

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Essar Oil (UK) Limited

Tranmere Oil Terminal

New Chester Road

Tranmere

Wirral

CH42 1LQ

Variation application number

EPR/TP3301MD/V004

Permit number

EPR/TP3301MD

Tranmere Oil Terminal

Permit number EPR/TP3301MD

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 variation covers the following changes:

- The installation of a vapour recovery unit (VRU) at the terminal for the marine loading of gasoline and gasoline components, which will be transported to the installation from Stanlow Refinery via an existing pipeline, which was previously used for the import of diesel fuel.
- The removal of the Tranmere South Interceptor, which was previously permitted as emission point W2. Surface water drainage from the area previously served by the South Interceptor is rerouted to the Tranmere North Interceptor (W1).

In addition, the permit has been reviewed against the requirements of the Medium Combustion Plant Directive (MCPD) for 2025 and 2030 and relevant conditions and monitoring requirements have been added. The Medium Combustion Plant (MCPs) at the terminal consist of two 3.5 MWth gas oil fired boilers which are existing plant used to provide heat to the tanks and pipes used for the storage and transfer of oils. The MCPs have been permitted early at the operators' request.

The schedules specify the changes made to the permit.

The main features of the installation are as follows.

The Tranmere Oil Terminal covers an area of 13.5 hectares and is located on the west bank of the River Mersey at Tranmere, Birkenhead (Grid Ref: SJ332872).

The installation is used for the receipt and export of crude oil, gas oil, fuel oil, gasoline and gasoline components, and long residue from ships berthed at one of two jetties. Materials are then stored on site awaiting transfer to Stanlow Manufacturing Complex and Eastham refineries by pipeline. Approximately 11.5 million tonnes per annum of hydrocarbon are received by ship.

Crude oil is imported via the two jetties (North and South) into storage tanks. The crude oil is stored and on request transferred to the respective refinery using a cross-country pipeline. During pipeline transfer crude oils may be blended with other crude oils. Crude oils may also be exported from the installation by ship. The facility also receives white oils into on-site storage for subsequent export by ship. Gas oil may be exported from the installation.

The installation contains one directly associated activity which is the hot water heaters, which are MCPs.

There are two emission points to air. Emissions to air are from the two gas oil fired hot water heaters (A1) and from the VRU (A2). The hot water heaters are used to provide heat to the tanks and pipes used for the storage and transfer of the oils. The VRU is used to prevent and reduce volatile organic compound (VOC) emissions during loading and unloading operations of volatile liquid hydrocarbons. There is one emission point to water (W1). Emissions to water are of surface water from the installation and blowdown from the hot water heating system. Emissions to water are abated by gravity settling bays separator. All emissions to air and water have been identified as not significant. There are no emissions to sewer.

The installation has an environmental management system which has been externally certified to ISO 14001.

There are a number of sites with statutory nature conservation designations within 10km of the installation which are as follows: The Dee Estuary Ramsar; Dee Estuary (SAC) (proposed); Dee Estuary SPA (or proposed SPA); Mersey Estuary Ramsar; Mersey Estuary SPA (or proposed SPA); Ribble & Alt Estuaries SPA (or proposed SPA); Ribble & Alt Estuaries Ramsar and Sefton Coast SAC (candidate). There is one SSSI within 2 km of the installation which is as follows; New Ferry SSSI.

The Agency concludes that activities at the Tranmere Oil Terminal Installation have no adverse effect on any Natura 2000 sites and nor considered to have an adverse effect on any other important ecological sites.

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 NP3437LX (EPR/NP3437LX/A001)	Duly made 21/08/06	
Additional Information Received		02/02/07
Permit NP3437LX issued (EPR/NP3437LX)	28/06/07	
Application EPR/NP3437LX/V002	Received 22/02/10	
Variation EPR/NP3437LX/V002 issued	28/04/10	
Application EPR/YP3238FT/T001 (full transfer of permit EPR/NP3437LX)	Duly made 27/07/11	
Additional information relating to technical and financial capability	28/07/11	
Transfer determined EPR/YP3238FT/T001	01/08/11	Full transfer of permit complete.
Application received EPR/YP3238FT/V002	11/01/12	Application to vary and change the reference period for W1 in table S4.2
Variation determined EPR/YP3238FT	13/02/2012	Varied permit issued.
Application EPR/TP3301MD/T001 (full transfer of permit EPR/YP3238FT)	Duly made 21/01/2022	Application to transfer the permit in full to Stanlow Terminals Limited.
Transfer determined EPR/TP3301MD	16/03/2022	Full transfer of permit complete.
Application EPR/TP3301MD/T002 (full transfer of permit EPR/TP3301MD)	Duly made 16/02/2023	Application to transfer the permit in full to Essar Oil (UK) Limited
Transfer determined EPR/TP3301MD)	07/03/2023	Full transfer of permit complete
Application EPR/TP3301MD/V004	Duly made 11/12/2024	Application to add a vapour recovery (VRU) unit for the marine loading of gasoline and change water interceptor arrangements.
Additional Information Received	16/06/2025	Provision of additional information about VRU operating techniques.
Additional Information Received	26/06/2025	Provision of additional information about monitoring provisions and MCPs.

Status log of the permit		
Description	Date	Comments
Variation determined and consolidation issued EPR/TP3301MD/V004	19/08/2025	Varied and consolidated permit issued.

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/TP3301MD

Issued to

Essar Oil (UK) Limited (“the operator”)

whose registered office is

The Administration Building

5th Floor

Stanlow Manufacturing Complex

Ellesmere Port

Cheshire

CH65 4HB

company registration number 07071400

to operate a regulated facility at

Tranmere Oil Terminal

New Chester Road

Tranmere

Wirral

CH42 1LQ

to the extent set out in the schedules.

The notice shall take effect from 19/08/2025

Name	Date
Daniel Timney	19/08/2025

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/TP3301MD

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/TP3301MD/V004 authorising,

Essar Oil (UK) Limited (“the operator”),

whose registered office is

The Administration Building

5th Floor

Stanlow Manufacturing Complex

Ellesmere Port

Cheshire

CH65 4HB

company registration number 07071400

to operate an installation at

Tranmere Oil Terminal

New Chester Road

Tranmere

Wirral

CH42 1LQ

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

Name	Date
Daniel Timney	19/08/2025

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 For the following activities referenced in Schedule 1 Table S1.1 (AR2):
- (a) the operator must keep periods of start-up and shut down of the combustion plant as short as possible.
 - (b) There shall be no persistent emission of ‘dark smoke’ as defined in section 3(1) of the Clean Air Act 1993.

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 (A2), the first monitoring measurements shall be carried out within four months of the issue date of the permit or the date when the MCP is first put into operation, whichever is later.
- 3.1.5 Monitoring of MCP shall not take place during periods of start-up or shut down.

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.

3.5.5 For the following activities referenced in Schedule 1 Table S1.1 (AR2), for existing MCP Monitoring measurements shall be carried out before the relevant compliance date or within four months of the issue date of the permit whichever is the later.

3.5.6 Monitoring of MCP shall not take place during periods of start-up or shut down.

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 AR4 etc.) 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.
- 4.2.5 The operator shall maintain a record of the type and quantity of fuel used and the total annual operating hours for each MCP.

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.

4.4 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	Section 1.2 A(1)(e)(i) – The loading, unloading or other handling of, the storage of, or the physical, chemical or thermal treatment of crude oil	Crude oil processing, storage and handling (oil movements)	Loading and unloading of crude oil, gas oil, fuel oil, gasoline and gasoline components from or to sea-going ships from one of two jetties or transfer to Stanlow Manufacturing Complex
Directly Associated Activity			
AR2	Heat supply from operation of Schedule 25A Medium Combustion Plant	Operation of two 3.5 MWth gas oil fired boilers which are existing MCPs	From receipt of fuel to release of products of combustion to air. To provide heat to the tanks and pipes used for the storage and transfer of the oils

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application	The response to section 2.1 and 2.2 in the Application.	21/08/06
Variation application EPR/TP3301MD/V004	Application documents: <ul style="list-style-type: none"> • Response to section 3 'Operating Techniques' of application form Part C3, including document referred to as Attachment C3_1 'Supporting Evidence, received on 14/10/24 • Attachment C2_1 'Supporting Evidence', received on 14/10/24 • Attachment C2_2 'Mogas Export Project Permit Application - Supporting Evidence', received on 14/10/24 • Attachment C2_5 'VRU Process Flow Diagram', received on 14/10/24 • Attachment C2_6 'Dispersion modelling assessment of emissions of VOCs' received on 14/10/24 • Attachment C2_17 Response to Duly Making Questions, received on 14/10/24 • Attachment C2_19 'Extracts from Mogas Export Project Control and Operating Philosophy', received on 14/10/24 • Attachment C2_22 'Clarification of flow rates for dispersion modelling, received on 14/10/24 • Attachment C2_23 'Air Dispersion Modelling Results at VOC Emissions of 10mg/Nm³', received on 14/10/24 • Attachment C2_24 'VRU gas emissions Aereon data', received on 14/10/24 	Duly made 11/12/24

Table S1.2 Operating techniques		
Description	Parts	Date Received
	<ul style="list-style-type: none"> Attachment C2_32 'Dispersion Modelling – Basis of EAL', received on 29/10/24 Addendum to Variation Application EPR/TP3301MD/V003 (Air Dispersion Model), received 05/12/24 	
Variation application EPR/TP3301MD/V004 Operating techniques for the VRU	Email explaining the process monitoring and controls to swap between the carbon beds in the Vapour Recovery Unit, prior to achieving the saturation of the duty bed.	16/06/25
Variation application EPR/TP3301MD/V004 Operating techniques for continual emissions monitoring	Email providing additional information on the functional specification, technology, operating principles and standards for the proposed NMVOC continuous emissions	26/06/25

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC1	The Operator shall review the provision of MCERTS certification for the monitoring equipment, personnel and organisations employed for the emissions monitoring programme in condition 3.6.1 and propose a timetable for achieving this standard for any elements for which MCERTS certification exists.	30/06/08 Completed
IC2	<p>A written plan shall be submitted to the Agency for approval detailing the results of a survey of hard-standing, kerbing and secondary containment for raw material, intermediate, product and waste storage areas and the measures to comply with the requirements of section 2.2.2 of Sector Guidance Note S 1.02. Where appropriate the plan shall contain dates for the implementation of individual measures. The notification requirements of condition 2.5.2 shall be deemed to have been complied with on submission of the plan.</p> <p>The plan shall be implemented by the operator from the date of approval by the Agency.</p>	30/06/08 Completed
IC3	<p>The Operator shall review BAT for operation of the floating roof tanks. The Operator shall provide a report to the Agency summarising the findings.</p> <p>Where appropriate the plan shall contain dates for the implementation of individual measures. The notification requirements of condition 2.5.2 shall be deemed to have been complied with on submission of the plan.</p> <p>The plan shall be implemented by the operator from the date of approval by the Agency.</p>	30/06/08 Completed
IC4	<p>Continuous Emissions Monitoring System (CEMS)</p> <p>The Operator shall provide a report to the Environment Agency for assessment and approval describing the proposed methodology to demonstrate the adequate functioning of the CEMS installed to the Vapour Recovery Unit (emission point A2). The methodology shall provide a comparison of the performance of the CEMS to manual extractive sampling results over the same time periods. The report shall include as minimum:</p> <ul style="list-style-type: none"> Proposed method to be used for manual extractive sampling, based on the Environment Agency guidance 'Monitoring stack 	28/02/26

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
	<p>emissions: techniques and standards for periodic monitoring' Updated 12 May 2025</p> <ul style="list-style-type: none"> Proposed reference period for manual extractive sampling Proposed monitoring frequency for manual extractive sampling Justification that the proposed reference period and monitoring frequency is adequate to allow a statistical comparison with the CEMS monitoring <p>The Operator shall carry out the monitoring in accordance with the approved report.</p>	
IC5	<p>The Operator shall provide a report to the Environment Agency for assessment and approval with the results of the monitoring required by IC4.</p> <p>The report shall compare the results of the extractive monitoring carried out according to the methodology approved as part of IC4 with the readings of CEMS and demonstrate that the CEMS monitoring provides comparable results.</p> <p>Where this was not demonstrated, the Operator shall propose corrective actions for approval by the Environment Agency.</p> <p>The operator must implement the proposals as agreed with the Environment Agency's written approval and within the agreed timescales.</p>	6 months after the completion of IC4

Schedule 2 – Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	Specification
Gas Oil or an equivalent substitute to be agreed in writing with the Environment Agency	Sulphur Content 0.1% w/w max

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]	Common boiler stack	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	200 mg/m ³	Periodic	Every 3 years from date of acceptance of first monitoring measurements under condition 3.5.5	MCERTS BS EN 14792 Note 1
		Carbon dioxide	No limit set	Periodic	Every 3 years from date of acceptance of first monitoring measurements under condition 3.5.5	MCERTS BS EN 15058 Note 1
		Sulphur dioxide	--	--	--	--
		Carbon monoxide	--	--	--	--
A2 [Point A2 on site plan in Schedule 7]	Tranmere gasoline loading Vapour Recovery Unit (VRU)	Non-Methane Volatile Organic Compounds (NMVOCs)	10 g/Nm ³	Hourly average	Continuous	In line with the methodology provided in <i>Operating Techniques for the VRU</i> response
		Benzene	1 mg/Nm ³	Hourly average	Continuous	In line with the methodology provided in <i>Operating Techniques for the VRU</i> response
Note 1: Monitoring requirements are defined at a temperature of 273.15 K, a pressure of 101.3 kPa and after correction for the water vapour content of the waste gases at a standardised O ₂ content of 6% for solid fuels, 15% for engines and gas turbines and 3% all other MCPs.						

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 on site plan in Schedule 7	Surface water from the installation, & blowdown from the hot water heating system	Total flow	No limit set	--	--	--
		Temperature	30 degrees Celsius	Spot sample	Weekly	--
		pH	6 - 9	Spot sample	Weekly	ISO 10523 : 1996
		COD	100 mg/l	For 95% of all measured values of periodic samples taken over one year	Weekly	BS ISO 15705 : 2002
			150 mg/l	For 100% of all measured values of periodic samples taken over one year		
		Suspended solids	40 mg/l	For 95% of all measured values of periodic samples taken over one year	Weekly	BS EN 872 : 2005
		Hydrocarbon oil	10 mg/l	Spot sample	Weekly	SCA blue book 77 ISBN 0117517283

Schedule 4 – Reporting

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

Table S4.1 Reporting of monitoring data			
Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Emissions to air Parameters as required by condition 3.5.1.	A1	Every 3 years from date of acceptance of first monitoring measurements under condition 3.5.5	1 January
	A2	Every 12 months	1 January
Emissions to water Parameters as required by condition 3.5.1	W1	Every 6 months	1 January, 1 July

Table S4.2: Annual production/treatment	
Parameter	Units
Crude oil processing and handling	tonnes

Table S4.3 Performance parameters		
Parameter	Frequency of assessment	Units
Water usage	Annually	tonnes
Energy usage	Annually	MWh
Fugitive VOC emissions to air	Annually	kg

Table S4.4 Reporting forms		
Media/parameter	Reporting format	Date of form
Air	Form air 1 or other form as agreed in writing by the Environment Agency	08/03/2021
Water	Form water 1 or other form as agreed in writing by the Environment Agency	08/03/2021
Water usage	Form water usage 1 or other form as agreed in writing by the Environment Agency	08/03/2021
Energy usage	Form energy 1 or other form as agreed in writing by the Environment Agency	08/03/2021
Other performance indicators	Form performance 1 or other form as agreed in writing by the Environment Agency	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	

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

“compliance date” means 01/01/2025 for existing MCPs with net rated thermal input of greater than 5MW or 01/01/2030 for existing MCPs with a net rated thermal input of less than or equal to 5MW.

“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 or background concentration limit.

“existing MCP” means an MCP first put into operation before 20/12/2018.

“gas oil” includes diesel and is defined in Article 3(19) of the MCPD.

“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.

“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.

“new MCP” means an MCP first put into operation on or after 20/12/2018.

“operating hours” means the time, expressed in hours, during which a combustion plant is operating and discharging emissions into the air, excluding start-up and shut-down periods.

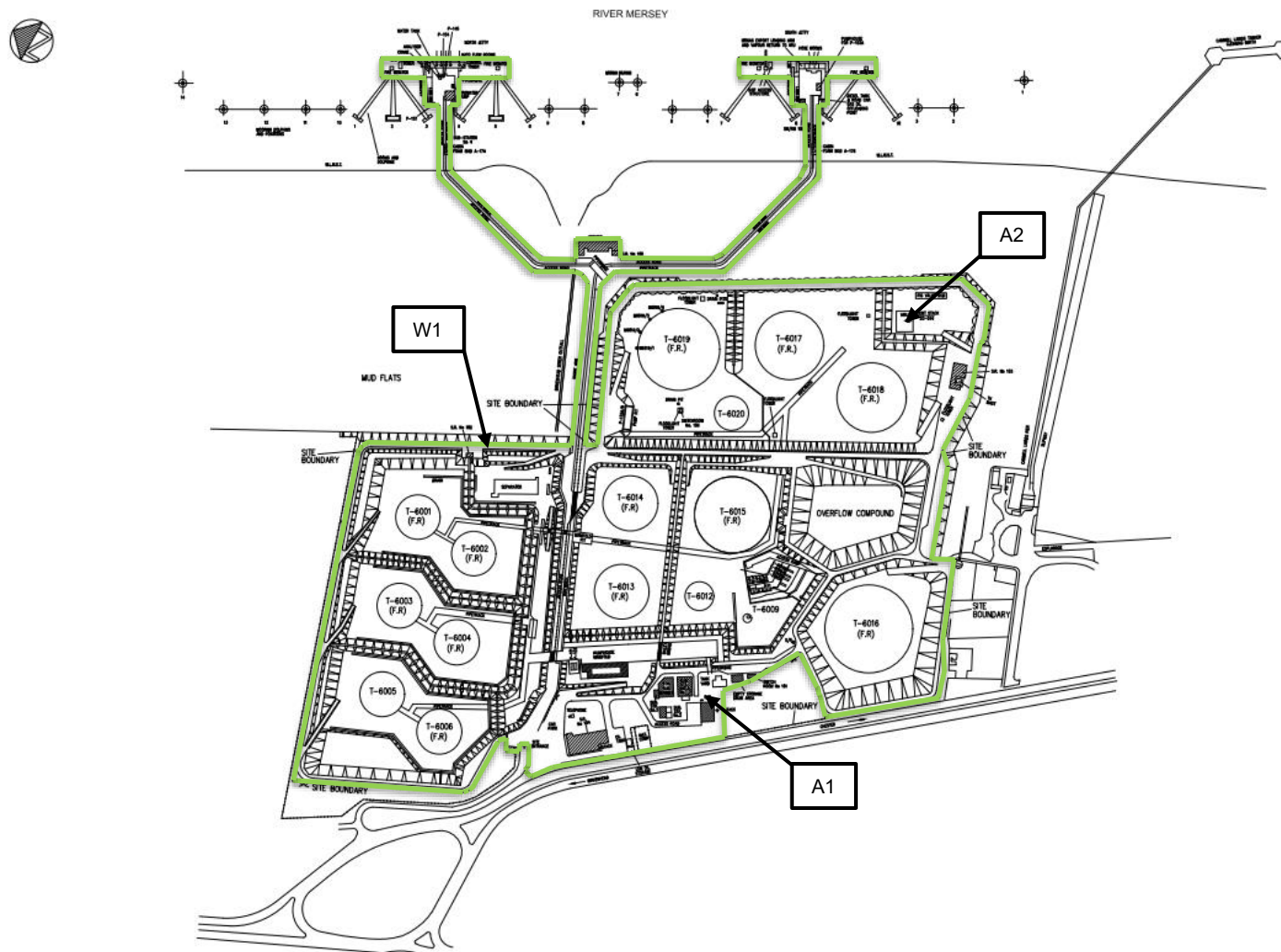
“year” means calendar year ending 31 December.

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, 6% dry for solid 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.

Schedule 7 – Site plan



END OF PERMIT