

P-IND-IA1

The Environmental Authorisations (Scotland) Regulations 2018 (EASR)

Industrial Permit Activity: Other Emissions Activities and Organic Solvent Emissions Activities

Contents

How to use this activity form	3
Before you apply.....	4
Multiple activities under a single permit	4
How to apply	5
Section 1 - Location of the activity	6
1.1 Location details	6
1.2 Nuclear site licence	6
1.3 Site of Special Scientific Interest (SSSI), Special Area of Conservation (SAC), Special Protection Area (SPA) and RAMSAR sites	7
Section 2 - About your proposed activities.....	8
2.1 Non-technical summary	8
2.2 Industrial activity.....	9
2.3 Location Plan	10
2.4 Infrastructure plan	11
Section 3 - Technical description of your process	12
3.1 Process description.....	12
3.2 Emissions to air.....	12
3.3 Emissions to water	16
3.4 Resources and waste.....	16
3.5 Management and accident prevention	17
Section 4 - Schedule 26 specialised activities	19
4.1 Emissions to water	21
4.2 Noise emissions	24
4.3 Compliance with Best Available Techniques	25
4.4 Site and baseline report.....	26

Section 5 - Any other information	28
Appendices for additional information.....	28
Appendix 1: Organic solvent emissions activities	29
Section A1-1 - About your proposed organic solvent emissions activities	29
Section A1-2 - Hazard statements	31
Section A1-3 - VOC compliance	35
Appendix 2: Medium combustion plant (MCP).....	37
Section A2-1 - MCP details	38
Section A2-2 - Air emissions risk assessment	44
Section A2-3 - Aggregation details for new MCP	46
Appendix 3: Energy efficiency	47
Section A3-1 - Energy efficiency	48
Section A3-2 - Cost benefit analysis	48

If you would like this document in an accessible format, such as large print, audio recording or braille, please contact SEPA by emailing equalities@sepa.org.uk.

How to use this activity form

Use this form to apply for:

- A **new permit** for an industrial activity under the schedules listed below.
- A **variation of an existing permit** to add an industrial activity under the schedules listed below.

You can use this form to apply for the following EASR industrial activities:

- Schedule 26: Other emissions activities
- Schedule 28: Petrol vapour recovery activities (terminals only)
- Schedule 23: Organic solvent emissions activities
- Schedule 27: Operating a medium combustion plant (when combined with other emissions activities)

Additional information required

Please complete Sections 1 to 3 and Section 5 for all applications.

Complete Section 4 if SEPA has advised you to, or if you are applying to carry on a schedule 26 specialised activity listed in Section 4.

If your application includes 'organic solvent emissions activities' and/or 'medium combustion plant', also complete the relevant appendices of this form:

- Appendix 1: Organic solvent emissions activities (activities defined under schedule 23 of EASR)
- Appendix 2: Medium combustion plant (activities defined under schedule 27 of EASR)
- Appendix 3: Energy efficiency (activities defined under schedule 25 of EASR)

If you are applying for a medium combustion plant that is standalone and not associated with any other regulated activities, you must use the application form [P-IND-MCP](#) which is available on our website.

Before you apply

1. Check the [activity webpage](#) to ensure you are using the correct application form.
2. Read the guidance for the industrial activity you are applying for on the relevant activity specific page on our [website](#).
3. Where you see the term 'document reference', enter the document reference(s) for the information you have provided. These must be submitted along with the completed form.
4. For applications made with insufficient or inadequate information; we will return these to the applicant with an explanation of what additional information is required and may retain part of the application fee in accordance with our published charging scheme.

Multiple activities under a single permit

We may authorise multiple activities under a single permit, but only if the activities are connected. Activities may be considered connected if they are:

- Located at the same geographical location,
- Part of the same project, or
- Operationally linked.

If the activities are connected, you may apply for a variation of an existing permit to add new activities under one permit.

If the activities are not connected, you must submit a separate application for each activity.

How to apply

Digital application service:

The quickest and easiest way to [apply is via our digital application service](#) on our website.

You will need to upload:

1. Completed activity form(s), and
2. Any required supporting information.

Email/Post application:

If you cannot apply using our digital application service, you can complete and submit an application via email or by post.

- For **a new permit**, your application must include:
 1. A completed APP-GEN1 form
 2. Completed activity form(s)
 3. Any required supporting information
- For **a variation of a permit to add a new activity**, your application must include:
 1. A completed APP-GEN1 form
 2. Completed variation form(s)
 3. Completed activity form(s)
 4. Any required supporting information

Email and postal addresses for submitting your application are included in the APP-GEN1 form.

You can download [APP-GEN1, activity forms and variation forms](#) from our website.

Section 1 - Location of the activity

1.1 Location details

Please provide the following information about the location of the activity.

Table 1: Location details

Question	Answer
Location name	Mossend Cement Depot
Address	Mossend Railhead, Reema Road, Bellshill, Glasgow, Scotland
Postcode	ML4 1RR
National Grid Reference (NGR) (At least 2 letters followed by 8 digits, e.g. AB 1234 6789. You can use our SEPA NGR Tool to find your NGR.)	NS 74389 61002

1.2 Nuclear site licence

Is the proposed authorised place on a location for which a nuclear site licence is required under Section 1 of the Nuclear Installations Act 1965?

Yes ☐

No ☒

1.3 Site of Special Scientific Interest (SSSI), Special Area of Conservation (SAC), Special Protection Area (SPA) and RAMSAR sites

Use the [NatureScot website map](#) to check if your activity is located within or could impact an SSSI, SAC, SPA or a RAMSAR site, based on the screening distance in the screening distance table found on our [Air emissions risk assessment webpage](#).

If your activity falls within the screening distance or could affect any of these sites, please provide details in the table below.

Table 2: Designated sites details

Site name	Designation (e.g. SSSI, SAC, SPA)	Distance from the proposed authorised place (km)
Hamilton Low Parks	SSSI	3.8km South-West

Section 2 - About your proposed activities

2.1 Non-technical summary

Please provide a non-technical summary of your application, including:

1. A brief overview of the proposed activities.
2. A description of the processes that will be carried on.
3. The measures you will implement to control the main environmental emissions from the proposed authorised place.

This summary may be published on our website as part of the public consultation process.

Ensure it is written in simple and plain language so that all members of the public can clearly understand the details of your application.

Document reference

Breedon Environmental Permit Application, Supporting Information Document, Non-technical summary (Reference: Breedon SID Final for issue 29.09.26)

2.2 Industrial activity

Please provide details of all industrial activities you plan to carry on at the proposed authorised place in Table 3. Add more entries, if needed.

Activity description

Use the [activity webpages](#) to identify the activity you wish to apply for and enter the full industrial activity description in Table 3. If you are looking to add water, waste or schedule 20 emission activities, please use the relevant activity forms.

EASR reference

For each activity, provide the EASR schedule, chapter number, paragraph and sub-paragraph number. This information is available on the [activity webpages](#).

Activity capacity or throughput

Refer to [SEPA capacity/threshold guidance](#) and specify the activity capacity or throughput for each activity in Table 3. For example, for combustion activities provide the 'aggregated net thermal input'; for waste disposal activities provide the 'tonnes per day'.

Table 3: Industrial activities details

Industrial activity description	EASR reference	Activity capacity or throughput
Cement and cement clinker activities: including storing, batching, blending, bagging, manufacture of concrete blocks, grinding cement clinker, loading and unloading in bulk	Schedule 26, Part 3, paragraph 24 and 25	225,000 tonnes per year

2.3 Location Plan

Please provide a location plan showing the area where the activity will take place.

The location plan must:

1. Clearly outline and identify the boundary of the area where the activity will be carried on. Once authorised, this area will be known as the authorised place.
2. Limit the boundary of the proposed authorised place strictly to the extent of the activities.
3. Be based on an Ordnance Survey (OS) map.
4. Be clear and easy to read on an A4 page, avoiding unnecessary details.
5. Include a defined scale, the date it was created, a north direction indicator, and context such as roads and buildings.

Document reference

Breedon Environmental Permit Application, Supporting Information Document, Figure 1
(Reference: Breedon SID Final for issue 29.09.26)

2.4 Infrastructure plan

Please provide an infrastructure plan that clearly shows the layout of the proposed authorised place. The plan should include key features such as:

- Plant and equipment (including abatement)
- Storage areas (e.g. silos, bunded areas, tanks)
- Permeable and impermeable areas
- Buildings and enclosed areas
- Site drainage
- Emission and monitoring points

If the proposed authorised place is large or complex, it may be difficult to include all the information on a single plan. In this case, please provide separate plans for different aspects of the proposed authorised place, such as underground infrastructure, air emission points, water emission points, process flow, etc.

Document reference

Breedon Environmental Permit Application, Supporting Information Document, Figure 2
(Reference: Breedon SID Final for issue 29.09.26)

Section 3 - Technical description of your process

3.1 Process description

Please provide a detailed technical description of how you intend to operate the proposed activities, which should include:

1. Capacity, threshold or throughput of the activities.
2. A process flow chart.
3. Details of all processes that will be carried out.

Document reference

Breedon Environmental Permit Application, Supporting Information Document, Section 3 Process Description (Reference: Breedon SID Final for issue 29.09.26)

3.2 Emissions to air

3.2.1 Air emissions, control and monitoring

Please provide the following details about air emissions for the proposed authorised place:

1. **Likely air emissions:** list the likely air emissions from the proposed activity, including sources, concentrations and volumes. Include both fugitive and point source emissions of odour, dust and heat and any other relevant substances.
2. **Control, prevention and minimisation:** describe the measures, equipment, systems, or treatments (e.g. bag filters, scrubbers, carbon filters) that will be used to control, prevent, or minimise the likely air emissions from the proposed activity. Explain why these are the best options for the proposed activity.
3. **Monitoring arrangements:** provide details of the proposed methods for monitoring air emissions. Include environmental monitoring plans, frequency, measurement methodology, and evaluation procedures.

Document reference

Breedon Environmental Permit Application, Supporting Information Document, Section 4
(Reference: Breedon SID Final for issue 29.09.26)

3.2.2 Risk assessment

Please provide an assessment of the potential significant effects of any air emissions on human health and the environment. This should demonstrate that emissions to air will not harm the environment, human health, or designated conservation sites (e.g. SSSI, SAC, SPA) and that they comply with emission limits outlined in the relevant [Process Guidance notes](#) or other guidance.

If there is evidence of potential harm, especially near sensitive receptors, a risk assessment and/or modelling may be required, in accordance with our guidance on [air emission risk assessments](#).

Document reference

Breedon Environmental Permit Application, Supporting Information Document, Section 11 (Reference: Breedon SID Final for issue 29.09.26)

3.2.3 Emission points to air

If emissions to air are only from a Medium Combustion Plant, skip this Section 3.2.3 and complete the rest of the form, including Appendix 2: Medium Combustion Plant.

If you are using a stack to release emissions, please provide evidence that the following minimum requirements have been met:

1. For a stack located on a building, the stack height is greater than or equal to 3 metres above the building's roof ridge height; or
2. For a stack located separately to any building, the stack height is greater than or equal to 3 metres above the ground; and
3. All stacks should be at least the same height of any building located within a distance of five times the uncorrected stack height (the stack height in points 1 or 2).
4. The target exit velocity should be at least 15 m/sec under normal operating conditions.

Document reference

The main point source emission to air from the proposed activities will be particulates from the storage of cement in silos via the dust filtration unit. There will be no release of emissions from a stack.

3.3 Emissions to water

Is your activity producing effluent to be discharged into the water environment?

Yes ☐

No ☒

If 'Yes', you will need to complete and submit a separate activity form for this discharge, unless you are applying to carry on a schedule 26 specialised activities listed in Section 4 of this form, or SEPA have advised you to complete Section 4 of this form.

Activity forms are available on the relevant activity specific page on our [website](#).

Please provide the relevant document reference here.

Document reference

N/A

3.4 Resources and waste

Please provide the following details about resources and waste for the proposed activity.

1. **Resources required:** List the resources required by the proposed activity, including raw and auxiliary materials, fuel, water, energy, and other substances, along with any waste likely to be produced by the activity.
2. **Storage measures:** Explain how resources and waste will be stored safely and in a manner that minimises dust, odour and vermin (where applicable). Include details such as quantities, tank sizes, and bund capacities.
3. **Sustainability and waste management:** Describe how resources will be used sustainably and how waste will be managed in line with the waste hierarchy.

Document reference

Breton Environmental Permit Application, Supporting Information Document, Section 7 and Section 8 (Reference: Breton SID Final for issue 29.09.26)

3.5 Management and accident prevention

3.5.1 Management techniques and systems

Please describe the environmental management system you intend to implement to manage, monitor and control your environmental issues and maintain efficiency. Please indicate whether you intend to certify the management system.

Document reference

Breedon Environmental Permit Application, Supporting Information Document, Section 6 (Reference: Breedon SID Final for issue 29.09.26)

3.5.2 Odour management plan

If the proposed activity has the potential to generate offensive odours, please provide an odour management plan (OMP). Please refer to our [Odour Guidance](#) for more details on managing and controlling odour emissions. An OMP template is available with our Odour Guidance.

Document reference

N/A - There will be no odorous emissions associated with the activities on site.

3.5.3 Maintenance, accident prevention, and staff training

Please provide the following details about maintenance, accident prevention, and staff training:

1. The proposed maintenance programme for the proposed authorised place.
2. How accidents will be minimised, and the actions that will be taken to reduce the environmental consequences of accidents on the proposed authorised place.
3. The environmental training programme that will be implemented for staff.

Document reference

Breedon Environmental Permit Application, Supporting Information Document, Section 6.1
(Reference: Breedon SID Final for issue 29.09.26)

Section 4 - Schedule 26 specialised activities

Complete this section if SEPA has advised you to, or if you are applying to carry on any of the following schedule 26 specialised activities:

- Thermal treatment of carbon fuels for charcoal or treatment of fuels
- Loading, storage or treatment of crude oil or stabilised crude petroleum
- Purifying, refining or conversion of mineral oil and gas, coke, coal or other fuels
- Loading, handling and storage of iron ore
- Casting foundry
- Producing, melting or refining iron or steel or alloys
- Producing, melting or recovering cadmium, mercury or their alloys
- Melting, refining and casting foundry more than 5 tonnes
- Processes emitting cadmium
- Removing asbestos from railway vehicles
- Manufacturing cellulose fibre reinforced calcium silicate board
- Halogen production
- Release of hydrogen halides
- Use or release of hydrogen cyanide or hydrogen sulphide
- Processes using mutagenic elements or their compounds
- Activity which may result in the release into the air of any acid forming oxide of nitrogen
- Recovery of, or production using, cadmium, mercury or their compounds
- Processes that may release ammonia to air
- Distilling or heating tar or bitumen
- Tyre manufacturing using raw materials

Further information can be found on the [activity webpages](#).

Best Available Techniques

To issue an industrial activities permit, SEPA must be confident that you will operate the proposed authorised place in compliance with the permit conditions.

This includes using Best Available Techniques (BAT), which are a combination of methods, equipment, training, and practices designed to prevent or, where prevention is not possible, reduce emissions from the proposed authorised place.

BAT guidance is available from several sources:

- The relevant BAT Reference (BRef) documents for your sector on the European IPPC Bureau website and UK BAT (once developed). If available, you must comply with associated BAT conclusions (BAT-C) and the emission limits associated with BAT (BAT-AELs) for your sector.
- Horizontal/cross-sector BRef notes (e.g. Energy Efficiency and Emissions from Storage) on the European IPPC Bureau website.
- [Process Guidance notes](#) for your sector.
- [Industrial activities practical guide for EASR schedules 20 and 26 activities](#) which provides an overview of industrial activities requirements.
- [Industrial activities webpages](#), which cover topics like site reports, monitoring, noise, odour, best available techniques, and sector-specific guidance.
- If you will be carrying on waste management activities, visit our [waste activity webpages](#) for guidance.
- If your activity involves discharges to water, BAT-AELs are in the relevant BAT-C and BRefs, with additional information, including water quality standards, on our [water activity webpages](#).
- [CIRIA](#) Construction Standards, particularly for bunding and sustainable urban drainage systems (SuDS).

4.1 Emissions to water

In assessing your water emissions, you must take account of BAT-C and environmental quality standards (EQS) and any relevant EASR general binding rules (GBRs). In addition, if you are proposing to use SuDS you should also reference the relevant [CIRIA](#) guidance.

4.1.1 Water emissions, control and monitoring

Please provide the following details about water emissions for the proposed authorised place:

1. **Likely water emissions:** list the likely emissions from the proposed activity to the water environment (this includes groundwater and surface water), including sources, composition, concentrations and volumes released and identify the discharge location and fate and behaviour in the environment. Include both fugitive and point source emissions.
2. **Priority Hazardous Substance:** provide details of all priority hazardous substances and priority substances in the Water Framework Directive to be used at the proposed authorised place.
3. **Control, prevention and minimisation:** describe the measures, equipment, systems, or treatments that will be used to control, prevent, or minimise the likely water emissions from the proposed activity. Explain why these are the best options for the proposed activity.
4. **Monitoring arrangements:** provide details of the proposed methods for monitoring water emissions. Include environmental monitoring plans, frequency, measurement methodology, and evaluation procedures.

Document reference

N/A

4.1.2 Indirect discharges, including emissions to the sewer network

Wastewater emissions can be either direct or indirect:

- Direct emissions occur when wastewater is released directly to the receiving environment.
- Indirect emissions occur when wastewater is discharged to another treatment facility.
Discharges to a sewage treatment works are always considered indirect from the proposed activity.

Please provide the following:

1. Evidence that the pollutant concentration in your indirect discharge will be reduced at the downstream treatment facility by an appropriate percentage, ensuring that the final discharge to the waterbody is within the relevant BAT-AEL range:
 - If the BAT-C for your activity specify BAT-AELs for indirect emissions, demonstrate that the emissions from the proposed activity will be within the relevant BAT-AEL range(s).
 - If the BAT-C for your activity does not specify BAT-AELs for indirect emissions, use the published BAT-AELs for direct emissions (as outlined in the UK cross cutting interpretational guidance) and demonstrate that an equivalent level will be met at the final discharge to the waterbody.
2. Confirmation that you have a trade effluent agreement or agreement in principle from the service provider.

Document reference

N/A - The site activities do not generate process water or trade effluent and therefore there will be no point source emissions to water, sewer or land and groundwater from the site.

4.1.3 Risk assessment

Please provide an assessment of the potential significant effects of any water emissions on human health and the environment. This should demonstrate that emissions to water will not harm the environment, human health, or designated conservation sites (e.g. SSSI, SAC, SPA) and that they comply with emission limits outlined in the relevant [Process Guidance notes](#) or [BRef or BAT-C](#).

If there is evidence of potential harm, especially near sensitive receptors, a risk assessment and/or modelling may be required, such as H1, WAT-G-069, discharge impact modelling.

Where required, you must submit detailed water modelling to support your application.

Document reference

N/A

4.1.4 Water abstraction

Do you intend to abstract water?

Yes ☐

No ☒

If you intend to abstract water from surface water, groundwater, coastal or transitional water you also need to complete and submit the relevant water activity form. Activity forms are available on the relevant activity specific page on our [website](#).

Document reference

N/A

4.2 Noise emissions

Please provide the following information on noise emissions from the proposed activity:

- 1. A plan which clearly identifies the main sources of noise and vibration (including infrequent and tonal sources) and the nearest noise sensitive locations.
- 2. A detailed environmental noise assessment (BS 4142) and the proposed techniques and measures for control of noise. Please demonstrate how these proposals constitute BAT and justify your proposals against any relevant BAT-C or guidance.
- 3. If the proposed activity has potential to have a noise impact on nearby noise sensitive receptors, please provide a noise management plan.

Document reference
N/A

4.3 Compliance with Best Available Techniques

Please provide a systematic assessment of your activity to demonstrate that your proposed authorised place will be designed, operated and maintained in accordance with BAT. You should confirm that the emissions from your proposed activity will comply with the BAT-AELs and explain how you will demonstrate this.

This should include:

- A list of all relevant BAT-C, BRef, or other technical guidance.
- A statement of whether your proposed activity can meet the requirements of each BAT-C, BRef, or technical guidance.
- A summary of how you plan to meet standards outlined in the relevant BAT-C, BRef, or technical guidance.
- A reference to where you’ve provided further evidence showing how you comply with each relevant BAT-C or standard.

Information required to produce the assessment will overlap with other parts of the application. To avoid duplication, you may refer to the relevant sections.

Document reference
N/A

4.4 Site and baseline report

Before completing this section, please review [SEPA's site and baseline report guidance](#).

4.4.1 Site report

Please provide a site report describing the condition of the proposed authorised place.

The site report should include:

- A description of the substances that will be used, produced, stored, or released at the proposed authorised place.
- The condition of the proposed authorised place and infrastructure to prevent emissions to soil and groundwater, or the proposed containment standards.
- The current state of the soil and groundwater, considering the historical land use and the substances that will be used on the proposed authorised place.

Document reference

N/A

4.4.2 Baseline report

A baseline report is required if there is a risk of contamination to soil and groundwater from the Relevant Hazardous Substances (RHS) that will be used, produced, stored, or released by the proposed authorised activity. The baseline report should provide a quantified statement of the current condition of the soil and groundwater, focusing on the RHS and any other substances that may pose a risk of pollution.

If you are using RHS at the proposed authorised place, you will be required to carry out periodic monitoring of the soil and groundwater throughout the life of the permit. SEPA will use information from the site and baseline report and the application to determine the monitoring requirements.

Where required, please provide a baseline report.

Document reference

N/A

4.4.3 Baseline report waiver agreement

If you have not provided a baseline report, have SEPA agreed a waiver to the requirement to produce a baseline report?

Yes ☐

No ☒

If 'Yes', please provide a copy of the waiver agreement.

Document reference
N/A

Section 5 - Any other information

If you have any additional information to support your application, please provide details in a separate document.

Document reference
Breedon Environmental Permit Application, Supporting Information Document (Reference: Breedon SID Final for issue 29.09.26)

Appendices for additional information

To help us fully assess your application, additional information is required under EASR for the activities listed below. Please complete the relevant appendix for your activity, if applicable:

- Appendix 1: Organic solvent emissions activities**
For activities defined under schedule 23 of EASR.
- Appendix 2: Medium combustion plant**
For activities defined under schedule 27 of EASR.
- Appendix 3: Energy efficiency**
For activities defined under schedule 25 of EASR.

Appendix 1: Organic solvent emissions activities

Complete Appendix 1 if you intend to carry on organic solvent emissions activities, as defined under schedule 23 of EASR.

Information and guidance on [organic solvent emissions activities](#) is available on our website.

Section A1-1 - About your proposed organic solvent emissions activities

A1-1.1 Organic solvent emissions activities

Please list all organic solvent emissions activities and calculate the annual organic solvent consumption for each activity.

Table A1-1: Organic solvent emissions activities details

Organic solvent emissions activities	Annual organic solvent consumption (tonnes/year)

A1-1.2 Directly Associated Activities (DAAs)

Please list any Directly Associated Activities (DAAs) you plan to carry on at the proposed authorised place that:

1. are technically connected to the proposed organic solvent emissions activities, and
2. could have an effect on the organic solvent emissions from the activities into the environment (e.g. change, increase, or decrease the VOCs emissions).

If the DAA involves the use of organic solvents, please calculate the annual organic solvent consumption.

Table A1-2: DAA details

Directly Associated Activities (DAAs)	Annual organic solvent consumption (tonnes/year) (if applicable)

A1-1.3 Total annual organic solvent consumption

Please provide below the total annual organic solvent consumption (in tonnes/year) combining both the organic solvent emissions activities and directly associated activities.

Total annual organic solvent consumption

Section A1-2 - Hazard statements

If you use designated hazardous materials, especially volatile organic compounds (VOCs) and halogenated VOCs (listed below), you must either:

- replace them, or
- control, contain, and limit their use.

Where these substances are in use, you must comply with the relevant emission limits.

The hazard statements for VOCs include:

- H340 - May cause genetic defect
- H350 - May cause cancer
- H350i - May cause cancer by inhalation
- H360D - May damage the unborn child
- H360F - May damage fertility

The hazard statements for halogenated VOCs include:

- H341 - Suspected of causing genetic defects
- H351 - Suspected of causing cancer

If you do not use any substances labelled with the above hazard statements, please proceed to Section A1-3 VOC compliance routes.

A1-2.1 Substances and preparations

Please provide the details in Table A1-3 for each substance or preparation used, or planned for use, that has the hazard statements listed above:

Table A1-3: Substances and preparations details

Substance or preparation name	Hazard statement	Annual substance consumption (tonnes/year)

Please provide the Material Safety Data Sheet (MSDS) separately for each substance or preparation listed in the table above and include the corresponding MSDS document reference below.

Table A1-4: Material Safety Data Sheet (MSDS)

Substance/preparation name	MSDS Document reference

A1-2.2 Substances and preparations substitution assessment

Please assess whether any substances or preparations listed in Table A1-3 can be replaced with a safer alternative and provide details below. You do not need to assess substances or preparations with hazard statements H341 or H351.

Table A1-5: Proposed substitutions for substances or preparations details

Substance or preparation name	Hazard statement	Proposed substitution date	Substitute substance or preparation name

Please provide the Material Safety Data Sheet (MSDS) separately for each proposed substitute substance or preparation and include the corresponding MSDS document reference below.

Table A1-6: Material Safety Data Sheet (MSDS)

Substitute substance/preparation name	MSDS Document reference

A1-2.3 Justification for not replacing substances or preparations

If you do not plan to implement a substitution programme, please provide a detailed explanation of why any substance or preparation listed in Table A1-3 cannot be replaced. Consider factors like human health, environmental impact, suitability, and the costs and benefits of alternatives.

Document reference

A1-2.4 VOCs discharge and emission compliance

Please identify where volatile organic compounds (VOCs) are discharged from the proposed activities and meet the following criteria:

1. Assigned or required to carry hazard statements H340, H350, H350i, H360D, or H360F.
2. The mass emission of these compounds is greater than, or equal to, 10 g/h.

If any VOCs are identified, please also explain how you will ensure that the emissions at the waste gas discharge point meet the 2 mg/m³ emission limit specified in EASR.

Document reference

A1-2.5 Halogenated VOCs discharge and emission compliance

Please identify where halogenated VOCs are discharged from the proposed activities and meet the following criteria:

1. Assigned the hazard statements H341 and/or H351.
2. The mass emission of these compounds is greater than or equal to 100 g/h.

If any halogenated VOCs are identified, please also explain how you will ensure that the emissions at the waste gas discharge point meet the 20 mg/m³ emission limit specified in EASR.

Document reference

Section A1-3 - VOC compliance

A1-3.1 VOC compliance route

For each organic solvent emissions activity, you must demonstrate compliance with EASR by selecting one of three VOC compliance routes and submitting a solvent management plan. Please note that not all compliance routes are available for each activity. To find out which routes apply to your specific activity, please consult the relevant [Process Guidance notes \(PG notes\)](#) for your activity.

Please select the VOC compliance route you plan to use by ticking the appropriate box, and then complete the relevant sections.

1. **Meet an Emission Limit Value (ELV) for VOCs in waste gases and a fugitive ELV.**

☐

(complete Section A1-3.2)

2. **Meet a total Emission Limit Value (ELV) for VOCs.**

☐

(e.g. solvent emissions per unit product)

(complete Section A1-3.2)

3. **Implement a solvent reduction scheme to reduce VOC emissions.**

☐

(complete Section A1-3.3)

A1-3.2 Demonstrating compliance with emission limits

Please provide information on how the Emission Limit Values (ELVs) of EASR will be met for:

1. VOCs mentioned above.
2. Halogenated VOCs that are assigned or need to carry the hazard statements H341 and H351, and that will be used at the proposed authorised place.

Document reference

A1-3.3 Solvent reduction scheme

Please provide details of any solvent reduction scheme for the proposed activity.

This should include:

1. An overview of the proposed scheme.
2. How you plan to achieve compliance with the scheme.
3. Relevant timelines for implementation.

Document reference

Appendix 2: Medium combustion plant (MCP)

Complete Appendix 2 if you intend to operate MCP(s), as defined under schedule 27 of EASR (such as a boiler, engine, or turbine) with a net rated thermal input equal to or greater than 1 megawatt (MW) and less than 50 MW, in addition to other emission activities.

If the total net rated thermal input is 50 MW or more, you will need to apply for a Schedule 20 combustion plant activity.

The information in this appendix will be used to assess your application and establish appropriate emissions limits for your MCP.

Excluded activities

Some activities do not need an MCP authorisation.

EASR lists a number of excluded activities, including but not limited to:

- Combustion plant used to propel a vehicle, ship or aircraft
- Turbines and engines used on offshore platforms
- Some driers
- Thermal oxidisers

For the full list of excluded activities, please check the [activity webpage](#).

Section A2-1 - MCP details

A2-1.1 MCP specifications

Please provide the details requested in Table A2-1 for each MCP.

Each MCP must have a unique plant number (Plant No.) and be listed separately. If you need to include additional plants, please use a separate sheet.

When completing Table A2-1 please use the following descriptions of plant and fuel:

Type of plant*:

- Diesel engine
- Gas turbine
- Dual fuel engine
- Other engine
- Other medium combustion plant

Type of fuel**:

- Solid biomass
- Other solid fuels (e.g. coal, waste-derived fuel; please specify the type)
- Gas oil
- Liquid fuel other than gas oil (e.g. biodiesel; please specify the type)
- Natural gas
- Gaseous fuels other than natural gas (e.g. biogas, propane; please specify the type)

Table A2-1: Medium combustion plant(s) details

Plant no. (1,2,3, etc.)	Manufacturer (make, model and serial number)	Type of Plant*	Start date of operation	Expected annual operating hours	Average load in use	Rated thermal input (MW)	Type of fuel**	Thermal input of each fuel if mixed (MW)

A2-1.2 Total rated thermal input (RTI)

Please provide the total rated thermal input for all MCP equal to or greater than 1 MW and less than 50 MW at the proposed authorised place.

Document reference**A2-1.3 Reduced or restricted RTI**

If you are applying for plant(s) with restricted or reduced RTI, please provide your calculations or proposed restriction method.

Refer to [SEPA capacity and threshold guidance](#) for more information.

Document reference**A2-1.4 Existing plant**

If your existing plant was put into operation on or before 20 December 2018, please provide evidence below. Use the plant number from Table A2-1 to identify which plant you are referring to.

Document reference

A2-1.5 Secondary abatement

If applicable, please provide details of secondary abatement equipment fitted for each MCP. Describe the equipment, systems, or treatments that will be used to control, prevent, or minimise the likely air emissions from the MCP. Explain why these are the best options. Use the plant number from Table A2-1 to identify which plant you are referring to.

Document reference

A2-1.6 Other processes

If applicable, please provide details of any other processes or activities that will be carried on at the proposed authorised place and are associated with or support the operation of the MCP. For example, waste handling, energy recovery, onsite fuel processing, backup fuel, chemical or fuel storage.

Document reference

A2-1.7 Emission limit values (ELV) exemptions

A2-1.7.1 ELV exemptions

Some MCP may be exempt from complying with emission limit values (ELVs).

EASR lists a number of exemptions, including but not limited to:

- MCP operating under a certain number of hours
- MCP using biomass as its main fuel
- MCP serving a public district heating network

For the full list of exemptions, please check the [activity webpage](#).

If your MCP is exempt from complying with ELVs, please provide details.

Document reference

A2-1.7.2 Plant operating less than 500 hours per year

You may request an exemption from compliance with the ELVs for:

- Existing plant (put into operation on or before 20 December 2018) that will not be operated for more than 500 hours per year (calculated as a rolling average over a period of 5 years).
- New plant (put into operation after 20 December 2018) that will not be operated for more than 500 hours per year (calculated as a rolling average over a period of 3 years).

If you would like to request an exemption from compliance with the ELVs and you are declaring that your plant(s) will operate for 500 hours or less per year, please provide the corresponding plant number(s) from Table A2-1 below.

Plant number(s)

Note: You are declaring that your plant(s) will operate for 500 hours or less per year.

A2-1.8 Standard Industry Classification (SIC)

The SIC system categorises businesses by industry sector in the UK. Your SIC code helps us understand the primary nature of your business. You can find the right SIC code using online search tools, such as the one available on Companies House website.

SIC code

Section A2-2 - Air emissions risk assessment

A2-2.1 Habitats impact and human health assessment

In Section 3.2 of this form, you should have already provided an air emissions inventory and demonstrated that your emissions to air will not cause significant harm to the environment, human health, or designated sites in accordance with our guidance on [air emission risk assessments](#).

Please provide the document references for these assessments.

Document reference

A2-2.2 Stack assessment

To assess your application in accordance with The Conservation (Natural Habitats, &c.) Regulations 1994 (the Habitats Regulations), please complete Table A2-2 with the required details for each stack.

When completing the table, please assume the following:

- SO₂ emissions are 0 (zero) for natural gas, gas oil, biomass, and hydrotreated vegetable oil.
- For both SO₂ and NO_x emission rates, provide the values in one of the following units: tonnes/year, kg/day, or grams/sec.

Table A2-2: Stack(s) details

Plant no. (as per Table A2-1)	National Grid Reference (NGR)	Inner diameter (m)	Gas temperature (°C)	Gas velocity (m/sec)	SO₂ emission rate (tonnes/year, kg/day, grams/sec)	NO_x emission rate (tonnes/year, kg/day, grams/sec)	Stack height above ground (m)	Stack height above roof ridge (m)

Section A2-3 - Aggregation details for new MCP

If you are applying to authorise two or more new MCPs, they may be combined and considered as a single plant if the waste gases are discharged through a common discharge point, such as a stack. This approach can help improve the dispersion of emissions.

Do you intend to discharge waste gases through a common stack?

Yes ☐

No ☐

- If 'Yes', please submit a map showing the location of each MCP and all discharge points (e.g. stacks).

Document reference

- If 'No', please provide technical and economic justification explaining why discharging through a common stack is not feasible.

Document reference

Appendix 3: Energy efficiency

Complete this appendix if the requirements of schedule 25 apply to your activity.

You **do not** need to complete this appendix if:

- the activity is excluded by paragraph 3 of schedule 25,
- the activity began before 30 October 2014, or
- the plant or installation was substantially refurbished before 30 October 2014.

Schedule 25 applies to the activities listed below where:

- they generate electricity and have a rated thermal input exceeding 20 MW; or
- when one or more of these activities is operated at the same place and have a total rated thermal input exceeding 20 MW.

The activities are:

- Operating a large combustion plant.
- Waste incineration or waste co-incineration at a waste incineration plant or waste co-incineration plant.
- Operating a medium combustion plant.
- Burning any fuel in combustion plants which generate electricity on the same site with an aggregated rated thermal input of 1 MW or more as described in paragraph 1 of chapter 1 of part 3 of schedule 26 of EASR.

Schedule 25 also applies to industrial emissions activities or other emissions activities with a rated thermal input exceeding 20 MW, which:

- generate waste heat at a useful temperature level, or
- form part of a new or existing district heating or cooling network.

The appropriate energy efficiency application fee should be incorporated into your total application fee. Please see our charging scheme for further information.

Before completing the form, please contact our permitting team for our most recent guidance on energy efficiency cost benefit analysis which will explain the methodology to be applied.

Section A3-1 - Energy efficiency

Does schedule 25 apply to your activity?

Yes ☐

No ☒

If 'Yes', please provide full information in a separate document.

If 'No', please specify which exemption criteria apply to your activity.

Document reference

The activity is not a Schedule 25 specified activity.

Section A3-2 - Cost benefit analysis

A3-2.1 Cost benefit analysis

Has a comprehensive national assessment and any associated cost benefit analysis demonstrated that a site-specific cost benefit is unlikely to be positive?

Yes ☐

No ☐

If 'Yes', please provide details.

If 'No', please supply a completed comprehensive cost benefit analysis in accordance with schedule 25, part 2 of EASR.

Document reference

A3-2.2 Opportunities for cogeneration or district heating

Please supply results of your own search for opportunities for high efficiency cogeneration or district heating.

Document reference**A3-2.3 Potential heat loads**

Please supply any evidence of discussions with operators of potential heat loads which could be supplied.

Document reference**A3-2.4 Heat availability or requirements at the proposed authorised place**

Please supply any technical detail on the amount and type of heat available from/required by the proposed authorised place.

Document reference**A3-2.5 Heat availability or requirements at potential heat loads or sources**

Please supply any technical details on the amount and type of heat required by or available from potential heat loads or sources.

Document reference

A3-2.6 High-efficiency co-generation calculations

Please supply high-efficiency co-generation calculations.

Document reference**A3-2.7 Plan to implement the scheme**

If the cost benefit analysis shows a positive result (i.e. the financial benefits are greater than the costs), provide a plan to implement the scheme, with justification and any supporting information. Include a discussion on any sensitivity analysis used.

Document reference