



**LLW ENVIRONMENTAL PERMIT DATED 26 FEBRUARY
2016**

**FOR THE DEVELOPMENT CONSENT ORDER
APPLICATION FOR THE ALTERATION AND
CONSTRUCTION OF HAZARDOUS WASTE AND LOW
LEVEL RADIOACTIVE WASTE FACILITIES AT THE EAST
NORTHANTS RESOURCE MANAGEMENT FACILITY,
STAMFORD ROAD, NORTHAMPTONSHIRE**

PINS project reference: WS010005

PINS document reference: 9.2.1.1.C

March 2022



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**Environment
Agency**

Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

Augean South Limited

**East Northants Resource Management Facility
Stamford Road
Kings Cliffe
Northamptonshire
PE8 6XX**

Permit number

EPR/FB3598DD

East Northants Resource Management Facility

Permit number EPR/FB3598DD

Introductory note

This introductory note does not form a part of this permit

The permit allows the Operator to receive and dispose of radioactive waste on the specified premises.

The permit is issued under the provisions of regulation 13 of the Environmental Permitting (England and Wales) Regulations 2010. Those Regulations are concerned, amongst other things, with the control of radioactive material and radioactive waste.

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

The main site operational facilities are a hazardous waste and low activity low level waste landfill and a soil treatment and recycling plant. These facilities include leachate and surface water management infrastructure and a landfill gas management compound, including a flare stack, which are located in the north western corner of the site.

The landfill area is divided into a number of phases, with each phase sub-divided into two cells. Phases 1, 2 and 3 have been filled. Cells 3A and 3B and parts of cells 1A, 1B, 2A and 2B have been capped. Cells 4A and 4B are filled and covered with a temporary cap and cell 5 is currently being filled. The newer areas of the landfill are located in the western part of the site and comprise a series of phases numbered 6 to 11.

Excess leachate collected from the site is pumped into a leachate storage tank and used in the on-site permitted waste treatment facility, in place of clean water. Excess leachate is removed from site by tanker for treatment and disposal at a suitably authorised waste water treatment plant.

This document is a varied and consolidated permit reflecting the changes made to the permit since issue.

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
CD8503 issued	01/06/11	
Application EPR/FB3598DD/V001	Duly made 05/08/15	
Additional information received		27/11/15
Additional information received		18/12/15
Variation determined EPR/FB3598DD	26/02/15	

End of Introductory Note

Permit

Permit number
EPR/FB3598DD

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

Augean South Limited ("the operator")


whose registered office is

**4 Rudgate Court
Walton
Wetherby
West Yorkshire
LS23 7BF**

company registration number: **4636789**

to carry on radioactive substance activities at
**East Northants Resource Management Facility
Stamford Road, Kings Cliffe, Northamptonshire PE8 6XX**
("the premises")

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

Name	Date
	26 th February 2016

Authorised on behalf of the Environment Agency

The permit shall come into effect from 1 March 2016

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 achieve compliance with the conditions of this permit;
- (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 The operator shall maintain a documented environmental safety case in relation to the burial of radioactive waste, which demonstrates:

- (a) the use of best available techniques to protect members of the public and the environment;
- (b) protection of members of the public and the environment from the non-radiological hazards of the radioactive waste;

throughout the life-cycle of the facility.

1.1.4 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.

1.1.5 The operator shall manage and operate the activities in consultation with such suitable Radioactive Waste Advisers 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").

2.2 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 7 to this permit.

2.3 Operating techniques

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

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

- (a) to meet the requirements of conditions 2.3.1;
- (b) to carry out any monitoring and measurements necessary to determine compliance with the conditions of this permit;
- (c) to measure and assess the exposure of members of the public and radioactive contamination of the environment.

2.3.3 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.

2.3.4 The operator shall have and comply with appropriate criteria for the acceptance into service of systems, equipment and procedures for:

- (a) carrying out any monitoring and measurements necessary to determine compliance with the conditions of this permit;
- (b) measuring and assessing exposure of members of the public and radioactive contamination of the environment.

- 2.3.5 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 Improvement and information programme

- 2.4.1 The operator shall complete the requirements specified in schedule 1 table S1.2 by the date specified in that table unless otherwise agreed in writing by the Environment Agency.
- 2.4.2 Except in the case of a requirement which consists only of a submission to the Environment Agency, the operator shall notify the Environment Agency within 14 days of completion of each requirement.

2.5 Pre-operational conditions

- 2.5.1 The activities shall not be brought into operation until the measures specified in schedule 1 table S1.3A have been completed.
- 2.5.2 The specific disposals and receipts of radioactive waste identified in schedule 1 table S1.3B shall not commence until the relevant measures specified in that table have been completed.

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 information specified in 2.6.1(b);
- (e) keep a copy of any such note received;
- (f) provide a receipt to the consignor in respect of each consignment of radioactive waste that the operator accepts.

- 2.6.2 The operator shall visually inspect:

- (a) without unloading it, radioactive waste that is not in an enclosed container or enclosed vehicle on arrival at the premises; and
- (b) radioactive waste at the point of burial;

and shall establish as far as reasonably practicable whether it conforms to the consignor's characterisation documentation provided for that radioactive waste.

- 2.6.3 The operator shall ensure that any radioactive waste which does not comply with the specifications produced pursuant to condition 2.6.1 is returned to the consignor as soon as reasonably practicable, and within 24 hours of the quarantine facility becoming full, and in any event within 5 days of receipt at the site, unless otherwise agreed in writing with the Environment Agency.
- 2.6.4 The operator shall not accept delivery of radioactive waste for disposal by burial on the premises nor dispose of radioactive waste by burial on the premises whenever landfill disposal operations under environmental permit EPR/TP3430GW (as varied or replaced) have ceased.
- 2.6.5 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.
- 2.6.6 The provisions of 2.6.5 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;

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 only dispose of solid radioactive waste by burial if:
- (a) all the relevant radioactive waste acceptance procedures have been completed and it fulfils the relevant radioactive waste acceptance criteria as defined in the environmental safety case, unless otherwise agreed in writing by the Environment Agency;
 - (b) it has not been diluted or mixed solely to meet condition 3.1.3(a) or any other condition of the permit;
 - (c) it:
 - (i) would be acceptable for disposal under environmental permit EPR/TP3430GW (as varied or replaced) as if that permit applied to the waste and all the relevant waste acceptance procedures have been completed and it fulfils the relevant waste acceptance criteria, including any derogations specified in that environmental permit, unless otherwise agreed in writing by the Environment Agency; or
 - (ii) would be inert waste, if it were not radioactive waste and all the relevant waste acceptance procedures have been completed and it fulfils the relevant waste acceptance criteria, unless otherwise agreed in writing by the Environment Agency; or
 - (iii) would be non-hazardous waste, if it were not radioactive waste and all the relevant waste acceptance procedures have been completed and it fulfils the relevant waste acceptance criteria, unless otherwise agreed in writing by the Environment Agency.
- 3.1.4 The operator shall make a record all disposals of radioactive waste. This shall include the information in and shall be in accordance with the timescales specified in Table S3.3

3.2 Monitoring

- 3.2.1 The operator shall:
- (a) take samples and conduct measurements, tests, surveys, analyses and calculations to determine compliance with the conditions of this permit;
 - (b) unless otherwise agreed in writing by the Environment Agency:
 - (i) define, document and carry out an environmental monitoring programme;
 - (ii) use the results of that programme to carry out an annual retrospective assessment of the dose to the representative person;
 - (iii) inform the Environment Agency in writing in advance of any modifications affecting the extent of that programme or that have a potential to change the results obtained;
 - (c) use the best available techniques when taking such samples, conducting such measurements, tests, surveys, analyses and calculations, and carrying out such an environmental monitoring programme and retrospective dose assessment, unless particular techniques are specified in schedule 3 of this permit or in writing by the Environment Agency;
 - (d) define and document the techniques being employed to determine the activity of radioactive waste disposals and inform the Environment Agency in writing in advance of any modifications to those techniques that have a potential to change the results obtained.
- 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 Monitoring equipment, techniques, personnel and organisations employed for the monitoring of disposals and the environment required by condition 3.2.1 or 3.2.4 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by the Environment Agency.

3.2.4 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;
- (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.

3.2.5 The operator shall carry out:

- (a) regular calibration, at an appropriate frequency, of systems and equipment provided for:
 - (i) carrying out any monitoring and measurements necessary to determine compliance with the conditions of this permit;
 - (ii) measuring and assessing exposure of members of the public and radioactive contamination of the environment;
- (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;
- (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 keep on the premises all records, plans and the management system required by this permit, unless otherwise agreed in writing by the Environment Agency.

4.1.3 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;
- (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.

4.2 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;
- (b) the samples, tests, surveys, analysis and calculations, environmental monitoring and assessments undertaken under conditions 3.2.1 and 3.2.4 in relation to disposals of radioactive waste;

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

4.3 Notifications

- 4.3.1 The operator shall notify the Environment Agency without delay following the detection of:
- (a) any malfunction, breakdown or failure of equipment or techniques or any accident that 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 disposal of waste other than by a relevant permitted route;
 - (c) any significant adverse environmental effects that could reasonably be seen to result from the operation of the facility.
- 4.3.2 Any information provided under condition 4.3.1 shall be confirmed by sending the information listed in schedule 5 within the time period specified in that schedule.
- 4.3.3 Where the operator proposes to make a change to the environmental safety case, including a change to the waste acceptance criteria, which might have, or might reasonably be seen to have, a significant impact on the quantity or nature of radioactive wastes that can be buried, the operator shall:
- (a) notify the Environment Agency at least 28 days before making that change, including in the notification a description of the proposed changes;
 - (b) where the Environment Agency so notifies the operator, not implement the proposed changes until the Environment Agency has given its agreement in writing.
- 4.3.4 Where the Environment Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Environment Agency when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to the Environment Agency at least 14 days before the date the monitoring is to be undertaken.
- 4.3.5 The operator shall notify the Environment Agency within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:
- (a) any change in the operator's trading name, registered name or registered office address;
 - (b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.
- 4.3.6 Where the operator proposes to make a change in the management system or resources, which might have, or might reasonably be seen to have, a significant impact on how compliance with the conditions of this permit is achieved:
- (a) the operator shall notify the Environment Agency at least 28 days before making that change, or where that is not possible, without delay; and
 - (b) shall include in the notification a description of the proposed changes.

4.4 Interpretation

- 4.4.1 In this permit the expressions listed in schedule 6 shall have the meaning given in that schedule.
- 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.

Schedule 1 - Operations

Table S1.1 activities

Activity reference	Activity listed in Schedule 23 of the regulations	Description of activity	Limit of activity
A1	Schedule 23 Part 2 para 11(2)(b)	Disposal of radioactive waste on or from the premises	Disposal by burial on the premises of radioactive wastes from justified practices and work not subject to the requirement for justification.
A2	Schedule 23 Part 2 para 11(4)(a)	Receipt of radioactive waste for the purpose of disposal	

Table S1.2 Improvement and information requirements

Reference	Requirement	Date
I1	The operator shall provide the Environment Agency with a report of a comprehensive review of the activities undertaken to demonstrate compliance with the limits and conditions specified within this permit for the disposal of radioactivity (e.g. checks, monitoring, sampling and audits). A programme for carrying out any necessary changes identified by the review should be included.	Every 3 years from the effective date of this permit or as otherwise agreed in writing by the Environment Agency.
I2	The operator shall provide the Environment Agency with an updated Environmental Safety Case for the site.	Every 10 years from the effective date of this permit or as otherwise agreed in writing by the Environment Agency.
I3	The operator shall develop a procedure for determining what changes to the environmental safety case and waste acceptance criteria might have, or might reasonably be seen to have, significant repercussions for the management of the disposal of radioactive waste by burial.	Within 12 months of the issue of this permit
I4	The operator shall review the results of the monitoring and assessment carried out in accordance with this permit against the relevant assumptions, parameters and results in the assessment of the impact of the disposals submitted with the application. The operator shall provide a report to the Environment Agency that details this review. A programme for carrying out any necessary changes identified by the review should be included in the report.	Every year from the date of first radioactive waste disposal or as otherwise agreed in writing by the Environment Agency.
I5	The operator shall submit a written report to the Environment Agency identifying an optimised approach for the management of particles that could lead to doses in excess of the NS-GRA dose guidance level range. The operator shall seek prior agreement from the Environment Agency on the scope of the report to be submitted.	Report to be submitted within 12 months of issue of this permit
I6	The operator shall determine trigger levels for individual and total radionuclide activities measured in the leachate. The trigger levels will be designed to ensure the activity levels in the leachate do not cause a breach of any relevant dose constraints during the operational period of the site. The operator will produce a report specifying the trigger levels and the reasoning used to justify the levels. The report will outline a proposed leachate monitoring programme and contingency arrangements proposed for the management of the leachate, where the measured radioactivity has reached trigger levels.	Report to be submitted within 12 months of issue of this permit

Table S1.3A Pre-operational measures

Reference	Measure
	None specified

Table S1.3B Pre-operational measures for future development

Reference	Disposal or receipt	Measure
		None specified

Schedule 2 –Accumulation of radioactive waste

There are no requirements under this schedule

Schedule 3 – Disposals of radioactive waste and monitoring

Table S3.1 Disposal by burial			
Radioactive Waste type	Disposal route	Activity limit	Mass limit Lifetime of the facility
Radioactive solid waste in which the total activity concentration does not exceed 200 Becquerels per gram when averaged over a consignment or over every successive 10 tonnes; whichever has the lowest total mass	Burial on the premises in cells 4B, 5A, 5B, 6, 7, 8, 9, 10, or 11	Sum of the ratio of the activity disposed of at the premises (in TBq) of each radionuclide, or group of radionuclides, listed in table 3.2 to the corresponding disposal limit value in table 3.2 < 1	448,000 tonnes

Table S3.2 Relevant values to be used in Table 3.1 for calculating limitation of total disposals on the premises

Radionuclide or Group of Radionuclides	Disposal limit for deriving radiological capacity based on sum of fractions calculation (TBq)
H-3	4120
C-14	120
Cl-36	0.37
Fe-55	1.08 10 ¹
Co-60	22.5
Ni-63	278000
Sr-90	41.9
Nb-94	144
Tc-99	90.7
Ru-106	2740
Ag-108m	200
Sb-125	129
Sn-126	220
I-129	0.0417
Ba-133	61100
Cs-134	545
Cs-137	2700
Pm-147	2.39 10 ¹
Eu-152	7160
Eu-154	38100
Eu-155	1.35 10 ⁴
Pb-210***	4440
Ra-226*	156
Ra-226**	2.51
Ra-228	839
Ac-227	1020
Th-229	298
Th-230	5.8
Th-232	70.8
Pa-231	4.76
U-232	4250
U-233	31.3
U-234	6.41
U-235	4.92
U-236	144
U-238	25.3
Np-237	0.452
Pu-238	1400
Pu-239	801
Pu-240	805
Pu-241	32000
Pu-242	493
Am-241	1080
Cm-243	818
Cm-244	7240
Other radionuclides ¹	0.0417

* Wastes containing activity concentrations of Ra-226 $\geq 5 \text{ Bq g}^{-1}$ are required by the Environmental Safety Case to be disposed of at a depth of 5 metres or greater below the restored surface.

** This limit applies to wastes buried within 5 metres of the surface of the restored site and containing activity concentrations of Ra-226 $< 5 \text{ Bq g}^{-1}$. Wastes containing activity concentrations of Ra-226 $< 5 \text{ Bq g}^{-1}$ can also be buried at greater depths, in which case the capacity relating to Ra-226* applies.

*** Only applies to activity that is not supported by the parent

1 "Other radionuclides" means any radionuclide not listed in this table and with a half-life greater than twelve months, or as specified in writing by the Environment Agency

Table S3.3 Records of disposals of radioactive waste

Reference	Record	Frequency of making record
R1	<ul style="list-style-type: none"> • Date of delivery • Quantity of radioactive waste (m³ and tonnes) • Identity of the waste producer • Site of origin of the waste • General description of the physical and chemical form of the radioactive waste • Activity of each radionuclide or group of radionuclides listed in Table S3.2 • Activity concentration of each radionuclide or group of radionuclides listed in Table S3.2 • The cell used for disposal of radioactive waste, including grid reference • Total activity and sum of ratios of each radionuclide or group of radionuclides listed in Table S3.2 disposed of under this permit for the whole site 	Each consignment
R2	Quantity of radioactive waste disposed of under this permit (m ³ and tonnes): <ul style="list-style-type: none"> (a) this calendar year (b) since the permit came into effect 	Each year

Schedule 4 – Reporting

There are no requirements under this schedule

Schedule 5 - 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 – to be provided within 24 hours

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

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 or disposal of radioactive waste other than by a relevant permitted route

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	

(c) Notification requirements for the detection of any significant adverse environmental effect

Description of where the effect on the environment was detected	
Radionuclides detected	
Activity of radionuclides detected	
Date of monitoring/sampling	

Part B - to be provided 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 AUGEAN SOUTH LIMITED

Schedule 6 - Interpretation

In this permit, except where otherwise specified, words and expressions defined in the regulations in relation to radioactive substances activities shall have the same meanings when used in this permit as they have in those regulations.

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

"*activity concentration*" means the ratio of the total activity and total mass of a consignment, expressed in Becquerels per gram (Bq/g)

"*annual limit*" means the limit over a period of any consecutive 12 months.

"*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;
- e. the nature and volume of the discharges and emissions concerned

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

"*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.

"*consignment*" means *an individual shipment of LLW to the premises or a series of shipments from a single source*

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

"*environmental safety case*" means the set of claims concerning the environmental safety of the disposal of solid radioactive waste as described in the guidance on the "Near-surface Disposal Facilities on land for Solid Radioactive Waste" at <http://publications.environment-agency.gov.uk/pdf/GEHO0209BPJL-e-e.pdf>

"*MCERTS*" means the Environment Agency's Monitoring Certification Scheme.

"*month*" means calendar month.

"*quarantine facility*" means the measures for the storage of radioactive waste that does not comply with the specifications produced pursuant to condition 2.6.1 awaiting the return of that waste to the consignor.

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

"*Radioactive Waste Adviser*" means, subject to the transitional arrangements in the Environment Agencies' Scheme for Radioactive Waste Advisers ("the Scheme"), either an individual certified under the Scheme and appointed in writing by the operator, or those individuals advising the operator under the operator's arrangements, approved under the Scheme, for "corporate radioactive waste adviser". The Scheme is set out in the Environment Agencies' Statement on Radioactive Waste Advisers of 24 May 2011, together with the associated guidance and other documents published by the Environment Agencies from time to time. (Current documents are available at: http://www.sepa.org.uk/radioactive_substances/radioactive_waste_advisers.aspx.)

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

"*spot sampling*" means the taking of samples of radioactive substances on a non-continuous basis for subsequent analysis.

"*week*" means a period of 7 consecutive days commencing at a day and time to be notified in writing to the Environment Agency by the Operator at least 14 days before any disposal of radioactive waste is made under the terms of this permit, any subsequent change being notified in writing to the Environment Agency at least 7 days in advance;

"*year*" means any period of 12 consecutive months;

