



Environment
Agency

Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

SITA Healthcare Limited

Redditch Waste Treatment Facility
Alexandra Hospital
Woodrow Drive
Redditch
Worcestershire
B98 7UB

Permit number
EPR/ZB3930DS

Permit number EPR/ZB3930DS

Introductory note

This introductory note does not form a part of this permit

The permit allows the Operator to accumulate and dispose of radioactive waste from the specified premises.

The permit is issued under the provisions of regulation 13 of the Environmental Permitting (England and Wales) Regulations 2010.

The operator must also comply with other legislation to which the accumulation and disposal of radioactive waste is subject. This includes legislation enforced by the Health and Safety Executive and by the Office for Nuclear Regulation.

The status log of the permit sets out the permitting history, including any changes to the permit reference number.

Status Log of the permit		
Detail	Date	Response Date
Application EPR/ZB3930DS/T001 (Full transfer of permit EPR/GP3290SA)	Duly made 05/02/13	
Company name change from Polkacrest Limited to SITA Healthcare Limited	06/03/13	
Transfer determined EPR/ZB3930DS	26/03/13	

End of Introductory Note

Permit

The Environmental Permitting (England and Wales) Regulations 2010

Permit

Permit number
EPR/ZB3930DS

The Environment Agency hereby authorises, under regulation 13 of the Environmental Permitting (England and Wales) Regulations 2010

SITA Healthcare Limited (*"the operator"*),
whose registered office is

SITA House
Grenfell Road
Maidenhead
Berkshire
SL6 1ES

company registration number 03882534

to carry on radioactive substances activities at

Redditch Waste Treatment Facility
Alexandra Hospital
Woodrow Drive
Redditch
Worcestershire
B98 7UB
(*"the premises"*)

to the extent authorised by and subject to the conditions of this permit.

Name	Date
Richard Lee	26/03/13

Authorised on behalf of the Environment Agency

Conditions

1 – Management

1.1 General management

- 1.1.1 The operator shall manage and operate the activities:
- (a) in accordance with a written management system that is sufficient to ensure compliance with the conditions of this permit; and
 - (b) using sufficient competent persons and resources.
- 1.1.2 The operator shall maintain records demonstrating compliance with condition 1.1.1.
- 1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of it kept at or near the place where those duties are carried out.
- 1.1.4 The operator shall manage and operate the activities in consultation with such suitable RPAs, or other such qualified experts approved by the Environment Agency in writing, as are necessary for the purpose of advising the operator as to compliance with this permit.

2 – Operations

2.1 Permitted activities

- 2.1.1 The operator is only authorised to carry on the activities specified in Schedule 1, Table S1.1 (the "activities").
- 2.1.2 The activities shall not extend beyond the site, being the land shown edged in green on the site plan at Schedule 5 to this permit.

2.2 The site

- 2.2.1 The activities shall not extend beyond the site, being the land shown edged in green on the site plan at Schedule 5 to this permit.

2.3 Operating techniques

- 2.3.1 The operator shall use the best available techniques:
- (a) to minimise the period over which radioactive waste is accumulated;
 - (b) to minimise the activity of radioactive waste produced on the premises that will require to be disposed of on or from the premises;
 - (c) to ensure that all relevant parts of the premises are constructed, maintained and used in such a manner that:
 - (i) they do not readily become contaminated; and
 - (ii) any contamination which does occur can be easily removed;
 - (d) to prevent:

- (i) the loss of any radioactive waste; and
- (ii) access to any radioactive waste by any person not authorised by the operator.

2.3.2 The operator shall use the best available techniques in respect of the disposal of radioactive waste pursuant to this permit to:

- (a) minimise the activity of gaseous and aqueous radioactive waste disposed of by discharge to the environment;
- (b) minimise the volume of radioactive waste disposed of by transfer to other premises; and
- (c) dispose of radioactive waste at times, in a form, and in a manner so as to minimise the radiological effects on the environment and members of the public.

2.3.3 The operator shall use the best available techniques to:

- (a) exclude all entrained solids, gases and non-aqueous liquids from radioactive aqueous waste prior to discharge to the environment;
- (b) ensure that any discharge of radioactive gas to the atmosphere is made in a manner which prevents its entry into any building;
- (c) ensure that any residual ash is disposed of as very low level waste in accordance with this permit.

2.3.4 The operator shall maintain in good repair the systems and equipment provided:

- (a) to meet the requirements of conditions 2.3.1, 2.3.2 and 2.3.3; and
- (b) to carry out any monitoring and measurements necessary to determine compliance with the conditions of this permit.

2.3.5 The operator shall check, at an appropriate frequency, the effectiveness of systems, equipment and procedures provided to meet the requirements of conditions 2.3.1, 2.3.2 and 2.3.3.

2.3.6 Any container in which radioactive waste are stored shall be clearly and legibly marked with the word 'Radioactive', with the ionising radiation symbol conforming with BS 3510: 1968 or ISO 361 and any other information necessary for the identification of the or radioactive waste present.

2.3.7 The operator shall have and comply with appropriate criteria for the acceptance into service of systems, equipment and procedures for carrying out any monitoring and measurements necessary to determine compliance with the conditions of this permit.

2.3.8 The operator shall post copies of this permit on the premises, in such characters and in such positions to be conveniently read by persons who have duties on the premises which are or could be affected by the matters set out in this permit.

2.4 Pre-operational conditions

2.4.1 The activities shall not be brought into operation until the measures specified in Schedule 1, Table S1.2A have been completed.

2.4.2 The operations specified in Schedule 1 table S1.2B shall not commence until the measures specified in that table have been completed.

2.4.3 Written notification of the date of completion of each measure shall be sent to the Environment Agency within 14 days of the completion of each such requirement.

2.5 Improvement programme

2.5.1 The operator shall complete the improvements specified in Schedule 1, Table S1.3 by the date specified in that table unless otherwise agreed in writing by the Environment Agency.

2.5.2 Except in the case of an improvement which consists only of a submission to the Environment Agency, the operator shall notify the Environment Agency within 14 days of completion of each improvement.

2.6 Receipt of radioactive waste

2.6.1 The operator shall:

- (a) only accept radioactive waste which this permit allows the operator to accumulate or dispose of;
- (b) for each type of radioactive waste that the operator is prepared to receive, produce a written specification of the information required to enable the disposal of that type of radioactive waste in compliance with this permit;
- (c) provide that written specification to any person from whom the operator is prepared to receive radioactive waste of that type;
- (d) only accept a consignment of radioactive waste that is accompanied by a legible note providing the specified information; and
- (e) keep a copy of any such note received.

2.6.2 Before the operator first receives radioactive waste from a consignor for the purpose of final disposal of that waste from or on the premises, the operator shall, at the earliest opportunity, inform the local authority, in whose area of responsibility the premises is situated, of the origin and nature of the radioactive waste.

2.6.3 The provisions of condition 2.6.3 do not apply:

- (a) where the waste consignor is exempt from the requirement to hold an environmental permit for the disposal of radioactive waste;
- (b) to the extent that it would require the disclosure of information relating to sealed radioactive sources;
- (c) to VLLW.

2.7 Accumulation of radioactive waste

2.7.1 There shall be no accumulation of radioactive waste except of the types of radioactive waste specified in Schedule 2, Table S2.1.

2.7.2 The limits on accumulation given in Schedule 2 shall not be exceeded.

2.7.3 The operator shall maintain records of radioactive waste showing:

- (a) the radionuclide present, the date on which accumulation began and the activity on that date;
- (b) so far as is reasonably practicable its location on the premises;
- (c) if it has been removed from the premises, the date of removal, the activity on that date and the name and address of the person to whom it was transferred; and
- (d) the total activity and volume of radioactive waste present on the premises.

3 – Disposals of radioactive waste and monitoring

3.1 Disposals of radioactive waste

- 3.1.1 There shall be no disposals of radioactive waste except of the types of radioactive waste and by the disposal routes specified in Schedule 3.
- 3.1.2 The limits on disposals given in Schedule 3 shall not be exceeded.
- 3.1.3 The operator shall ensure that the transfer of radioactive waste:
- (a) is in accordance with the directions of the person to whom the radioactive waste is transferred that are necessary to enable that person to comply with all relevant regulatory requirements;
 - (b) is done using a suitable container constructed and maintained so as to prevent the loss of waste; and
 - (c) so far as is reasonably practicable, is not subject to delays in transit and is accepted at the premises of the person to whom the operator transfers waste.
- 3.1.4 The operator shall:
- (a) ensure that the person to whom radioactive waste is transferred receives at the time of transfer of each consignment a clear and legible note signed on the operator's behalf:
 - (i) stating the total activity in the consignment of each relevant radionuclide or group of radionuclides listed in the relevant table in Schedule 3; or
 - (ii) stating, when no relevant radionuclide or group of radionuclides is specified in Schedule 3, the total activity in the consignment of each radionuclide or group of radionuclides as listed in the written specification of the person to whom the radioactive waste is transferred.
 - (b) obtain a note signed on behalf of the person to whom radioactive waste is transferred, at the time of transfer, stating that the transfer has taken place; and
 - (c) keep a copy of any note issued under condition 3.1.4(a) and any note received under condition 3.1.4(b).
- 3.1.5 If required by the Environment Agency, the operator shall ensure that any consignment or part of any consignment of radioactive waste found, following transfer, not to be in accordance with the conditions of this permit:
- (a) is packaged in accordance with the relevant legislation; and
 - (b) is returned as soon as is reasonably practicable to the operator's site.
- 3.1.6 The operator shall, not later than 14 days after the end of each month or within such longer period as the Environment Agency may approve in writing, record all disposals of radioactive waste made during that month.

3.2 Monitoring

- 3.2.1 If required by the Environment Agency, the operator shall
- (a) take such samples and conduct such measurements, tests, surveys, analyses and calculations, including environmental measurements and assessments, at such times and using such methods and equipment as the Environment Agency specifies; and
 - (b) keep samples, provide samples, or dispatch samples for tests at a laboratory, as the Environment Agency specifies, and ensure that the samples or residues thereof are collected

from the laboratory within three months of receiving written notification that testing and repackaging in accordance with the relevant legislation are complete.

3.2.2 The operator shall maintain records of all monitoring required by this permit including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.

3.2.3 The operator shall carry out:

- (a) regular calibration, at an appropriate frequency, of systems and equipment provided for carrying out any monitoring and measurements necessary to determine compliance with the conditions of this permit; and
- (b) regular checking, at an appropriate frequency, that such systems and equipment are serviceable and correctly used.

4 – Information

4.1 Records

4.1.1 All records required to be made by this permit shall:

- (a) be legible;
- (b) be made as soon as reasonably practicable;
- (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and
- (d) be retained until notified in writing by the Environment Agency that records no longer need to be retained.

4.1.2 The operator shall:

- (a) retain records made in accordance with any previous relevant permit issued to the operator and related to the premises covered by this permit; and
- (b) retain records transferred to the operator, which were made in accordance with any previous relevant permit related to the premises covered by this permit.

4.1.3 The operator shall keep on site all records, plans and the management system required by this permit, unless otherwise agreed in writing by the Environment Agency.

4.2 Reporting

4.2.1 The operator shall send all reports and notifications required by this permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.

4.2.2 The operator shall supply such information in relation to:

- (a) the disposals of radioactive waste; and
- (b) the samples, tests, surveys; analysis and calculations, environmental monitoring and assessments undertaken under condition 3.2.1;

in such format and within such timescales as the Environment Agency may specify in writing.

4.3 Notifications

4.3.1 The Environment Agency shall be notified without delay following the detection of:

- (a) any malfunction, breakdown or failure of equipment or techniques or accident, which has caused, is causing or may cause significant pollution or may generate significant amounts of radioactive waste;
- (b) the breach of a limit specified in this permit; or
- (c) any significant adverse environmental effects; or
- (d) any escape of accumulated radioactive waste.

4.3.2 Any information provided under condition 4.3.1 shall be confirmed by sending the information listed in Schedule 4 within the time period specified in that Schedule.

4.3.3 The Environment Agency shall be notified in writing, at least 21 days in advance or, where this is not possible, without delay, of the operator's intention to cease to accumulate or dispose of radioactive waste.

4.3.4 The Environment Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:

- (a) Where the operator is a registered company:
 - any change in the operator's trading name, registered name or registered office address; and
 - any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.
- (b) Where the operator is a corporate body other than a registered company:
 - any change in the operator's name or address; and
 - any steps taken with a view to the dissolution of the operator.
- (c) In any other case:
 - the death of any of the named operators (where the operator consists of more than one named individual); and
 - any steps taken with a view to the operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case them being in a partnership, dissolving the partnership.

4.3.5 If the operator believes or has reasonable grounds for believing that radioactive waste have been lost or stolen he shall:

- (a) without delay inform the Police and the Environment Agency;
- (b) make all reasonable efforts to recover that radioactive waste; and
- (c) as soon as is practicable report the circumstances in writing to the Environment Agency.

4.4 Interpretation

4.4.1 In this permit the expressions listed below shall have the meaning given.

4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made "without delay", in which case it may be provided by telephone.

"activity", expressed in becquerels, means the number of spontaneous nuclear transformations occurring in a period of one second.

"annual limit" means the limit over a calendar year.

"aqueous waste" means radioactive waste in the form of a continuous aqueous phase together with any entrained solids, gases and non-aqueous liquids.

"best available techniques" means the latest stage of development (state of the art) of processes, of facilities or of methods of operation which indicate the practical suitability of a particular measure for limiting discharges, emissions and waste. In determining whether a set of processes, facilities and methods of operation constitute the best available techniques in general or individual cases, special consideration shall be given to:

- (a) comparable processes, facilities or methods of operation which have recently been successfully tried out;
- (b) technological advances and changes in scientific knowledge and understanding;
- (c) the economic feasibility of such techniques;
- (d) time limits for installation in both new and existing plants; and
- (e) the nature and volume of the discharges and emissions concerned.

"Bq, kBq, MBq, GBq, TBq and PBq" are used as abbreviations meaning becquerels, kilobecquerels, megabecquerels, gigabecquerels, terabecquerels and petabecquerels respectively.

"calendar year" means a period of 12 consecutive months beginning on 1 January.

"environment" means all, or any, of the media of air, water (to include sewers and drains) and land.

"environmental permit" means a permit under the Environmental Permitting Regulations for the accumulation or disposal of radioactive waste.

"Environmental Permitting Regulations" means The Environmental Permitting (England and Wales) Regulations 2010.

"gaseous waste" means radioactive waste in the form of gases and associated mists and particulate matter.

"LLW" means solid radioactive waste, including any immediate packaging, with a maximum concentration of 4 gigabecquerels per tonne of alpha emitting radionuclides and 12 gigabecquerels per tonne of all other radionuclides.

"LLWR" means Low Level Waste Repository near Drigg, Cumbria.

"LLWR Site Operator" means the holder of the licence issued under the Nuclear Installations Act 1965 for the LLWR.

"Month" means calendar month.

"nuclear site" means a site licensed under the Nuclear Installations Act 1965.

"quarter" means any period of three consecutive months.

"organic liquid waste" means radioactive waste in the form of liquid, not being aqueous waste, containing one or more organic chemical compounds.

"packaging" includes any sack, drum, container or wrapping.

"RPA" means a Radiation Protection Adviser appointed under Regulation 13 of the Ionising Radiations Regulations 1999.

"samples" includes samples that have been prepared or treated to enable measurements of activity to be made.

"techniques" include both the technology used and the way in which the installation is designed, built, maintained, operated and dismantled.

"Total", where used in Schedule 1, Table S1.2, excludes any radionuclide which would fall within the description of radionuclides given for the total in question, but which is specifically identified and limited elsewhere in that table:

"VLLW" means very low level solid radioactive waste, which is disposed of with non-radioactive refuse, and in which:

- (a) except in the case of carbon-14 and tritium, each 0.1m³ of waste contains less than 400 kBq of total activity;
- (b) except in the case of carbon-14 and tritium, any single item contains less than 40 kBq of total activity;
- (c) each 0.1m³ of waste contains less than 4000 kBq of carbon-14 and tritium, taken together; and
- (d) any single item contains less than 400 kBq of carbon-14 and tritium, taken together.

Schedule 1 – Operations

Table S1.1: Activities			
Activity reference	Activity listed in Schedule 23 of the Environmental Permitting Regulations	Description of specified activity	Limit of specified activity
A1	Sch 23 Part 2 para 11(2)(b)	Disposal of radioactive waste on or from the premises.	No justification required.
A2	Sch 23 Part 2 para 11(4)(a)	Receipt of radioactive waste for the purpose of disposal	
A4	Sch 23 Part 2 para 11(2)(c)	Accumulation of radioactive waste on the premises	

Table S1.2A: Pre-operational measures	
Reference	Pre-operational measures
-	None specified.

Table S1.3: Improvement programme requirements		
Reference	Requirement	Date
-	None specified.	-

Schedule 2 – Accumulation of radioactive waste

Table S2.1: Accumulation of radioactive waste				
Specified waste type	Radionuclide or group of radionuclides	Activity limit	Volume limit	Period limit
Solid waste ^{1, 2}	Carbon-14, tritium	60 GBq	25 m ³	30 days
	Iodine radionuclides	2 GBq		
	Total beta / gamma-emitting radionuclides	1 GBq		
VLLW	Any radionuclide	VLLW		30 days

¹ The decay storage for Solid Waste may be extended up to 60 days only where the earlier incineration of such waste would result in a breach of any of the burn limits in Table S3.4 below.

² Solid Waste shall include Organic Liquid Waste.

Schedule 3 – Disposals of radioactive waste

Table S3.1: Specified disposals to air

Specified waste type	Disposal outlet ref	Radionuclide or group of radionuclides	Annual limits	Daily limits
Gaseous Waste	Main stack		-	-

Note: The emissions to air are controlled through the solid waste limits, specified in Table S3.4 below, which limit the radionuclides and maximum activity that can be incinerated.

Table S3.2: Specified disposals to sewer or water

Specified waste type	Disposal outlet ref	Radionuclide or group of radionuclides	Monthly limits
Aqueous waste	The drainage system of the premises authorised for disposal.	Total beta/gamma-emitting radionuclides	50 MBq

Table S3.3: Specified transfers to other premises

Specified waste type	Person to whom waste may be transferred	Purpose of transfer	Radionuclide or group of radionuclides	Annual limits	Annual volume limits m ³
VLLW	Any person who holds an environmental permit for the recovery or disposal of non-radioactive waste of the same type (excluding its radioactive properties) as the VLLW.	For treatment or disposal	VLLW		
Combustible Solid waste ¹	The holder of a permit under the Environmental Permitting Regulations to receive and dispose of radioactive waste by incineration.	Final disposal	Carbon-14, tritium	60 GBq	
			Iodine radionuclides	2 GBq	
			Total beta/gamma-emitting radionuclides	1.6 GBq	

¹ Solid Waste shall include Organic Liquid Waste.

Table S3.4: Specified disposal by on-site incineration

Specified waste type	Incinerator unit	Radionuclide or group of radionuclides	Monthly limits	Daily limits
Combustible Solid waste ¹	Clinical Waste Incinerator at Alexandra Hospital, Redditch	Carbon-14, tritium	30 GBq	
		Iodine radionuclides		30 MBq
		Total beta/gamma-emitting radionuclides		22 MBq
		Total beta/gamma-emitting radionuclides excluding sulphur - 35		17MBq

¹ Solid Waste shall include Organic Liquid Waste.

Schedule 4 - Notification

These pages outline the information that the operator must provide.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the disposal. Where appropriate, a comparison should be made of actual disposals and permitted disposal limits.

Part A

Permit Number	
Name of operator	
Location of Facility	
Time and date of the detection	

(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or disposal which has caused, is causing or may cause significant pollution or may generate significant amounts of radioactive waste	
To be notified within 24 hours of detection	
Date and time of the event	
Reference or description of the location of the event	
Description of where any disposal into the environment took place	
Radionuclides potentially released	
Best estimate of the quantity or rate of release of radionuclides or amount of radioactive waste generated	
Measures taken, or intended to be taken, to stop any disposal	
Description of the failure or accident	

(b) Notification requirements for the breach of a limit	
To be notified within 24 hours of detection unless otherwise specified below	
Disposal outlet reference/source	
Radionuclides	
Limit	
Measured value and uncertainty	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the disposal	
Time periods for notification following detection of a breach of a limit	
Parameter	Notification period

(c) Notification requirements for the detection of any significant adverse environmental effect	
To be notified within 24 hours of detection	
Description of where the effect on the environment was detected	
Radionuclides detected	
Activity of radionuclides detected	
Date of monitoring/sampling	

Part B - to be submitted as soon as practicable

Any more accurate information on the matters for notification under Part A	
Measures taken, or intended to be taken, to prevent a recurrence of the incident	
Measures taken, or intended to be taken, to rectify, limit or prevent any contamination of the environment which has been or may be caused by the disposal	
The dates of any unauthorised disposals from the facility in the preceding 24 months	

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of Polkacrest Limited

Schedule 5 - Site plan



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END of PERMIT

Notice of transfer with introductory note

Environmental Permitting (England & Wales) Regulations 2010

SITA Healthcare Limited

Redditch Waste Treatment Facility
Alexandra Hospital
Woodrow Drive
Redditch
Worcestershire
B98 7UB

Transfer notice number
EPR/ZB3930DS/T001

Permit number
EPR/ZB3930DS

Redditch Waste Treatment Facility

Permit Number EPR/ZB3930DS

Introductory note

This introductory note does not form a part of the notice

The following notice gives notice of the transfer of an environmental permit to a new operator (the transferee).

The Schedules specify the changes made to the original environmental permit as a result of the transfer. A new permit, reflecting the changes made to the transferee's permit has been issued.

The status log of a permit sets out the permitting history, including any changes to the permit reference number.

Status Log of the permit		
Detail	Date	Response Date
Application EPR/ZB3930DS/T001 (Full transfer of permit EPR/GP3290SA)	Duly made 05/02/13	-
Company name change from Polkacrest Limited to SITA Healthcare Limited	06/03/13	-
Transfer determined EPR/ZB3930DS	26/03/13	-

End of Introductory Note

Transfer of permit

The Environmental Permitting (England and Wales) Regulations 2010

Transfer notice

Permit number
EPR/ZB3930DS

The Environment Agency in exercise of its powers under regulation 21 of the Environmental Permitting (England and Wales) Regulations 2010 transfers permit number EPR/GP3290SA from SITA UK Limited to:

SITA Healthcare Limited (*"the operator"*)

whose registered office is principal office is

**SITA House
Grenfell Road
Maidenhead
Berkshire
SL6 1ES**

company registration number **03882534**

to carry on radioactive substances activities at

**Redditch Waste Treatment Facility
Alexandra Hospital
Woodrow Drive
Redditch
Worcestershire
B98 7UB**

to the extent set out in the schedules.

Name	Date
Richard Lee	26/03/2013

Authorised on behalf of the Environment Agency

Schedule 1: variations to the permit

No changes have been made to the permit.

Schedule 2: varied and consolidated permit

A varied and consolidated permit has been separately issued.

Environment Agency Permitting Decisions

RSR permits for accumulation/disposal of radioactive waste

Record of decision

We have decided to transfer the permit specified below.

The permit number is EPR/ZB3930DS replacing permit number EPR/GP3290SA

The applicant is 'transferor': SITA UK Limited and 'transferee': Polkacrest Limited.

The facility is located at Redditch Waste Treatment Facility, Alexandra Hospital, Woodrow Drive, Redditch, Worcestershire, B98 7UB.

The Operator notified a change of fact by letter (14 March 2013) during consultation to change their Company House registered name to SITA Healthcare Limited from Polkacrest Ltd on the 6 March 2013 and their registered address 13 January 2013. This change of fact has been combined with the transfer so that the transferee is now named as: Sita Healthcare Ltd

The decision is effective from 26/03/2013.

We consider in reaching that decision we have taken into account all relevant considerations and legal requirements and that the permit will ensure the appropriate level of protection of people and the environment. These considerations and legal requirements are set out in the published government and Environment Agency guidance supporting the Environmental Permitting Regulations.

Reasons for our decision

Unless specified otherwise below, we have accepted the applicant's proposals.

Justification

Justification is not required.

Operator and operator competence

We are satisfied that the applicant (transferee) is the person who will have control over the operation of the facility after the grant of the permit.

We have assessed the applicant's management arrangements against our guidance. We have not identified any reasons indicating that the applicant is unable to operate in accordance with the permit.

Disposal of radioactive waste - optimisation

We have assessed the applicant's proposals against our guidance on 'best available techniques'. We are satisfied that the applicant has demonstrated that the best available techniques will be used to minimise the creation of radioactive waste and the activity in (and volume of, where appropriate) radioactive waste to be disposed of.

No change in disposal routes used by the Incinerator.

Disposal routes and limits

The transfer has no impact on this topic.

Assessment of activity in discharges and disposals

We are satisfied that the operator has identified appropriate measures to assess the activity in discharges and disposals.

Radiological assessment

We have assessed the applicant's assessment of the potential dose to humans. We are satisfied that the assessed dose to the public is within the dose limit of 1000 microsieverts per year, and the source dose constraint of 300 microsieverts per year.

We have carried out an assessment of the potential impact on non-human species. We are satisfied that reference flora and fauna would be exposed to a maximum dose-rate within our guideline value of 40 micrograys per hour. The discharges will thus have no significant adverse impact on a European site, SSSI or AONB.

Consultation

The transfer has no impact on this topic. Draft permit consultation with the Operator was on the 5 March 2013 and we received the response 7 March 2013.

Completed by: Peter Borrell
Date: 14 March 2013

Environmental Permitting (England and Wales) Regulations 2010
Environment Agency Specification



Environment Agency Specification made under condition 4.2.2 of

Permit number: EPR/ZB3930DS

issued to: SITA Healthcare Limited

for the disposal of radioactive waste from:

Redditch Waste Treatment Facility, Alexandra Hospital, Woodrow Drive,
Redditch, Worcestershire, B98 7UB

Permit condition

The operator shall supply such information in relation to the samples, tests, surveys, analysis and calculations, environmental monitoring and assessments undertaken under conditions 3.2.1 and 3.2.3 in relation to disposals of radioactive waste in the form of open sources, in such format and within such timescales as the Environment Agency may specify.

Environment Agency Specification

The Environment Agency specifies that:

1. The Operator shall supply information relating to disposals of radioactive waste as specified in the attached Schedule, taking account of the guidance provided in Reporting Form PI(RAS), and in accordance with the following:
 - (a) the information shall be provided not later than 28 February each year for disposals made during the preceding calendar year;
 - (b) the information shall be provided by:
 - (i) using our web-based reporting system (accessible from www.environment-agency.gov.uk/pi); or
 - (ii) completing form PI(RAS) (available from www.environment-agency.gov.uk/pi) and e-mailing it to: PPC_nottingham@environment-agency.gov.uk or posting a paper copy to: Environment Agency, Trentside House, West Bridgford, Nottingham, NG2 5FA
 - (c) the information provided on release quantities shall be the Operator's best estimate achievable with the time and resources available. The Operator is not required to perform additional monitoring, beyond any demanded by the permit, in order to complete the Reporting Form.

This specification is effective from: 26/03/2013

Issued by: Richard Lee

(authorised to issue such documents on behalf of the Environment Agency)

Date: date 26/03/2013

Pollution Inventory Schedule – radioactive waste

Part 1 About the operator and site

The information we require you to provide in Part 1, includes:

- details about you and your operations – permit number, operator name and address, and contact details;
- any claim that information provided is confidential.

Purpose of Parts 2, 3, 4 and 5 of this Schedule

We require you to provide information on your releases of radioactive wastes to air, water and sewers, and transfers of radioactive wastes to other sites or operators. Parts 2, 3, 4 and 5 of this Schedule list the individual reportable radionuclides for each environmental medium/disposal route (air, sewers, controlled water, waste transfers) and the reporting thresholds that apply to those radionuclides.

Part 2 Releases to air

Annual reporting threshold	Radionuclide
1 10 ¹¹ Bq (100 GBq)	Tritium
1 10 ⁹ Bq (1 GBq)	Carbon-14
1 10 ¹¹ Bq (100 GBq)	Fluorine-18
1 10 ⁸ Bq (100 MBq)	Sulphur-35
1 10 ¹² Bq (1 TBq)	Argon-41
1 10 ¹² Bq (1 TBq)	Krypton-85
1 10 ¹² Bq (1 TBq)	Technetium-99m
1 10 ⁹ Bq (1 GBq)	Ruthenium-106
1 10 ⁷ Bq (10 MBq)	Iodine-125
1 10 ⁶ Bq (1 MBq)	Iodine-129
1 10 ⁷ Bq (10 MBq)	Iodine-131
1 10 ¹² Bq (1 TBq)	Xenon-133
1 10 ⁸ Bq (100 MBq)	Caesium-137
1 10 ⁹ Bq (1 GBq)	Radon-222
1 10 ⁷ Bq (10 MBq)	Uranium alpha
1 10 ⁶ Bq (1 MBq)	Plutonium alpha
1 10 ⁶ Bq (1 MBq)	Americium-241
1 10 ⁶ Bq (1 MBq)	Other alpha particulate
1 10 ⁶ Bq (1 MBq)	Other beta/gamma particulate

Pollution Inventory Schedule – radioactive waste

Part 3 Releases to sewers

Annual reporting threshold	Radionuclide
1 10 ⁶ Bq (1 MBq)	Total alpha
1 10 ⁶ Bq (1 MBq)	Total beta/gamma (but not tritium)
1 10 ¹¹ Bq (100 GBq)	Tritium
1 10 ⁸ Bq (100 MBq)	Carbon-14
1 10 ¹⁰ Bq (10 GBq)	Fluorine-18
1 10 ⁸ Bq (100 MBq)	Sodium-22
1 10 ⁶ Bq (1 MBq)	Phosphorus-32
1 10 ⁷ Bq (10 MBq)	Phosphorus-33
1 10 ⁷ Bq (10 MBq)	Sulphur-35
1 10 ⁷ Bq (10 MBq)	Chromium-51
1 10 ⁷ Bq (10 MBq)	Cobalt-57
1 10 ⁶ Bq (1 MBq)	Cobalt-58
1 10 ⁶ Bq (1 MBq)	Cobalt-60
1 10 ⁸ Bq (100 MBq)	Gallium-67
1 10 ⁶ Bq (1 MBq)	Selenium-75
1 10 ⁹ Bq (1 GBq)	Strontium-89
1 10 ⁷ Bq (10 MBq)	Strontium-90
1 10 ⁹ Bq (1 GBq)	Yttrium-90
1 10 ⁶ Bq (1 MBq)	Zirconium-95
1 10 ⁶ Bq (1 MBq)	Niobium-95
1 10 ⁶ Bq (1 MBq)	Technetium-99
1 10 ¹⁰ Bq (10 GBq)	Technetium-99m
1 10 ⁸ Bq (100 MBq)	Ruthenium-106
1 10 ⁸ Bq (100 MBq)	Indium-111
1 10 ⁸ Bq (100 MBq)	Antimony-125
1 10 ⁹ Bq (1 GBq)	Iodine-123
1 10 ⁹ Bq (100 MBq)	Iodine-125
1 10 ⁷ Bq (10 MBq)	Iodine-129
1 10 ⁸ Bq (100 MBq)	Iodine-131
1 10 ⁷ Bq (10 MBq)	Caesium-134
1 10 ⁷ Bq (10 MBq)	Caesium-137
1 10 ⁸ Bq (100 MBq)	Cerium-144
1 10 ⁸ Bq (100 MBq)	Samarium-153
1 10 ¹¹ Bq (100 GBq)	Erbium-169
1 10 ⁹ Bq (1 GBq)	Thallium-201
1 10 ⁷ Bq (10 MBq)	Thorium-230
1 10 ⁷ Bq (10 MBq)	Thorium-232
1 10 ⁸ Bq (100 MBq)	Uranium alpha
1 10 ⁷ Bq (10 MBq)	Neptunium-237

Pollution Inventory Schedule – radioactive waste

Annual reporting threshold	Radionuclide
1 10 ⁷ Bq (10 MBq)	Plutonium alpha
1 10 ⁸ Bq (100 MBq)	Plutonium-241
1 10 ⁷ Bq (10 MBq)	Americium-241
1 10 ⁸ Bq (100 MBq)	Curium-242
1 10 ⁶ (1 MBq)	Other alpha
1 10 ⁶ (1 MBq)	Other beta/gamma

Part 4 Releases to controlled water

Annual reporting threshold	Radionuclide
1 10 ⁶ Bq (1 MBq)	Total alpha
1 10 ⁶ Bq (1 MBq)	Total beta/gamma (but not tritium)
1 10 ¹² Bq (1 TBq)	Tritium
1 10 ⁸ Bq (100 MBq)	Carbon-14
1 10 ¹⁰ Bq (10 GBq)	Sulphur-35
1 10 ⁷ Bq (10 MBq)	Cobalt-60
1 10 ⁸ Bq (100 MBq)	Strontium-90
1 10 ⁹ Bq (1 GBq)	Yttrium-90
1 10 ⁹ Bq (1 GBq)	Zirconium-95
1 10 ⁸ Bq (100 MBq)	Niobium-95
1 10 ⁹ Bq (1 GBq)	Technetium-99
1 10 ⁹ Bq (1 GBq)	Ruthenium-106
1 10 ¹⁰ Bq (10 GBq)	Antimony-125
1 10 ⁸ Bq (100 MBq)	Iodine-129
1 10 ⁷ Bq (10 MBq)	Caesium-134
1 10 ⁸ Bq (100 MBq)	Caesium-137
1 10 ⁹ Bq (1 GBq)	Cerium-144
1 10 ⁷ Bq (10 MBq)	Thorium-230
1 10 ⁷ Bq (10 MBq)	Thorium-232
1 10 ⁸ Bq (100 MBq)	Uranium alpha
1 10 ⁸ Bq (10 MBq)	Neptunium-237
1 10 ⁸ Bq (10 MBq)	Plutonium alpha
1 10 ¹⁰ Bq (100 MBq)	Plutonium-241
1 10 ⁸ Bq (10 MBq)	Americium-241
1 10 ¹⁰ Bq (100 MBq)	Curium-242
1 10 ⁶ Bq (1 MBq)	Other alpha
1 10 ⁶ Bq (1 MBq)	Other beta/gamma

Pollution Inventory Schedule – radioactive waste

Part 5 Transfers of radioactive waste

Part 5a Transfers of radioactive waste for incineration

Annual reporting threshold	Radionuclide
1 10 ⁶ (1 MBq)	Total alpha
1 10 ⁶ (1 MBq)	Total beta/gamma (but not tritium)
1 10 ¹¹ (100 GBq)	Tritium

Part 5b Transfers of radioactive waste for controlled burial at a landfill site specified in permit

Annual reporting threshold	Radionuclide
1 10 ⁶ (1 MBq)	Total alpha
1 10 ⁶ (1 MBq)	Total beta/gamma (but not tritium)
1 10 ¹¹ (100 GBq)	Tritium

Part 5c Transfers of radioactive waste for disposal at Drigg

Annual reporting threshold	Radionuclide
1 10 ⁶ (1 MBq)	Total alpha
1 10 ⁶ (1 MBq)	Total beta/gamma (but not tritium)
1 10 ¹¹ (100 GBq)	Tritium

Part 5d Other transfers of radioactive waste

Annual reporting threshold	Radionuclide
1 10 ⁶ (1 MBq)	Total alpha
1 10 ⁶ (1 MBq)	Total beta/gamma (but not tritium)
1 10 ¹¹ (100 GBq)	Tritium

