

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Noble Foods Co
Seamer Animal Feed Mill
The Mill
Seamer Hill
Seamer
Middlesbrough
Cleveland
TS9 5NQ

Variation application number

EPR/CP3137RR/V002

Permit number

EPR/CP3137RR

Seamer Animal Feed Mill

Permit number EPR/CP3137RR

Introductory note

This introductory note does not form a part of the notice

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

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

This consolidated permit has been issued following a full review against the best available techniques (BAT) conclusions for the Food, Drink and Milk Industries published on 4th December 2019 in the official journal of the European Union.

We have implemented the requirements of the Medium Combustion Plant directive and incorporated post-dated requirements for 2030.

The schedules specify the changes made to the permit.

Seamer Mill processes raw materials into meal, crumb and pellet feed using two process lines to form compound animal feed which is suitable for consumption without further processing. Different products are produced on a batch basis and are based upon a core recipe of cereals (such as wheat and barley) and other natural ingredients (such as soya, rapeseed and sugar beet), plus specific additives, such as mineral supplements and a small proportion of medicants before being coated with fats to produce the final product.

Solid raw materials are typically weighted prior to grinding in an electric grinder to form a uniform grit size, before being mixed in a horizontal batch mixer. At the mixing stage liquid raw materials are added. Some mixed product is extracted at this stage as meal. Alternatively, the product is conditioned with steam generated from the onsite boiler and then pressed into pellets. The pellets are then cooled by a counter air cooler. Cooled pellets may be fed past a fine spray of warm vegetable oil to give them a fat coating before being tumbled in a mixing screw. Some products may be crumbed before being coated in fats. The finished product is then stored prior to being automatically loaded to bulk vehicles for delivery to customers on an as required basis.

The production capacity is 426 tonnes per day. The installation operates 24 hours per day, for 7 days per week.

The Environmental Permit is for the main listed activity falling under Section 6.8 Part A(1)(d)(ii) of the Environmental Permitting Regulations: *Treatment and processing of only vegetable raw materials, for the intended production of animal feed, at a plant with a finished product capacity greater than 300 tonnes per day.*

The main emissions to air arise from the raw material grinder (A1) and the pellet cooler (A2). The site also has emissions from a 0.91 MWth boiler to produce steam for the process. The boiler is dual fuelled and can operate on either by liquefied petroleum gas (LPG) or industrial heating oil (IHO) if the LPG supply is interrupted. LPG for the boiler fuel is also stored in the yard. Due to the size of the boiler (<1MW) the boiler isn't considered to be a medium combustion plant, as such no limits for emissions have been included in the permit.

The main emissions to water arise from the discharge of uncontaminated site drainage and boiler blowdown via emission point W1 to a tributary of the River Tame.

The installation is located outside the village of Seamer, Middlesbrough and centred on National Grid Reference NZ 50321 09476. The immediate surrounding area comprises of commercial and industrial premises, the nearest residential receptor is located adjacent to the site's western boundary, approximately 35m from the Mill building. The village of seamer is approx. 700m to the north west of the installation.

The Yorkshire Moor Special Area of Conservation (SAC) and Special Protection Area (SPA) is located approximately 6.5km to the south east.

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

Status log of the permit		
Description	Date	Comments
Application EPR/CP3137RR/A001	Duly made 22/02/2016	Application for an existing Animal Feed Mill, as the result of the Industrial Emissions Directive.
Additional information received	11/09/2017	Response to a schedule 5 notice.
Additional information received	19/09/2017	Response to a schedule 5 notice.
Permit determined EPR/CP3137RR	18/01/2018	Permit issued to Noble Foods Co.
Application EPR/CP3137RR/V002 (variation and consolidation)	Regulation 61 Notice response received 30/07/2021	Environment Agency initiated variation and consolidation following the Food, Drink & Milk Industries sector permit review.
Request for further information dated 04/03/2022	Response received 05/05/2022	Further information regarding <ul style="list-style-type: none"> • BATc 1, 2, 3, 5, 6, 7, 8, 10 & 11 • Site Condition Baseline assessment • Baseline Reporting Tool
Variation determined and consolidation issued EPR/CP3137RR (Billing ref. QP3308MG).	14/07/2022	Varied and consolidated permit issued in modern format

Other Part A installation permits relating to this installation		
Operator	Permit number	Date of issue
Noble Foods Limited	EPR/SP3331MJ	08/02/2008
Noble Foods Co	EPR/DB3196EG	30/10/2015

End of introductory note

Notice of variation and consolidation

The Environmental Permitting (England and Wales) Regulations 2016

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

Permit number

EPR/CP3137RR

Issued to

Noble Foods Co (“the operator”)

whose registered office is

**PO BOX 155
Mill Court
La Charroterie
St Peters Port
Guernsey
GY1 4ET**

company registration number FC032621

**Cotswold Farm
Standlake
Witney
Oxfordshire
OX29 7RB**

and UK establishment number is BR017696

to operate a regulated facility at

**Seamer Animal Feed Mill
The Mill
Seamer Hill
Seamer
Middlesbrough
Cleveland
TS9 5NQ**

to the extent set out in the schedules.

The notice shall take effect from 14/07/2022.

Name	Date
M Bischer	14/07/2022

Authorised on behalf of the Environment Agency

Schedule 1

All conditions have been varied by the consolidated permit as a result of an Environment Agency initiated variation.

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/CP3137RR

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/CP3137RR/V002 authorising,

Noble Foods Co (“the operator”),

whose registered office is

PO BOX 155

Mill Court

La Charroterie

St Peters Port

Guernsey

GY1 4ET

company registration number FC032621

whose UK establishment address is

Cotswold Farm

Standlake

Witney

Oxfordshire

OX29 7RB

and UK establishment number is BR017696

to operate an installation at

Seamer Animal Feed Mill

The Mill

Seamer Hill

Seamer

Middlesbrough

Cleveland

TS9 5NQ

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

Name	Date
M Bischer	14/07/2022

Authorised on behalf of the Environment Agency

Conditions

1 Management

1.1 General management

1.1.1 The operator shall manage and operate the activities:

- (a) in accordance with a written management system that identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents, non-conformances, closure and those drawn to the attention of the operator as a result of complaints; and
- (b) using sufficient competent persons and resources.

1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.

1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of it kept at or near the place where those duties are carried out.

1.2 Energy efficiency

1.2.1 The operator shall:

- (a) take appropriate measures to ensure that energy is used efficiently in the activities;
- (b) review and record at least every four years whether there are suitable opportunities to improve the energy efficiency of the activities; and
- (c) take any further appropriate measures identified by a review.

1.3 Efficient use of raw materials

1.3.1 The operator shall:

- (a) take appropriate measures to ensure that raw materials and water are used efficiently in the activities;
- (b) maintain records of raw materials and water used in the activities;
- (c) review and record at least every four years whether there are suitable alternative materials that could reduce environmental impact or opportunities to improve the efficiency of raw material and water use; and
- (d) take any further appropriate measures identified by a review.

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

1.4.1 The operator shall take appropriate measures to ensure that:

- (a) the waste hierarchy referred to in Article 4 of the Waste Framework Directive is applied to the generation of waste by the activities; and
- (b) any waste generated by the activities is treated in accordance with the waste hierarchy referred to in Article 4 of the Waste Framework Directive; and
- (c) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.

1.4.2 The operator shall review and record at least every four years whether changes to those measures should be made and take any further appropriate measures identified by a review.

2 Operations

2.1 Permitted activities

2.1.1 The operator is only authorised to carry out the activities specified in schedule 1 table S1.1 (the “activities”).

2.2 The site

2.2.1 The activities shall not extend beyond the site, being the land shown edged in green on the site plan at schedule 7 to this permit.

2.3 Operating techniques

2.3.1 The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by the Environment Agency.

2.3.2 If notified by the Environment Agency that the activities are giving rise to pollution, the operator shall submit to the Environment Agency for approval within the period specified, a revision of any plan or other documentation (“plan”) specified in schedule 1, table S1.2 or otherwise required under this permit which identifies and minimises the risks of pollution relevant to that plan, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by the Environment Agency.

2.3.3 Any raw materials or fuels listed in schedule 2 table S2.1 shall conform to the specifications set out in that table.

2.3.4 The operator shall ensure that where waste produced by the activities is sent to a relevant waste operation, that operation is provided with the following information, prior to the receipt of the waste:

- (a) the nature of the process producing the waste;
- (b) the composition of the waste;
- (c) the handling requirements of the waste;
- (d) the hazardous property associated with the waste, if applicable; and
- (e) the waste code of the waste.

2.3.5 The operator shall ensure that where waste produced by the activities is sent to a landfill site, it meets the waste acceptance criteria for that landfill.

2.4 Improvement programme

2.4.1 The operator shall complete the improvements specified in schedule 1 table S1.3 by the date specified in that table unless otherwise agreed in writing by the Environment Agency.

2.4.2 Except in the case of an improvement which consists only of a submission to the Environment Agency, the operator shall notify the Environment Agency within 14 days of completion of each improvement.

3 Emissions and monitoring

3.1 Emissions to water, air or land

3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3 tables S3.1 and S3.2.

- 3.1.2 The limits given in schedule 3 shall not be exceeded.
- 3.1.3 Periodic monitoring shall be carried out at least once every 5 years for groundwater and 10 years for soil, unless such monitoring is based on a systematic appraisal of the risk of contamination.

3.2 Emissions of substances not controlled by emission limits

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

3.3 Odour

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

3.4 Noise and vibration

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

3.5 Monitoring

- 3.5.1 The operator shall, unless otherwise agreed in writing by the Environment Agency, undertake the monitoring specified in the following tables in schedule 3 to this permit:
- (a) point source emissions specified in tables S3.1 and S3.2.
- 3.5.2 The operator shall maintain records of all monitoring required by this permit including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.
- 3.5.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.5.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by the Environment Agency.
- 3.5.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 3 tables S3.1 and S3.2 unless otherwise agreed in writing by the Environment Agency.

3.6 Pests

- 3.6.1 The activities shall not give rise to the presence of pests which are likely to cause pollution, hazard or annoyance outside the boundary of the site. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved pests management plan, have been taken to prevent or where that is not practicable, to minimise the presence of pests on the site.
- 3.6.2 The operator shall:
- (a) if notified by the Environment Agency, submit to the Environment Agency for approval within the period specified, a pests management plan which identifies and minimises risks of pollution from pests;
 - (b) implement the pests management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

4 Information

4.1 Records

- 4.1.1 All records required to be made by this permit shall:
- (a) be legible;
 - (b) be made as soon as reasonably practicable;
 - (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and
 - (d) be retained, unless otherwise agreed in writing by the Environment Agency, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:
 - (i) off-site environmental effects; and
 - (ii) matters which affect the condition of the land and groundwater.
- 4.1.2 The operator shall keep on site all records, plans and the management system required to be maintained by this permit, unless otherwise agreed in writing by the Environment Agency.

4.2 Reporting

- 4.2.1 The operator shall send all reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.
- 4.2.2 A report or reports on the performance of the activities over the previous year shall be submitted to the Environment Agency by 31 January (or other date agreed in writing by the Environment Agency) each year. The report(s) shall include as a minimum:
- (a) a review of the results of the monitoring and assessment carried out in accordance with the permit including an interpretive review of that data;
 - (b) the annual production/treatment data set out in schedule 4 table S4.2; and
 - (c) the performance parameters set out in schedule 4 table S4.3 using the forms specified in table S4.4 of that schedule.
- 4.2.3 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the Environment Agency, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:
- (a) in respect of the parameters and emission points specified in schedule 4 table S4.1;
 - (b) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.4; and
 - (c) giving the information from such results and assessments as may be required by the forms specified in those tables.
- 4.2.4 The operator shall, unless notice under this condition has been served within the preceding four years, submit to the Environment Agency, within six months of receipt of a written notice, a report assessing whether there are other appropriate measures that could be taken to prevent, or where that is not practicable, to minimise pollution.

4.3 Notifications

- 4.3.1 In the event:
- (a) that the operation of the activities gives rise to an incident or accident which significantly affects or may significantly affect the environment, the operator must immediately—
 - (i) inform the Environment Agency,
 - (ii) take the measures necessary to limit the environmental consequences of such an incident or accident, and
 - (iii) take the measures necessary to prevent further possible incidents or accidents;
 - (b) of a breach of any permit condition the operator must immediately—
 - (i) inform the Environment Agency, and
 - (ii) take the measures necessary to ensure that compliance is restored within the shortest possible time;
 - (c) of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment, the operator must immediately suspend the operation of the activities or the relevant part of it until compliance with the permit conditions has been restored.
- 4.3.2 Any information provided under condition 4.3.1 shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.
- 4.3.3 Where the Environment Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Environment Agency when the

relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to the Environment Agency at least 14 days before the date the monitoring is to be undertaken.

4.3.4 The Environment Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:

Where the operator is a registered company:

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

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

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

4.3.5 Where the operator proposes to make a change in the nature or functioning, or an extension of the activities, which may have consequences for the environment and the change is not otherwise the subject of an application for approval under the Regulations or this permit:

- (a) the Environment Agency shall be notified at least 14 days before making the change; and
- (b) the notification shall contain a description of the proposed change in operation.

4.3.6 The Environment Agency shall be given at least 14 days' notice before implementation of any part of the site closure plan.

4.3.7 Where the operator has entered into a climate change agreement with the Government, the Environment Agency shall be notified within one month of:

- (a) a decision by the Secretary of State not to re-certify the agreement;
- (b) a decision by either the operator or the Secretary of State to terminate the agreement; and
- (c) any subsequent decision by the Secretary of State to re-certify such an agreement.

4.4 Interpretation

4.4.1 In this permit the expressions listed in schedule 6 shall have the meaning given in that schedule.

4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made "immediately", in which case it may be provided by telephone.

Schedule 1 – Operations

Table S1.1 activities			
Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity	Limits of specified activity
AR1	S6.8 A1 (d) (ii)	Treatment and processing of only vegetable raw materials, intended for the production of food or feed at a plant with a finished product production capacity greater than 300 tonnes per day.	From receipt of raw materials through to dispatch of final product. Production capacity is limited to 426 tonnes per day.
Directly Associated Activity			
AR2	Steam supply	Medium Combustion plant: 1 x 0.91 MWth Boiler fuelled on LPG or Industrial Heating Oil.	From receipt of fuel to release of products of combustion to air.
AR3	Storage and use of chemicals and oils	Storage and use of chemicals and oils at the installation.	From receipt of chemicals and oils to disposal of wastes arising.
AR4	Waste storage and handling	Storage and handling of waste materials	From generation of waste to storage pending removal for disposal or recovery.
AR5	Surface water drainage	Collection of uncontaminated site surface waters	Handling and storage of site drainage until discharge to the site surface water system.
AR6	Vehicle washing	Washing of delivery and dispatch vehicles	Washing of vehicles. Detergents to be retained and not discharged to surface water.

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application EPR/CP3137RR/A001	Parts B2 and B3 of the application form and referenced supporting information	Duly Made 22/02/2016
Response to Schedule 5 Notice dated 23/06/2017	Revised Environmental Risk Assessment, revised Process Description	11/09/2017
Response to Schedule 5 Notice dated 23/06/2017	Document titled 'Schedule 5 response Seamer Mill Permit Application' and plan titled 'Site Activities and Emission Points 003 Rev B (2017)'	19/09/2017
Response to Schedule 5 Notice dated 23/06/2017	Email detailing cyclone and grinder emission monitoring	26/09/2017
Regulation 61 Notice responses and supporting information	All parts	Received 30/07/2021
Regulation 61(1) Notice – request for further information dated 04/03/2022	Further information regarding <ul style="list-style-type: none"> • BATc 1, 2, 3 ,5, 6, 7, 8, 10 & 11 • Site Condition Baseline assessment • Baseline Reporting Tool 	05/05/2022

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC1	<p>The Operator shall undertake an assessment of the containment measures on site. The assessment will take into account the requirements of guidance CIRIA 736 'Containment systems for the prevention of pollution: Secondary, tertiary and other measures for industrial and commercial premises'. A written report summarising the findings shall be submitted to the Environment Agency for approval.</p> <p>The Operator shall implement any necessary improvements to a timetable agreed in writing with the Environment Agency.</p> <p>The Operator shall confirm in writing to the Environment Agency when these improvements are in place.</p>	14/07/2023 or other date as agreed in writing with the Environment Agency
IC2	<p>The Operator shall submit a written report to the Environment Agency identifying potential improvements to improve the infrastructure around bulk liquid unloading such that any spillage is contained and may be fully recovered. The Operator shall implement any necessary improvements to a timetable agreed in writing with the Environment Agency. The Operator shall confirm in writing to the Environment Agency when these improvements are in place.</p>	14/07/2023 or other date as agreed in writing with the Environment Agency
IC4	<p>The Operator shall review of the disposal of boiler blowdown, and washwaters from the installation and sample these to confirm the composition. Following the assessment the operator shall submit the report to the Environment Agency for approval. The report shall include (but not be limited to) the following:</p> <ul style="list-style-type: none"> • An assessment of the impact for the proposed route using the Environment Agency's H1 methodology taking into consideration the characteristics of the boiler blowdown, and washwaters (temperature, pH, suspended solids, metals and any other potentially polluting substances • Detail the specific arrangements for disposal of the blowdown associated with annual inspection and servicing. • List the options for disposal, justifying the proposed route (disposals not being treated in an onsite or offsite waste water treatment plant should be fully justified). • A proposed timetable for completion of any improvement works required. <p>The Operator shall implement any necessary improvements to a timetable agreed in writing with the Environment Agency.</p>	14/07/2023 or other date as agreed in writing with the Environment Agency
IC8	<p>The Operator shall carry out an assessment of the options available for preventing detergents entering the site interceptors from the vehicle wash. Following the assessment the operator shall submit the report to the Environment Agency for approval.</p> <p>The Operator shall implement any necessary improvements to a timetable agreed in writing with the Environment Agency.</p>	14/07/2023 or other date as agreed in writing with the Environment Agency
IC9	<p>The Operator shall submit a written report to the Environment Agency of monitoring carried out to determine the size distribution of particulate matter in the exhaust gas emissions to air from emission points A1 and A2, identifying the fractions within the PM₁₀ and PM_{2.5} ranges. The monitoring shall be carried out under representative operating conditions and shall be in accordance with EN ISO 23210 unless otherwise agreed with the Environment Agency.</p>	14/07/2023 or other date as agreed in writing with the Environment Agency

IC10	The Operator shall install an acid treatment plant to treat the boiler blowdown effluent before it leaves the site. The Operator shall confirm to the Agency in writing that the treatment plant has been installed.	14/01/2024 or other date as agreed in writing with the Environment Agency
IC11	The operator shall review and update the H1 risk assessment for particulate emissions to air at the capacity levels stated within table S1.1 of this permit. The H1 shall be submitted to the Environment Agency for review.	14/07/2023 or other date as agreed in writing with the Environment Agency
IC12	<p>The operator shall submit a written 'underground structures plan' and shall obtain the Environment Agency's written approval to it. The plan shall contain the results of a review conducted, by a competent person, in accordance with the risk assessment methodology detailed within CIRIA C736 (2014) guidance, of the condition and extent of secondary and tertiary containment systems where all polluting liquids and solids are being stored.</p> <p>The review shall include, but not be limited to, the following for all underground structures at the installation;</p> <ul style="list-style-type: none"> • The physical condition of all underground structures; • The suitability of providing containment when subjected to the dynamic and static loads caused by the vessels' contents; • A preventative maintenance inspection regime. <p>The plan must contain dates for the implementation of individual improvement measures necessary for the underground structures to adhere to the standards detailed/referenced within CIRIA C736 (2014) guidance, or equivalent.</p> <p>The plan shall be implemented in accordance with the Environment Agency's written approval.</p>	14/07/2023 or other date as agreed in writing with the Environment Agency

Schedule 2 – Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	Specification
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Schedule 3 – Emissions and monitoring

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A1 [Point A1 on site plan in Schedule 7]	Bag filter on grinder exhaust	Particulate matter	10 mg/m ³	Average over sampling period	Annually	BS EN 13284-1
A2 [Point A2 on site plan in Schedule 7]	Cyclone on combined cooler exhaust	Particulate matter	20 mg/m ³	Average over sampling period	Annually	BS EN 13284-1
A3 [Point A3 on site plan in Schedule 7]	0.91 MWth boiler fired on LPG ^[Note 1]	No parameters set	No limit set	--	--	--
A4 [Point A4 on site plan in Schedule 7]	Vegetable oil storage tank	No parameters set	No limit set	--	--	--
A5 [Point A5 on site plan in Schedule 7]	White diesel tank	No parameters set	No limit set	--	--	--
A6 [Point A6 on site plan in Schedule 7]	Industrial Heating Oil tank	No parameters set	No limit set	--	--	--
A7 [Point A7 on site plan in Schedule 7]	AD Blue tank	No parameters set	No limit set	--	--	--
A8 [Point A8 on site plan in Schedule 7]	Methionine tank	No parameters set	No limit set	--	--	--
Note 1: The boiler operates on Liquid Petroleum Gas (LPG) as the primary fuel, with Industrial Heating Oil (IHO) as the backup fuel, only to be used in the event of an interruption to the gas supply.						

Table S3.2 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements

Emission point ref. & location	Source	Parameter	Limit (incl. unit)	Reference Period	Monitoring frequency	Monitoring standard or method
W1 [W1 on site plan in schedule 7] emission to unnamed Tributary to the River Tame	Boiler blowdown effluent.	pH	6-9 ^[Note 1]	Instantaneous	Continuous	BS6068-2.50
W1 [W1 on site plan in schedule 7] emission to unnamed Tributary to the River Tame	Uncontaminated surface water drainage	None set	No limit set	--	--	--

Note 1: The emission limit requirements for pH will only apply following the completion of IC10.

Schedule 4 – Reporting

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

Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Point source emissions to air Parameters as required by condition 3.5.1	A1 & A2	Every 12 months	1 January

Parameter	Units
Compound feed	tonnes

Parameter	Frequency of assessment	Units
Water usage	Annually	m ³
Specific water usage (yearly average)	Annually	m ³ /tonne of products
Energy usage	Annually	MWh
Specific energy consumption (yearly average)	Annually	MWh/ tonne of products
Waste	Annually	tonnes

Parameter	Reporting form	Form version number and date
Point source emissions to air	Emissions to Air Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
Water usage	Water Usage Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
Energy usage	Energy Usage Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
Other performance parameters	Other Performance Parameters Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021

Schedule 5 – Notification

These pages outline the information that the operator must provide.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

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

Part A

Permit Number	
Name of operator	
Location of Facility	
Time and date of the detection	

(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution	
To be notified within 24 hours of detection	
Date and time of the event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances(s) potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident.	

(b) Notification requirements for the breach of a limit	
To be notified within 24 hours of detection unless otherwise specified below	
Emission point reference/ source	
Parameter(s)	
Limit	
Measured value and uncertainty	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	

Time periods for notification following detection of a breach of a limit	
Parameter	Notification period

(c) Notification requirements for the breach of permit conditions not related to limits	
To be notified within 24 hours of detection	
Condition breached	
Date, time and duration of breach	
Details of the permit breach i.e. what happened including impacts observed.	
Measures taken, or intended to be taken, to restore permit compliance.	

(d) Notification requirements for the detection of any significant adverse environmental effect	
To be notified within 24 hours of detection	
Description of where the effect on the environment was detected	
Substances(s) detected	
Concentrations of substances detected	
Date of monitoring/sampling	

Part B – to be submitted as soon as practicable

Any more accurate information on the matters for notification under Part A.	
Measures taken, or intended to be taken, to prevent a recurrence of the incident	
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission	
The dates of any unauthorised emissions from the facility in the preceding 24 months.	

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of the operator

Schedule 6 – Interpretation

“accident” means an accident that may result in pollution.

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

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

“emissions to land” includes emissions to groundwater.

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

“emissions of substances not controlled by emission limits” means emissions of substances to air, water or land from the activities, either from the emission points specified in schedule 3 or from other localised or diffuse sources, which are not controlled by an emission limit.

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

“Industrial Emissions Directive” means DIRECTIVE 2010/75/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 24 November 2010 on industrial emissions, as read in accordance with Schedule 1A to the Environmental Permitting (England and Wales) Regulations 2016.

“MCERTS” means the Environment Agency’s Monitoring Certification Scheme.

“Medium Combustion Plant” or “MCP” means a combustion plant with a rated thermal input equal to or greater than 1 MW but less than 50 MW. An “existing medium combustion plant” is combustion plant operating before 20 December 2018.

“Medium Combustion Plant Directive” or “MCPD” means Directive 2015/2193/EU of the European Parliament and of the Council on the limitation of emissions of certain pollutants into the air from medium combustion plants, as read in accordance with Schedule 1A to the Environmental Permitting (England and Wales) Regulations 2016.

“Pests” means Birds, Vermin and Insects.

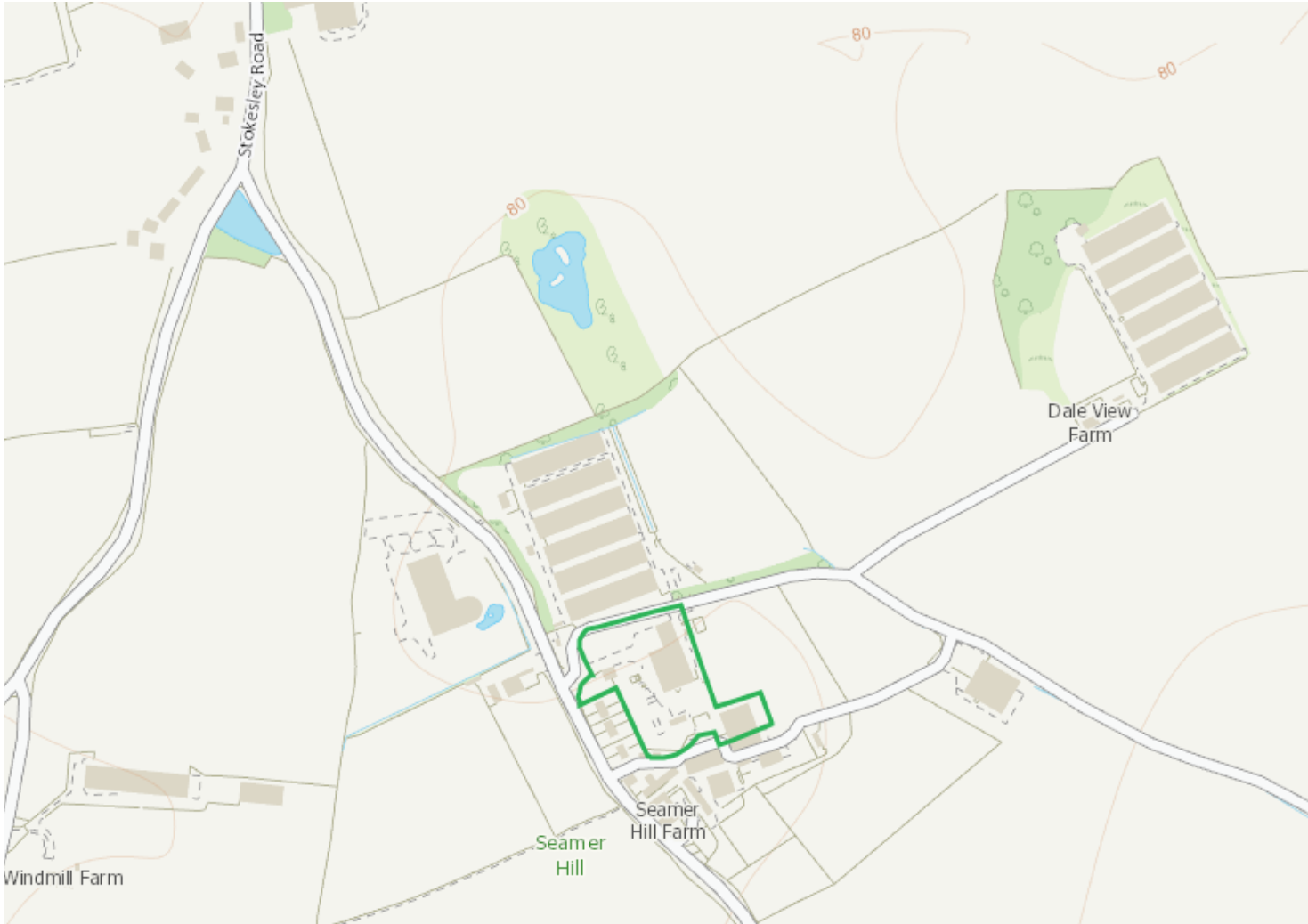
Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

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

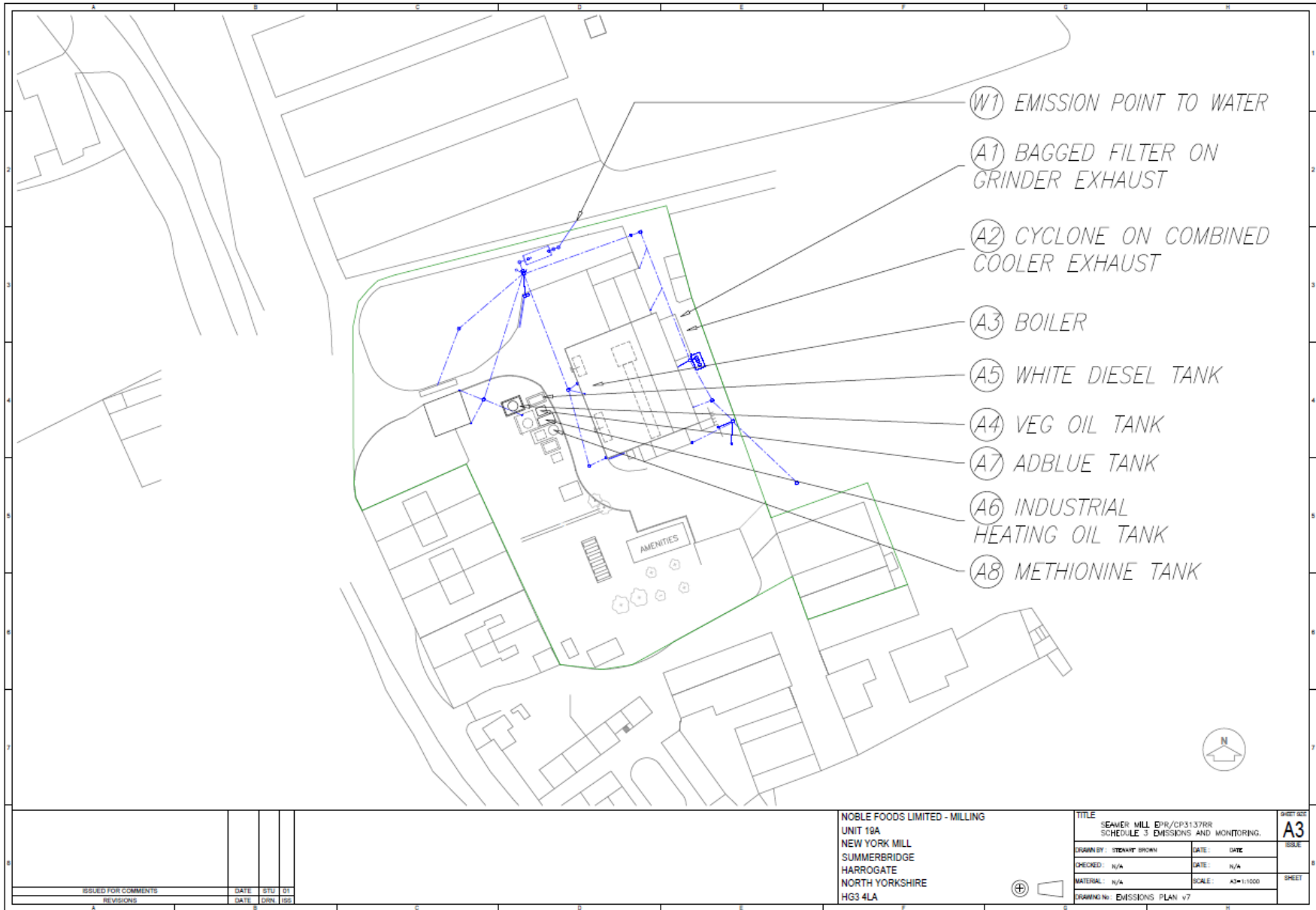
- in relation to emissions from combustion processes, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 3% dry for liquid and gaseous fuels other than gas engines or gas turbines, 6% dry for solid fuels; and/or
- in relation to emissions from gas engines or gas turbines, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 15% dry for liquid and gaseous fuels; and/or
- in relation to emissions from non-combustion sources, the concentration at a temperature of 273K and at a pressure of 101.3 kPa, with no correction for water vapour content

“year” means calendar year ending 31 December.

Schedule 7 – Site plan



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END OF PERMIT

Permit number
EPR/CP3137RR