

# Notice of variation and consolidation with introductory note

**The Environmental Permitting (England & Wales) Regulations 2016**

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Muller UK & Ireland Group LLP

Trafford Park Dairy  
Lake Road  
Trafford Park  
Manchester  
M17 1TU

**Variation application number**

EPR/SP3835EK/V003

**Permit number**

EPR/SP3835EK

# Trafford Park Dairy

## Permit number EPR/SP3835EK

### 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.

#### Changes introduced by this variation

This variation is for the installation of a combined heat and power (CHP) plant that will supply the electricity and heat needed for the factory using cogeneration of energy. The plant will burn natural gas to generate electricity, steam and low temperature hot water. The plant consists of two gas engines fuelled on natural gas (1.0 MWth & 1.5 MWth), one waste heat boiler and associated equipment. The CHP plant is classified as a new medium combustion plant in accordance with Schedule 25A of the Environmental Permitting Regulations. The CHP plant will be sited to the northwest of the Müller factory on an area of vacant hardstanding and requires a change to the existing permit boundary.

#### Key features of the Installation

Trafford Park dairy occupies a site 3.1 hectares situated at Trafford Park Industrial Estate, approximately 5 km west of Manchester city centre. The Environmental Permit is for the following scheduled activity Section 6.8 Part A(1)(e) Treating and processing milk, the quantity of milk received being more than 200 tonnes per day (average value on an annual basis).

Production activities of both the receipt and storage of raw milk, followed by its separation, into cream and "skim". Milk is then standardised to the desired fat content and homogenised to prevent cream separation. It is then pasteurised, chilled, and stored prior to filling into HDPE bottles for dispatched. A fully automated clean-in-place system is used to clean the tankers, silos, processing equipment, fillers and pipework. The installation process approximately 7 million litres of milk per week, producing 390,000 tonnes of milk (skimmed, semi-skimmed and standard) and 20,000 tons of cream per year. There is a 24 hour presence on site.

The installation discharges maximum of 600 m<sup>3</sup> per day to sewer. Effluent from the installation is discharged to sewer at a single point. There is no on-site treatment of the effluent prior to discharge. The substance concentrations found within the discharge to sewer have been identified as having insignificant environmental impact following treatment at the Davyhulme Sewage Treatment Works and final discharge to the Manchester Ship Canal. Surface water feeds through 3 surface drains into the Manchester Ship Canal, the surface water discharge has previously been controlled under the Water Resources Act and it will remain the situation following the issue of this permit.

Installation is unlikely to cause annoyance through emissions of odour or noise and has been judged to have no significant impact on any conservation sites. The Installation is a party to the climate change agreement facility number DIF/68/01. The installation has been accredited to international standard for environmental management systems, ISO14001, since February 2003.

The schedules specify the changes made to the permit.

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

<b>Status log of the permit</b>		
<b>Description</b>	<b>Date</b>	<b>Comments</b>
Application EPR/BS0060IQ	15/03/05	Application for permit
Additional information received	05/09/05	
Permit determined EPR/BS0060IQ	04/11/05	Original permit issued.
Application EPR/SP3835EK/T001 (full transfer of permit EPR/BS0060IQ)	Duly made 25/11/13	Application to transfer permit in full to Muller UK and Ireland Group LLP
Transfer determined EPR/SP3835EK	08/01/14	Full transfer of permit complete
Application EPR/SP3835EK/V002 (variation)	Duly made 14/05/15	Application to vary the permit to add silos, recyclable waste storage area and extend installation boundary
Variation determined EPR/SP3835EK	20/08/15	Varied permit issued.
Application EPR/SP3835EK/V003 (variation)	Duly made 05/01/23	Application to vary the permit to add CHP plant consisting of two engines (1.0 MW & 1.5 MW), one waste heat boiler and associated equipment.
Variation determined and consolidation issued EPR/SP3835EK/V003 [Billing ref: TP3905PR]	06/06/2023	Varied and consolidated permit issued in modern format

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/SP3835EK

### Issued to

**Muller UK & Ireland Group LLP** (“the operator”)

whose registered office is

**Tern Valley Business Park  
Shrewsbury Road  
Market Drayton  
Shropshire  
TF9 3SQ**

limited liability partnership number OC384928

to operate a regulated facility at

**Trafford Park Dairy  
Lake Road  
Trafford Park  
Manchester  
M17 1TU**

to the extent set out in the schedules.

The notice shall take effect from 06/06/2023

Name	Date
Katherine Fisher	06/06/2023

Authorised on behalf of the Environment Agency

## **Schedule 1**

All conditions have been varied by the consolidated permit as a result of the application made by the operator.

## **Schedule 2 – consolidated permit**

Consolidated permit issued as a separate document.

# Permit

## The Environmental Permitting (England and Wales) Regulations 2016

### Permit number

**EPR/SP3835EK**

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/SP3835EK/V003 authorising,

**Muller UK & Ireland Group LLP** (“the operator”),

whose registered office is

Tern Valley Business Park  
Shrewsbury Road  
Market Drayton  
Shropshire  
TF9 3SQ

limited liability partnership number OC384928

to operate an installation at

**Trafford Park Dairy**  
**Lake Road**  
**Trafford Park**  
**Manchester**  
**M17 1TU**

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

Name	Date
Katherine Fisher	06/06/2023

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 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.

2.3.4 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.
- 3.1.4 For the following activities referenced in schedule 1, table S1.1 (AR8) the first monitoring measurements shall be carried out within four months of the issue date of the permit or of the date when the MCP is first put into operation, whichever is later.

## **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 For the following activities referenced in schedule 1, table S1.1 (AR1 to AR8) 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.
- In any other case:
- (a) the death of any of the named operators (where the operator consists of more than one named individual);
  - (b) any change in the operator's name(s) or address(es); and
  - (c) any steps taken with a view to the operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case of them being in a partnership, dissolving the partnership.
- 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

<b>Table S1.1 activities</b>			
<b>Activity reference</b>	<b>Activity listed in Schedule 1 of the EP Regulations</b>	<b>Description of specified activity</b>	<b>Limits of specified activity</b>
AR1	Section 6.8 A(1)(e): treating and processing milk, the quantity of milk received being more than 200 tonnes per day (average value on an annual basis)	Treatment of milk including pasteurisation, homogenisation and standardisation to produce milk and cream.	From raw milk storage to filling of milk.  Maximum milk treatment 12 million litres per week
<b>Directly Associated Activity</b>			
AR2	Steam generation	Steam generation for milk processing	Supply of steam to the product processing lines.
AR3	Refrigeration	Refrigeration plant for milk storage	Storage of finished milk products prior to despatch.
AR4	Internal tanker washing	Cleaning in place	The internal tanker washing of road tankers at the designated Tanker CIP prior to their exit from the Installation.
AR5	Waste management	Waste storage, handling & treatment	Storage, collection, loading and transport off site
AR6	Storage	Storage of reclaim	Reclaim tanks for the capture of milk flushed out in air and water purges prior to CIP
AR7	Storage and handling of raw materials	Receipt and storage of raw materials	Arrival of milk on site, receipt of milk from tankers, storage in silos and transfer to milk processing units
AR8	Combined Heat and Power Plant	Cogeneration of heat and power using medium combustion plants: 2 x gas engines fuelled on natural gas (1.0MWth & 1.5MWth), waste heat boiler and associated equipment.	From receipt of fuels and lubricating oil to emission of combustion gases to air

<b>Table S1.2 Operating techniques</b>		
<b>Description</b>	<b>Parts</b>	<b>Date Received</b>
Application	The response to questions 2.1 and 2.2 of the application, as detailed in sections B2.2.1 to B2.2.6 (emissions to air and boiler plant procedures), B2.2.24 (emissions to sewer), and 2.2.46 to 2.2.49 (chilling and refrigeration) of the application and appendix PPC – MAN001 (production flowchart)	15/03/05
Additional information	Details provided in response to the request for further information, relating to internal work instructions for the storage and handling from milk, reclaimed melt, caustic soda and nitric acid solutions.	05/09/05
Additional information	Details relating to the contaminated surface water drainage and surface water drainage systems	28/09/05
Application EPR/SP3835EK/V002	Appendix 005 - Non-Technical summary of the application	02/04/15
Email further information submission, for application EPR/SP3835EK/V002	An Assessment of Containment at Manchester Dairy Date: 29 April 2015 Version: 4 , Environmental Incident Prevention and response Management, dated October 2014, and Toggleblok Operation and Maintenance Manual for Spill Containment System at Muller Wiseman Dairies.	29/04/15
Application EPR/SP3835EK/V003	Permit Variation Application supporting information	Duly made 05/01/23

<b>Table S1.3 Improvement programme requirements</b>		
<b>Reference</b>	<b>Requirement</b>	<b>Date</b>
1	The Operator shall develop a strategy for replacing refrigerant R22 with a non-ozone depleting alternative, the development programme, including timescales for implementation shall be forwarded, in writing, to the Agency.	Complete
2	The Operator shall conduct a water use audit and submit the findings with recommendations with implementation dates in a written report for approval by the Agency.	Complete
3	The Operator shall investigate the application of membrane technology to enable the removal of solids from the effluent stream, the potential re-use of the effluent, the recovery of product and cleaning chemical recovery, as specified in Section 2.1.7 of TGN S6.13. A report detailing the findings of this investigation, with actions and timescales for their implementation, shall be submitted to the Agency with recommendations and timescales for improvement.	Complete
4	The Operator shall investigate and review the bunding arrangements for the milk silos. The Operator shall submit a written report, for approval by the Agency, describing the adequacy of the current containment measures in order to prevent contamination of the surface water drains in the event of tank rupture or accidental release. The report shall detail any proposed improvements with associated implementation dates.	Complete
5	The Operator shall investigate the feasibility of introducing an economiser to the pre-heat boiler feed. The findings shall be provided in a written report and submitted to the Agency	Complete
6	The Operator shall provide in writing, to the Environment Agency, an updated Site Condition Report assessing the entire installation footprint and written in accordance with the latest version of the Environment Agency's Horizontal Guidance Note 5. The report must take into consideration the requirements of the Industrial Emissions Directive and identification and assessment of the risk posed by 'relevant hazardous substances' on site and where appropriate the provision of a site baseline report.	Complete
7	The Operator shall provide written details of the inspection and maintenance work carried out on the site drainage system, demonstrating that the condition of the drainage system is adequately monitored and repaired where necessary.	Complete
8	The Operator shall provide written details of the inspection and maintenance regime for the kerbs, ramps and impermeable surfaces on site, demonstrating how they comply with the relevant sections of box 5.2 in the CIRIA736 guidance.	Complete

## Schedule 2 – Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	Specification
-	-



## Schedule 3 – Emissions and monitoring

Emission point ref. & location	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A1 (as labelled on drawing “PPC-MAN011”)	Boiler stack	-	-	-	-	-
A2 (Stack 1 at SJ 79225 97870)	CHP – Engine 1 gas engine fuelled on natural gas	Oxides of nitrogen (NO & NO <sub>2</sub> expressed as NO <sub>2</sub> )	95mg/Nm <sup>3</sup>	Periodic	Every 3 years	BS EN 14792
		Carbon monoxide	No limit set	Periodic	Every 3 years	BS EN 15058
A3 (Stack 2 at SJ 79226 97869)	CHP – Engine 2 gas engine fuelled on natural gas	Oxides of nitrogen (NO & NO <sub>2</sub> expressed as NO <sub>2</sub> )	95mg/Nm <sup>3</sup>	Periodic	Every 3 years	BS EN 14792
		Carbon monoxide	No limit set	Periodic	Every 3 years	BS EN 15058

Emission point ref. & location	Source	Parameter	Limit (incl. Unit)	Reference period	Monitoring frequency	Monitoring standard or method
S1 on drawing PPC – MAN– 011 drainage plan, and emission points. Draining to Davyhulme wastewater treatment works operated by United Utilities Ltd	Process effluent drains via break tank	Chemical oxygen demand (mg/m <sup>3</sup> )	No limit set	24-hour flow proportional sample	Weekly	Oxidation with dichromate ISO6060:1989
		Chemical oxygen demand (mg/m <sup>3</sup> )	No limit set	24-hour flow proportional sample	Monthly	Oxidation with dichromate ISO6060:1989 UKAS accredited laboratory testing
		pH	No limit set	--	Daily	Range and mean  Continuous flow meter
		Effluent flow (m <sup>3</sup> )	No limit set	--	Daily	Continuous flow meter

## Schedule 4 – Reporting

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

<b>Table S4.1 Reporting of monitoring data</b>			
<b>Parameter</b>	<b>Emission or monitoring point/reference</b>	<b>Reporting period</b>	<b>Period begins</b>
Point source emissions to water (other than sewer) Parameters as required by condition 3.5.1	S1	Quarterly	1 January, 1 April, 1 July & 1 October
Point source emissions to air Parameters as required by condition 3.5.1	A1 & A2	Every 3 years (First monitoring to be undertaken in accordance with Condition 3.1.4 and then reported within 3 months of completion)	1 January

<b>Table S4.2: Annual production/treatment</b>	
<b>Parameter</b>	<b>Units</b>
Production of milk	tonnes

<b>Table S4.3 Performance parameters</b>		
<b>Parameter</b>	<b>Frequency of assessment</b>	<b>Units</b>
Water usage	Annually	m <sup>3</sup>
Energy usage	Annually	MWh
Waste	Annually	tonnes
Chemical Oxygen Demand (COD) efficiency (see note 1)	Monthly	COD/t

Note 1. Average monthly concentration (derived from the average weekly flow proportionate 24-hour composite) X average monthly effluent flow.

<b>Table S4.4 Reporting forms</b>		
<b>Parameter</b>	<b>Reporting form</b>	<b>Form version number and date</b>
Point source emissions to sewer	S1	01/09/05
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	WU1	01/09/05
Energy usage	E1	01/09/05

<b>Table S4.4 Reporting forms</b>		
<b>Parameter</b>	<b>Reporting form</b>	<b>Form version number and date</b>
Waste return	R1	01/09/05
Other performance parameters	PI1	01/09/05

# 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	

<b>(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</b>	
<b>To be notified within 24 hours of detection</b>	
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>(b) Notification requirements for the breach of a limit</b>	
<b>To be notified within 24 hours of detection unless otherwise specified below</b>	
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	

<b>Time periods for notification following detection of a breach of a limit</b>	
<b>Parameter</b>	<b>Notification period</b>

<b>(c) Notification requirements for the breach of permit conditions not related to limits</b>	
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.	

<b>(d) Notification requirements for the detection of any significant adverse environmental effect</b>	
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.

“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.

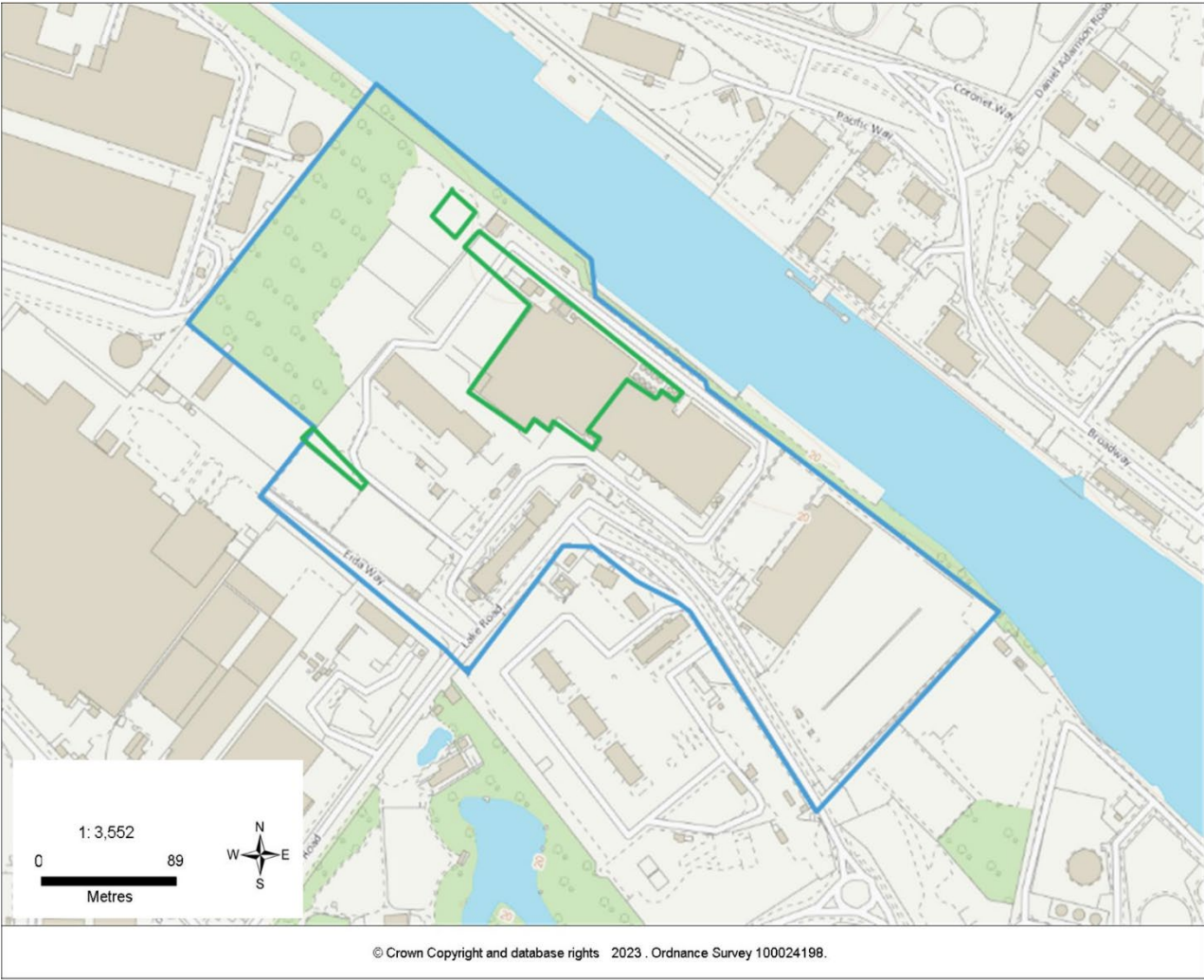
Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

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



END OF PERMIT