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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;
- A breach of any condition of this permit;
- 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") as Foresterhill Health Campus is:

1.1.2 The stationary technical unit specified in paragraph 1.1.4 and Appendix 1 (''the stationary technical unit''), where the activities specified in paragraph 1.1.3 are carried out ("the activities").

1.1.2.1 The site of the permitted installation is delineated in red on the site plan ("the site boundary").

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

1.1.4 The activity carried out at the stationary technical unit is:

1.1.4.1 The burning of fuel in a combustion appliance with a rated thermal input of 50 megawatts or more, which is further described in Schedule 1, Chapter 1, Section 1.1 Part A of the Pollution Prevention & Control (Scotland) Regulations 2012 as; where two or more appliances with an aggregate rated thermal input of 50 megawatts or more are operated on the same site by the same operator representing a single combustion appliance.

1.1.5 The stationary technical unit comprises the units as detailed in Appendix 1 (and located as shown on the site plan).

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

1.1.6.1 The biomass storage, handling and feed system, comprising two delivery bays and a conveyor fed system feeding the biomass boiler;

1.1.6.2 Bulk diesel storage system, comprising two 87,750 litre bunded diesel storage tanks associated with the Energy Centre, a single bunded diesel store serving the East End boiler house, and a further 16 smaller

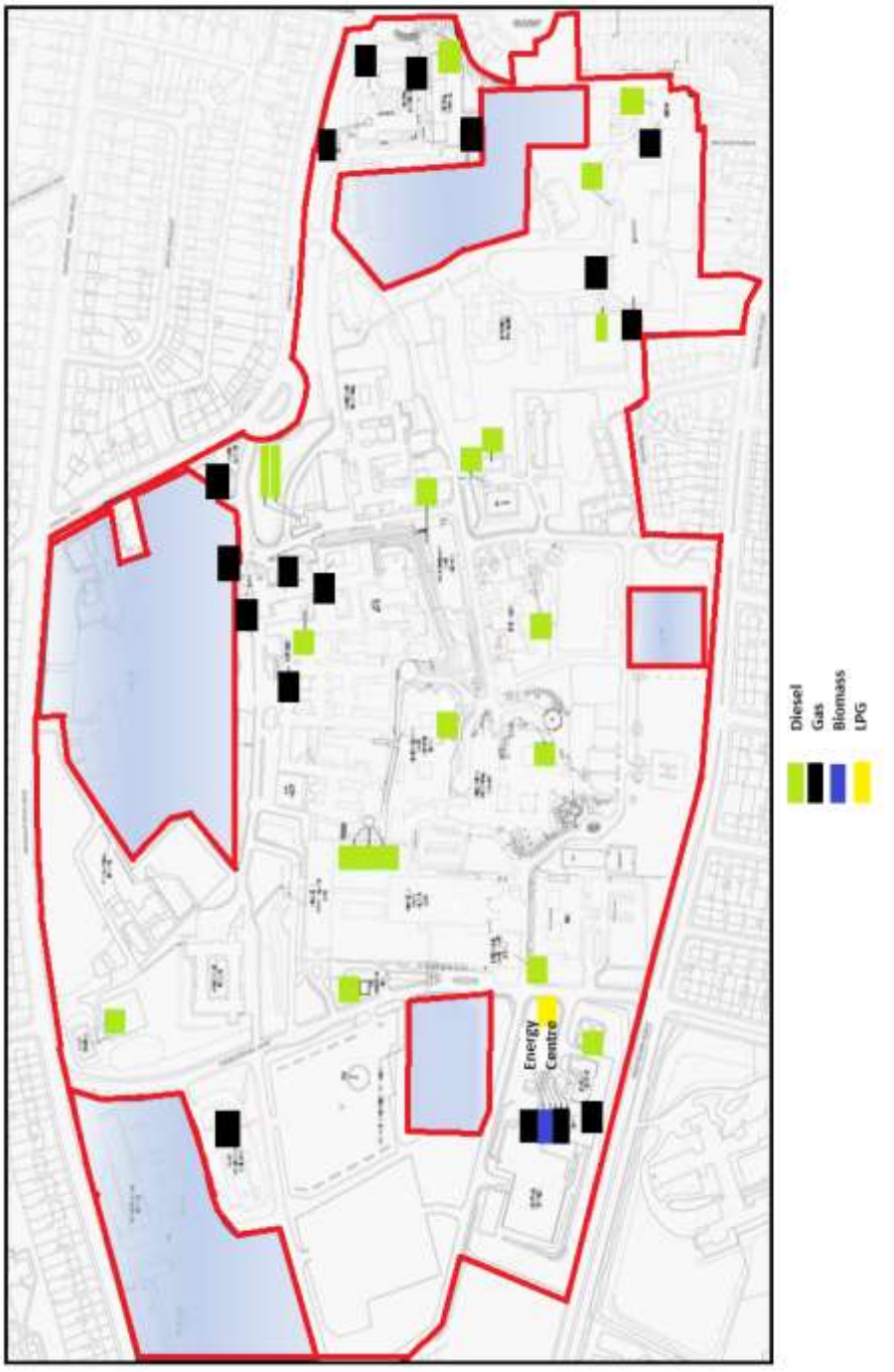
externally and internally housed diesel stores associated with the emergency standby generators;

1.1.6.3 Biomass boiler emissions filtration system, comprising a multi-cyclonic abatement system and electrostatic precipitator;

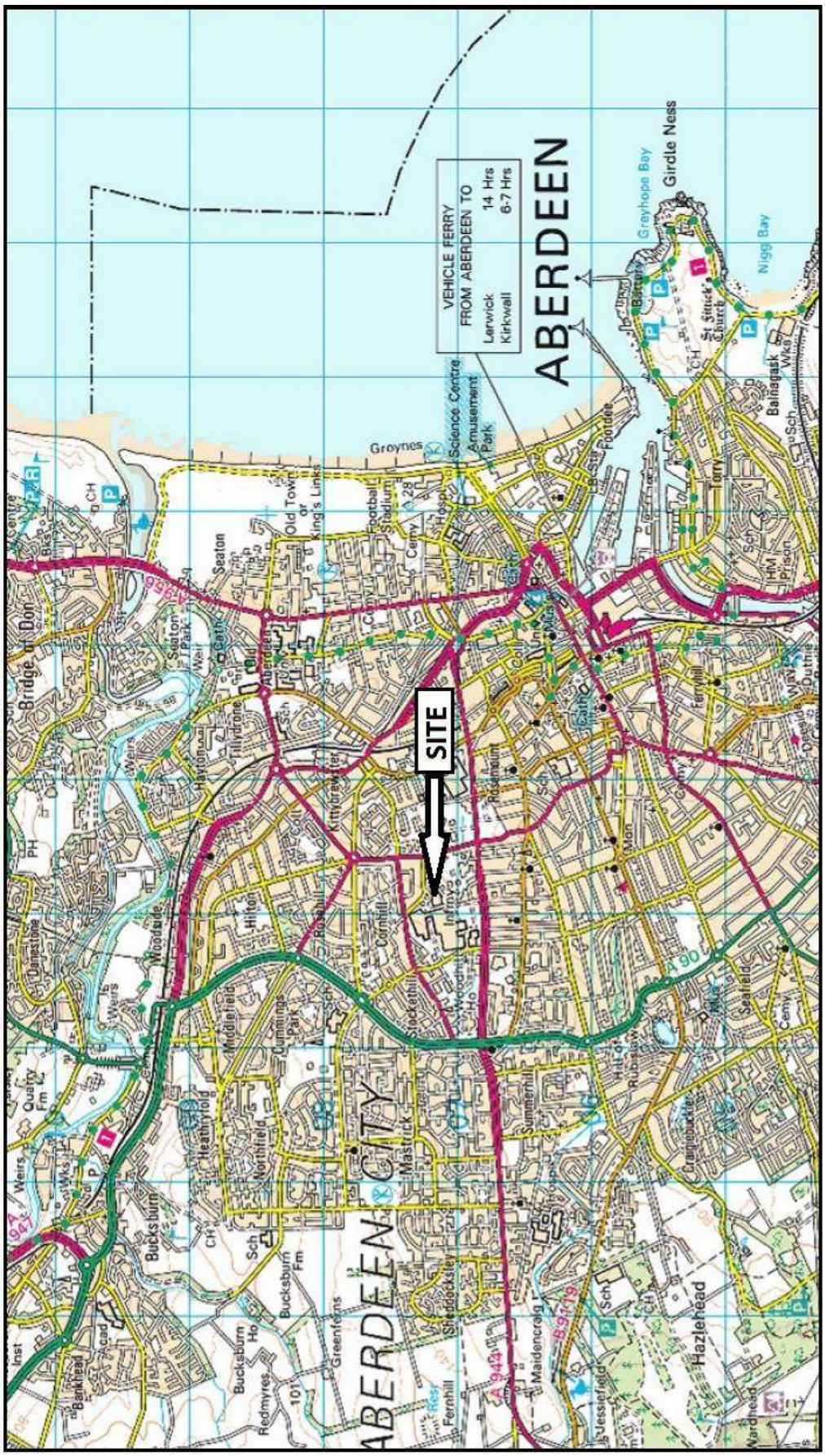
1.1.6.4 Ash collection, handling and storage system, comprising a sealed and alarmed ash collection unit;

1.1.6.5 Chemical storage, associated with the Permitted Activities and kept in purpose built and bunded chemical stores.

1.2 Site Plan



1.3 Location Plan



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 operator's 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 (including electronic mail) 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 2.3 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 2.3, 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 2.3 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.

2.4 Incidents

2.4.1 In the event of an incident the operator shall immediately take all necessary measures to prevent, or where that is not practicable to reduce, emissions from the permitted installation and to limit the environmental consequences as a result of that incident. All necessary measures shall be taken immediately to limit the consequences for the environment of any emissions from the permitted installation and to prevent further possible incidents.

2.4.2 Without prejudice to the requirements of condition 2.4.1, 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.

2.4.3 Notwithstanding the requirements of condition 2.4.1 and 2.4.2 where a breach of any condition of this permit poses an immediate danger to human health, or threatens to cause an immediate significant adverse effect on the environment, the operator shall immediately suspend operation of the permitted installation or relevant part thereof until such time as it can be operated in compliance with this permit.

2.4.4 In the event of an incident, the operator shall notify SEPA by telephone without delay. This notification shall include as far as practicable the information specified in condition 2.4.5.

2.4.5 The operator shall confirm any incident to SEPA in writing by first class post or fax/email 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.

2.4.6 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.

2.4.7 Within six months of the date of this permit, the operator shall prepare, implement and maintain an "incident prevention and mitigation plan".

2.4.8 At least every four years, the operator shall review the incident prevention and mitigation plan required under condition 2.4.7. 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.

2.5 Resource Utilisation

2.5.1 At least every four years, the Operator shall carry out a systematic assessment to determine:

2.5.1.1 how and where raw materials (including water and fuel) and energy are used within the Permitted Installation;

2.5.1.2 the quantities of raw materials (including water and fuel) and energy used within the Permitted Installation;

2.5.1.3 how and where material losses and wastes are generated within the Permitted Installation;

2.5.1.4 the quantities of material losses and wastes are generated within the Permitted Installation;

2.5.1.5 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

2.5.1.6 which of the resource efficiency measures identified in 2.5.1.5 will be implemented at the Permitted Installation during the four-year assessment cycle.

2.5.2 The assessment required by condition 2.5.1 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 2.4.

2.5.3 The operator shall implement the resource efficiency measures identified in the systematic assessment within the timescales specified in the systematic assessment.

2.5.4 The information required in 2.5.1.2 and 2.5.1.4 shall be recorded annually.

For the purposes of condition 2.5.1 "raw materials, "energy" and "fuel" shall, as a minimum, include the materials listed in Table 2.5.

2.6 Waste Management

2.6.1 At least every four years, the operator shall carry out a systematic assessment and review of the management of all wastes generated by the permitted activities. The purpose of the assessment shall be to identify methods of preventing waste generation, and where waste is produced it is, in order of priority, prepared for re-use, recycled, recovered or, where that is technically and economically impossible, disposed of while avoiding or reducing any impact on the environment. Each assessment shall be recorded and reported to SEPA.

2.6.2 The operator shall maintain a record of the location, estimated quantities and types of all wastes generated by the permitted activities and stored within the permitted installation. The said record shall be updated monthly.

2.7 Protection of Soil and Groundwater

2.7.1 Unless specified elsewhere in this permit there shall be no emission of any pollutants to groundwater or soil from the permitted installation.

2.7.2 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.

2.7.3 Notwithstanding the requirements of condition 2.2.2, the record required by condition 2.7.2 shall be preserved until this permit is surrendered.

2.7.4 At least every four 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.

2.7.5 The operator shall monitor the groundwater at the site for the relevant hazardous substances specified in Table 2.6 at the frequency specified in Table 2.3, the purpose of which shall be to identify groundwater contamination associated with the activities specified in Table 2.6 by those relevant hazardous substances. Each assessment shall be recorded and reported to SEPA. The first assessment shall be completed by the date specified in Table 2.3. The assessment shall include interpretation of the results with reference to previous monitoring undertaken (including the site and, where applicable, the baseline reports) and operations at the permitted installation, and details of corrective actions that are required to protect groundwater and remedy any contamination that has occurred as a result of permitted activities.

2.7.6 The operator shall monitor the soil at the site for the relevant hazardous specified in Table 2.7 at the frequency specified in Table 2.3, the purpose of which shall be to identify soil contamination associated with the activities specified in Table 2.7 by those relevant hazardous substances. Each assessment shall be recorded and reported to SEPA. The first assessment shall be completed by the date specified in Table 2.3. 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 permitted installation, and details of corrective actions that are required to protect soil and remedy any contamination that has occurred as a result of permitted activities.

2.7.7 The operator shall submit a detailed soil and groundwater monitoring plan, for the monitoring required by conditions 2.7.5 and 2.7.6 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.

2.7.8 The operator shall carry out the monitoring required by conditions 2.7.5 and 2.7.6 in accordance with the soil and groundwater monitoring plan required by condition 2.7.7.

2.7.9 The operator shall review the plan required by condition 2.7.7 no later than six 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.

2.7.10 Notwithstanding the requirements of Condition 2.2 all plans, monitoring and assessments reports undertaken in accordance with Conditions 2.7.4, 2.7.5. 2.7.6, 2.7.7 and 2.7.8 shall be preserved until the permit is surrendered.

2.7.11 The operator shall maintain the groundwater monitoring wells detailed in the plan required in Condition 2.7.7 in a condition fit for purpose,

unless otherwise agree 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 2.7.5 and 2.7.6.

2.8 Start Up

2.8.1 Within six months of the date of this 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.

2.8.2 At least every four years, the operator shall review the start-up plan required under condition 2.8.1. 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.

2.9 De-commissioning

2.9.1 Within 6 months of the date of the 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.

2.9.2 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 one month prior to the proposed date of cessation.

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

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

2.9.4.1 At least every four years; and

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

2.10 Sampling and Monitoring Facilities

2.10.1 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.

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

Table 2.3 – Reporting and Notification Requirements

Summary of Information to be Reported or Notified	Condition	Date/Within period/ Frequency to be Reported	Date First Report Due
Primary contact information	2.1.1	One off report	4 weeks from date of Permit
Initial incident report	2.4.5	Within 24 hours of incident	As required
Incident investigation report	2.4.6	Within 14 days of the date of the Incident unless otherwise agreed in writing with SEPA	As required
Incident prevention and mitigation plan	2.4.7	At least every 4 years	6 months from date of Permit
Systematic assessment of resource use and efficiency	2.5.1	At least every 4 years	4 years from date of Permit
Waste management review	2.6.1	At least every 4 years	4 years from date of Permit
Groundwater/soil pollution prevention measures	2.7.4	At least every 4 years	4 years from date of Permit
Groundwater monitoring assessment	2.7.5	At least every 4 years	4 years from date of Permit
Soil monitoring assessment	2.7.6	At least every 10 years	10 years from date of Permit
Soil and groundwater monitoring plan	2.7.7	At least 3 months in advance of carrying out the monitoring	Not later than 3 months prior to first soil and/or groundwater monitoring
Soil and groundwater monitoring plan review	2.7.9	Not later than 6 months after each monitoring event	Not later than 6 months after each monitoring event
Decommissioning plan	2.9.1	At least every 4 years	6 months from date of Permit
Periodic noise assessment	3.1.1	At least every 4 years	4 years from date of Permit
NOx sampling points	3.4.1	One off report	6 months from date of Permit
Environmental management system	3.5.1	At least every 4 years	6 months from date of Permit
Waste storage arrangements	3.6.1	One off report	6 months from date of Permit
Raw material storage arrangements	3.7.1	One off report	6 months from date of Permit
Oil storage provisions and upgrade assessment	3.8.1	One off report	6 months from date of Permit
Emissions to air monitoring results	4.1.5 & 5.1.5	Within 3 months of completion of monitoring	As specified in Condition 4.1.5 & 5.1.5
Mass emissions to air each month from each combustion system	4.1.6 & 5.1.6	Every 6 months by 31 July and 31 January each year	31 January 2026

Table 2.4 – Resource Utilisation Data Recording

Data required to be recorded by Condition 2.5.2	Recording Frequency
Monthly and annual usage of natural gas and fuel oil (expressed in units of mass usage in tonnes and energy usage in MWh)	Annually
Annual electricity consumption from the national grid (MWh)	Annually
Electricity generation from the Energy Centre CHP (MWh)	Annually
Thermal energy generation from the Energy Centre CHP (MWh)	Annually
Thermal energy generation from the Energy Centre boiler (MWh)	Annually
The energy efficiency of the CHP systems in the Energy Centre, in terms of electrical and thermal efficiency, and in terms of total overall energy efficiency, all expressed as percentage values (%)	Annually
Energy efficiency measures detailed by relevant guidance published by SEPA and associated CO_2 savings that would be achieved by each measure over its lifetime, the equivalent annual costs of implementation of the technique, the costs per tonne of CO_2 saved, and the priority for implementation (%, tonnes, £)	As specified by Condition 2.5.1
Total hours run by the emergency standby generators in the Energy Centre (h)	Annually
Total hours run by the emergency standby generators in the remainder of the installation (h)	Annually

Table 2.5 – Raw Materials, Energy and Fuel

Raw material energy and fuel recording requirements specified in Condition 2.5.4
Natural Gas
Raw Biomass (woodchips) used in the Biomass boiler (S02)
Ultra Low Sulphur Fuel Oil (diesel) in compliance with BS 2869:2010 – Part 1 – Class A2
LPG and Petrol (if applicable)
Hydrotreated Vegetable Oil (HVO)
Electricity imported from the national grid

Table 2.6 – Groundwater Monitoring Requirements

Relevant hazardous substance	Activity to be monitored	Frequency
As specified in the monitoring plan required by Condition 2.7.7	As specified in the monitoring plan required by Condition 2.7.7	Every 4 years

Table 2.7 – Soil Monitoring Requirements

Relevant hazardous substance	Activity to be monitored	Frequency
As specified in the monitoring plan required by Condition 2.7.7	As specified in the monitoring plan required by Condition 2.7.7	Every 10 years

3 CONDITIONS APPLYING TO THE PERMITTED INSTALLATION AS A WHOLE

3.1 Noise and Vibration

3.1.1 At least every four years, the operator shall carry out a systematic assessment 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 shall be recorded and reported to SEPA.

3.1.2 All monitoring undertaken in accordance with condition 3.1.1 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.

3.3 Groundwater and Soil Protection

3.3.1 The operator shall maintain plans that identify the configuration and specification of all drains and subsurface pipework 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.

3.4 Environmental Monitoring

3.4.1 The operator shall undertake, or cause to undertake, a programme of monitoring of the ambient concentration of nitrogen dioxide in the vicinity of the Permitted Installation. The monitoring programme shall be based on the determination of monthly mean nitrogen dioxide concentrations from sampling points in a number of locations. The number and the location(s) of the sampling points shall be agreed in writing with SEPA within six months of the date of issue of this permit. The results of all monitoring shall be recorded and reported to SEPA.

3.5 Environmental Management and Maintenance Systems

3.5.1 Within six months of the date of this Permit, the Operator shall define, record and implement suitable operational, management and maintenance systems as are necessary for compliance with the Conditions of this Permit. The system shall specifically include systems addressing the maintenance, training, hazard identification and mitigation measures, incident identification and control, incident reporting, SEPA reporting requirements and waste minimisation systems associated with the operation of the Permitted Activities. The systems shall be subject to documented review at intervals of not more than four years.

3.5.2 No person shall be permitted to operate the Permitted Activities unless the Operator has notified that person in writing that he is so permitted. The Operator shall ensure that any person permitted to operate the Permitted Activities shall do so subject to any limitations specified in the notification necessary for compliance with the Conditions of the Permit. All such notifications shall be recorded by the Operator.

3.5.3 All persons having duties associated with the Permitted Activities shall be appropriately trained in said duties. The Operator shall record, or cause to be recorded, any training undertaken as a consequence of this Condition.

3.5.4 All plant, instrumentation and buildings used in carrying on the Permitted Activities shall be properly maintained and maintenance recorded.

3.5.5 The systems required by Condition 3.5.1 shall include details showing how the maintenance required, whether under a scheme of planned maintenance or consequent to a breakdown, is to be organised to ensure that emissions of potentially polluting substances are prevented or, where that is not practicable, minimised.

3.6 Waste Handling and Storage

3.6.1 The residue and waste materials described in Table 3.6 shall only be stored on the permitted installation at the location, following the method, and in the quantities specified in that table.

3.6.2 The design, capacity and location of the storage facility specified in Condition 3.6.1 shall be agreed in writing with SEPA within six months of the issue date of this Permit.

3.6.3 As of the date specified in Condition 3.6.2 the materials described in Table 3.6 shall only be stored on the Permitted Installation at the location, following the method and in the quantities specified in that Table.

3.7 Raw Materials Storage

3.7.1 The raw materials described in Table 3.7 shall only be stored on the permitted installation at the location, following the method and in the quantities specified in that table.

3.7.2 The design, capacity and location of the storage facility specified in Condition 3.7.1 shall be agreed in writing with SEPA within six months of the issue date of this Permit.

3.8 Incident Prevention

3.8.1 Within six months of the date of this Permit or such other date that may be agreed in writing with SEPA, the Operator shall submit to SEPA a detailed improvement action plan setting out the actions and timescales for works and/or implementation of the relevant operational procedures required to ensure that all oil storage systems within the installation comply with the requirements set out in the Water Environment (Oil Storage) (Scotland) Regulations 2006.

3.8.2 The Operator shall implement those actions and relevant operational procedures required to ensure that all oil storage systems within the

installation comply with the requirements set out in the Water Environment (Oil Storage) (Scotland) Regulations 2006 within the timescales for works specified as a consequence of Condition 3.8.1 that have been agreed in writing with SEPA.

Table 3.6 – Waste Handling and Storage

Description of Material	Location of Storage	Method of Storage	Maximum Permitted Quantity	Storage Conditions
Waste ash from biomass	To be agreed in writing by SEPA under the terms of Condition 3.6.2	To be agreed in writing by SEPA under the terms of Condition 3.6.2	To be agreed in writing by SEPA under the terms of Condition 3.6.2	To be agreed in writing by SEPA under the terms of Condition 3.6.2
Waste lubrication oil and oil from the fuel oil polishing system	To be agreed in writing by SEPA under the terms of Condition 3.6.2	To be agreed in writing by SEPA under the terms of Condition 3.6.2	To be agreed in writing by SEPA under the terms of Condition 3.6.2	Storage systems meeting the requirements of the Oil Storage Regulations (Scotland) 2006
Solid wastes (air filters, batteries etc)	To be agreed in writing by SEPA under the terms of Condition 3.6.2	To be agreed in writing by SEPA under the terms of Condition 3.6.2	To be agreed in writing by SEPA under the terms of Condition 3.6.2	To be agreed in writing by SEPA under the terms of Condition 3.6.2
Contaminated maintenance materials (cloths, clothing etc)	To be agreed in writing by SEPA under the terms of Condition 3.6.2	To be agreed in writing by SEPA under the terms of Condition 3.6.2	To be agreed in writing by SEPA under the terms of Condition 3.6.2	To be agreed in writing by SEPA under the terms of Condition 3.6.2
Contaminated spill kits	To be agreed in writing by SEPA under the terms of Condition 3.6.2	To be agreed in writing by SEPA under the terms of Condition 3.6.2	To be agreed in writing by SEPA under the terms of Condition 3.6.2	To be agreed in writing by SEPA under the terms of Condition 3.6.2
Treated water from the hot water boiler systems (with corrosion inhibitors)	N/A	N/A	N/A	Direct discharge to sewer only

Table 3.7 - Raw Material Storage

Description of Material	Location of Storage	Method of Storage	Maximum Permitted Quantity	Storage Conditions
Raw Biomass (woodchips)	To be agreed in writing by SEPA under the terms of Condition 3.7.2	To be agreed in writing by SEPA under the terms of Condition 3.7.2	To be agreed in writing by SEPA under the terms of Condition 3.7.2	To be agreed in writing by SEPA under the terms of Condition 3.7.2
Diesel Fuel / HVO	To be agreed in writing by SEPA under the terms of Condition 3.7.2	To be agreed in writing by SEPA under the terms of Condition 3.7.2	To be agreed in writing by SEPA under the terms of Condition 3.7.2	To be agreed in writing by SEPA under the terms of Condition 3.7.2
Lubrication Oils and Greases	To be agreed in writing by SEPA under the terms of Condition 3.7.2	To be agreed in writing by SEPA under the terms of Condition 3.7.2	To be agreed in writing by SEPA under the terms of Condition 3.7.2	To be agreed in writing by SEPA under the terms of Condition 3.7.2

4 CONDITIONS APPLYING TO COMBUSTION PLANT (ENERGY CENTRE)

4.1 Air Emission Conditions

4.1.1 The emissions to air specified in Table 4.1, shall only be permitted from the emission locations specified in that table and shall not exceed the limits for the parameters specified in said table.

4.1.2 Any percentage limit specified in Table 4.1 shall be based on the averaging period and time span specified in Table 4.2, where the percentage is the percentage of averaging periods within the time span that must not exceed the percentage limit.

4.1.3 The operator shall carry out spot sampling (**SS)** and continuous **(C)** monitoring of emissions of the parameters specified in Table 4.2, at the sampling location specified in Table 4.1 and subject to the requirements for monitoring specified in Table 4.2.

4.1.4 For any parameter specified in Table 4.1 or in Table 4.2, all results of monitoring carried out under condition 4.1.3 shall be corrected to the reference conditions as specified in Table 4.3. The results of all tests and data used to correct the monitoring results to the reference condition specified in Table 4.3 shall be recorded.

4.1.5 The operator shall record the date, time, duration and results of all monitoring carried out under condition 4.1.3 and report said results. For each result, the report shall include the operational mode and operating rate of the permitted installation at the time of monitoring, the name of the person carrying out the monitoring, any deviations from the methods specified in Table 4.2 and the associated confidence interval.

4.1.6 The operator shall record and report the mass emission results for the parameters of the combined emissions specified in Table 4.4 using the method agreed in writing with SEPA (as summarised in Table 4.4). This information shall be reported in a format agreed in writing with SEPA.

4.1.7 Information used to estimate mass emissions in compliance with condition 4.1.6 shall be recorded for each estimate.

4.2 Operation of Process

4.2.1 No fuels other than natural gas and fuel oil meeting the specification of BS2869:2010 – Part 1 – Class A2 (as amended) shall be used in the Permitted Activities.

4.2.2 The compression ignition standby generator systems ('emergency standby generators') specified in Appendix 1 and forming part of Schedule 1 of this Permit shall only be used for contingency backup electrical energy supply (with exception of routine testing and maintenance activities).

Table 4.1 – Emissions to Air ELVs

Source of Emission	**Emission point number**	**S01**	**S02**	**S03**		**S04**		**S05**	
	Emission source	Gas Turbine	Biomass steam boiler	Dual fuel boiler		Dual fuel boiler		Dual fuel boiler	
	Stack height / diameter (m)	35.0 / (tbc)	35.0 / (tbc)	35.0 / (tbc)		35.0 / (tbc)		35.0 / (tbc)	
	Location on Site Plan	Energy Centre	Energy Centre	Energy Centre		Energy Centre		Energy Centre	
	NGR	NJ 9171 0688	NJ 9171 0688	NJ 9171 0688		NJ 9171 0688		NJ 9171 0688	
Monitoring Details	**Type of Monitoring**	Periodic (SS)	Periodic (SS)	Periodic (SS)		Periodic (SS)		Periodic (SS)	
	Sampling Location	In each stack or in the ductwork leading to the stack from each system	In each stack or in the ductwork leading to the stack from each system	In each stack or in the ductwork leading to the stack from each system		In each stack or in the ductwork leading to the stack from each system		In each stack or in the ductwork leading to the stack from each system	
Limits for Parameters from Emission Source	**Operating Mode**	Natural Gas	Biomass	Gas	Fuel oil	Gas	Fuel oil	Gas	Fuel oil
	Nitrogen Oxides	150	650	200	200	200	200	200	200
	Sulphur Dioxide	-	200	-	-	-	-	-	-
	Carbon Monoxide	-	-	-	-	-	-	-	-
	Particulate Matter	-	50	-	-	-	-	-	-
	Visible releases Ringlemann Number	None permitted	1 (normal operation) 2 (start-up)	None	1 2	None	1 2	None	1 2

All ELVs in mg/Nm^3 - = No limit set

Table 4.2 – Emissions to Air Monitoring Requirements

Parameter	Emission point number	Spot Sampling (SS)		
		Standard	Frequency	Operational Mode
Nitrogen Oxides	SO1-SO5	BS EN 14792 or any other method that has been agreed in writing with SEPA	Annually	At >70% MCR and 100% when on fuel oil firing
Sulphur Dioxide	SO2	TGN M21 or any other method that has been agreed in writing with SEPA	Annually	At >70% MCR and 100% when on fuel oil firing
Particulate Matter	SO2	BS EN 13284-1 or BS EN ISO 23210 or any other method that has been agreed in writing with SEPA	Annually	At >70% MCR and 100% when on fuel oil firing
Visible Emissions	SO1-SO5	Ringlemann Number as determined in accordance with BS 2742:1969	Annually	All operational loads (except at start-up)
Oxygen	SO1-SO5	BS EN 14789 or any other method that has been agreed in writing with SEPA	Annually	At each operational mode specified above

Table 4.3 – Reference Conditions

Emission Point Number	Reference Condition
SO1 (Gas turbine firing natural gas)	Dry, 0ºC, 1,013 mbar at 15% oxygen
SO2 (Biomass boiler firing solid fuel)	Dry, 0ºC, 1,013 mbar at 6% oxygen
SO3–SO5 (Boiler systems firing natural gas or fuel oil)	Dry, 0ºC, 1,013 mbar at 3% oxygen

Table 4.4 – Mass Emissions to Air

Parameter	Combined Emissions (Number)	Method (Summary)	Mass Emissions Result to be Recorded As
NO_x, SO_2 and Particulate Matter	SO1-SO5	Calculations based on fuel specification or fuel use and emission factors derived from established sources or from the results of the most recent periodic emissions monitoring exercise	Mass emissions to air of each substance arising from each fuel type and each combustion system for each month

5 CONDITIONS APPLYING TO COMBUSTION PLANT WITHIN PERMITTED INSTALLATION (EXCLUDING ENERGY CENTRE)

5.1 Air Emission Conditions

5.1.1 The emissions to air specified in Table 5.1, shall only be permitted from the emission locations specified in that table and shall not exceed the limits for the parameters specified in said table.

5.1.2 Any percentage limit specified in Table 5.1 shall be based on the averaging period and time span specified in Table 5.2, where the percentage is the percentage of averaging periods within the time span that must not exceed the percentage limit.

5.1.3 The operator shall carry out spot sampling (**SS)** and continuous **(C)** monitoring of emissions of the parameters specified in Table 5.2, at the sampling location specified in Table 5.1 and subject to the requirements for monitoring specified in Table 5.2. The combustion plant to be sampled and frequency to be agreed in writing with SEPA (tbc).

5.1.4 For any parameter specified in Table 5.1, all results of monitoring carried out under condition 5.1.3 shall be corrected to the reference conditions or as specified in Table 5.3. The results of all tests and data used to correct the monitoring results to the reference condition specified in Table 5.3 shall be recorded.

5.1.5 The operator shall record the date, time, duration and results of all monitoring carried out under condition 5.1.3 and report said results. For each result, the report shall include the operational mode and rate of the permitted installation at the time of monitoring, the name of the person carrying out the monitoring, any deviations from the methods specified in Table 5.2 and the associated confidence interval.

5.1.6 The operator shall record and report the mass emission results for the parameters of the combined emissions specified in Table 5.4 using the method agreed in writing with SEPA (as summarised in Table 5.4).

This information shall be reported in a format agreed in writing with SEPA.

5.1.7 Information used to estimate mass emissions in compliance with condition 5.1.6 shall be recorded for each estimate.

5.2 Operation of Process

5.2.1 No fuels other than natural gas and fuel oil meeting the specification of BS2869:2010 – Part 1 – Class A2 (as amended) shall be used in the Permitted Activities.

5.2.2 The compression ignition standby generator systems ('emergency standby generators') specified in Appendix 1 and forming part of Schedule 1 of this Permit shall only be used for contingency backup electrical energy supply (with exception of routine testing and maintenance activities).

Table 5.1 – Emissions to Air ELVs

Source of Emission	**Emission point number**	**S60 & S62**	**S36 plus S9, S10, S12, S14-17, S19, S21, S23, S26, S32, S33, S42, S57-59, S68-70, S71, S72.**
	Emission source	Cornhill main boiler 1 & 3	Emergency standby generators
	Stack height / diameter (m)	(tbc) / (tbc)	Various
	Location on Site Plan	Royal Cornhill	Various
	NGR	NJ 9240 0720 (tbc)	Various
Monitoring Details	**Type of Monitoring**	Periodic (SS)	N/A
	Sampling Location	In each stack or in the ductwork leading to the stack from each system	N/A
Limits for Parameters from Emission Source	**Operating Mode**	Natural Gas	Fuel oil / HVO
	Nitrogen Oxides	200	-
	Sulphur Dioxide	-	-
	Carbon Monoxide	-	-
	Particulate Matter	-	-
	Visible releases Ringlemann Number	None permitted	1 (normal operation) 2 (start-up)

All ELVs in mg/Nm^3 - = No limit set

Table 5.2 – Emissions to Air Monitoring Requirements

Parameter	Emission point number	Spot Sampling (SS)		
		Standard	Frequency	Operational Mode
Nitrogen Oxides	S60 & S62	BS EN 14792 or any other method that has been agreed in writing with SEPA	To be agreed in writing by SEPA	At >70% MCR and 100% when on fuel oil firing
Visible Emissions	S60 & S62 Emergency standby generators	Ringlemann Number as determined in accordance with BS 2742:1969	To be agreed in writing by SEPA	All operational loads (except at start-up)
Oxygen	S60 & S62 Emergency standby generators	BS EN 14789 or any other method that has been agreed in writing with SEPA	To be agreed in writing by SEPA	At each operational mode specified above

Table 5.3 – Reference Conditions

Emission Point Number	Reference Condition
S60 & S62 (boiler systems firing natural gas or fuel oil)	Dry, 0ºC, 1,013 mbar at 3% oxygen
Emergency standby generators (firing natural gas)	Dry, 0ºC, 1,013 mbar at 5% oxygen
Emergency standby generators (firing fuel oil / HVO)	Dry, 0ºC, 1,013 mbar at 15% oxygen

Table 5.4 – Mass Emissions to Air

Parameter	Combined Emissions (Number)	Method (Summary)	Mass Emissions Result to be Recorded As
NOx	S60 & S62	Calculations based on fuel specification or fuel use and emission factors derived from established sources or from the results of the most recent periodic emissions monitoring exercise.	Mass emissions to air of each substance arising from each fuel type and each combustion system for each month

6 Appendix 1 – Stationary Technical Unit – Combustion Plant Units

Energy Centre Plant > 1 MWth

Source Description	Source ID	Thermal Capacity	MCP Type	Annual Operating Hours
Energy Centre – CHP GT & Boiler	S01	19.78	Existing MCP	> 500
Energy Centre – Biomass Boiler	S02	8.56	Existing MCP	> 500
Energy Centre – Dual Fuel Boiler A	S03	11.23	Existing MCP	> 500
Energy Centre – Dual Fuel Boiler B	S04	11.23	Existing MCP	> 500
Energy Centre – Dual Fuel Boiler C	S05	8.03	Existing MCP	> 500
Cornhill – Main Boiler 1	S60	2.43	Existing MCP	Tbc
Cornhill – Main Boiler 3	S62	2.43	Existing MCP	Tbc

Miscellaneous Natural Gas Plant ≤ 1 MWth

Source Description	Source ID	Thermal Capacity	MCP Type	Annual Operating Hours
Dental Boiler A	S27	0.28	≤ 1 MWth	N/A
Dental Boiler B	S28	0.28	≤ 1 MWth	N/A
Dental Boiler C	S29	0.28	≤ 1 MWth	N/A
Dental Boiler D	S30	0.31	≤ 1 MWth	N/A
Dental Boiler E	S31	0.31	≤ 1 MWth	N/A
Gas Fired Tumble Driers (8 Units)	S35	2.88	≤ 1 MWth	N/A
Labs / Main Kitchen Equipment	S37	N.A.	≤ 1 MWth	N/A
Radio-Pharmacy Boiler	S38	0.12	≤ 1 MWth	N/A
Small Scale Cookers Plus Labs	S39	N.A.	≤ 1 MWth	N/A
Laboratory Equipment	S40	N.A.	≤ 1 MWth	N/A
David Anderson Boiler A	S44	0.09	≤ 1 MWth	N/A
David Anderson Boiler B	S45	0.09	≤ 1 MWth	N/A
Bennachie Boiler 1	S47	0.08	≤ 1 MWth	N/A
Bennachie Boiler 2	S48	0.08	≤ 1 MWth	N/A
Bennachie Boiler 3	S49	0.08	≤ 1 MWth	N/A
Bennachie Boiler 4	S50	0.08	≤ 1 MWth	N/A
Bennachie Boiler 5	S51	0.08	≤ 1 MWth	N/A
Garden Boiler 1	S52	0.20	≤ 1 MWth	N/A
Garden Boiler 2	S53	0.20	≤ 1 MWth	N/A
Garden Boiler 3	S54	0.20	≤ 1 MWth	N/A
Garden Boiler 4	S55	0.20	≤ 1 MWth	N/A
Cornhill Gate Lodge Boiler	S56	0.02	≤ 1 MWth	N/A
Nursery Boiler 1	S63	0.04	≤ 1 MWth	N/A
Nursery Boiler 2	S64	0.04	≤ 1 MWth	N/A
Rosebank Boiler	S65	0.04	≤ 1 MWth	N/A
Cornhill Kitchen Sources	S66	0.01	≤ 1 MWth	N/A
Gardners Boiler	S67	0.03	≤ 1 MWth	N/A

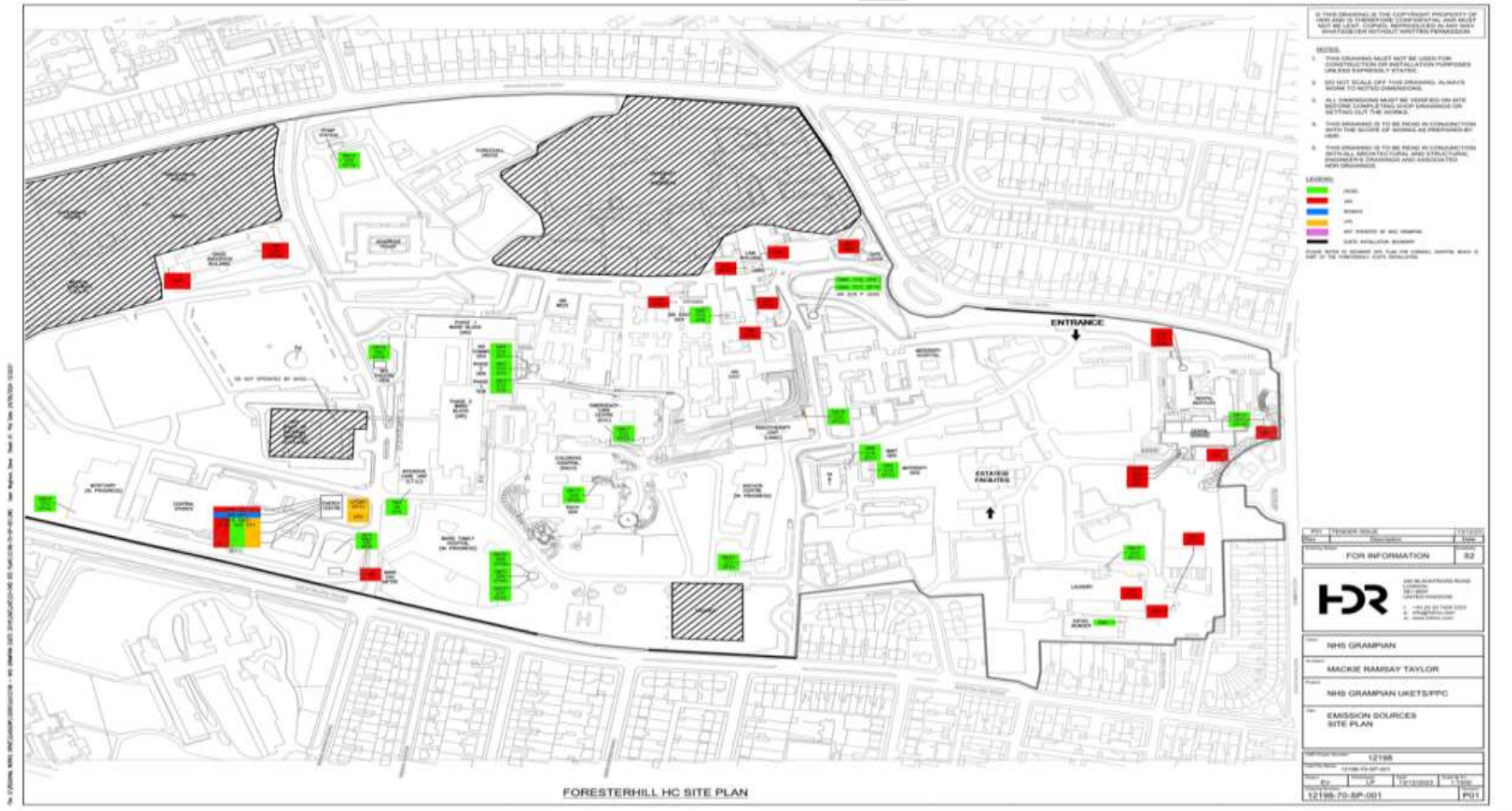
N.A. = Not available N/A = not applicable

Emergency Standby Generators (Limited Hour MCPs)

Source Description	Source ID	Thermal Capacity	MCP Type	Annual Operating Hours
Theatres ITU Generator	S9	0.89	≤ 1 MWth	N/A
Phase 2 Set No 1 Generator	S10	2.49	Limited hours	≤ 50
Phase 1 Set No 1 Generator	S12	2.49	Limited hours	≤ 50
ARI Comms Center Generator	S14	1.06	Limited hours	≤ 50
ARI East End Generator	S15	1.06	Limited hours	≤ 50
ARI Sub Station P Generator	S16	1.41	Limited hours	≤ 50
ARI Sub Station P Link Building Gen	S17	1.00	Limited hours	≤ 50
Medical Computer Centre Generator	S18	0.87	≤ 1 MWth	N/A
Maternity Hospital Generator	S19	1.15	Limited hours	≤ 50
Dental Generator	S21	0.99	≤ 1 MWth	N/A
Mile End Laundry Generator	S23	1.46	Limited hours	≤ 50
ARI Pumping Station Generator	S25	0.17	≤ 1 MWth	N/A
RACH Generator	S26	1.22	Limited hours	≤ 50
ECC Generator	S32	3.37	Limited hours	≤ 50
Linac Generator	S33	1.89	Limited hours	≤ 50
Energy Centre Generator	S36	2.94	Limited hours	≤ 50
MIS Operating Theatres Generator	S42	1.12	Limited hours	≤ 50
Misc Temporary Diesel Plant	S43	N.A.	Limited hours	≤ 50
Small Portable Petrol Generator	S46	0.03	≤ 1 MWth	N/A
Cornhill Generator 3	S57	1.14	Limited hours	≤ 50
Cornhill Generator 4	S58	1.37	Limited hours	≤ 50
Cornhill Generator 5	S59	0.91	≤ 1 MWth	N/A
Baird Generator 1	S68	2.48	Limited hours	≤ 50
Baird Generator 2	S69	2.48	Limited hours	≤ 50
Baird Generator 3	S70	2.48	Limited hours	≤ 50
Anchor Generator	S71	1.23	Limited hours	≤ 50
Mortuary Generator	S72	1.14	Limited hours	≤ 50

N.A. = Not available N/A = not applicable

7 Appendix 2 – Site Plan and Emission Points



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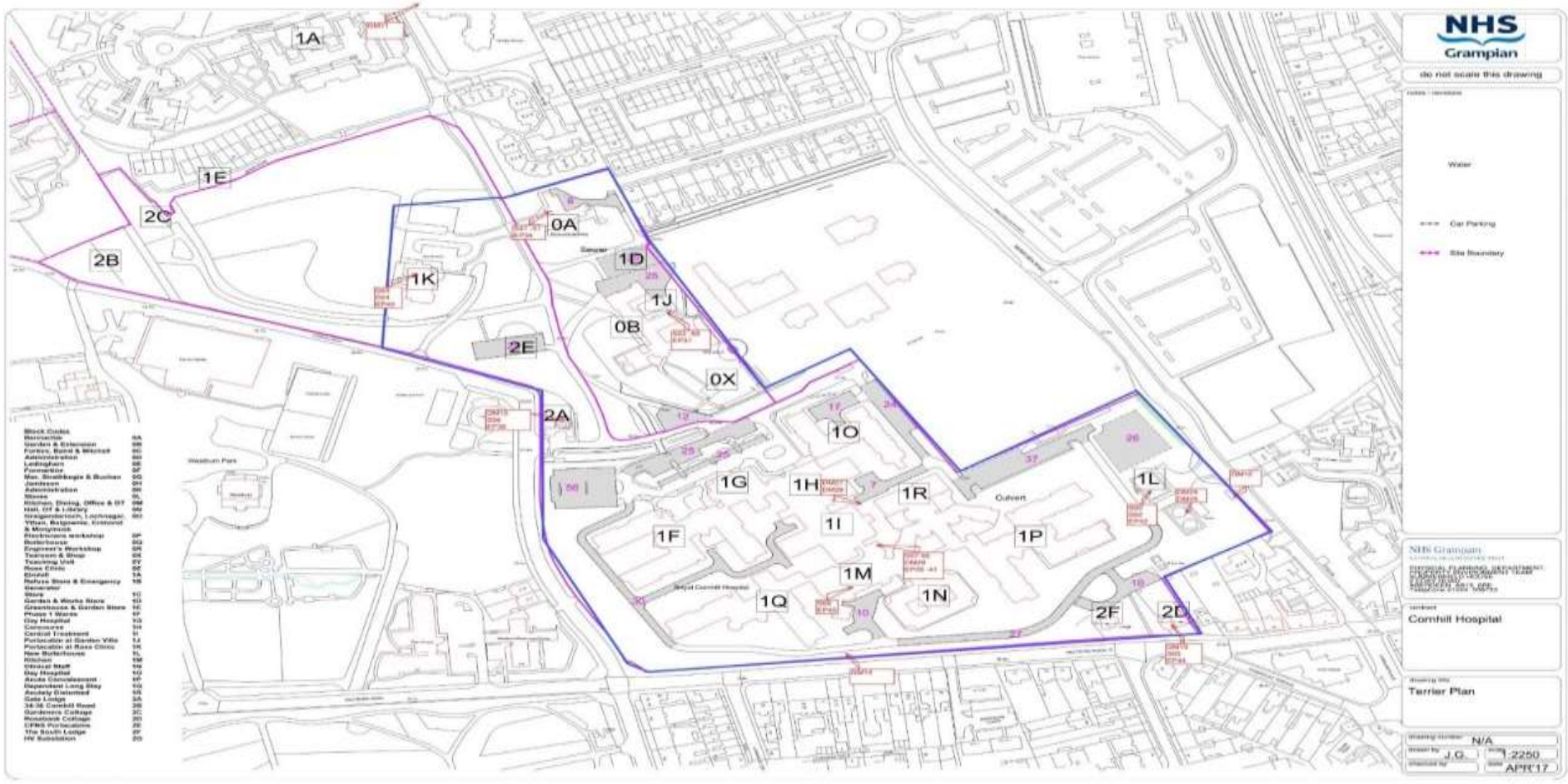

EXPLANATORY NOTES

(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, e-mail address and telephone number for all information to be reported in terms of the permit, is as follows:

Scottish Environment Protection Agency
Inverdee House
Baxter Street
Aberdeen
AB24 4LR

Tel No: 0800 80 70 60 and/or 01224 266600
Fax No: 01224 896657
Email: registryaberdeen@sepa.org.uk

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.

12. SEPA DOCUMENT IED-T-01(TT)

This document can be downloaded from the SEPA website www.sepa.org.uk. Should you have any difficulty accessing a copy please contact SEPA for assistance.