

Pollution Prevention and Control

Part A Permit – Manufacture of subsea cables

Port of Nigg, Nigg, Tain, IV19 1QU

PPC/A/5010755

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INTRODUCTION

This introduction does not form part of the authorisation.

Authorisations

Who we are: The Scottish Environment Protection Agency (SEPA) is a non-departmental public body of the Scottish Government. Our purpose is to deliver environmental protection and improvement in ways that, as far as possible, also create health and wellbeing benefits and sustainable economic growth.

Why we issue authorisations: We are responsible for preventing or controlling pollution and improving the environment. One of the tools available to us is the authorisation of activities that present environmental risk. Authorisations give permission for these activities to occur and set conditions that the activities must comply with.

When we issue authorisations: We will issue an authorisation following our determination of an application, when satisfied that the authorised person has put in place measures to protect the environment and is capable of carrying out activities in line with the conditions of an authorisation.

Changes to authorisations: We can amend, suspend or revoke an authorisation in response to changes in legislation, the activities undertaken or authorisation holder performance.

Compliance and enforcement: SEPA Officers may undertake monitoring and inspections to assess compliance with authorisation conditions. All authorisations and inspection reports are publicly available. If an authorised person fails to comply with an authorisation, we may take enforcement action in line with our enforcement policy and guidance.

Authorisation reference: PPC/A/5010755**General information:**

Address:	Port of Nigg, Nigg, Tain, IV19 1QU
Description of authorised activities:	The manufacture of subsea electrical cables.
Environmental risks SEPA has regulatory powers to control:	The discharge of potentially polluting substances to the air, water and ground.

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Grant of Authorisation

This authorisation has been granted by the Scottish Environment Protection Agency in exercise of its powers under Regulation 13 of the Pollution Prevention and Control (Scotland) Regulations 2012 (the Regulations). Terms used in this authorisation, unless otherwise specified, are the same as in the Regulations.

Authorisation reference:	PPC/A/5010755
Authorised Person:	SUMITOMO ELECTRIC U.K. POWER CABLES LTD. Company Number - SC770788 1-5 Church Street, Inverness, Scotland, IV1 1DY
Authorised Activities:	<p>Melting, including making alloys, of non-ferrous metals, which is described in Section 2.2, Part A, paragraph (b) of Schedule 1 to the Regulations as Melting, including making alloys, of non-ferrous metals, including recovered products, and the operation of non-ferrous metal foundries in an installation with a melting capacity exceeding— (i) 4 tonnes per day for lead or cadmium.</p> <p>and</p> <p>Heating (but not distilling) bitumen in connection with any process of manufacture which is described in Section 6.3, Part B, paragraph (a) of Schedule 1 to the Regulations as Heating (but not distilling) tar or bitumen in connection with any process of manufacture, where the carrying on of those activities by the person concerned at the location in question is likely to involve a qualifying amount.</p> <p>“qualifying amount” means the use in any 12 month period of 5 tonnes or more of tar or of bitumen or, in aggregate, of both.</p> <p>and any directly associated activities as further detailed in this authorisation.</p>

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Authorised Place:	Port of Nigg, Nigg, Tain, IV19 1QU and As detailed in the location plan
Conditions applicable to this authorisation:	The conditions contained in the schedules of this authorisation.
Date of Authorisation:	<<DD/MM/YYYY>>
Effective date of Authorisation:	<<DD/MM/YYYY>>

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INTERPRETATION OF TERMS

For the purposes of this Permit the following definitions apply:

Any term or expression already defined in the Regulations or the Industrial Emissions Directive [IED] has the same meaning as provided in the Regulations or the IED itself;

Any reference within this Permit to reports or notifications to be made to SEPA in writing shall be read as to include by email at the email address specified in the explanatory notes attached to this Permit.

“Bunded” means a containment system (including walls and a base) built around an area where potentially polluting materials are handled, processed or stored, for the purposes of containing any unintended escape of material from that area until such time as remedial action can be taken. Containment systems must meet the requirements of relevant guidance.

“Commissioning” means the commencement of the operation of a Permitted Installation, or part thereof, for the first time following construction, or after any significant modification or change. It includes: the planning and management of the Commissioning of the Permitted Installation or part thereof; functional testing of equipment; introducing process materials to the plant; resolution of technical and procedural problems; confirmation that all aspects of the plant operate as designed or planned; and confirmation the plant operates within the conditions of this Permit;

“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;

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- 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.

"Industrial Emissions Directive" or "IED" means Directive 2010/75/EU on Industrial Emissions (Integrated Pollution Prevention and Control) (Recast);

Installation means (a) a stationary technical unit where one or more activities listed in Schedules 1 or 2 of The Pollution Prevention and Control (Scotland) Regulations 2012 are carried out, and (b) any other location on the same site where any other directly associated activities are carried out, and references to an installation include references to part of an installation.

"Relevant Hazardous Substance" means hazardous substances that are capable of contaminating soil and groundwater based upon consideration of the chemical and physical properties of the substance.

"Start-up" means the starting or re-starting of all or part of a process either for the first time or following shutdown within an authorised activity before reaching minimum stable operating conditions.

"Shutdown" means the permanent or temporary cessation of all or part of a process.

"the Regulations" means The Pollution Prevention and Control (Scotland) Regulations 2012.

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“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” 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”) are 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.

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

ACRONYMS

“BAT” means Best Available Techniques;

“BS” means British Standard

“CEN” means Comité Européen de Normalisation;

“ISO” means International Organization for Standardization

Draft for Consultation

SCHEDULE 1 THE PERMITTED INSTALLATION

1.1 Description of the Installation

1.1.1 The permitted installation to which this Permit applies (“the Permitted Installation”) is:

- a) The stationary technical unit specified in paragraph 1.1.4 (“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”).
- b) The site (“the Site”) of the Permitted Installation is delineated in red on the Site Plan.
- c) The location of the Permitted Installation within the Site is shown in green on the Site Plan.

1.1.2 The general location of the Permitted Installation is as shown on the Site Location Plan.

1.1.3 The Activities carried out at the Stationary Technical Unit are:

- a) Melting, including making alloys, of non-ferrous metals, which is described in Section 2.2, Part A, paragraph (b) of Schedule 1 to the Regulations as Melting, including making alloys, of non-ferrous metals, including recovered products, and the operation of non-ferrous metal foundries in an installation with a melting capacity exceeding— (i) 4 tonnes per day for lead or cadmium.
- b) Heating (but not distilling) bitumen in connection with any process of manufacture which is described in Section 6.3, Part B, paragraph (a) of Schedule 1 to the Regulations as Heating (but not distilling) tar or bitumen in connection with any process of manufacture, where the carrying on of those activities by the person concerned at the location in question is likely to involve

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a qualifying amount. “qualifying amount” means the use in any 12 month period of 5 tonnes or more of tar or of bitumen or, in aggregate, of both.

1.1.4 The Stationary Technical Unit comprises the following units:

1.1.4.1 One header furnace with a capacity of approximately 30 tonnes of molten lead.

1.1.4.2 A second furnace with a capacity of 18 tonnes which provides the feed to the extruder.

1.1.4.3 Extrusion of molten metals to form a solid metal sheath made of lead around the cable using a Sandelin Lead extruder.

1.1.4.4 One bitumen melting pot with a capacity of approximately 300 kg of molten bitumen.

1.1.4.5 Three liquid bitumen coating heads.

1.1.4.6 Extraction of air from above the lead melting furnaces through a HEPA Fabric filtration dust collector fitted with a capture pot before discharge to the environment through one 23 meter high stack of 0.24 metres diameter.

1.1.4.7 Extraction of air from above the bitumen melting pot and coating heads by LEV extraction which will extract to an externally located wet scrubber unit before discharge to the environment through one 23 meter high stack of 0.64 metres diameter.

1.1.5 The following Directly Associated Activities are carried out on the Site:

1.1.5.1 Thermal process of heating the polymer and extruding the cross-linked polyethylene (XPPE) around the conductor together with semiconductor tape with the cross-linking process taking place during heating and further curing period of the cable.

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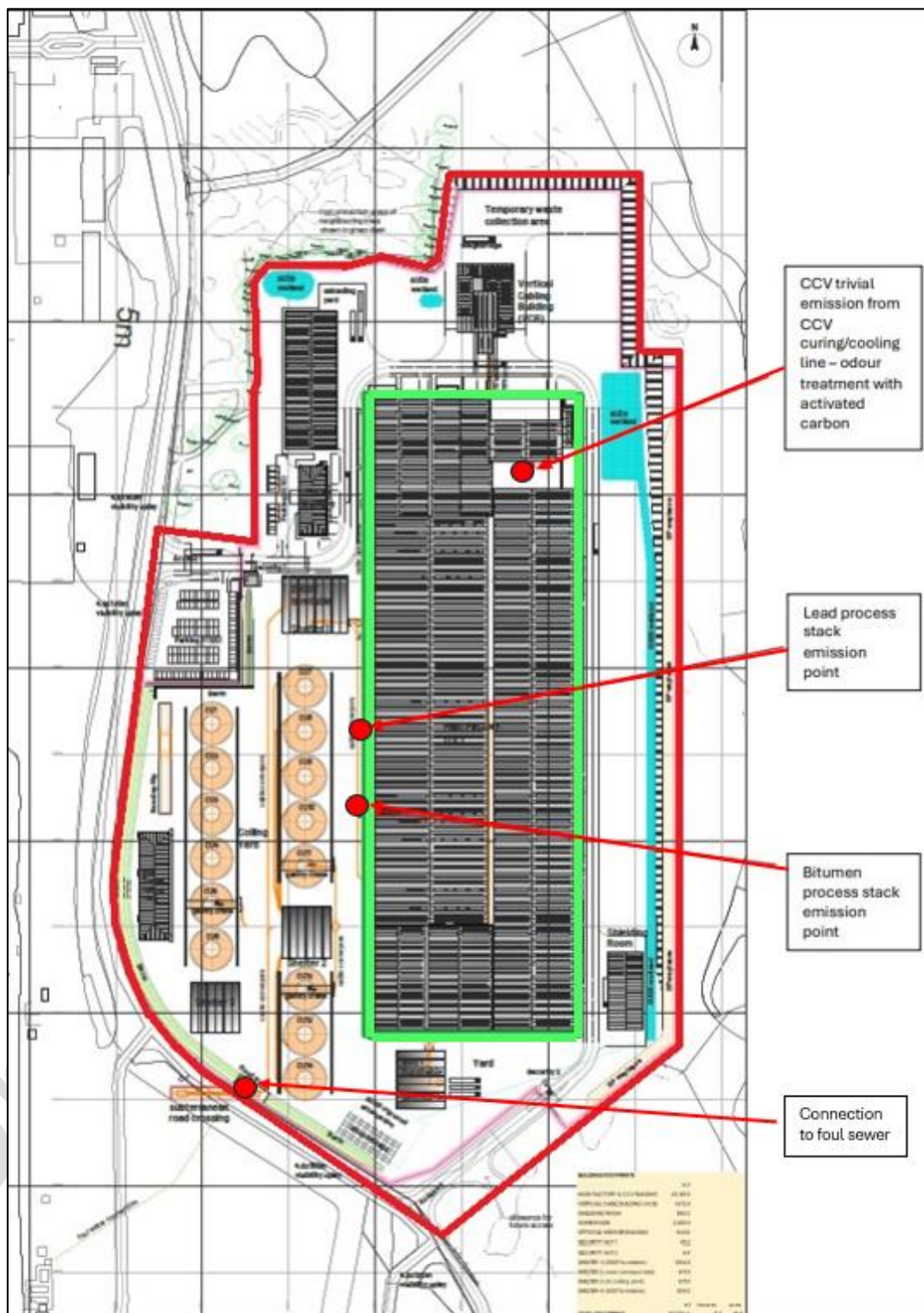
- 1.1.5.2 Deep bed activated carbon odour control unit fitted to the extract discharge from the Catenary Continuous Vulcanization (CCV) process.
- 1.1.5.3 All delivery, storage, and handling of raw materials, by-products, residue, waste materials and final products.
- 1.1.6 For the purposes of this Permit, the Activities and Directly Associated Activities shall be known together as “the Permitted Activities”.
- 1.1.7 The staff welfare facilities are not part of the permitted installation.

1.2 Description of the Permitted Installation

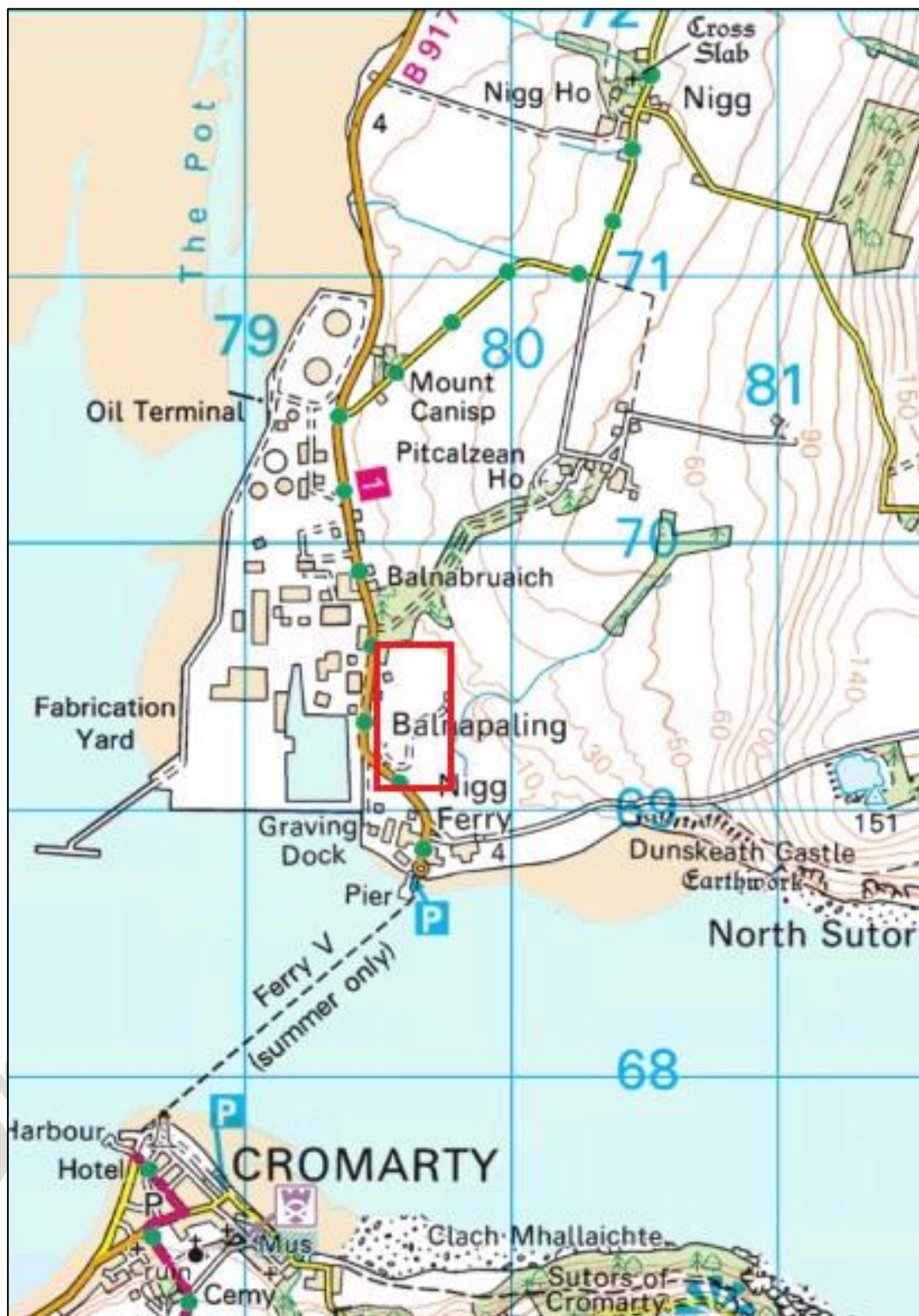
- 1.2.1 The Permitted Installation to which this Permit applies (“the Permitted Installation”) is:-
 - 1.2.1.1 The part of the Installation which comprises the parts of the Stationary Technical Unit described in paragraph 1.1.4. where the parts of the activities described in paragraph 1.1.3. are carried out, together with the parts of the Directly Associated Activities described in paragraph 1.1.5.
- 1.2.2 For the purposes of this Permit, the parts of the activities described in paragraph 1.1.3. and parts of the Directly Associated Activities described in Paragraph 1.1.5. shall be known together as the Permitted Activities.

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1.3 Site Plan



1.4 Site Location Plan

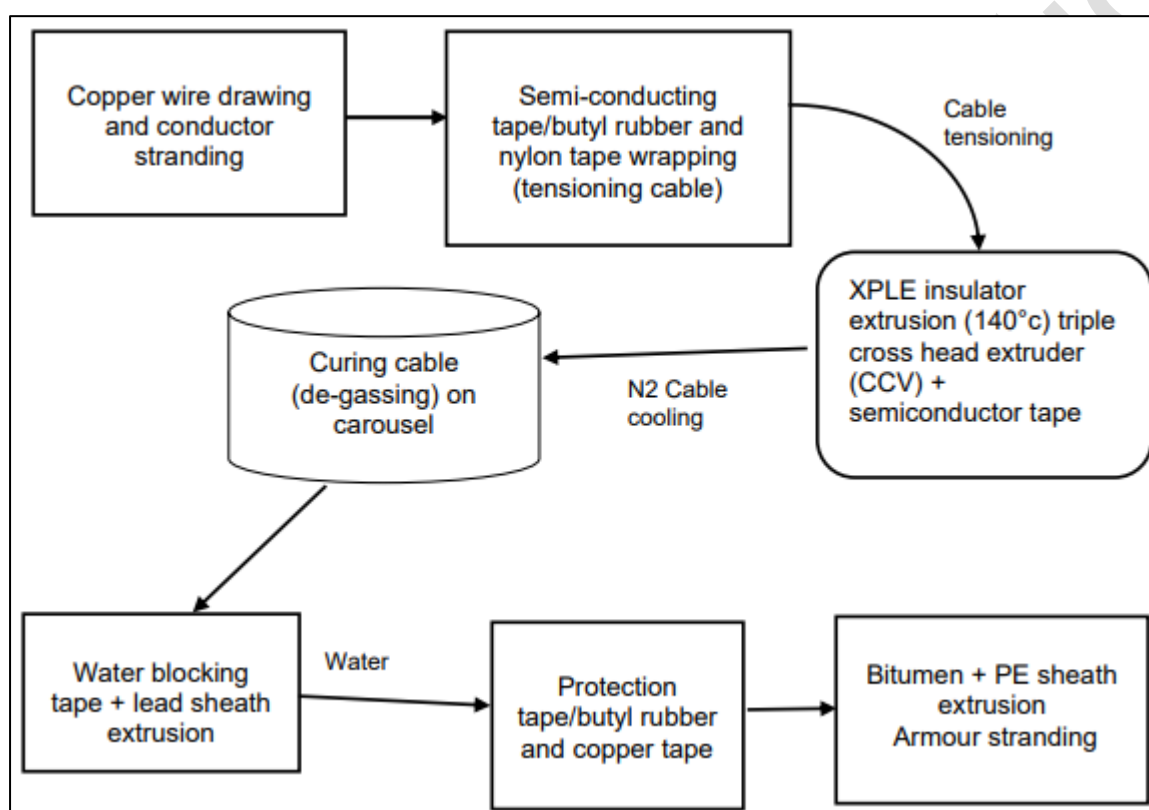


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1.5 Cable Manufacturing Flow Diagram



SCHEDULE 2 GENERAL MANAGEMENT & ADMINISTRATION CONDITIONS

2.1 Duty of Operator

- 2.1.1 The Operator must ensure compliance with the conditions of this authorisation.

2.2 Management and Administration

- 2.2.1 The Operator must have an appropriate person (and deputy) as the primary point of contact with SEPA, and notify SEPA in writing of the name of the appointed person (and deputy) within four weeks of the date of this Permit.
- 2.2.2 In the event of a different person being appointed to act as primary point of contact (or deputy) the Operator must notify SEPA in writing of the name of the appointed person or deputy without delay.
- 2.2.3 A copy of this Permit shall be available at the Permitted Installation.

2.3 Management Systems

- 2.3.1 The Permitted Installation shall be managed and operated in accordance with an appropriate written management system.
- 2.3.2 The written management system must be reviewed as required and at least once every four years. All reviews must be recorded, and the results of any review incorporated into the written management system and implemented, within a period of three months from the end of the review.

2.4 Records

- 2.4.1 Any systems or procedures used by the Operator to demonstrate compliance with a Condition of this Permit must be recorded.

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- 2.4.2 Unless otherwise specified in a Condition of this Permit, every record made in compliance with a Condition of this Permit must be preserved for not less than six years from the date of its being made.

2.5 Reporting and Notifications

- 2.5.1 Where any condition of this Permit requires information to be reported or notified to SEPA, a report or notification must be forwarded to SEPA, in the manner specified in that condition, by the date(s) or within the period or at the frequency specified in that condition, and, where appropriate, the first report or notification must be due on the date specified in that Condition. All such reports or notifications must include the Permit number, Permit Condition number and the name of the Operator.
- 2.5.2 All reports or notifications must be submitted to SEPA in the manner specified in that condition to the email address/telephone number specified in the explanatory notes to this permit.

Where the Permitted Installation has not operated for the duration of any relevant reporting period specified in the relevant Condition, the Operator must provide written notification to SEPA. This must confirm that no relevant reports have been made in terms of 2.5.1, because the Permitted Installation has not operated during the said period. Such notifications must be submitted within one month of the end of the reporting period concerned.

2.6 Incidents

- 2.6.1 The installation must be operated in such a way that the necessary measures are taken to prevent accidents and limit their consequences.
- 2.6.2 In the event of an incident all necessary measures must immediately be taken:

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- 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.
- 2.6.3 In the event of a breach of any condition of this permit the Operator must immediately take the measures necessary to ensure that compliance is restored in the shortest possible time.
- 2.6.4 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 must immediately suspend operation of the Permitted Installation or relevant part thereof until such time as it can be operated in compliance with this Permit.
- 2.6.5 In the event of an incident, the Operator must notify SEPA by telephone without delay to 0800 80 70 60. This notification must include as far as practicable the information specified in 2.6.6.
- 2.6.6 The Operator must confirm any incident to SEPA in writing by the next working day after identification of the incident. This confirmation must include:
- a) the time and duration of the incident,
 - b) the receiving environmental medium or media where there has been any emission because of the incident,
 - c) an initial estimate of the quantity and composition of any emission,
 - d) the measures taken to prevent or minimise any emission or further emission and a preliminary assessment of the cause of the incident.

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2.6.7 Any incident notified to SEPA must be investigated by the Operator, and a report of the investigation sent to SEPA within 14 days of the incident. The report must detail, as a minimum:

- a) the circumstances of the incident,
- b) an assessment of any harm to the environment,
- c) the steps taken by the Operator to bring the incident to an end, and
- d) proposals for remediation, where necessary, and for preventing a repetition of the incident.

SCHEDULE 3 CONDITIONS APPLYING TO THE OPERATION OF THE PERMITTED INSTALLATION

3.1 Commissioning of the Permitted Installation

- 3.1.1 As part of the commissioning of the installation or any new or substantially changed activities following on from a significant modification or change to the Permitted Installation, validation tests must be carried out and recorded that demonstrate that the installation can be operated in compliance with the conditions of this permit.
- 3.1.2 An end of commissioning report must be submitted to SEPA within four weeks of completing the initial commissioning of the installation.

3.2 Cessation of activities

- 3.2.1 SEPA must be notified if there is a planned cessation of all, or any part of authorised activities for any period exceeding 12 months. The notification must be submitted at least two months prior to the proposed date of cessation.
- 3.2.2 On final cessation of activities, measures must be taken to return the installation to a satisfactory state.

3.3 Sampling and Monitoring Facilities

- 3.3.1 Where practicable, unrestricted access to all sampling points required by any Condition of this Permit must be provided at all times.
- 3.3.2 Any technique employed for the monitoring of any substance listed in Table 4 and Table 10 must be:
- a) the current CEN standard; or
 - b) where no CEN standard is available (and only in that circumstance): the default method for that substance as appropriate; or

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- c) alternative methods may be used provided the Operator can demonstrate equivalence to the relevant CEN standard by using CEN/TS 14793.

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SCHEDULE 4 GENERAL RESOURCE REVIEW CONDITIONS

4.1 Resource Utilisation and Waste Minimisation

- 4.1.1 Annual data totals of raw materials, energy utilised, emissions, and waste produced within the installation, must be recorded in the relevant section of the “Systematic assessment of resource use and efficiency template (IED-T-04)”.
- 4.1.2 A report detailing a review of resource utilisation at the installation must be submitted every four years. The report must:
- a) Include the annual data totals required in 4.1.1;
 - b) identify ways to reduce, where possible, raw materials, water used, energy utilised, emissions, and waste produced; and
 - c) demonstrate that, where possible, resource utilisation is improving at the installation year-on-year.

4.2 Waste Inventory

- 4.2.1 Waste must not be stored at the Permitted Installation for periods in excess of one year.
- 4.2.2 Within three months from the completion of commissioning of the process, the Operator must prepare and thereafter maintain an inventory of the wastes stored on the installation. The inventory must contain the following records for each waste type:
- a) A unique reference name or number for identification purposes;
 - b) Quantities of waste stored with reference to mass, volume or number of items;

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- c) The fate of the waste (i.e. re-use, recovery or disposal) and a justification for that fate where it is not at the top of the waste hierarchy.
- d) Date on which storage of the waste commenced and date of removal of the waste from the Permitted Installation;
- e) Location and method of on-site handling and storage of the waste.

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SCHEDULE 5 GENERAL ENVIRONMENTAL PROTECTION CONDITIONS

5.1 Start-up and Shut-down

- 5.1.1 The number of start-ups and shut-downs must be kept to the minimum that is reasonably practicable.
- 5.1.2 All reasonable steps must be taken to minimise emissions during start up and shut-down.

5.2 Emissions

- 5.2.1 All appropriate measures must be taken to prevent, or where that is not practicable, minimise:
 - a) odour;
 - b) noise;
 - c) dust;arising from the authorised/permitted activities.

5.3 Noise and Vibration

- 5.3.1 Offensive noise and vibration from the authorised activities as perceived by a SEPA officer must not be emitted beyond the boundary of the permitted installation.
- 5.3.2 Within six months from the completion of commissioning of the process the Operator must prepare, implement, maintain and submit to SEPA a noise and vibration management plan (the "NVMP"). A copy of the NVMP must be reported to SEPA.

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- 5.3.3 The NVMP must be reviewed at least every four years and whenever there is a change in operation which could impact receptors or new receptors are introduced. A copy of the reviewed NVMP must be reported to SEPA.
- 5.3.4 The NVMP shall set out the steps to be taken by the Operator to:
- a) prevent and reduce emissions of noise and vibration at all times; and
 - b) to ensure that 5.1.1 and 5.1.2 are complied with; and,
 - c) identify the techniques to ensure that no significant noise and vibration pollution is caused.
- 5.3.5 The Permitted Installation shall be operated to ensure that any tones generated by the Permitted Activities shall have a tonal audibility (ρL_{ta}), at noise sensitive receptors, less than or equal to 4dB, as defined by Annex D of BS 4142.
- 5.3.6 All monitoring undertaken to support the preparation or review of the NVMP must be recorded and reported.
- 5.3.7 The Operator shall undertake an appropriate assessment of broadband and tonal noise at noise sensitive receptors during the operation of the Permitted Activities within 6 months of cessation of Commissioning. If either assessment identifies adverse impact, then the operator must outline what additional BAT measures will be implemented to reduce the assessed impact. A copy of the assessments and any recommendations must be reported to SEPA within two months from the date the monitoring was completed.

5.4 Odour

- 5.4.1 Offensive odours from the authorised activities as perceived by a SEPA officer must not be emitted beyond the boundary of the permitted installation.

SCHEDULE 6 CONDITIONS APPLYING TO THE PROCESS

6.1 Operation of the Lead melting process

- 6.1.1 The temperature of the melting furnaces for the Lead process shall be maintained at the lowest possible level and controlled so that it does not exceed 380°C.
- 6.1.2 Whenever air above the lead melting facilities is extracted, it shall be drawn through the HEPA Fabric filtration dust collector, with dust removal efficiency rated as 95% or greater before discharge via a stack.
- 6.1.3 The discharge from the HEPA Fabric filtration dust collector stack must maintain a target exit velocity of 10m/s under normal operating conditions.

6.2 Operation of the Bitumen melting process

- 6.2.1 The temperature of the bitumen melting process shall be maintained at the lowest possible level and controlled so that it does not exceed 220°C.
- 6.2.2 Whenever air above the bitumen melting process and coating heads is extracted it shall be drawn through the LEV extraction which will extract to an externally located wet scrubber unit before discharge.
- 6.2.3 The discharge from the wet scrubber stack must maintain a target exit velocity of 15m/s under normal operating conditions.

6.3 Operation of the cross-linked polyethylene process

- 6.3.1 Whenever air above the Catenary Continuous Vulcanization (CCV) process is extracted it shall be drawn through the deep bed activated carbon odour control unit before discharge.

SCHEDULE 7 CONDITIONS APPLYING TO EMISSIONS TO AIR FROM THE PERMITTED INSTALLATION

7.1 Air Emission Conditions

- 7.1.1 The Emissions to air specified in Table 3, must only be emitted from the locations specified in Table 3, must not exceed the limits specified in Table 3, and must comply with the criteria in 7.1.2.

Table 1: Air Emissions and Limit Values

Source of Emission	Emission point (see Site Plan)	01	02
	Emission source	Lead Melting Process	Bitumen Melting Process
	Stack height/ diameter (m)	23 x 0.24	23 x 0.64
Monitoring Details	Type of Monitoring	Periodic	Periodic
	Sampling Location	HEPA Filter Stack	Wet Scrubber Stack
Limits for Parameters from Emission Source (All mg/m ³ unless otherwise stated)	Flow (m/s)	Min: 10	Min: 15
	Temperature (°C)	Max: 65	Max: 25
	Lead (Pb)	1	-
	Dust	4	50
	Bitumen fume	-	50

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	Volatile organic compounds	-	50
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‘-’ Indicates no limit set.

7.1.2 Other than condensed water vapour, all releases to the air during normal operations must be free from visible emissions.

7.1.3 The Operator must carry out periodic (P) and continuous (C) monitoring of emissions of the parameters specified in Table 3, at the sampling location specified in Table 3 and subject to the requirements for monitoring specified in Table 4 and 3.3.2.

Table 4: Emissions to Air Monitoring Requirements

Parameter	Emission Point number	Periodic (P) monitoring frequency	Operating mode
Lead (Pb)	01	Annual	Normal production conditions
Dust	01 & 02	Annual	Normal production conditions
Bitumen fume	02	Annual	Normal production conditions
Volatile organic compounds	02	Annual	Normal production conditions

- 7.1.4 For any parameter specified in Table 4 other than oxygen, visible plume, or odour, all results of monitoring carried out under 7.1.3 must be corrected to the reference conditions as specified in Table 5. The results of all tests and data used to correct the monitoring results to the reference condition specified in this condition must be recorded.

Table 2: Reference Conditions

Emission Point Number	Reference Condition
01 & 02	No correction required, no combustion processes

- 7.1.5 The Operator must record the date, time, duration and results of all monitoring carried out under Condition 7.1.3 and report said results within one month of the end of the reporting period. For each result, the report must include the operational mode of the item of equipment being tested at the time of monitoring, the name of the person carrying out the monitoring, any deviations from the methods specified in Condition 3.3.2 and the associated confidence interval.
- 7.1.6 Monitoring personnel, equipment and organisations must have a quality system accredited to BS EN ISO/IEC 17025 as appropriate and laboratory analysis must be carried out by an organisation accredited to BS EN ISO/IEC 17025.

SCHEDULE 8 CONDITIONS APPLYING TO EMISSIONS TO THE WATER ENVIRONMENT AND SOIL FROM THE PERMITTED INSTALLATION

8.1 Water Environment and Sewer Discharge Conditions

- 8.1.1 There shall be no emissions to the water environment from the installation and any emission to the sewer shall not contain hazardous substances unless consented by the sewerage undertaker.

8.2 Groundwater and Soil Protection

- 8.2.1 Unless specified elsewhere in this Permit, there must be no emission of any pollutants to groundwater or soil from the Permitted Installation.
- 8.2.2 Surfaces should be of an appropriate specification, and maintained, to ensure compliance with Condition 8.2.1.
- 8.2.3 The Operator must 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.
- 8.2.4 All above ground containers and tanks containing liquids whose spillage or release could be harmful to the environment must be bunded.
- 8.2.5 The Operator must regularly inspect secondary containment and remove any rainwater that has collected.
- 8.2.6 The Operator must 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

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of incidents, together with a record of any further investigation or remediation work carried out.

- 8.2.7 Notwithstanding the requirements of Condition 2.4.2, the record required by Condition 8.2.6 must be preserved until this Permit is surrendered.
- 8.2.8 At least every four years, the Operator must 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 must be recorded and reported to SEPA. The report must include details of and timescales for any additional measures that are required to prevent emissions to soil and groundwater. The first report must be provided 6 months from the completion of commissioning.
- 8.2.9 The Operator must undertake an assessment at the site for the Relevant Hazardous Substances specified in Table 10 at the frequency specified in Table 10, the purpose of which must be to identify the need for ground water monitoring in relation to the potential risk of groundwater contamination associated with the activities specified in Table 10 by those Relevant Hazardous Substances. Each assessment must be recorded and reported to SEPA. The first assessment must be completed within 6 months from the completion of commissioning. The assessment must 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 groundwater and remedy any contamination that has occurred as a result of permitted activities. The assessment shall be reviewed at least every 4 years or sooner, whenever there is a change in operation or the introduction of RHS which could impact ground water.

Table 3: Groundwater Monitoring Requirements

Relevant Hazardous Substance	Activity to be Monitored	Frequency
As per monitoring plan submitted under Condition 8.2.11 or as otherwise agreed in writing by SEPA	As per monitoring plan submitted under Condition 8.2.11 or as otherwise agreed in writing by SEPA	As per monitoring plan submitted under Condition 8.2.11 or as otherwise agreed in writing by SEPA

8.2.10 The Operator must undertake an assessment at the site for the relevant hazardous substances specified in Table 11 at the frequency specified in Table 11, the purpose of which must be to identify the need for soil monitoring in relation to the potential risk of soil contamination associated with the activities specified in Table 11 by those Relevant Hazardous Substances. Each assessment must be recorded and reported to SEPA. The first assessment must be completed within six months from the completion of commissioning. The assessment must 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. The assessment shall be reviewed at least every four years or sooner, whenever there is a change in operation or the introduction of RHS which could impact ground water.

Table 4: Soil Monitoring Requirements

Relevant Hazardous Substance	Activity to be Monitored	Frequency
As per monitoring plan submitted under Condition 8.2.11 or as otherwise agreed in writing by SEPA	As per monitoring plan submitted under Condition 8.2.11 or as otherwise agreed in writing by SEPA	As per monitoring plan submitted under Condition 8.2.11 or as otherwise agreed in writing by SEPA

8.2.11 Should the Operator be required to undertake soil and ground water monitoring as determined by conditions 8.2.9 and 8.2.10, the Operator must submit a detailed soil and groundwater monitoring plan, for the monitoring required by 8.2.9 and 8.2.10 to SEPA at least three months in advance of carrying out the monitoring, which must include the locations at which monitoring must be carried out and the methodology which must be used. The monitoring plan must follow the guidance provided in SEPA technical guidance document IED-TG-42 for the content of a monitoring plan.

8.2.12 The Operator shall carry out the monitoring required by 8.2.9 and 8.2.10 in accordance with the soil and groundwater monitoring plan required by 8.2.11

8.2.13 The Operator must review the plan required by 8.2.11 no later than six months after each monitoring event. The purpose of the review must 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.

8.2.14 Notwithstanding the requirements of 2.4.2, all plans, monitoring and assessments reports undertaken in accordance with 8.2.9, 8.2.10, 8.2.11 and 8.2.13 must be preserved until the permit is surrendered.

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- 8.2.15 The Operator must maintain any groundwater monitoring wells detailed in the plan required in 8.2.11 in a condition fit for purpose. Where a monitoring well's function is compromised it must be repaired or replaced to allow sample collection in accordance with 8.2.9 and 8.2.10.

Draft for Consultation

EXPLANATORY NOTES

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

1. BAT

Regulation 22 of the Regulations specifies that there is a condition of an authorisation, that the operator must use the best available techniques (BAT) for preventing, or where that is not practicable, reducing emissions from the installation or mobile plant. This is referred to as the 'general' BAT condition. This condition does not apply in relation to any aspect of the operation of the installation or mobile plant, which is regulated by a specific condition of the authorisation.

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.

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

SEPA Angus Smith Building
6 Parklands Avenue
Eurocentral
Holytown
North Lanarkshire
ML1 4WQ

E-mail: ppcdatareturns@sepa.org.uk

Tel No: 0800 80 70 60

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.