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Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

SRCL Limited

Ilkeston Healthcare Waste Transfer Station Unit 18 Manners Avenue Manners Avenue Industrial Estate Ilkeston Derbyshire DE7 8EF

Variation application number

EPR/CB3200UL/V005

Permit number

EPR/CB3200UL

Ilkeston Healthcare Waste Transfer Station Permit number EPR/CB3200UL

Introductory note

This introductory note does not form a part of the notice

Under the Environmental Permitting (England & Wales) Regulations 2016 (schedule 5, part 1, paragraph 19) a variation may comprise a consolidated permit reflecting the variations and a notice specifying the variations included in that consolidated permit.

Schedule 1 of the notice specifies the conditions that have been varied and schedule 2 comprises a consolidated permit which reflects the variations being made. All the conditions of the permit have been varied and are subject to the right of appeal.

This Environment Agency has a duty, under the Environmental Permitting (England and Wales) Regulations 2016, regulation 34(1), to periodically review permits. As part of this variation we have reviewed the permit and made the changes to necessary reflect relevant standards and best practice, which principally relate to the implementation of our technical guidance Healthcare waste: appropriate measures for permitted facilities.

The main features of the permit are as follows.

The regulated facility comprises:

- pre-shredding and steam disinfection of infectious waste, storage of treatment residues;
- repackaging of hazardous waste;
- temporary storage of hazardous waste;
- steam generation, container washing and raw material storage;
- · compaction of offensive waste;
- repackaging of non-hazardous waste;
- temporary storage of non-hazardous waste.

The steam disinfection plant consists of a pre-shredder, two hydroclaves, compaction and storage of treated floc, and pollution abatement equipment. Waste is shredded under negative pressure before transfer to the treatment chamber where a combination of heat, moisture and residence time is sufficient to disinfect the waste to produce a waste floc. Steam is supplied to the hydroclaves from the natural gas-fired steam raising plant.

Off-gases from the auger are cooled in a condenser with the resulting water being discharged to foul sewer.

The abatement system comprises a high efficiency particulate air (HEPA) filter, acid scrubbing and carbon filters serving each shredder. Acid scrubbing and a carbon filter serve the hydroclaves. These are designed to remove any infectious bio-aerosols, excess moisture and any residual organic compounds and odours from the off-gases before their release to atmosphere.

The schedules specify the changes made to the permit.

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

Status log of the permit		
Description	Date	Comments
Application received EPR/CB3200UL/A001	Duly made 06/10/2014	Application for standard rules permit SR2008No24.
Permit determined EPR/CB3200UL	17/12/2014	Permit issued to SRCL Limited.
Application EPR/CB3200UL/V002 (variation)	Duly made 10/02/2015	Application to vary the standard rules permit to become a bespoke permit for the purposes of

Status log of the permit		
Description	Date	Comments
		increasing the storage capacity and adding an additional waste type.
Variation determined EPR/CB3200UL	18/02/2015	Varied permit issued.
Variation determined EPR/CB3200UL	18/02/2015	Varied permit issued.
Application EPR/CB3200UL/V003 (variation)	06/08/2015	Application to add two EWC codes to the list of permitted wastes.
Variation determined	25/08/2015	Notice of variation issued.
Application EPR/CB3200UL/V004 (variation and consolidation)	Duly made 05/03/2019	Application to vary and update the permit to modern conditions.
Schedule 5 notice response received	03/04/2019	Response to Schedule 5 notice dated 20/03/2019
Additional information received	16/05/2019	Response to request for further information (RFI) dated 02/05/2019
Additional information received	31/07/2019	Details of waste storage quantities, management of LEP conditions and clarifications on the storage of waste internally/externally.
Variation determined EPR/CB3200UL	06/11/2019	Varied permit issued.
Regulation 61 Notice sent to Operator	XX/XX/2021	Regulation 61 Notice requiring information for statutory review of permit.
Regulation 61 Notice response	XX/XX/2021	Response received from the operator.
Application (variation and consolidation) EPR/CB3200UL/V005	Environment Agency Initiated Variation	Statutory review of permit occasioned by Waste Treatment BAT Conclusions published on 17 August 2018 and Healthcare waste: appropriate measures for permitted facilities published 13 July 2020.
Environment Agency Waste Treatment Sector Review	DD/MM/YY	Varied and consolidated permit issued.
Permit reviewed		
Variation determined EPR/CB3200UL/V005		
(EAWML Billing Ref. EAWML XXXXXX).		

End of introductory note

Notice of variation and consolidation

The Environmental Permitting (England and Wales) Regulations 2016

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2016 varies

Permit number

EPR/CB3200UL

Issued to

SRCL Limited ("the operator")

whose registered office is

Indigo House Sussex Avenue Leeds West Yorkshire LS10 2LF

company registration number 03226910

to operate a regulated facility at

Ilkeston Healthcare Waste Transfer Station Unit 18 Manners Avenue Manners Avenue Industrial Estate Ilkeston Derbyshire DE7 8EF

to the extent set out in the schedules.

The notice shall take effect from [DD/MM/YYYY]

Name	Date
Daniel Timney	[DD/MM/YYYY]

Authorised on behalf of the Environment Agency

Schedule 1

All conditions have been varied by the consolidated permit as a result of the application made by the operator.

Schedule 2 - consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/CB3200UL

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/CB3200UL/V005 authorising,

SRCL Limited ("the operator"),

whose registered office is

Indigo House Sussex Avenue Leeds West Yorkshire LS10 2LF

company registration number 033226910

to operate waste operations at

Ilkeston Healthcare Waste Transfer Station Unit 18 Manners Avenue Manners Avenue Industrial Estate Ilkeston Derbyshire DE7 8EF

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

Name	Date
Daniel Timney	[DD/MM/YYYY]

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 identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents, non-conformances, closure and those drawn to the attention of the operator as a result of complaints; and
 - (b) using sufficient competent persons and resources.
- 1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.
- 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 comply with the requirements of an approved competence scheme [or other approval issued by the Environment Agency]..

1.2 Avoidance, recovery and disposal of wastes produced by the activities

- 1.2.1 The operator shall take appropriate measures to ensure that:
 - (a) the waste hierarchy referred to in Article 4 of the Waste Framework Directive is applied to the generation of waste by the activities; and
 - (b) any waste generated by the activities is treated in accordance with the waste hierarchy referred to in Article 4 of the Waste Framework Directive; and
 - (c) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.
- 1.2.2 The operator shall review and record at least every four years whether changes to those measures should be made and take any further appropriate measures identified by a review.

1.3 Climate change

1.3.1 The operator shall review and if appropriate update, at least every 4 years, the climate change adaptation risk assessment submitted with the permit application, and shall update the written management system as appropriate.

2 Operations

2.1 Permitted activities

2.1.1 The operator is only authorised to carry out the activities specified in Table S1.1 below (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 activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by the Environment Agency.
- 2.3.2 If notified by the Environment Agency that the activities are giving rise to pollution, the operator shall submit to the Environment Agency for approval within the period specified, a revision of any plan or other documentation ("plan") specified in schedule 1, table S1.2 or otherwise required under this permit which identifies and minimises the risks of pollution relevant to that plan, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 2.3.3 Waste shall only be accepted if:
 - (a) it is of a type and quantity listed in schedule 2 table(s) S2.1 [, S2.2 etc]; and
 - (a) it conforms to the description in the documentation supplied by the producer and the holder.

2.4 Improvement programme

- 2.4.1 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.
- 2.4.2 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.

2.5 Pre-operational conditions

- 2.5.1 The activities shall not be brought into operation until [DD/MM/YYYY] [and until] [the measures specified in schedule 1 table S1.4A have been completed].
- 2.5.2 The operations specified in schedule 1 table S1.4B shall not commence until [DD/MM/YYYY] [and until] [the measures specified in that table have been completed].

2.6 Technical requirements

Hazardous waste storage and treatment

2.6.1 Hazardous waste shall not be mixed, either with a different category of hazardous waste or with other waste, substances or materials, unless it is authorised by schedule 1 table S1.1 and appropriate measures are taken.

3 Emissions and monitoring

3.1 Emissions to water, air or land

- 3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3 tables S3.1, S3.2 and S3.3.
- 3.1.2 The limits given in schedule 3 shall not be exceeded.

3.2 Emissions of substances not controlled by emission limits

3.2.1 Emissions of substances not controlled by emission limits (excluding odour) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.

3.2.2 The operator shall:

- (a) if notified by the Environment Agency that the activities are giving rise to pollution, submit to the Environment Agency for approval within the period specified, an emissions management plan which identifies and minimises the risks of pollution from emissions of substances not controlled by emission limits;
- (b) implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 3.2.3 All liquids in containers, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.

3.3 Odour

- 3.3.1 Emissions from the activities shall be free from odour at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved odour management plan, to prevent or where that is not practicable to minimise the odour.
- 3.3.2 The operator shall:
 - (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to odour, submit to the Environment Agency for approval within the period specified, an odour management plan which identifies and minimises the risks of pollution from odour;
 - (b) implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.4 Noise and vibration

3.4.1 Emissions from the activities shall be free from noise and vibration at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved noise and vibration management plan to prevent or where that is not practicable to minimise the noise and vibration.

3.4.2 The operator shall:

- (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to noise and vibration, submit to the Environment Agency for approval within the period specified, a noise and vibration management plan which identifies and minimises the risks of pollution from noise and vibration;
- (b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.5 Monitoring

- 3.5.1 The operator shall, unless otherwise agreed in writing by the Environment Agency, undertake the monitoring specified in the following tables in schedule 3 to this permit:
 - (a) point source emissions specified in tables S3.1, S3.2 and S3.3;
 - (b) surface water or groundwater specified in table S3.4;
 - (c) noise specified in table S3.5;
 - (d) ambient air monitoring specified in table S3.6;
 - (e) process monitoring specified in table \$3.7;
 - (f) land specified in table S3.8

- 3.5.2 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.
- 3.5.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.5.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by the Environment Agency.
- 3.5.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 3 tables S3.1, S3.2 [,S3.3 etc] unless otherwise agreed in writing by the Environment Agency.

3.6 Pests

3.6.1 The activities shall not give rise to the presence of pests which are likely to cause pollution, hazard or annoyance outside the boundary of the site. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved pests management plan, have been taken to prevent or where that is not practicable, to minimise the presence of pests on the site.

3.6.2 The operator shall:

- (a) if notified by the Environment Agency, submit to the Environment Agency for approval within the period specified, a pests management plan which identifies and minimises risks of pollution, hazard or annoyance from pests;
- (b) implement the pests management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.7 Fire prevention

3.7.1 The operator shall take all appropriate measures to prevent fires on site and minimise the risk of pollution from them including, but not limited to, those specified in any approved fire prevention plan.

3.7.2 The operator shall:

- (a) if notified by the Environment Agency that the activities are giving rise to a risk of fire, submit to the Environment Agency for approval within the period specified, a fire prevention plan which prevents fires and minimises the risk of pollution from fires;
- (b) implement the fire prevention plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

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, unless otherwise agreed in writing by the Environment Agency, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:
 - (i) off-site environmental effects; and

- (ii) matters which affect the condition of the land and groundwater.
- 4.1.2 The operator shall keep on site all records, plans and the management system required to be maintained 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 the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.
- 4.2.2 Within one month of the end of each quarter, the operator shall submit to the Environment Agency using the form made available for the purpose, the information specified on the form relating to the site and the waste accepted and removed from it during the previous quarter.
- 4.2.3 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the Environment Agency, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:
 - (a) in respect of the parameters and emission points specified in schedule 4 table S4.1;
 - (b) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.2; and
 - (c) giving the information from such results and assessments as may be required by the forms specified in those tables.

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, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution;
 - (b) the breach of a limit specified in the permit; or
 - (c) any significant adverse environmental effects.
- 4.3.2 Any information provided under condition 4.3.1 shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.
- 4.3.3 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.
- 4.3.4 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:

Where the operator is a registered company:

- (a) any change in the operator's trading name, registered name or registered office address; and
- (b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.

Where the operator is a corporate body other than a registered company:

- (a) any change in the operator's name or address; and
- (b) any steps taken with a view to the dissolution of the operator.

In any other case:

- (a) the death of any of the named operators (where the operator consists of more than one named individual);
- (b) any change in the operator's name(s) or address(es); and
- (c) 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 of them being in a partnership, dissolving the partnership.
- 4.3.5 Where the operator proposes to make a change in the nature or functioning, or an extension of the activities, which may have consequences for the environment and the change is not otherwise the subject of an application for approval under the Regulations or this permit:
 - (a) the Environment Agency shall be notified at least 14 days before making the change; and
 - (b) the notification shall contain a description of the proposed change in operation.

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	Г
Description of activities for waste operations	Limits of activities
Repackaging of [non-hazardous] [and] [hazardous] waste.	No more than 10 tonnes per day of hazardous waste shall be repackaged or treated.
R12 Exchange of waste for submission to any of the operations numbered R1 to R11 D14 Repackaging prior to submission	Repackaging is limited to:
	 taking a waste package (for example a bag, drum or box) out of one cart or bulk container (for example a skip) and placing i into another cart or bulk container (for example, a skip)
to any of the operations numbered D1 to D13	taking a waste package from a cart or bulk container (for example, skip) and placing it onto a pallet or vehicle
	taking a waste package from a pallet and placing it into a cart or bulk container (for example, skip)
	• [transferring, removing or separating waste from its primary packaging into another container]
	[Other than waste received in reusable sharps bins that are emptied and cleaned for re-use,] Waste shall not be transferred, removed or separated from its primary packaging (for example bags, bins, boxes and blister packs).
	Washing and disinfection of reusable sharps bins and repackaging of wastes shall take place within a building on an impermeable surface with sealed drainage.]
	Repackaging shall take place [within a building] on an impermeable surface with sealed drainage.
	Repackaging of waste shall not change either the maximum storage times for waste on site or the amount that can be stored.
	Washing and disinfection of mobile containers shall only take place in designated areas with an impermeable surface and a sealed drainage system.
	No waste types shall be submitted to this activity other than those non-hazardous wastes specified in Schedule 2, Table S2.1.
Storage of [non-hazardous] [and] [hazardous] waste.	From receipt and storage of [non-hazardous] [and] [hazardous] or site to [repackaging of waste on site; or] its transfer off-site].
R13: Storage of waste pending any of the operations numbered R1 to R12	The amount of hazardous waste stored on site at any one time shall not exceed 50 tonnes.
(excluding temporary storage, pending collection, on the site where	The amount of non-hazardous waste stored on site at any one time shall not exceed X tonnes.
it is produced) D15 Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where the waste is produced)	The total amount of waste stored on site at any one time, including both hazardous and non-hazardous waste, shall not exceed 50 tonnes.
	The total amount of waste stored on site within a building at any one time, including both hazardous and non-hazardous waste, shall not exceed 50 tonnes.
	The total amount of waste stored on site in the external storage area at any one time, including both hazardous and non-hazardous waste, shall not exceed 50 tonnes.]
	[All waste shall be stored inside a building.]
	From the date that the improvement programme X has been or must be met, waste shall be stored on impermeable surfacing with sealed drainage.
	From the date that the improvement programme X has been or must be met, waste shall not be stored in vehicles or vehicle trailers, unless they are being received for immediate offloading or

Table S1.1 activities		
Description of activities for waste operations	Limits of activities	
	prepared for imminent transfer (that is, they will be removed from site within 24 hours, or 72 hours if over a weekend).	
	From the date that the improvement programme X has been or must be met, pharmaceutical, chemical, anatomical and palletised waste shall be stored securely within designated areas of the building.	
	[If no waste is treated or repackaged or compacted state – no waste shall be treated or repackaged or compacted.]	
	Infectious clinical waste and non-infectious offensive waste shall be stored for no longer than 7 days if outside, or for no longer than 14 days if stored in a building.	
	Refrigerated anatomical waste shall be stored for no longer than 14 days.	
	Unrefrigerated anatomical waste shall be stored for no longer than 24 hours, or up to 72 hours if over a weekend.	
	Odorous or biodegradable wastes must be stored securely for no longer than 7 days.	
	The following waste types shall be stored on site for no longer than 6 months:	
	 non-infectious medicines [(including cytotoxic and cytostatic medicines)] 	
	• [dental amalgam]	
	other chemicals or other wastes	
	[Aerosol canisters shall be securely stored under cover in well-ventilated containers, and within a caged storage area. Up to 3 cubic metres of aerosol containers shall only be stored for up to 3 months]	
	Notwithstanding the limits given above where a shorter storage time period is given in an agreed management plan then that time period shall take precedence.	
	No waste types shall be submitted to this activity other than those [non-hazardous]/[hazardous] wastes specified in Schedule 2, Table S2.2.	
Storage of non-hazardous waste	From receipt and storage of non-hazardous waste on site to [repackaging of waste on site; or] its transfer off-site.	
R13: Storage of waste pending any of the operations numbered R1 to R12	The amount of non-hazardous waste stored on site at any one time shall not exceed X tonnes.	
(excluding temporary storage, pending collection, on the site where it is produced) D15 Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where the waste is produced)	[The combined storage of hazardous and non-hazardous waste shall not exceed X tonnes at any one time.	
	The combined storage of hazardous and non-hazardous waste within the building shall not exceed X tonnes at any one time.	
	The combined storage of hazardous and non-hazardous waste in the external storage area shall not exceed X tonnes at any one time.]	
	[If no waste is treated or repackaged or compacted state – no waste shall be treated or repackaged or compacted.]	
	[All waste shall be stored inside a building.]	
	From the date that the improvement programme X has been or must be met, waste shall be stored on impermeable surfacing with sealed drainage.	
	From the date that the improvement programme X has been or must be met, waste shall not be stored in vehicles or vehicle trailers, unless they are being received for immediate offloading or	

Table S1.1 activities	
Description of activities for waste operations Limits of activities	
	prepared for imminent transfer (that is, they will be removed from site within 24 hours, or 72 hours if over a weekend).
	From the date that the improvement programme X has been or must be met, pharmaceutical, chemical, anatomical and palletised waste shall be stored securely within designated areas of the building.
	Non-infectious offensive waste shall be stored for no longer than 7 days if outside, or for no longer than 14 days if stored in a building.
	Refrigerated anatomical waste shall be stored for no longer than 14 days.
	Unrefrigerated anatomical waste shall be stored for no longer than 24 hours, or up to 72 hours if over a weekend.
	Odorous or biodegradable wastes must be stored securely for no longer than 7 days.
	The following waste types shall be stored on site for no longer than 6 months:
	non-infectious, non-hazardous medicines
	other non-hazardous chemicals or other non-hazardous wastes
	Notwithstanding the limits given above where a shorter storage time period is given in an agreed management plan then that time period shall take precedence.
	No waste types shall be submitted to this activity other than those wastes specified in Schedule 2, Table S2.2.

Table S1.2 Operating techniques		
Description	Parts	Date Received
Healthcare waste: appropriate measures for permitted facilities	[All parts of the appropriate measures guidance shall apply.]	DD/MM/YY
Version published 13 July 2020	 [All parts of the appropriate measures guidance shall apply other than: those parts to which an improvement programme requirement applies in Table S1.3; those parts listed below which are not applicable; those parts for which an alternative measure has been proposed below. [All parts of the appropriate measures guidance shall apply other than those parts listed below which are not applicable.] [The following parts of the appropriate measures guidance are not applicable: Treatment – no treatment of healthcare waste on site. Emissions monitoring and limits appropriate 	
	measures – Emissions to air – appropriate measure 2 and 3 are not applicable because wastes are not contaminated with chemicals.	

Table S1.2 Operating techniques		
Description	Parts	Date Received
	 Emissions monitoring and limits appropriate measures – no treatment of healthcare waste on site. Process efficiency appropriate measures – Energy efficiency, Raw materials and Water use are not applicable to waste operations.] 	
	[The following measures have been agreed:	
	 General management measures – Accident prevention measures – appropriate measure 5 – any surges or storm water flows are directed to the hospital's foul water drainage system.] 	
Chemical waste: appropriate measures for permitted facilities	All relevant parts.	N/A
Version published 18 November 2020		
Non-hazardous and inert waste: appropriate measures for permitted facilities	All relevant parts.	N/A
Version published 12 July 2021		
Odour Management Plan, MMMMM 2021	Approved Odour management plan reference OMP issue X Ref: XXXXX	XX/XX/2021
Fire Prevention Plan, MMMMM 2021	Approved Fire Prevention Plan issue X Ref: XXXXX	XX/XX/2021
Pest Management Plan, MMMMM 2021	Approved Pest management plan reference OMP issue X Ref: XXXXX	XX/XX/2021
Noise and Vibration Management Plan, MMMMM 2021	Approved Noise and Vibration Management Plan issue X Ref: XXXXX	XX/XX/2021

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IP1 Site surfacing and drainage for external areas	The operator shall submit to the Environment Agency for approval, a written report detailing proposals for providing external areas of the site where waste is stored or handled with impermeable surfacing and a sealed drainage system, in accordance with our guidance Healthcare waste: appropriate measures for permitted facilities.	Issue date + 3 months

Reference	Requirement	Date
	The proposal must include the specification of the proposed infrastructure, an implementation plan, timescales for implementation.	
	The operator shall submit a written report to the Environment Agency for approval which demonstrates that impermeable surfacing and a sealed drainage system is in place for external areas of the site where waste is stored or handled. The report must demonstrate that the measures in place are in compliance with our guidance Healthcare waste: appropriate	Issue date + 12 months
	measures for permitted facilities.	
IP2 Odour management plan	The operator shall submit an odour management plan to the Environment Agency for written agreement. The plan shall take into account the appropriate measures for odour control specified in our guidance Healthcare waste: appropriate measures for permitted facilities and H4 - Odour Management.	Issue date + 3 months
	Once the odour management plan has been agreed with the Environment Agency, the installation must be operated in accordance with this management plan.	
IP3 Waste pre- acceptance or acceptance procedures	The operator shall review and update their waste pre-acceptance and/or waste acceptance procedures to ensure that they meet the requirements of our guidance Healthcare waste: appropriate measures for permitted facilities. Specifically, they must demonstrate that the following appropriate measure(s) of the guidance will be met:	Issue date + 2 months
	(e.g. waste shall be stored in the dedicated quarantine area for no more than 5 days)	
	A copy of the updated procedure(s) shall be submitted to the Environment Agency for approval.	
IP4 Updated emissions inventory and H1 (air and water)	The operator shall submit a written report to the Environment Agency for approval that proposes a monitoring programme to characterise and assess the facility's point source emissions to air and water (including sewer) in accordance with the Emissions monitoring and limits appropriate measures of technical guidance Healthcare waste: appropriate measures for permitted facilities, dated 13 July 2020. The report shall detail the parameters and substances that will be tested for, the monitoring methods and equipment that will be used, and a timetable for undertaking the monitoring. The monitoring programme shall be carried out as approved by the Environment Agency.	Submission of written report proposing monitoring programme Issue date + 2 months. Submission of subsequent written report detailing monitoring and
	A written report shall submitted to the Environment Agency for approval detailing the results and conclusions of the emissions monitoring and assessment undertaken, including a completed H1 Environmental Risk Assessment and proposals for any ongoing monitoring or further assessment.	assessment results Issue date + 6 months.
IP5 Use of [vehicles or] trailers for storage of waste	The operator shall cease the use of [vehicles or] trailers for storage of waste other than where they are being received for immediate offloading or prepared for imminent transfer (that is, they will be removed from site within 24 hours, or 72 hours if over a weekend).	Issue date + 3 months

Table S1.4A Pre-operational measures		
Reference	e Pre-operational measures	
PO1	If any pre-operational measures existing in the permit then they will be transferred across.	

Table S1.4A Pre-operational measures	
Reference	Pre-operational measures

Table S1.4B Pre-operational measures for future development		
Reference Operation Pre-operational measures		Pre-operational measures
PF1	Tank Farm B	The operator shall submit a report demonstrating that all bulk liquid storage tanks, pipelines and secondary containment in Tank Farm B have been leak-tested at least 4 weeks before the start of operations.

Schedule 2 – Waste types

Table S2.1 Raw materials and fuels		
Raw materials and fuel description Specification		
ABC solvent	Less than 0.1% crotinaldehyde.	

Table S2.1 Permitte	d waste types and quantities for repackaging and storage	
Maximum quantity	The total quantity of wastes accepted at the site shall not exceed XX,000 tonnes per year.	
Waste code	Description	
07	WASTES FROM ORGANIC CHEMICAL PROCESSES	
07 05	wastes from the manufacture, formulation, supply and use (MFSU) of pharmaceuticals	
<mark>07 05 13*</mark>	hazardous medicines (Note 1)	
07 05 14	non-hazardous medicines (Note 1)	
09	WASTES FROM THE PHOTOGRAPHIC INDUSTRY	
09 01	wastes from the photographic industry	
09 01 01*	water-based developer and activator solutions	
09 01 02*	water-based offset plate developer solutions	
09 01 03*	solvent based developer solutions	
09 01 04*	fixer solutions	
09 01 05*	bleach and bleach fixer solutions	
09 01 06*	wastes containing silver from on-site treatment of photographic wastes	
09 01 07	photographic film and paper containing silver or silver compounds	
09 01 08	photographic film and paper free of silver or silver compounds	
15	WASTE PACKAGING, ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	
15 01	packaging (including separately collected municipal packaging waste)	
15 01 04	lead foils from dental care	
15 02	absorbents, filter materials, wiping cloths and protective clothing	
15 02 02*	commercial, separately collected fractions of absorbents, wiping cloths and protective clothing contaminated by infectious substances	

Table S2.1 Permitte	d waste types and quantities for repackaging and storage	
Maximum quantity	The total quantity of wastes accepted at the site shall not exceed XX,000 tonnes per year.	
Waste code	Description	
15 02 03	commercial, separately collected fractions of absorbents, wiping cloths and protective clothing not contaminated by infectious substances	
16	WASTES NOT OTHERWISE SPECIFIED IN THE LIST	
16 05	gases in pressure containers and discarded chemicals	
16 05 04*	aerosol canisters from the servicing of washrooms and similar hygiene facilities, containing hazardous substances	
16 05 05	aerosol canisters from the servicing of washrooms and similar hygiene facilities, other than those mentioned in 16 05 04	
18	WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (EXCEPT KITCHEN AND RESTAURANT WASTES NOT ARISING FROM IMMEDIATE HEALTH CARE)	
18 01	wastes from natal care, diagnosis, treatment or prevention of disease in humans	
18 01 01	non-infectious sharps, not contaminated with chemicals or medicines	
18 01 01 and 18 01 09	non-infectious sharps from vaccines delivered in mass vaccination centres, in the community and in care homes	
18 01 02	non-infectious anatomical waste, not chemically preserved	
18 01 02 and 18 01 06*	non-infectious anatomical waste, chemically preserved, hazardous chemicals	
18 01 02 and 18 01 07	non-infectious anatomical waste, chemically preserved, non-hazardous chemicals	
	infectious waste, not contaminated with chemicals or medicines (may contain sharps)	
18 01 03*	infectious anatomical waste, not chemically preserved	
	infectious gypsum wastes (for example, plaster casts and moulds)	
18 01 03* and 18	infectious waste, contaminated with chemicals	
01 06* or 18 01 07	infectious anatomical waste, chemically preserved	
18 01 03* and 18 01 08* or 20 01 31*	infectious waste, contaminated with cytotoxic and cytostatic medicines – (may contain sharps)	
18 01 03* and 18	infectious waste, medicinally contaminated (not cytotoxic or cytostatic) – (may contain sharps)	
01 09	sharps from vaccinations delivered in hospitals or GP surgeries	

Table S2.1 Permitted waste types and quantities for repackaging and storage		
Maximum quantity	The total quantity of wastes accepted at the site shall not exceed XX,000 tonnes per year.	
Waste code	Description	
18 01 04	non-infectious offensive waste – human healthcare	
	non-infectious gypsum wastes (for example, plaster casts and moulds)	
18 01 06*	chemicals consisting of or containing hazardous substances	
18 01 07	chemicals other than those mentioned in 18 01 06	
18 01 08*	cytotoxic and cytostatic medicines	
18 01 09	other waste medicines, excluding cytotoxic and cytostatic medicines – human healthcare	
18 01 10*	amalgam waste from dental care	
18 02	wastes from research, diagnosis, treatment or prevention of disease involving animals	
18 02 01	non-infectious sharps, not contaminated with chemicals or medicines	
	infectious waste, not contaminated with chemicals or medicines (may contain sharps)	
18 02 02*	infectious anatomical waste, not chemically preserved	
	infectious gypsum wastes (for example, plaster casts and moulds)	
18 02 02* and 18	infectious waste, contaminated with chemicals	
02 05* or 18 02 06	infectious anatomical waste, chemically preserved	
18 02 02* and 18 02 07* or 20 01 31*	infectious waste, contaminated with cytotoxic and cytostatic medicines (may contain sharps)	
18 02 02* and 18 02 08	infectious waste, medicinally contaminated (not cytotoxic or cytostatic) (may contain sharps)	
18 02 03	non-infectious anatomical waste, not chemically preserved	
	non-infectious offensive waste	
	non-infectious gypsum wastes (for example, plaster casts and moulds)	
18 02 03 and 18 02 05*	non-infectious anatomical waste, chemically preserved, hazardous chemicals	
18 02 03 and 18 02 06	non-infectious anatomical waste, chemically preserved, non-hazardous chemicals	
18 02 05*	chemicals consisting of or containing dangerous substances	
18 02 06	chemicals other than those mentioned in 18 02 05	

Table S2.1 Permitted waste types and quantities for repackaging and storage		
Maximum quantity	The total quantity of wastes accepted at the site shall not exceed XX,000 tonnes per year.	
Waste code	Description	
18 02 07*	cytotoxic and cytostatic medicines	
18 02 08	other waste medicines, excluding cytotoxic and cytostatic	
20	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	
20 01	separately collected fractions (except 15 01)	
20 01 31*	cytotoxic and cytostatic medicines – municipal, separately collected fractions not from healthcare or research-related sources	
20 01 32	other waste medicines, excluding cytotoxic and cytostatic medicines – municipal, separately collected fractions not from healthcare or research-related sources	
20 01 99	non-infectious offensive waste – municipal, separately collected fractions not from healthcare or research-related sources	
	non-infectious sharps, not contaminated with chemicals or medicines – not from healthcare or research-related sources	
	infectious waste, not contaminated with chemicals or medicines – municipal, separately collected fractions, not from healthcare or research-related sources (may contain sharps)	

Note 1 - these medicines shall be stored and managed in accordance with medicines listed as $18\,01\,08^*$, $18\,01\,09$, $18\,02\,07^*$ and $18\,02\,08$.

Schedule 3 - Emissions and monitoring

There are no emission limits or associated monitoring requirements.

Table S3.1 Point source emissions to sewer, effluent treatment plant or other transfers off-site-emission limits and monitoring requirements

	• •					
Emission point ref. & location	Source	Parameter	Limit (incl. Unit)	Reference period	Monitoring frequency	Monitoring standard or method
S2 on site plan in Schedule 7 emission to foul sewer	Discharge of clean uncontaminated surface water and roof water to foul sewer.	-	-	-	-	-

Note 1: These units relate to the overall monitoring period so the colony-forming units (cfu) benchmark applies to each individual sample of air or water to be taken, with a calculation made to report the results per cubic metre or litre. These are based on a seeding does of 1x10⁶ spores per gram of waste load, and would need to be adjusted if the seed dose were higher or lower. These units relate to the overall monitoring period so the cfu limit applies to each individual sample of water taken, with a calculation made to report the result per litre.

Schedule 4 – Reporting

Parameters, for which reports shall be made, in accordance with conditions of this permit, are listed below.

Table S4.1 Reporting of monitoring data			
Parameter	Emission or monitoring point/reference	Reporting period	First period begins
Emissions to sewer Parameters as required by condition 3.5.1	S1	Annually	1 January

Table S4.2 Reporting forms		
Media/parameter	Reporting format	Date of form
Emissions to Sewer	Emissions to Sewer Reporting Form: version 1 or other form as agreed in writing by the Environment Agency	08/03/2021

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 emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

If any information is considered commercially confidential, it should be separated from non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the EP Regulations.

Part A

Permit Number

Name of operator

Location of Facility	
Time and date of the detection	
	any malfunction, breakdown or failure of equipment or techniques, nce not controlled by an emission limit which has caused, is pollution
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 release into the environment took place	
Substances(s) potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
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		
Emission point reference/ source		
Parameter(s)		
Limit		
Measured value and uncertainty		
Date and time of monitoring		
Measures taken, or intended to be taken, to stop the emission		

	each of a limit
Parameter	Notification period
(c) Notification requirements for the detection of any sign	gnificant adverse environmental effect
To be notified within 24 hours of detection	
Description of where the effect on the environment was detected	
Substances(s) detected	
Concentrations of substances detected	
Date of monitoring/sampling	
Part B – to be submitted as soon as	s practicable
Any more accurate information on the matters for	s practicable
Any more accurate information on the matters for notification under Part A.	s practicable
Part B – to be submitted as soon as 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	s practicable
Any more accurate information on the matters for notification under Part A. Measures taken, or intended to be taken, to prevent	s 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 pollution of the environment	s 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 pollution of the environment which has been or may be caused by the emission The dates of any unauthorised emissions from the	s 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 pollution of the environment which has been or may be caused by the emission The dates of any unauthorised emissions from the facility in the preceding 24 months.	s 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 pollution of the environment which has been or may be caused by the emission The dates of any unauthorised emissions from the	s practicable
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 pollution of the environment which has been or may be caused by the emission The dates of any unauthorised emissions from the facility in the preceding 24 months.	s practicable

^{*} authorised to sign on behalf of the operator

Schedule 6 - Interpretation

"accident" means an accident that may result in pollution.

"application" means the application for this permit, together with any additional information supplied by the operator as part of the application and any response to a notice served under Schedule 5 to the EP Regulations.

"authorised officer" means any person authorised by the Environment Agency under section 108(1) of The Environment Act 1995 to exercise, in accordance with the terms of any such authorisation, any power specified in section 108(4) of that Act.

"building" is a covered structure enclosed on all vertical sides that provides sheltered cover and contains emissions of, for example, noise, particulate matter, odour and litter

"clinical" waste means waste from a healthcare activity (including veterinary healthcare) that:

- a) contains viable micro-organisms or their toxins which are known or reliably believed to cause disease in humans or other living organisms
- b) contains or is contaminated with a medicine that contains a biologically active pharmaceutical agent
- c) is a sharp, or a body fluid or other biological material (including human and animal tissue) containing or contaminated with a hazardous substance

and waste of a similar nature from a non-healthcare activity.

"container" is a receptacle for waste for example bags, bins, boxes, drums, IBCs and blister packs. Wastes may be packaged in more than one receptacle for example a bag in a box.

"cytotoxic and cytostatic medicines" are medicinal products that possess one or more of the hazardous properties acutely toxic, carcinogenic, mutagenic or toxic for reproduction.

"D" means a disposal operation provided for in Annex I to Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on Waste.

"disposal" means any of the operations provided for in Annex I to the Waste Framework Directive.

"emissions of substances not controlled by emission limits" means emissions of substances to air, water or land from the activities, either from the emission points specified in these standard rules or from other localised or diffuse sources, which are not controlled by an emission or background concentration limits.

"emissions to land" includes emissions to groundwater.

"EP Regulations" means The Environmental Permitting (England and Wales) Regulations SI 2016 No.1154 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

"fugitive emission" means an emission to air, water or land from the activities which is not controlled by an emission limit.

"groundwater" means all water, which is below the surface of the ground in the saturation zone and in direct contact with the ground or subsoil.

"hazardous property" has the meaning in Annex III of the Waste Framework Directive.

"hazardous substance" means a substance classified as hazardous as a consequence of fulfilling the criteria laid down in parts 2 to 5 of Annex I to Regulation (EC) No 1272/2008.

"hazardous waste" has the meaning given in the Hazardous Waste (England and Wales) Regulations 2005.

"healthcare waste" means waste produced during human or animal healthcare, or related research activities. It covers both clinical and offensive waste. Wastes produced by healthcare in the community, and similar types of waste produced by non-healthcare activities are included, for example:

· cosmetic body piercing and body art

- non-medicinal procedures in the hair and beauty sector
- substance abuse
- · crime scene clean-up

"impermeable surface" means a surface or pavement constructed and maintained to a standard sufficient to prevent the transmission of liquids beyond the pavement surface

"List of Wastes" means the list of wastes established by Commission Decision 2000/532/EC replacing Decision 94/3/EC establishing a list of wastes pursuant to Article 1(a) of Council Directive 75/442/EEC on waste and Council Decision 94/904/EC establishing a list of hazardous waste pursuant to Article 1(4) of Council Directive 91/689/EEC on hazardous waste.

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

"medicines" are "medicinal products" as defined in Regulation 130 of Part VIII of the Medicines Act 1968. Waste medicines (or pharmaceutical waste) include:

- expired, unused, spilt and contaminated medical products that are no longer required and need to be disposed of appropriately;
- discarded items contaminated with medicines such as bottles or boxes with residues, gloves, masks, connecting tubing, syringe bodies and drug vials.

"offensive waste" is waste that:

- is not clinical waste
- · contains body fluids, secretions or excretions
- falls within waste codes 18 01 04, 18 02 03 or 20 01 99.

"pests" means birds, vermin and insects.

"pollution" includes pollution of the environment, harm to human health and serious detriment to the amenities of the locality, resulting from the permitted activities.

"quarter" means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

"R" means a recovery operation provided for in Annex II to Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on Waste.

"recovery" means any of the operations provided for in Annex II to the Waste Framework Directive.

"sealed container" for the purposes of this permit, means a container which is fully enclosed, weather proof, does not allow any solid or liquid content to escape and is lockable.

"sealed drainage" in relation to an impermeable surface means a drainage system with impermeable components which does not leak and which will ensure that:

- no liquid will run off the surface otherwise than via the system
- except where they may lawfully be discharged to foul sewer, all liquids entering the system are collected in a sealed sump

"sharps" means items that could cause cuts or puncture wounds. They include needles, hypodermic needles, scalpels and other blades, knives, infusion sets, saws, broken glass, and nails.

"waste code" means the six digit code referable to a type of waste in accordance with the List of Wastes and in relation to hazardous waste, includes the asterisk.

"Waste Framework Directive" or "WFD" means Waste Framework Directive 2008/98/EC of the European Parliament and of the Council on waste, as read in accordance with Schedule 1A to the Environmental Permitting (England and Wales) Regulations 2016.

"year" means calendar year ending 31 December.

Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

Unless otherwise stated, any references in this permit to concentrations of substances in emissions into air means:

- in relation to emissions from combustion processes, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 3% dry for liquid and gaseous fuels, 6% dry for solid fuels; and/or
- in relation to emissions from non-combustion sources, the concentration at a temperature of 273K and at a pressure of 101.3 kPa, with no correction for water vapour content.

Schedule 7 - Site plan

Drafting note: on the occasions where no site plan is required, all text should be deleted and replaced with the words "No site plan is required under this schedule."

If this permit includes a standard facility then the following words must be added:

- either at the top of the site plan when the standard facility area and whole site are the same, and the whole site must be edged in green;
- or at the top of a separate plan showing the boundary of the standard facility, edged in green, within the whole site. (The whole site boundary must not also be edged in green on this plan. The whole site boundary must be shown in green on a separate plan.)

This is the plan referred to in the standard rules [number]

If the permit is varied to increase the site boundary then the operator must provide a new site plan to show that boundary.

Drafting note: where emission points have been referenced in Schedule 3, it would be useful to include them on the site plan in this schedule – this is especially important where the description of the emission point in schedule 3 references the site plan in schedule 7.

Drafting note: the following text should be added at the bottom of the plan when the plan has been copied from an Ordnance Survey map. The year needs to match the year of determination. The inclusion of the copy right text is only required when an Ordnance Survey (OS) plan does not have specific copy right approval. Most consultants OS plans have their own copy right licence and this is on the plan, if you have produced a plan from easimap this will have it's own copy right number so again the additional text would not be required. Plans made up from maps other than OS do not require the copy right text.

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Drafting note: The site plan in a bespoke permit can be in any colour providing it is easily identifiable, condition 2.2.1 states that the permitted area is outlined in green if another colour has been used then you will need to change this wording. The site plan should also be to scale and clear enough to enable compliance with the permitted boundary to be checked and so that the site location can be easily identified.

END OF PERMIT