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EXPLANATORY NOTES

INTERPRETATION OF TERMS

For the purposes of this permit, and unless the context requires otherwise, the following definitions shall apply:

“Authorised Person” means a person who is authorised in writing under section 108 of the Environment Act 1995 to carry out duties on behalf of SEPA;

“Climate Change Agreement” has the same meaning as in section 46 of the Finance Act 2000;

“emission” has the same meaning as in the Regulations;

“hazardous substance” means substances or mixtures as defined in Article 3 of Regulation (EC) No 1272/2008 of the European Parliament on classification, labelling and packaging of substances and mixtures.

“incident” means any of the following situations:

- Where an accident occurs which has caused or may have the potential to cause pollution;
- Where any malfunction, breakdown or failure of plant or techniques is detected which has caused or may have the potential to cause pollution;
- Where any substance, vibration, heat or noise specified in any condition of this permit is detected in an emission from a source not authorised by a condition of this permit and in a quantity which may cause pollution;
- Where an emission of any pollutant not authorised to be released under any condition of this permit is detected;
- Where an emission of any substance, vibration, heat or noise is detected that has exceeded, or is likely to exceed, or has caused, or is likely to cause to be exceeded any limit on emissions specified in a condition of this permit.

“Location Plan” means the plan attached to schedule 1 of this permit;

“the Permitted Activities” are defined in schedule 1 of this permit;

“the Permitted Installation” is defined in schedule 1 of this permit and includes references to parts of the permitted installation;

“pollutant” and “pollution” have the same meaning as in the Regulations;

“SEPA” means the Scottish Environment Protection Agency;

“the Site Boundary” is defined in schedule 1 of this permit;

“Site Plan” means the plan attached at schedule 1;

“the Regulations” means The Pollution Prevention and Control (Scotland) Regulations 2012;

“water environment” has the same meaning as in the Water Environment and Water Services (Scotland) Act 2003 that is all surface water, groundwater and wetlands;

and “surface water”, “groundwater” and “wetlands” shall have the same meanings as in the Act.

Any reference to a numbered condition, group of conditions, schedule, table, appendix, figure or paragraph is a reference to the condition, group of conditions, schedule, table, appendix, figure or paragraph bearing that number in this licence;

Except where specified otherwise in this permit:

- “day” means any period of 24 consecutive hours,
- “week” means any period of 7 consecutive days,
- “month” means a calendar month,
- “quarter” means a calendar quarter
- “year” means any period of 12 consecutive months;

and any derived words (e.g. “monthly”, “quarterly”) shall be interpreted accordingly;

Except where specified otherwise in this permit, any reference to an enactment or statutory instrument includes a reference to it as amended (whether before or after the date of this permit) and to any other enactment, which may, after the date of this permit, directly or indirectly replace it, with or without amendment.

1 THE PERMITTED INSTALLATION

1.1 Description of Permitted Installation

1.1.1 The permitted installation to which this permit applies (“the permitted installation”) is:

1.1.1.1 The stationary technical unit specified in paragraph 1.1.4

1.1.1.2 (the stationary technical unit), where the activities specified in paragraph 1.1.3 are carried out (“the activities”), together with the directly associated activities specified in paragraph 1.1.5 (“the directly associated activities”).

1.1.1.3 The site of the permitted installation is delineated in red on the site plan (“the site boundary”).

1.1.2 The general location of the permitted installation is as shown on the location plan.

1.1.3 The activities carried out at the stationary technical unit are:

1.1.3.1 The treatment of leachate. (By physicochemical process).

1.1.4 The stationary technical unit comprises the following units:

1.1.4.1 ISO container which houses the 3 pass reverse osmosis system, associate equipment/instrumentation and associated storage tanks.

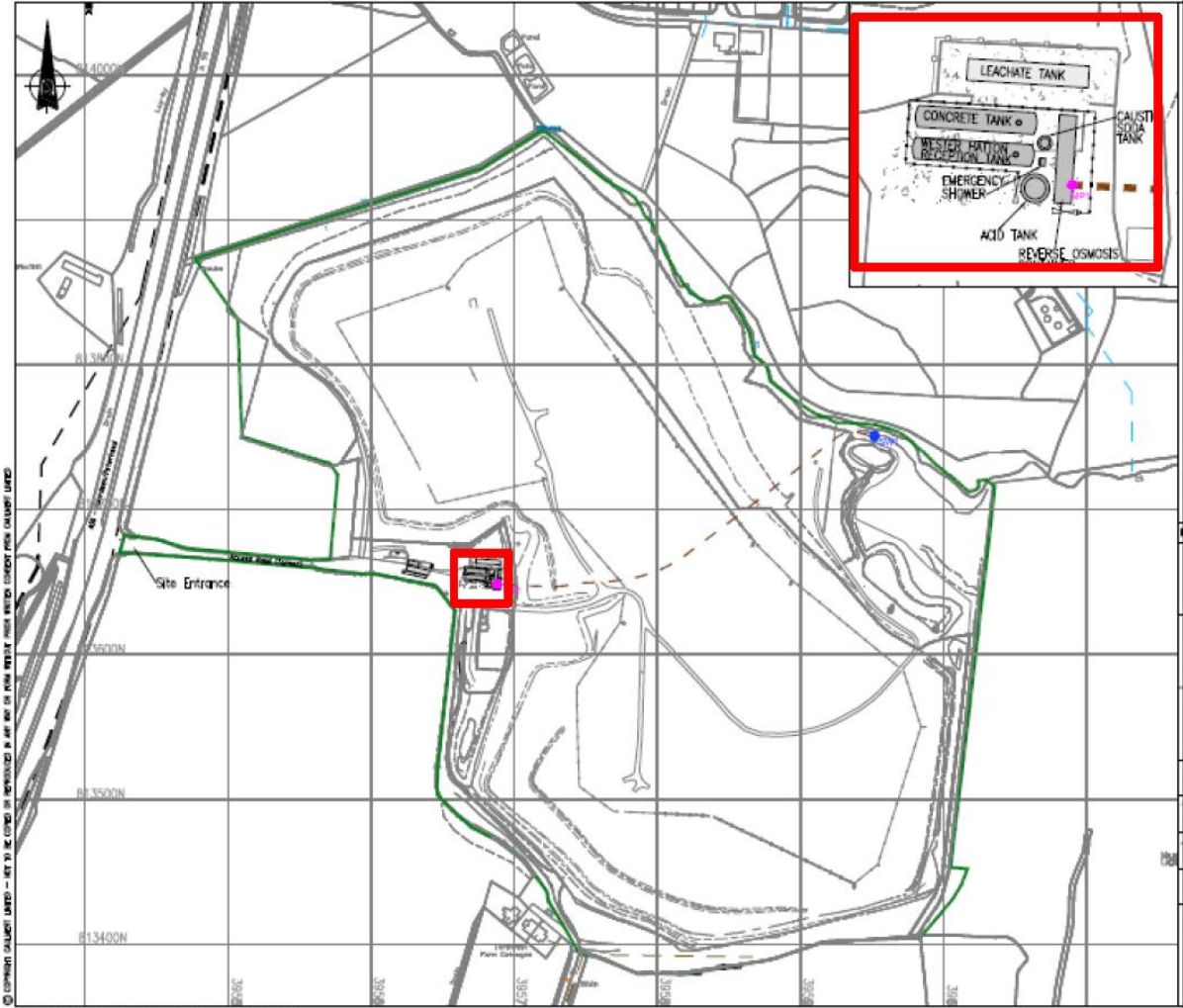
1.1.5 The following directly associated activities are carried out on the site:

1.1.5.1 The storage of leachate

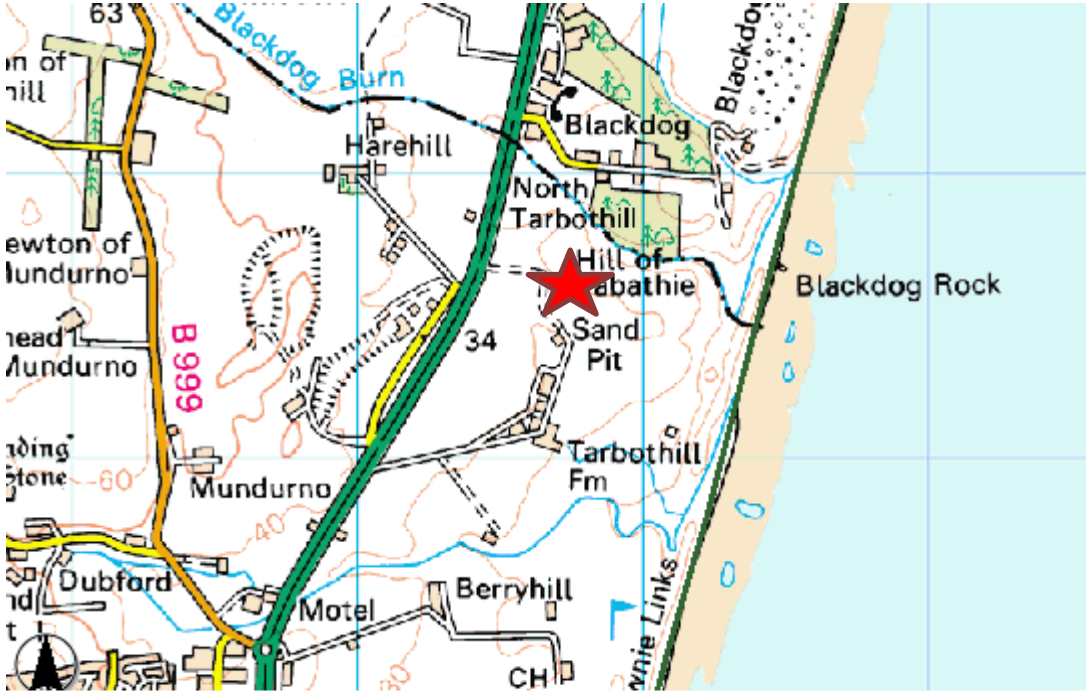
1.1.6 Closed and restored Landfill site is not part of the permitted installation.

1.1.7 For the purposes of this permit, the activities and directly associated activities shall be known together as “the permitted activities”.

1.2 Site Plan



1.3 Location Plan



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2 GENERAL CONDITIONS

2.1 Administration

- 2.1.1 The operator shall have an appropriate person (and deputy) as the primary point of contact with SEPA and shall notify SEPA in writing of the name of the appointed person (and deputy) within 4 weeks of the date of this permit.
- 2.1.2 In the event of a different person being appointed to act as primary point of contact (or deputy) the operator shall notify SEPA in writing of the name of the appointed person or deputy without delay.
- 2.1.3 A copy of this permit shall be kept at the permitted installation and shall be made readily accessible for examination by all staff.
- 2.1.4 Any systems or procedures used by the operator to demonstrate compliance with a condition of this permit shall be recorded.

2.2 Records

- 2.2.1 All records made in compliance with this permit shall be kept in a systematic manner.
- 2.2.2 Unless otherwise specified in a condition of this permit, every record made in compliance with a condition of this permit shall be preserved for not less than 5 years from the date of its being made. Every such record shall be kept at the permitted installation for not less than one year from the date of its being made and thereafter preserved at a location, previously notified to SEPA in writing, if that location is not the permitted installation.
- 2.2.3 All records shall be legible, and any amendment made to any record made in compliance with a condition of this permit shall be made in such a way as to leave the original entry clear and legible. The reason for each amendment shall be explained in the said record.
- 2.2.4 Without prejudice to condition 2.2.2, all operators' records relevant to the operation or maintenance of the permitted installation shall be kept at the permitted installation for not less than one year from the end of the period to which they apply.

2.3 Reporting

- 2.3.1 Where any condition of this permit requires information to be reported, a report shall be forwarded in writing in duplicate to SEPA at the address specified in the explanatory notes attached to this permit, by the date(s) or within the period or at the frequency specified in table 2.1 and, where appropriate, the first report shall be due on the date specified in that table. All such reports shall include the permit number and the name of the operator.

- 2.3.2 Where any condition of this permit requires a report to be submitted, that report shall contain sufficient and accurate information to allow an assessment of the compliance with the condition requiring the report and the report shall be made in accordance with any guidance published by SEPA.
- 2.3.3 Where the permitted installation has not operated for the duration of any reporting period specified in Table 2.1, the operator shall provide written notification to SEPA. This shall confirm that no reports have been made in terms of condition 2.3.1 because the permitted installation has not operated during the said period. Notifications shall be submitted within one month of the end of the reporting period concerned.
- 2.3.4 All notifications required by any condition of this permit shall be made to SEPA in the manner specified in that condition to the address specified in the explanatory notes attached to this permit by the date(s) or within the period or at the frequency specified in Table 2.1 and, where appropriate, the first notification shall be due on the date specified in that table. All such notifications shall include the permit number and name of the operator.

Table 2.1 - Reporting and Notification Requirements

Summary of Information to be Reported or Notified	Condition	Date/Within period/ Frequency to be Reported	Date First Report Due
Change to appropriate person	2.1.2	As required	N/A
Notification of location of records	2.2.2	As required	N/A
Waste Data Reporting	2.4.1	Quarterly	Within 28 days of the last day of March, June, September and December each year
Incident Investigation Report	2.5.6	Within 14 days of the date of the Incident unless otherwise agreed in writing with SEPA	N/A
Incident Prevention and Mitigation Plan	2.5.7	N/A	28 February 2019
Review of Incident Prevention and Mitigation Plan	2.5.8	Within 4 years from date of permit and there after every 4 years	31 August 2022
Resource Utilisation systematic assessment	2.6.2	Within every 4 years and there after every 4 years	31 August 2022
Groundwater monitoring Assessment	2.10.5	Within 12 months from date of permit and there after every 5 years	31 August 2019
Soil monitoring Assessment	2.10.6	Within 12 months from date of permit and there after every 10 years	31 August 2019
Soil and Groundwater	2.10.7	At least 3 months in advance of carrying out	31 May 2019

Monitoring Plan		the ground water and soil monitoring	
Review of Soil and Ground Water Monitoring	2.10.7	No later than 6 months after monitoring event(required by 2.10.5 and 2.10.6)	N/A
Decommissioning Notification	2.12.2	At least 3 month prior to the proposed date of cessation	N/A
Noise systematic assessment and review	3.1.1	Within 3 months of date of permit and there after every 5 years	30 November 2018
Odour Plan	3.2.2	Within 3 months of date of permit	30 November 2018
Odour systematic assessment	3.2.3	Within 2 years from date of permit	31 August 2020

2.4 Waste Data Reporting

2.4.1 The Operator shall compile the information detailed in Appendix 2 and submit it to SEPA, in writing, within 28 days of the last day of March, June, September and December in each year.

2.5 Incidents

2.5.1 In the event of an incident all necessary measures shall immediately be taken :

- a) to prevent , or where that is not practicable to reduce, emissions from the permitted installation;
- b) to limit the environmental consequences as a result of that incident; and
- c) to prevent further possible incidents.

2.5.2 Without prejudice to the requirements of condition 2.5.1, in the event of a breach of any condition of this permit the operator shall immediately take the measures necessary to ensure that compliance is restored in the shortest possible time.

2.5.3 Notwithstanding the requirements of condition 2.5.1 and 2.5.2 where a breach of any condition of this permit or an incident poses an immediate danger to human health, or threatens to cause an immediate significant adverse effect on the environment, the operator shall suspend operation of the permitted installation or relevant part thereof until such time as it can be operated in compliance with this permit.

2.5.4 In the event of an incident and/or a breach of any condition of this permit, the operator shall notify SEPA by telephone without delay to 0800 80 70 60. A notification that relates to an incident shall include as far as practicable the information specified in condition 2.5.5.

2.5.5 The operator shall confirm any incident to SEPA in writing by the next working day after identification of the incident. This confirmation shall

include: the time and duration of the incident, the receiving environmental medium or media where there has been any emission as a result of the incident, an initial estimate of the quantity and composition of any emission, the measures taken to prevent or minimise any emission or further emission and a preliminary assessment of the cause of the incident.

- 2.5.6 Any incident notified to SEPA shall be investigated by the operator, and a report of the investigation sent to SEPA. The report shall detail, as a minimum, the circumstances of the incident, an assessment of any harm to the environment and the steps taken by the operator to bring the incident to an end. The report shall also set out proposals for remediation, where necessary, and for preventing a repetition of the incident.
- 2.5.7 By six months of date of permit the operator shall prepare implement and maintain an "incident prevention and mitigation plan".
- 2.5.8 At least every 4 years, the operator shall review the incident prevention and mitigation plan required under condition 2.5.7. Each review of the said incident prevention and mitigation plan shall be recorded and where the operator makes any revisions to the said plan, said revisions shall be recorded.

2.6 Resource Utilisation

- 2.6.1 At least every four years, the Operator shall carry out a systematic assessment to determine:
- 2.6.1.1 how and where raw materials (including water and fuel) and energy are used within the Permitted Installation;
 - 2.6.1.2 the quantities of raw materials (including water and fuel) and energy used within the Permitted Installation;
 - 2.6.1.3 how and where material losses and wastes are generated within the Permitted Installation;
 - 2.6.1.4 the quantities of material losses and wastes are generated within the Permitted Installation;
 - 2.6.1.5 how and where raw materials (including water) and energy can be utilised more efficiently within the Permitted Installation to reduce resource use and minimise material losses and waste; and
 - 2.6.1.6 which of the resource efficiency measures identified in 2.6.1.5 will be implemented at the Permitted Installation during the 4 year assessment cycle.
- 2.6.2 The assessment required by condition 2.6.1 shall be recorded using the SEPA “systematic assessment of resource use and efficiency template” (IED-T-04), or an equivalent format as agreed by SEPA, and reported to SEPA as specified in Table 2.2.
- 2.6.3 The operator shall implement the resource efficiency measures identified in the systematic assessment within the timescales specified in the systematic assessment.
- 2.6.4 The information required in 2.6.1.2 and 2.6.1.4 shall be recorded annually.
- 2.6.5 For the purposes of condition 2.6.1 “raw materials, “energy” and “fuel” shall, as a minimum, include the materials listed in Table 2.2

Table 2.2 - Resource Utilisation Data Recording

Raw Materials, Energy or Fuel	Unit of Measurement
Water treatment chemicals for use in effluent treatment plant	Litres
Activated carbon filters	Kg
Gas oil	m ³ & KWh
Water	m ³
Selective catalytic reduction reagent	m ³
Electricity	KWh

2.7 Waste Types and Quantities

- 2.7.1 The Permit Holder shall monitor and record volumes of all wastes entering the storage tanks to ensure that they are within the types/quantities permitted under the conditions of this permit. Vehicles shall not be permitted to proceed to the storage area unless the source of waste has been ascertained and where practicable, the load inspected by a suitably trained member of staff and found to comply with the requirements of this permit.
- 2.7.2 Only waste types detailed in column 1 of Table 2.3 shall be accepted at the site.
- 2.7.3 The quantities of waste accepted at the site on any day shall not exceed those detailed in column 2 of table 2.4. The quantities of waste accepted at the site in any year shall not exceed those detailed in column 3 of table 2.4

Table 2.3 – Accepted Wastes

European Waste Catalogue Code	Description including physical form
19	Wastes from waste management facilities, off-site waste water treatment plants and the preparation of water intended for human consumption and water for industrial use

Table 2.4 – Accepted Waste Quantities

Column 1	Column 2	Column 3
Waste Accepted (e.g. non-hazardous waste)	Daily Tonnage	Yearly Tonnage
Landfill leachate from Tarbothill and Wester Hatton Landfills	170	62,000

2.8 Hours of Operation

- 2.8.1 The site shall only receive waste within the following hours -

Monday to Friday	0700 hours - 1900 hours
Saturday	0900 hours - 1600 hours
Sunday	

- 2.8.2 Waste loading and unloading shall only take place within the following hours

Monday to Friday	0700 hours - 1900 hours
Saturday	0900 hours - 1600 hours
Sunday	

2.9 Staffing and Management

- 2.9.1 All staff engaged in carrying on the Permitted Activities shall be provided with adequate professional and technical development and training and written operating instructions to enable them to carry on their duties.
- 2.9.2 The Operator shall ensure that all staff engaged in carrying on the Permitted Activities are fully conversant with those aspects of the Permit Conditions which are relevant to their duties.
- 2.9.3 The Operator shall maintain a record of the skills and training requirements for each job and shall keep records of all relevant training.
- 2.9.4 The Permitted Installation shall be managed and supervised by a designated technically competent person to ensure that the conditions of the Permit are being complied with.
- 2.9.5 The Operator shall inform SEPA in writing of all persons, and their qualifications, engaged in the operation or management of the Permitted
- 2.9.6 Where the Operator or Another Relevant Person is convicted of an offence prescribed under section 74(6) of the Environmental Protection Act 1990 for the purposes of section 74(3)(a) of the Environmental Protection Act 1990 the Operator shall notify SEPA in writing within 7 days of the conviction, whether or not the condition is subsequently appealed.
- 2.9.7 When the permitted installation is open to receive waste the permitted installation shall be staffed by at least one member of staff.
- 2.9.8 When the permitted installation is closed to receive waste, but waste handling/ off-loading are taking place, the permitted installation shall be staffed by at least one member of staff.

2.10 Protection of Soil and Groundwater

- 2.10.1 Unless specified elsewhere in this permit there shall be no emission of any pollutants to groundwater or soil from the permitted installation.
- 2.10.2 The operator shall maintain a record of any incident that has, or might have, impacted on the condition of any soil or groundwater under the permitted installation, either as a result of that incident or as a result of an accumulation of incidents, together with a record of any further investigation or remediation work carried out.
- 2.10.3 Notwithstanding the requirements of condition 2.2.2, the record required by condition 2.10.2 shall be preserved until this permit is surrendered.
- 2.10.4 At least every 4 years, the operator shall carry out a systematic assessment of all measures used to prevent emissions from the permitted installation to soil and groundwater. A written report of each assessment shall be recorded and reported to SEPA. The report shall include details of and timescales for any additional measures that are required to prevent emissions to soil and groundwater.

- 2.10.5 The operator shall monitor the groundwater at the site for relevant hazardous substances the purpose of which shall be to identify groundwater contamination associated with the Technical Stationary Unit. Each assessment shall be recorded and reported to SEPA. The first assessment shall be completed by 12 months of date of permit and thereafter every 5 years. The assessment shall include interpretation of the results with reference to previous monitoring undertaken (including the site and where applicable baseline reports) and operations at the Technical Stationary Unit and details of corrective actions that are required to protect groundwater and remedy any contamination that has occurred a result of permitted activities
- 2.10.6 The operator shall monitor the soil at the site for relevant hazardous substances, the purpose of which shall be to identify soil contamination associated with the activities. Each assessment shall be recorded and reported to SEPA. The first assessment shall be completed by 12 months of date of permit and thereafter every 10 years. The assessment shall include interpretation of the results with reference to previous monitoring undertaken (including the site and where applicable baseline reports) and operations at the technical stationary unit and details of corrective actions that are required to protect soil and remedy any contamination that has occurred as a result of permitted activities
- 2.10.7 The operator shall submit a detailed soil and groundwater monitoring plan, for the monitoring required by conditions 2.10.5 and 2.10.6 to SEPA at least three months in advance of carrying out the monitoring, which shall include the locations at which monitoring shall be carried out and the methodology which shall be used.
- 2.10.8 The operator shall carry out the monitoring required by conditions 2.10.5 and 2.10.6 in accordance with the soil and groundwater monitoring plan required by condition 2.10.7.
- 2.10.9 The operator shall review the plan required by Condition 2.10.7 no later than 6 months after each monitoring event. The purpose of the review shall be to determine whether any changes to monitoring locations, frequency or parameters are required and where changes are proposed, submit a revised plan to SEPA.
- 2.10.10 Notwithstanding the requirements of Condition 2.2 all plans, monitoring and assessments reports undertaken in accordance with Conditions 2.10.4, 2.10.5, 2.10.6, 2.10.7 and 2.10.8 shall be preserved until the permit is surrendered.
- 2.10.11 The operator shall maintain the groundwater monitoring wells detailed in the plan required in Condition 2.10.7 in a condition fit for purpose, unless otherwise agreed in writing with SEPA. Where a well's function is compromised it shall be repaired or replaced to allow sample collection in accordance with Conditions 2.10.5.

2.11 Start Up

- 2.11.1 By one month of date of permit the operator shall prepare, implement and maintain a plan ("the start up plan") setting out the necessary steps to be taken by the operator prior to start up of operations of the permitted

installation to ensure that all appropriate preventative measures are taken against pollution and that no significant pollution is caused.

- 2.11.2 At least every 4 years, the operator shall review the start up plan required under condition 2.11.1. Each review of the said start up plan shall be recorded and where the operator makes any revisions to the said plan, said revisions shall be recorded.

2.12 De-commissioning

- 2.12.1 By six month of date of permit the operator shall prepare and maintain a plan ("the de-commissioning plan") for the decommissioning of the permitted installation. The de-commissioning plan shall set out the steps to be taken by the operator after final cessation of the permitted activities.

- 2.12.2 The operator shall notify SEPA in writing of its intention to cease the permitted activities, or any part thereof, for any period exceeding 12 months, no later than 3 months prior to the proposed date of cessation.

- 2.12.3 The operator shall implement the de-commissioning plan on final cessation of the permitted activities or any part thereof.

- 2.12.4 The operator shall review, record and, where necessary, update the de-commissioning plan as follows:

- 2.12.4.1 At least every 4 years; and

- 2.12.4.2 Where the operator plans to make a substantial change in the extent or nature of the permitted installation.

2.13 Sampling and Monitoring Facilities

- 2.13.1 Sampling measurement and monitoring facilities at the permitted installation shall conform to the requirements of the relevant test methods specified in any condition of the permit or as otherwise agreed in writing by SEPA.

- 2.13.2 Unrestricted access to all sampling points required by any condition of this permit shall be provided at all times.

3 CONDITIONS APPLYING TO THE PERMITTED INSTALLATION AS A WHOLE

3.1 Noise

3.1.1 Within 3 months of date of permit and thereafter every 5 years , the operator shall carry out a systematic assessment and review of noise and vibration emissions associated with the permitted activities, the purpose of which shall be to identify methods of reducing noise and vibration emissions. Each assessment and review shall be recorded and reported to SEPA.

3.2 Odour Conditions

3.2.1 All emissions to air from the Permitted Installation shall be free from offensive odour, as perceived by an Authorised Person, outside the Site Boundary.

3.2.2 The Operator shall implement and maintain the odour management plan ("the Odour Management Plan") to be provided within 3 months of issue of the permit.

3.2.3 At least every 2 years, the Operator shall carry out a systematic assessment and review of Odour Emissions associated with the Permitted Activities, the purpose of which shall be to identify methods of reducing odour Emissions and their impact. Each assessment shall be recorded and reported to SEPA.

3.2.4 The Odour Management Plan shall be updated following each systematic assessment and review as required by condition 3.2.3, the purpose of which shall be to implement the findings of the assessment in a systematic manner.

3.2.5 The Operator shall notify SEPA in writing on any proposed changes to the Odour Management Plan at least 14 days prior to the change being made.

3.2.6 The Odour Management Plan and all actions taken in accordance with the Odour Management Plan shall be recorded.

3.3 Groundwater and Soil Protection

3.3.1 The operator shall maintain plan(s) that identify the configuration and specification of all drains and subsurface pipe-work and the position and purpose of all sub-surface sumps and storage vessels that are used or have been used within the permitted installation from the date of this permit until the permit is surrendered.

4 CONDITIONS APPLYING TO THE WATER ENVIRONMENT

4.1 Water Environment and Discharge Conditions

4.1.1 Environmental Harm

4.1.1.1 Other than as specifically permitted or limited by any condition of this Permit, the Permitted Activities shall not have a significant adverse impact on, or cause pollution of, the water environment.

4.1.2 Nature of Emissions

4.1.2.1 The emissions to the water environment specified in Table 4.1 shall only be permitted from the emission points specified in that Table to the destinations specified in said Table and only after having passed through the sample points specified in that Table.

Table 4.1

Emission Point	Source of Emission	Destination	Emission Design and Location (NJ 95953 13755)	Sampling Location (NGR)
1	Leachate Permeate from Reverse Osmosis Plant	Blackdog Burn	150mm internal diameter PVC pipe	NJ 95953 13755

4.1.3 Sample Points

4.1.3.1 All sample points shall be constructed, maintained and appropriately identified as sample points so that representative samples of the Emissions may be safely obtained. All constituents of the emission shall pass through the relevant sample point.

4.1.4 Flow Monitoring

4.1.4.1 Flow measurement structure shall be provided as detailed in the Management Plan by one month of date of permit and maintained to enable determination of the maximum flow rates and daily volumes of the discharges listed in Table 4.1.

4.1.5 Descriptive Conditions

4.1.5.1 Any Emission from the Permitted Installation to the Water Environment shall not cause:

- a) a significant visible impact on the surface of the receiving waters due to the presence of oil or grease;
- b) the significant deposition of solids on the banks and bed of the receiving waters;
- c) significant discolouration of the receiving waters;
- d) significant increased foaming in the receiving waters; or
- e) significant growth of Sewage Fungus in the receiving waters.

4.1.5.2 Any event involving one or more of the circumstances described in Condition 4.1.5.1 above shall be regarded as an “incident” and dealt with in accordance with the requirements of the Conditions in section 2.5.

4.1.6 Discharge Quality Standards

4.1.6.1 Subject to Condition 4.1.6.2 below, no sample of discharge shall exceed the lower limits set out in Table 4.2 and Table 4.3

Table 4.2

Emission Point 1	Max Flow Rate (l/sec)	Maximum Daily Volume (m3)
	4.2	70

Table 4.3

Emission Point 1	Lower Limit	Upper Limit
BOD^(a)(mg/l)	10mg/l	20mg/l
Ammoniacal nitrogen^(b)(mg/l)	7mg/l	8mg/l
Suspended Solids (mg/l)	N/A	100mg/l
Chloride(mg/l)	35mg/l	45mg/l
Iron (mg/l)	0.2mg/l	0.3mg/l
Copper (mg/l)	15mg/l	25mg/l
Manganese (mg/l)	0.02mg/l	0.024mg/l
Chromium(mg/l)	0.005mg/l	0.006mg/l
Lead (mg/l)	N/A	0.0025mg/l
Cadmium (mg/l)	N/A	0.00045 mg/l

Notes to Table 4.3

(a) determined in the presence of excess allyl-thiourea after 5 days at 20°C

(b) expressed as Nitrogen

4.1.6.2 The limit for any of the parameters set out in Table 4.3 may be exceeded where, in any series of leachate permeate samples taken at regular but randomised intervals over a year (as listed in Column 1 of the table at Appendix 1 to this Permit), no more than the number of samples (as listed in Column 2 of the said table) exceed the applicable limit for that parameter.

4.1.6.3 Notwithstanding Condition 4.1.6.1 above, no sample of discharge shall exceed the upper limits set out in Table 4.3.

4.1.7 Monitoring

4.1.7.1 Measurement and/or sampling of the Emissions in Table 4.4 shall be carried out by the Operator at the sampling locations and subject to the requirements for monitoring specified in that Table.

Table 4.4- Emissions to Water Environment Monitoring Requirements

Parameter	Emission Points	Test Method	Reporting Format	Sampling/ Measurement Facility	Instantaneous
					Frequency
Max Flow Rate (l/sec)	RO Plant	See note (a)	l/sec	Continuous monitoring	N/A
Maximum Daily Volume (m ³)	RO Plant	See note (a)	m ³	Continuous monitoring	N/A
BOD(mg/l)	1	See note (a)	See note (b)	Spot sample	Monthly
Ammoniacal Nitrogen(as N) (mg/l)	1	See note (a)	See note (c)	Spot sample	Monthly
Chloride(mg/l)	1	See note (a)	(mg/l)	Spot sample	Monthly
Suspended Solids(mg/l)	1	See note (a)	(mg/l)	Spot sample	Monthly
Iron(mg/l)	1	See note (a)	(mg/l)	Spot sample	Monthly
Copper (mg/l)	1	See note (a)	(mg/l)	Spot sample	Monthly
Manganese	1	See note (a)	(mg/l)	Spot sample	Monthly
Chromium(mg/l)	1	See note (a)	(mg/l)	Spot sample	Monthly
Lead(mg/l)	1	See note (a)	(mg/l)	Spot sample	Monthly
Cadmium(mg/l)	1	See note (a)	(mg/l)	Spot sample	Monthly

Notes to table 4.4

- (a) As agreed in writing with SEPA
(b) In mg/l in the presence of excess allyl-thiourea after 5 days at 20° C
(c) In mg/l expressed as Nitrogen

4.1.7.2 The date, time and results of all samples and measurements carried out in compliance with Condition 4.1.7 shall be recorded by the Operator and reported in accordance with Condition 2.13

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5 APPENDICES

5.1 APPENDIX 1 – TABLE OF PERMITTED EXCEEDENCES

Two Tier Consent Table

Series of samples taken in any period of 12 consecutive months	Maximum permitted number of samples which fail to conform	Series of samples taken in any period of 12 consecutive months	Maximum permitted number of samples which fail to conform
1 - 7	1	172 - 187	14
8 - 16	2	188 - 203	15
17 - 28	3	204 - 219	16
29 - 40	4	220 - 235	17
41 - 53	5	236 - 251	18
54 - 67	6	252 - 268	19
68 - 81	7	269 - 284	20
82 - 95	8	285 - 300	21
96 - 110	9	301 - 317	22
111- 125	10	318 -334	23
126 - 140	11	335 - 350	24
141 - 155	12	351 - 365	25
156 - 171	13		

5.2 APPENDIX 2 – WASTE DATA INFORMATION TO BE SUBMITTED TO SEPA

The information which must be submitted to SEPA in accordance with Condition 2.4.1 is:

Operator and Site Details

The Reporting Quarter (i.e. Jan-Mar, Apr-Jun, Jul-Sep, Oct-Dec) and year that the submission refers to

Site Licence number

Name of the Licence Holder

Name and address of the Site

Details of the person who SEPA can contact about the submission including:

Name,

Job Title,

Telephone number

e-mail address (if applicable)

Confirmation of whether or not there is a weighbridge on the Site

if there is a weighbridge on Site detail of the percentage of waste weighed during the reporting quarter

An explanation of how tonnages were calculated for any waste that was not weighed including details of any assumptions made and volume to weight conversion factors used.

With reference to Waste Accepted at the Site

Details of all waste accepted at the Site during the Reporting Quarter including for each type of waste:

The 6 digit European Waste Catalogue (EWC) Code

A brief description of the type of waste (e.g. Tyres, asphalt, rock, soil etc)

It's physical form (i.e. Gas (G), Liquid (L), Sludge (P) or Solid (S))

The quantity of the waste (i.e. Gallons, Kilograms, Litres or Tonnes)

The geographical origin of the Waste (using the Local Authority Code)

The management method (i.e. Incinerated (IN), Landfilled On-site (LF), Sent Offsite (SO) or Treated on Site (TR))

Whether the waste was pretreated before being accepted on site, (i.e. yes or no) (landfills only)

With Reference to Waste Treated on the Site

Details of waste treated on the Site during the Reporting Quarter including for each type of waste:

The 6 digit European Waste Catalogue (EWC) Code

A brief description of the type of waste (e.g. Tyres, asphalt, rock, soil etc)

It's physical form (i.e. Gas (G), Liquid (L), Sludge (P) or Solid (S))

The quantity, in Gallons, Kilograms, Litres or Tonnes

The management method (i.e. Biological Treatment on site (BT), Chemical Treatment on Site (CT), Composted on site (CP), Crushed / Screened on site (CS), Other Treatment on site (OT), Physical Treatment on site (PT), Recycled on site (RC))

With reference to Waste Sent off Site for Treatment, Transfer or Disposal

Details of any waste sent off Site for treatment, transfer or disposal during the Reporting Quarter including for each type of waste:

The 6 digit European Waste Catalogue (EWC) Code

A brief description of the type of waste (e.g. Tyres, asphalt, rock, soil etc)
It's physical form (i.e. Gas (G), Liquid (L), Sludge (P) or Solid (S))
The quantity, in Gallons, Kilograms, Litres or Tonnes
The geographical origin of the Waste (using the Local Authority Code)
Management Method (i.e. Biological Treatment off site (BT), Chemical Treatment off Site (CT), Composted off site (CP), Crushed / Screened off site (CS), Other Treatment off site (OT), Physical Treatment off site (PT), Recycled off site (RC), Incinerated off site (IN), Landfilled off site (LF), Transferred off site (TF))
Site Name and/or Licence/Permit Number of Facility where the waste was sent.

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EXPLANATORY NOTES

(These Explanatory Notes do not form part of the Permit)

1. BAT

It should be noted that Regulation 22 of the Regulations specifies that it is a condition of a permit that the operator must use the best available techniques (BAT) for preventing or, where that is not practicable, reducing emissions from the installation. This is referred to as the 'general' BAT condition.

This does not apply to the extent that any other condition of the permit, or a standard rule which has effect as a standard rules condition, has the same effect.

Examples of aspects of the operation that have not been regulated by specific conditions are management and supervision systems, training and qualification and maintenance in general.

BAT is defined in Regulation 4 of the Regulations as follows:

"Best available techniques" means the most effective and advanced stage in the development of activities and their methods of operation which indicates the practical suitability of particular techniques for providing the basis for emission limit values and other permit conditions designed to prevent and, where that is not practicable, to reduce emissions and the impact on the environment as a whole.

"available techniques" means those techniques which have been developed on a scale which allows implementation in the relevant industrial sector, under economically and technically viable conditions, taking into consideration the cost and advantages, whether or not the techniques are used or produced inside the UK, as long as they are reasonably accessible to the operator.

"best" means in relation to techniques, the most effective in achieving a high general level of protection of the environment as a whole.

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

"BAT conclusions" means a document containing the parts of a BAT reference document laying down the conclusions on best available techniques, their description, information to assess their applicability, the emission levels associated with the best available techniques, associated monitoring, associated consumption levels and, where appropriate, relevant site remediation measures.

"emerging technique" means a novel technique for an industrial activity that, if commercially developed, could, when compared to existing best available techniques provide a higher level of protection of the environment, or at least the same level of protection of the environment and higher cost savings.

"emission levels associated with best available techniques" means the range of emission levels obtained under normal operating conditions using a best available technique, or combination of best available techniques, as described in BAT conclusions, expressed as an average over a given period of time, under specified reference conditions.

Schedule 3 of the Regulations specifies the matters to be taken into account in determining BAT.

In considering BAT, SEPA would expect the operator to have regard to all relevant PPC sectoral or other technical guidance, including BAT Reference Documents published by the European Commission and UK technical guidance published by the Environment Agency.

2. GENERAL STATUTORY REQUIREMENTS

The permit does not detract from any other statutory requirements applicable to you in respect of the permitted installation, such as any need to obtain planning permission or building regulations approval or any responsibilities under legislation for health, safety and welfare in the workplace.

3. APPEALS

If you are aggrieved by any of the conditions of the permit, you should initially contact the local SEPA office at the address or telephone number below. Further information on your right of appeal and the appeals procedure is contained regulation 58 and Schedule 8 of the Regulations.

4. SUBSISTENCE CHARGES

An annual subsistence charge will be payable in respect of the permit in terms of the Pollution Prevention and Control (Scotland) Charging Scheme or any relevant charging scheme made under Section 41 of the Environment Act 1995, copies of which are available from SEPA.

5. ADDRESS AND TELEPHONE NUMBERS

The contact address and telephone number for all information to be reported in terms of the permit, is as follows:

Scottish Environment Protection Agency Aberdeen Office
Inverdee House
Baxter St

Torry
Aberdeen
AB11 9QA

Tel No: 0800 80 70 60 and/or 01224 266600
Fax No: 01224 896657

6. REVIEW OF CONDITIONS

The conditions of the permit will be periodically reviewed by SEPA.

7. PROPOSED CHANGE IN OPERATION OF INSTALLATION

It is a requirement of Regulation 45 of the Regulations that if you propose to make a change in the operation of the installation, you must notify SEPA at least 14 days before making the change. The requirement under Regulation 45 does not

apply if you have already made an application to SEPA for the variation of the conditions of the permit containing a description of the proposed change.

N.B. the requirements of Regulation 45 are in addition to any obligations you may have under the permit itself to only operate the permitted installation in the manner set out in the permit and to notify SEPA of proposed changes to the permitted installation.

Regulation 46 and Schedule 7 of the Regulations provide details on applications for variation of the permit in respect of proposed changes and substantial changes in operation.

“Change in operation” and “substantial change in operation” are defined in Regulation 2 of the Regulations.

8. ENFORCEMENT & OFFENCES

If SEPA is of the opinion that you have contravened, or are contravening or are likely to contravene a condition of the permit, or an incident or accident significantly affecting the environment has occurred as a result of the operation of the installation it may serve an enforcement notice. Further details on enforcement notices are provided in Regulation 55 of the Regulations.

If SEPA is of the opinion that the operation of an installation poses an immediate danger to human health, threatens to create an immediate significant adverse effect upon the environment or involves a risk of serious pollution it must, in certain circumstances, serve a suspension notice on you. Further details on suspension notices are provided in Regulation 56 of the Regulations.

It is an offence to operate an installation covered by the Regulations without a Permit or in breach of the conditions of the permit. It is an offence to fail to comply with the requirements of an enforcement or suspension notice. It is an offence to intentionally make a false entry in any record required to be kept under a condition of a permit. Further details on offences and on penalties liable to be imposed upon conviction of an offence are provided in Regulation 67 of the Regulations.

Directors, managers and other individuals within a company may be held personally liable for offences under the Regulations.

All personnel who are responsible for fulfilling any condition of the permit should be made aware of these facts.

9. BREACH OF A PERMIT CONDITION

Regulation 52 of the Regulations specifies that the operator of an installation must immediately give notice to SEPA of any breach of a condition of the permit. It is an offence to fail, without reasonable excuse to comply with Regulation 52.

Any statement made by an operator to SEPA for the purposes of complying with regulation 52 may only be used in a prosecution for an offence where in giving evidence the operator makes a statement inconsistent with the initial notification.

All personnel who are responsible for fulfilling any condition of the permit should be made aware of these facts.

**10. RECORDED SYSTEMS, PROCEDURES OR INFORMATION RECORDING/
RETURN REQUIREMENTS**

Where a condition requires any system, procedure or information record/return, the operator may demonstrate compliance by making use of any relevant existing written system used for any other purpose and which meets the requirements of the relevant condition.

11. SYSTEMATIC ASSESSMENT (AND REVIEW)

Where a condition of the permit requires a “systematic assessment (and review)” the assessment should be undertaken in a methodical and arranged manner. If you require guidance on the scope or extent of any assessment (and review) required to be undertaken, you should contact your local SEPA office at the address or telephone number given above.

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