

Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Veolia ES (UK) Limited
Veolia HTI Plant
Bridges Road
ELLESMERE PORT
Cheshire
CH65 4EQ

Permit number
EPR/QB3839DT

Permit number EPR/QB3839DT

Introductory note

This introductory note does not form a part of this permit

The permit is issued under the provisions of regulation 13 of the Environmental Permitting (England and Wales) Regulations 2016. Those Regulations are concerned with the control of radioactive material and the receipt, accumulation and disposal (including transfer) of radioactive waste. The permit specifies the radioactive substances activities that are allowed on the named premises.

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 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/QB3839DT	duly made 01/10/2012	-
additional information received	-	19/02/2012
permit determined	09/04/2013	
EPR/QB3839DT/V002 change to charging scheme	01/04/2018	
EPR/QB3839DT/V003	Duly made 06/08/2019	
Permit determined	06/03/2020	
EPR/QB3839DT/V004	Duly made 05/06/2020	
Permit determined	12/08/2020	

End of Introductory Note

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit

Permit number

EPR/QB3839DT

The Environment Agency hereby authorises under regulation 13 of the Environmental Permitting (England and Wales) Regulations 2016

Veolia ES (UK) Limited (*“the operator”*)

whose registered office is

8th Floor
210 Pentonville Road
London
N1 9JY

company registration number **02481991**

to carry on radioactive substances Activities at

Veolia HTI Plant

Bridges Road

ELLESMERE PORT

South Wirral

CH65 4EQ (*“the premises”*)

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

Name	Date
Holly Male	12/08/2020

Authorised on behalf of the Environment Agency

Conditions

1 – Management

1.1 General management

- 1.1.1 The operator shall manage and operate the radioactive substances 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:
- (a) manage and operate the Activities in consultation with a suitable Radioactive Waste Adviser for the purpose of advising the operator on compliance with this permit; and
 - (b) appoint the Radioactive Waste Advisers in writing and include the scope of advice the Adviser is required to give.

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 permitted 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 radioactivity 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 material or radioactive waste; and
 - (ii) access to any radioactive material or 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 radioactivity 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 any 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.
- 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 material or 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 radioactive material 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 S1.3 have been completed.
- 2.4.2 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 S1.4 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.

2.7 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.
- 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 radioactivity 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 radioactivity on that date and the name and address of the person to whom it was transferred; and
 - (d) the total radioactivity 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 radioactivity 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 radioactivity 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 measuring instruments and other 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 measuring instruments and other 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;
 - (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 keep or use radioactive material, or 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:
 - (i) any change in the operator's trading name, registered name or registered office address; and
 - (ii) 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:
 - (i) any change in the operator's name or address; and
 - (ii) any steps taken with a view to the dissolution of the operator.
- (c) In any other case:
 - (i) the death of any of the named operators (where the operator consists of more than one named individual); and
 - (ii) 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 radioactive waste has been lost or stolen, or theft has been attempted, or there are reasonable grounds for believing that such an event has occurred:

- (a) the Police and the Environment Agency shall be notified without delay;
- (b) the Operator shall make all reasonable efforts to recover that radioactive waste; and
- (c) the circumstances, including any actions taken, shall be reported in writing to the Environment Agency as soon as is practicable.

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.

“*Activities*” means the permitted radioactive substances activities specified in Schedule 1, Table S1.1.

“*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.

“*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.

“*Environmental Permitting Regulations*” means The Environmental Permitting (England and Wales) Regulations 2016.

“*final disposal*” includes:

- (a) incineration of the radioactive waste on the premises;
- (b) burial of the radioactive waste on the premises; or
- (c) discharge to the environment of the bulk of the radioactivity in the waste (directly or following treatment of the waste).

“*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.

“radioactive waste adviser” means an individual, or group of individuals, with the knowledge, training and experience needed to give radioactive waste management and environmental radiation protection advice in relation to radioactive waste, to ensure the effective protection of members of the public and whose competence is recognised by the Environment Agency.

“radioactivity”, expressed in becquerels, means the number of spontaneous nuclear transformations occurring in a period of one second.

“samples” includes samples that have been prepared or treated to enable measurements of radioactivity to be made.

“sealed source” means a radioactive source in which the radioactive material is sealed in a capsule or incorporated in a solid form with the objective of preventing, under normal conditions of use, any dispersion of radioactive substances.

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

“Total”, where used in relation to a group of radionuclides:

- (a) in Schedule 1, Table S1.2, excludes any radionuclide that would fall within the group in question, but which is specifically identified and limited elsewhere in that table;
- (b) for a waste type identified in Schedule 2, Table S2.1, excludes any radionuclide that would fall within the group in question, but which is specifically identified and limited against that waste type;
- (c) for a waste type and disposal outlet or route identified in a table in Schedule 3, excludes any radionuclide that would fall within the group in question, but which is specifically identified and limited against that waste type and disposal outlet or route.

“unsealed source” means a radioactive source not in the form of a sealed source.

“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 radioactivity;
- (b) except in the case of Carbon-14 and Tritium, any single item contains less than 40 kBq of total radioactivity;
- (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.

“week” means a period of seven days.

“weekly limit” means the limit over a week.

“year” means a calendar year commencing on the 1st of January.

Schedule 1 - Operations

Table S1.1: Activities		
Activity listed in Schedule 23 of the Environmental Permitting Regulations	Description of specified Activity	Limit of specified Activity
Schedule 23 Part 2 paragraph 11(4)(a)	Receipt of radioactive waste for the purpose of disposal	Receipt, accumulation and disposal of radioactive waste by incineration
Schedule 23 Part 2 paragraph 11(2)(c)	Accumulation of radioactive waste on the premises	
Schedule 23 Part 2 paragraph 11(2)(b)	Disposal of radioactive waste on or from the premises	

Table S1.2: Radioactive material – unsealed sources	
Radionuclide	Maximum radioactivity
No sources held on site	Not applicable

Table S1.3: Pre-operational measures	
Reference	Pre-operational measures
Not applicable	No measures specified

Table S1.4: Improvement programme requirements		
Reference	Requirement	Date
Not applicable	No measures specified	Not applicable

Schedule 2 – Accumulation of radioactive waste

Table S2.1: Accumulation of radioactive waste				
Specified waste type	Radionuclide or group of radionuclides permitted to be present in the waste	Radioactivity limit	Volume limit	Period limit
Solid and liquid waste	Tritium	21 TBq	420 m ³	180 days
	Carbon-14	2 TBq		
	Iodine-125	5 GBq		
	Iodine-131	5 GBq		
	Phosphorous-32	5 GBq		
	Sulphur-35	5 GBq		
	Cobalt-60	5 GBq		
	Strontium-90	5 GBq		
	Caesium-137	5 GBq		
	Uranium-238sec, Uranium-235sec, Thorium-232sec, Radium-226+, Radium-228+, Lead-210+, Polonium-210 ^[1]	5 GBq		
	Uranium & Thorium (not in secular equilibrium)	4 GBq		
	Americium-241	250 MBq		
	Total beta/gamma-emitting radionuclides ^{[2] [3]}	14 GBq		
	Total alpha-emitting radionuclides ^[2]	250 MBq		
VLLW	Any radionuclides	VLLW	250 m ³	180 days

[1] means the activities of the single radionuclide with the highest concentration in each of the decay chains beginning with radionuclides listed.

[2] 'Total' excludes any radionuclide that would fall within the group in question, but which is specifically identified and limited against that waste type in the table. Numerical limits apply only to the head of chain radionuclides.

[3] 'Beta/gamma' includes electron capture and auger emission radionuclides.

Schedule 3 – Disposals of radioactive waste

Table S3.1: Specified disposals to air

Specified waste type	Disposal outlet ref	Radionuclide or group of radionuclides permitted to be present in the waste	Annual limits	Daily limits
Gaseous waste	Incinerator stark	Tritium	8.5 TBq	170 GBq
		Carbon-14	7.35 TBq	147 GBq
		Iodine-125	20 GBq	400 MBq
		Iodine-131	20 GBq	400 MBq
		Phosphorous-32	2 GBq	40 MBq
		Sulphur-35	2 GBq	40 MBq
		Cobalt-60	1 GBq	20 MBq
		Strontium-90	1 GBq	20 MBq
		Caesium-137	1 GBq	20 MBq
		Uranium-238sec, Uranium-235sec, Thorium-232sec, Radium-226+, Radium-228+, Lead-210+, Polonium-210 ^[1]	175 MBq	3.5 MBq
		Uranium & Thorium (not in secular equilibrium)	125 MBq	2.5 MBq
		Americium-241	50 MBq	1 MBq
		Total beta/gamma-emitting radionuclides ^{[2] [3]}	5 GBq	100 MBq
		Total alpha-emitting radionuclides ^[2]	50 MBq	1 MBq

Table S3.2: Specified disposals to sewer or water

Specified waste type	Disposal outlet ref	Radionuclide or group of radionuclides permitted to be present in the waste	Annual limits	Monthly limits
Aqueous waste	Discharge from the on-site effluent treatment plant NGR SJ 429 761	Tritium	80 TBq	16 TBq
		Carbon-14	500 GBq	100 GBq
		Iodine-125	10 GBq	2 GBq
		Iodine-131	10 GBq	2 GBq
		Phosphorous-32	10 GBq	2 GBq
		Sulphur-35	10 GBq	2 GBq
		Cobalt-60	10 GBq	2 GBq
		Strontium-90	10 GBq	2 GBq
		Caesium-137	20 GBq	4 GBq
		Uranium-238sec, Uranium-235sec, Thorium-232sec, Radium-226+, Radium-228+, Lead-210+, Polonium-210 ^[1]	175 MBq	35 MBq
		Uranium & Thorium (not in secular equilibrium)	125 MBq	25 MBq
		Americium-241	10 MBq	2 MBq
		Total beta/gamma-emitting radionuclides ^{[2] [3]}	5 GBq	1 GBq
		Total alpha-emitting radionuclides ^[2]	10 MBq	2 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 permitted to be present in the waste	Annual limits	Annual volume limits (m³)
VLLW	The holder of 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	No limit specified	Not applicable
LLW	The holder of an environmental permit for the receipt, disposal, and/or transfer (to a radioactive waste permitted person) of LLW.	For treatment or disposal	Any radionuclide	No limit specified	Not applicable

Table S3.4: Specified disposal by on-site incineration				
Specified waste type	Incinerator unit	Radionuclide or group of radionuclides permitted to be present in the waste	Monthly limits	Daily limits
Solid and liquid waste	Incinerator	Tritium	7.2 TBq	500 GBq
		Carbon-14	1.5 TBq	150 GBq
		Iodine-125	4 GBq	400 MBq
		Iodine-131	4 GBq	400 MBq
		Phosphorus-32	4 GBq	400 MBq
		Sulphur-35	4 GBq	400 MBq
		Cobalt-60	4 GBq	400 MBq
		Strontium-90	4 GBq	400 MBq
		Caesium-137	4 GBq	400 MBq
		Uranium-238sec, Uranium-235sec, Thorium-232sec, Radium-226+, Radium-228+, Lead-210+, Polonium-210 ^[1]	4.2 GBq	720 MBq
		Uranium & Thorium (not in secular equilibrium)	3 GBq	100 MBq
		Americium-241	200 MBq	20 MBq
		Total beta/gamma-emitting radionuclides ^{[2] [3]}	10 GBq	1 GBq
		Total alpha-emitting radionuclides ^[2]	200 MBq	20 MBq

[1] means the activities of the single radionuclide with the highest concentration in each of the decay chains beginning with radionuclides listed.

[2] 'Total' excludes any radionuclide that would fall within the group in question, but which is specifically identified and limited against that waste type and disposal outlet or route. Numerical limits apply only to the head of chain radionuclides.

[3] 'Beta/gamma' includes electron capture and auger emission radionuclides.

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	EPR/QB3839DT
Name of operator	Veolia ES (UK) Ltd
Location of Facility	Veolia HTI Plant, Bridges Road, ELLESMERE PORT
Time and date of the detection	
4.3.1(a) The Environment Agency shall be notified without delay following the detection of 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;	
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	
4.3.1(b) The Environment Agency shall be notified without delay following the detection of 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

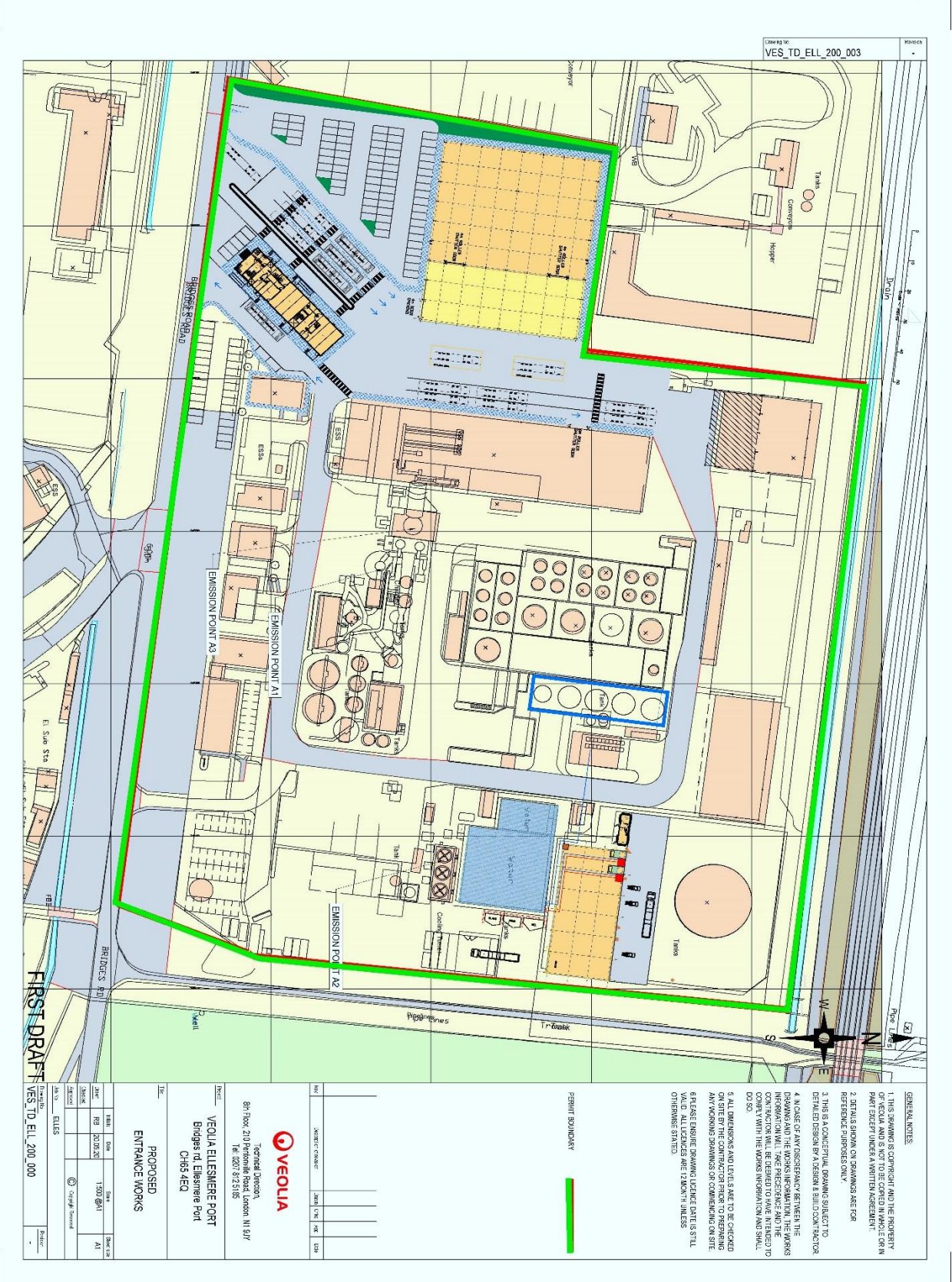
4.3.1(c) The Environment Agency shall be notified without delay following the detection of any significant adverse environmental effect	
To be notified within 24 hours of detection	
Description of where the effect on the environment was detected	
Radionuclides detected	
Radioactivity of radionuclides detected	
Date of monitoring/sampling	
4.3.1(d) The Environment Agency shall be notified without delay following the detection of the escape of radioactive waste	
To be notified within 24 hours of detection	
Date, time and description of the escape	
Measures taken to stop the escape	
Assessment of why the escape was not significant	

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*	
Position	
Signature	
Date	

* authorised to sign on behalf of Veolia ES (UK) Ltd

Schedule 5 - Site plan



END of PERMIT