2NS				DH

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19/13	02/05/13	Use of X-rays to detect smuggled contraband under regulation 9	Use of transmission x-ray full body scanner as an alternative to routine full body searching of prisoners suspected of smuggling contraband within the Northern Ireland Prison Service	NIPS	The Director General Northern Ireland Prison Service Dundonald House Belfast BT4 3SU	Determined not to be an existing practice	9/12/2014		MoJ	
20/14	13/02/14	The generation of electricity from ABWR under regulation 9	The generation of electricity from nuclear energy using oxide fuel of low enrichment in fissile content in a light water cooled, light water moderated thermal reactor currently known as the ABWR designed by Hitachi-GE Nuclear Energy Ltd	Nuclear Industry Association (NIA)	NIA, Carlton House, 22a St James's Square, London, SW1Y 4JH	Justified Practice under JoPIIRR 2004	12/0/2015			
21/14	11/07/14	Use of x-ray imaging for sport development programme under Regulation 9	Use of medical X-ray imaging equipment to assess the biological maturity of young athletes in talent development programmes	England and Wales Cricket Board	National Cricket Performance Centre Loughborough University LE11 3TU				DCMS and Devolved Administrations	

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22/15	24/11/14	Security screening under Regulation 12	Exposure to radiation through testing, installing, analysing imagery and commissioning x-ray machines for the purposes of security screening	Rapiscan	Rapiscan Systems, Inc. 2805 Columbia Street, Torrance, CA 90503	Application withdrawn			Home Office
23/15	3/11/15	Body imaging for the detection of concealed items under Regulation 12	Use of body scanner for the detection of concealed items on the person for security purposes	National Offender Management Service	Clive House, 70 Petty France, London, SW1H 9EX	Determined to be an existing practice	21/3/2016		Ministry of Justice

## Justification Register

**Justification decisions that were expressly determined in the UK before the Justification of Practices Involving Ionising Radiation Regulations 2004 came into force on 2 August 2004. Requirement under Regulation 19 that these decisions (dealt with in Regulation 8 ) appear on the Register**

Reference Number	Practice/Class or Type of Practice	Applicant	Justified	Date of Decision	Decision made by	Conditions & Limitations Attached	Related Documents
1	Thermal Oxide Reprocessing Plant (THORP)	BNFL plc	Yes	Dec-93	Secretary of State (SoS) for Environment & MAFF Minister		1) Decision by the SoS for the Environment and the Minister of MAFF in respect of an application from BNFL for Authorisations to discharge radioactive wastes from the Sellafield site
2	Practices at Amersham Cardiff, specifically production of compounds labelled with radioactivity, for use in health care and life sciences and in industry	Amersham International plc and Kodak Clinical Diagnostics Limited	YES	Sep-94	Chief Inspector of Her Majesty's Inspectorate of Pollution (HMIP) and SoS for Wales		1) Explanatory Memorandum for public consultation on authorisations for Amersham Cardiff. HMIP/Welsh Office, September 1994
3	Operation of Sizewell B nuclear power station	Nuclear Electric plc	YES	Nov-94	Chief Inspector of HMIP & MAFF Minister		1) HMIP& MAFF, Radioactive Substances Act 1993. 2) Determination of the Application by Nuclear Electric plc to Dispose of Radioactive Waste from the Sizewell B Nuclear Power Station. 2 November 1994
4	Radioactive attachments to lightning conductors		NO	Oct-95	HMIP	None; programmed disposal of lightning conductors was initiated	1) HMIP Press release October 1995. 2) Supporting technical and scientific articles can be made available, eg British Standard for Lightning conductors, BS 6651:1990
5	AGR and PWR Co Ltd (now British Energy) nuclear power stations	AGR & PWR company Ltd	YES	Feb-96	Chief Inspector of HMIP and MAFF Minister		1) HMIP and MAFF. Radioactive Substances Act 1993. 2) Determination of the Applications by the AGR & PWR company Ltd for Authorisations to dispose of radioactive wastes from the Dungeness B, Hartlepool, Heysham 1, Heysham 2, Hinkley Point B and Sizewell B Nuclear Power Stations

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6	Practices at the AEAT facilities at Harwell, Windscale and Winfrith (the practices are not described in detail in the Decision Document)	AEA Technology plc and The Winfrith Technology Centre	YES	May-96	Environment Agency (EA)		1) Environment Agency. Radioactive Substances Act 1993 . 2) Decisions on applications by AEATechnology plc to dispose of radioactive wastes from : 3) The Winfrith Technolgy Centre, Dorceshter, Dorset; 4) Premises on the Harwell Site, Didcot, Oxfordshire; Building 75, Windscale, Cumbria
7	Operation of the Sellafield Solvent Treatment plant	BNFL plc	YES	Oct-98	EA, accepted by Defra and MAFF Ministers		1) Environment Agency. Document Containing the Agency's Proposed Decisions on the Variations to the Liquid and Gaseous Discharge Authorisations - BNFL plc at Sellafield" . October 1998.
8	Uranium Commissioning of the Mixed Oxide Fuel (MOX) plant	BNFL plc	Yes	Jun-99	SoS for Environment, Transport & the Regions and the Minister for Agriculture, Fisheries & Food	Uranium Commissioning only	1) Hard copies only of the EA's proposed decision. 2) The Minister's final decision can be found online <a href="http://www.defra.gov.uk/environment/consult/mox/3.htm">http://www.defra.gov.uk/environment/consult/mox/3.htm</a>
9	Use of X/Gamma radiation scanners for detecting people	Home Offiice	Yes	Sep-01	SoS for the Home Office		1) Justification case and Consultation Report for the use of X/Gamma scanners by the Immigration Service. 2) Home Secretary final decision.
10	Manufacture of Mixed Oxide fuel (MOX)	BNFL plc	Yes	Oct-01	SoS for Environment, Food & Rural Affairs and S of S for Health	BNFL have undertken that it will not use the SMP for the manufacture of MOX fuel from plutonium other than plutonium	1) EA's proposed decision, 2) Ministers' final decision and 3) a document containing the main issues raised in the consultation exercises, with Ministers' views on these issues.

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						seperated in THORP and belonging to foreign customers without first seeking clearance from the responsible Secretary of State to proceed	