

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Recyc-Oil Ltd
Murdock Road Oil Treatment Plant
Murdock Road
East Middlesbrough Industrial Estate
Middlesbrough
Teesside
TS3 8TB

Variation application number

EPR/AP3930UJ/V006

Permit number

EPR/AP3930UJ

Murdock Road Oil Treatment Plant

Permit number EPR/AP3930UJ

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 notice & statutory review

The Industrial Emissions Directive (IED) came into force on 7 January 2014 with the requirement to implement all relevant Best Available Techniques (BAT) Conclusions as described in the Commission Implementing Decision. Article 21(3) of the IED requires the Environment Agency to review conditions in permits that it has issued and to ensure that the permit delivers compliance with relevant standards, within four years of the publication of updated decisions on Best Available Techniques (BAT) Conclusions. The BAT Conclusions for Waste Treatment (the BREF) was published on 17 August 2018 following a European Union wide review of BAT, implementing decision (EU) 2018/1147 of 10 August 2018.

On 18 November 2020, Chemical waste: appropriate measures for permitted facilities guidance was published on gov.uk. The guidance explains the standards that are relevant to regulated facilities with an environmental permit to treat or transfer chemical waste, providing indicative BAT for those sites.

This permit variation has been issued to update some of the conditions following a statutory review of the permits in the chemical waste treatment and transfer sector and to implement the appropriate measures guidance. The opportunity has also been taken to consolidate the original permit and subsequent variations where appropriate.

A variation requested by the operator has also been undertaken and this is to the Section 5.3 Part A(1)(a)(ii) activity to replace the filter box system with a centrifuge and disc stack process. This variation is an improvement to the process which enhances the oil recovery on site.

The main features of the installation

The site is located on Murdock Road on East Middlesbrough Industrial Estate, Middlesbrough. The centre of the site is located at national grid reference NZ526199. The site covers an area of 0.2 Ha. The site is bounded to the North by Sotherby Road and to the South and West backs onto other industrial properties of the East Middlesbrough Industrial Estate. The site is accessed from the East from Murdock Road.

Waste oils and oily waste is accepted on site from various clients where it is stored at the installation in tanks. Heat is applied to the tanks at 90°C by the means of a steam boiler (Considered an existing MCP 1.2MWth). The waste is then pumped into a decanter centrifuge for processing.

After the initial centrifuge stage if the waste is still not of sufficient quality, it is then passed through a disc stack centrifuge. This produces a high-quality oil, an effluent and an oil/sludge residue. This residue is sent back to the beginning of the process for further treatment to enable the maximum amount of oil to be recovered. Any sludge which cannot be reprocessed through the system is sent offsite for disposal. Recovered oil is sent off site to a third-party for reprocessing.

Emissions to air on site arise from the displacement of air through tank vents from the filling and emptying process. The four heated process tanks and disc stack vent to a breather tank and carbon filter abatement (A12). The decanter centrifuge vents through carbon filter abatement (A16). The principal releases consist of Volatile Organic Compounds (VOCs).

There is a gas oil powered steam raising boiler (existing medium combustion plant) present at the installation which has a thermal output of 1.2 MW.

The installation discharges wastewater from the oil water separation process via foul sewer under consent from Northumbrian Water.

Wastes produced by the installation include oil sludge. Waste management procedures are in place to control the storage and handling of wastes in such a way as to minimise local impacts and facilitate recycling or recovery wherever possible.

Recyc-oil is a wholly owned subsidiary of Cleansing Service Group (CSG). CSG operates an environmental management system (EMS) certified to ISO14001, although the Recyc-Oil site is not a named site under this management system all their practices fall under this system.

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.

Status log of the permit		
Description	Date	Comments
Application EPR/AP3930UJ received	31/01/2007	-
Additional information requested	05/07/2007	Response received 11/07/07.
Additional information requested	24/07/2007	Response received 03/08/07.
Permit determined EPR/AP3930UJ	30/10/2007	Original permit issued to Recyc-oil Ltd.
Variation application EPR/AP3930UJ/V002 received	Duly made 26/09/2013	Application to add additional waste codes.
Variation application EPR/AP3930UJ/V002 determined	16/10/2013	Variation notice issued.
Agency variation determined EPR/AP3930UJ/V003	28/11/2013	Agency variation to implement the changes introduced by IED.
EPR/AP3930UJ/V004	19/05/2014	Application returned.
Regulation 61 Notice sent to Operator	15/11/2021	Regulation 61 Notice requiring information for statutory review of permit.
Regulation 61 Notice response	25/03/2022	Response received from the operator.
Application EPR/AP3930UJ/V005 (variation and consolidation)	Duly Made 19/08/2022	Application to vary the Section 5.3 Part A(1)(a)(ii) activity to replace the filter box system with a centrifuge and disc stack process.
Additional Information Schedule 5 notice related to V005 dated 03/02/2023	03/03/2023	Schedule 5 response questions 1, 3 and 4.
Additional information Schedule 5 notice related to V005 dated 03/02/2023	10/03/2023	Schedule 5 response question 2.
Application (variation and consolidation) EPR/AP3930UJ/V006	Environment Agency Initiated Variation	Statutory review of permit occasioned by Waste Treatment BAT Conclusions published on 17 August 2018 and Chemical waste: appropriate measures for permitted facilities published 18 November 2020.

Status log of the permit		
Description	Date	Comments
Variation determined EPR/AP3930UJ/V005 Billing ref. BP3843QP Environment Agency Waste Treatment Sector Review Permit reviewed Variation determined EPR/AP3930UJ/V006	08/08/2023	Varied and consolidated permit issued. Inclusive of Operator Variation and Environment Agency Permit Review.

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/AP3930UJ

Issued to

Recyc-Oil Ltd (“the operator”)

whose registered office is

**Chartwell House
Barnes Wallis Road
Segensworth East
Fareham
Hampshire
England
PO15 5TT**

company registration number 05750073

to operate a regulated facility at

**Murdock Road Oil Treatment Plant
Murdock Road
East Middlesbrough Industrial Estate
Middlesbrough
Teesside
TS3 8TB**

to the extent set out in the schedules.

The notice shall take effect from 08/08/2023.

Name	Date
Vicky Patchett	08/08/2023

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, and 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/AP3930UJ

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/AP3930UJ/V005 authorising,

Recyc-Oil Ltd (“the operator”),

whose registered office is

**Chartwell House
Barnes Wallis Road
Segensworth East
Fareham
Hampshire
England
PO15 5TT**

company registration number 05750073

to operate an installation at

**Murdock Road Oil Treatment Plant
Murdock Road
East Middlesbrough Industrial Estate
Middlesbrough
Teesside
TS3 8TB**

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

Name	Date
Vicky Patchett	08/08/2023

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.
- 1.1.4 The operator shall comply with the requirements of an approved competence scheme.

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”).
- 2.1.2 Waste authorised by this permit shall be clearly distinguished from any other waste on the site.

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 Waste shall only be accepted if:
- (a) it is of a type and quantity listed in schedule 2 table S2.2; and
 - (b) it conforms to the description in the documentation supplied by the producer and holder.
- 2.3.5 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.
- 2.3.6 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.
- 2.3.7 Hazardous waste shall not be mixed, either with a different category of hazardous waste or with other waste, substances or materials, unless it is authorised by schedule 1 table S1.1 and appropriate measures are taken.

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, S3.2;
 - (b) process monitoring specified in table S3.3;
- 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.

3.7 Fire prevention

- 3.7.1 The operator shall take all appropriate measures to prevent fires on site and minimise the risk of pollution from them including, but not limited to, those specified in any approved fire prevention plan.

3.7.2 The operator shall:

- (a) if notified by the Environment Agency that the activities are giving rise to a risk of fire, submit to the Environment Agency for approval within the period specified, a fire prevention plan which prevents fires and minimises the risk of pollution from fires;
- (b) implement the fire prevention 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.

- 4.2.5 Within 1 month of the end of each quarter, the operator shall submit to the Environment Agency using the form made available for the purpose, the information specified on the form relating to the site and the waste accepted and removed from it during the previous quarter.

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 and WFD Annex I and II operations	Limits of specified activity and waste types
AR1	<p>Section 5.3 Part A(1)(a)(ii)</p> <p>Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment.</p>	<p>Treatment of waste oils for recovery.</p> <p>R3 - Recycling/reclamation of organic substances which are not used as solvents.</p>	<p>From treatment of oily waters, oils and oily wastes by blending, dewatering, heating and separating (including chemical flocculation and neutralisation) in tanks 1, 2, 14 & 15, the decanter centrifuge and disc stack centrifuge, to storage of recovered waste oil and associated wastes.</p> <p>No more than 240 tonnes per day of hazardous waste shall be treated.</p> <p>The treatment of wastes shall not result in oils being mixed where this could negatively affect their regeneration or recycling</p> <p>The following raw materials may be used in the treatment:</p> <ul style="list-style-type: none"> • Flocculants • Neutralising Agents – Acid, Alkali or both <p>The treatment of waste shall not result in deliberate dilution of hazardous substances.</p> <p>Treatment shall take place outside and on an impermeable surface with sealed drainage and secondary containment.</p> <p>No more than 139.2 tonnes of recovered oil, shall be stored on site at any one time in tanks 5, 6 and 11 identified in the site plan 2 in schedule 7.</p> <p>No more than 20 tonnes of treated sludge waste, shall be stored on site at any one time.</p> <p>Treated waste shall be stored for no longer than 6 months prior to transfer off-site.</p> <p>No waste types shall be submitted to this activity other than those hazardous wastes specified in Schedule 2, Table S2.2.</p>
AR2	<p>Section 5.6 Part A(1)(a)</p> <p>Temporary storage of hazardous waste with a total capacity exceeding 50 tonnes.</p>	<p>Temporary storage of hazardous waste.</p> <p>R13 - Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection,</p>	<p>From receipt and storage of hazardous waste on site to its treatment, blending or its transfer off-site.</p> <p>The amount of hazardous waste stored on site at any one time shall not exceed 958 tonnes.</p>

Table S1.1 activities			
Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types
		on the site where the waste is produced). Storage of waste oil.	Waste shall be stored on impermeable surfacing with sealed drainage. Wastes stored in bulk shall be stored in tanks 1-10 at the locations identified on site plan 2 in Schedule 7 All wastes shall be stored on site for no longer than 6 months. No waste types shall be submitted to this activity other than those hazardous wastes specified in Schedule 2, Table S2.2.
Directly Associated Activity			
AR3	Supply of utilities and services	Operation of systems for supply of utilities and services such as steam and electricity.	Utilities and services systems within the installation boundary, including gas oil fired boiler plant of capacity 1.2 MWth.
AR4	Surface water and process water collection and storage	Collection and storage of contaminated site surface water and process water from oily wastes treatment process.	From the collection of contaminated site surface and process water from oily wastes treatment process to discharge to sewer.
AR5	Raw material handling and storage.	Raw material handling and storage.	From receipt and storage to point of use.

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application EPR/AP3930UJ/V005	Response to form C2 question 2b non-technical summary	15/11/2021
Response to schedule 5 Application EPR/AP3930UJ/V005	CSG070622.0223 BAT Assessment 2802AG – Centrifuge Bund Capacity Calculation	03/03/2023
Response to schedule 5 Application EPR/AP3930UJ/V005	Schedule 5 Response Letter Response 10 th March 2023 189.0903 – H1 Methodology CSG Recyc-Oil – Emissions to air sections ONLY	10/03/2023
Further information Application EPR/AP3930UJ/V005	189.0903.2 Calculation on Emission Load	22/03/2023
Chemical waste: appropriate measures for permitted facilities Version published 18 November 2020	All parts of the appropriate measures guidance shall apply other than: <ul style="list-style-type: none">those parts to which an improvement programme requirement applies in Table S1.3 (and only until the date that the improvement has been or must be met, whichever is the earlier.)	N/A

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC1	<p>The operator shall submit a written plan to the Environment Agency for technical assessment and approval. The plan must contain the final designs and an implementation schedule for the capture of emissions from cold oil storage tanks in line with the Best Available Techniques Conclusions for Waste Treatment and appropriate measures of technical guidance Chemical waste: appropriate measures for permitted facilities. The plan should include a program of works with timescales for the commissioning of the covering of cold oil storage tanks and the capture and abatement of emissions of Total Volatile Organic Compounds and speciated VOCs.</p> <p>The agreed proposals shall be implemented in line with the agreed timescales.</p>	Issue date + 2 months
IC2	<p>The operator shall carry out a review of the abatement plant, emission point A12 on site, to determine whether the abatement remains effective following the inclusion of emissions from the cold oil storage tanks. The operator shall submit a written report to the Environment Agency following this review for assessment and approval.</p> <p>The report shall include but not be limited to the following aspects:</p> <ul style="list-style-type: none"> • Full investigation and characterisation of the waste gas stream • Evidence that the pollutants of the waste gas stream will be controlled and/or abated by the abatement plant • Abatement stack monitoring results. 	As agreed under IC1
IC3	<p>The operator shall submit a sampling programme in relation to wastewater streams and shall obtain the Environment Agency's written approval to it. The sampling programme shall be designed to fully characterise the waste waters discharged from emission point S1.</p> <p>The programme shall detail the sampling methods/standards used. Sampling methods shall be in line with the BAT conclusion 20 of the Best Available Techniques Conclusions for Waste Treatment and appropriate measures of technical guidance Chemical waste: appropriate measures for permitted facilities.</p> <p>The programme shall establish the characteristics of the liquid wastewater streams and shall include as a minimum for each emission point:</p> <ul style="list-style-type: none"> • Average values and variability of flow, pH, temperature and conductivity • Average concentration and load values of all relevant substances and their variability. <p>The programme shall sample for all relevant substances but must include:</p> <ul style="list-style-type: none"> • Hydrocarbon oil index (HOI) (mg/l) • Metals and metalloids; arsenic (expressed as As), cadmium (expressed as Cd), chromium (expressed as Cr), hexavalent chromium (expressed as Cr(VI)), copper (expressed as Cu), lead (expressed as Pb), nickel (expressed as Ni), mercury (expressed as Hg), zinc (expressed as Zn) (µg/l) <p>The sampling programme shall be produced in line with Environment Agency guidance:</p> <ul style="list-style-type: none"> • Specific substances and priority hazardous substances – Surface water pollution risk for your environmental permit. Surface water pollution risk assessment for your environmental permit - GOV.UK (www.gov.uk). • Monitoring discharges to water: guidance on selecting a monitoring approach. Monitoring discharges to water: guidance on selecting a monitoring approach - GOV.UK (www.gov.uk). <p>The programme must be carried out as approved or agreed in advance in writing by the Environment Agency.</p>	Issue date + 3 months

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC4	<p>The operator shall submit a report for audit and approval by the Environment Agency, following completion of the sampling programme referred to in IC3. The report shall include but not be limited to; a summary of the sample results, a completed H1 risk assessment(s) and modelling outputs where appropriate.</p> <p>The operator shall provide conclusions on whether the waste waters discharged to S1 will have any adverse impact on the receiving waters once discharged from Bran Sands WwTW. An assessment shall be made against the parameters specified in the relevant environmental standards as specified within our guidance as follows:</p> <ul style="list-style-type: none"> • Specific substances and priority hazardous substances – Surface water pollution risk for your environmental permit. Surface water pollution risk assessment for your environmental permit - GOV.UK (www.gov.uk). <p>The report shall include any proposals and/or additional measures required to prevent or minimise any significant emissions from the installation along with timescales for implementation.</p>	As agreed under IC3
IC5	<p>The operator shall implement the improvements identified within any audited report approved by the Environment Agency under IC4 and provide written confirmation to the Environment Agency that the improvements have been made.</p>	As agreed under IC4
IC6	<p>The operator shall submit an odour management plan to the Environment Agency for written agreement. The plan shall take into account the appropriate measures for odour control specified in technical guidance Chemical waste: appropriate measures for permitted facilities and H4 - Odour Management.</p> <p>Once the odour management plan has been agreed with the Environment Agency, the installation must be operated in accordance with this management plan.</p> <p>The odour management plan should address but should not be limited to:</p> <ul style="list-style-type: none"> • controls and improvements to be made to the cake and solids skip. • Housekeeping to prevent odour 	Issue date + 3 months
IC7	<p>The operator shall review the design, method of construction and integrity of the site's secondary containment surrounding the bulk storage vessels. This review shall be carried out by a qualified civil or structural engineer. The review shall compare the constructed secondary containment against the standards set out in CIRIA C736 – Containment Systems for the Prevention of Pollution – secondary, tertiary and other measures for industrial and commercial premises or other relevant industry standard or such other subsequent guidance as may be agreed in writing from the Environment Agency.</p> <p>The review shall include:</p> <ul style="list-style-type: none"> • The physical condition of the secondary containment; • The suitability for providing containment when subjected to the dynamic and static loads caused by catastrophic tank failure; • Any work required to ensure compliance with the standards set out in CIRIA C736, Chemical waste: appropriate measures for permitted facilities or other relevant industry standard, including high level alarms; • Timescales for any improvement necessary; and • A preventative maintenance and inspection regime. <p>The written report of the review shall be submitted to the Environment Agency for approval including timescales for the implementation of any remedial works proposed. The operator shall implement the improvements to the approved timescales.</p>	Issue date +6 months

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC8	<p>The operator shall review and update their written management system (referred to in condition 1.1.1) to ensure that they meet the requirements of the Environment Agency's guidance Chemical waste: appropriate measures for permitted facilities. Specifically, the operator must demonstrate that the following appropriate measure(s) of the guidance will be met:</p> <ul style="list-style-type: none"> i) an energy efficiency plan ii) a water management plan which conforms with guidance iii) a residues management plan. <p>A copy of the updated procedure(s) shall be submitted to the Environment Agency for approval.</p>	Issue date + 6 months
IC9	<p>The operator shall submit a written 'leak detection and repair plan', and associated procedures and shall obtain the Environment Agency's written approval to it. The plan will identify, measure and reduce fugitive emissions of volatile organic compounds and other relevant substances to air, appropriate to their operations and in accordance with European standard EN15446 or an equivalent standard.</p> <p>The plan shall be implemented in accordance with the Environment Agency's written approval.</p>	Issue date + 3 months

Schedule 2 – Waste types, raw materials and fuels

Raw materials and fuel description	Specification
-	-

Maximum quantity	Maximum throughput: 24874 tonnes/year Maximum storage capacity: 958 tonnes
Waste code	Description
12	Wastes from shaping and physical and mechanical surface treatment of metals and plastics
12 01	Wastes from shaping and physical and mechanical surface treatment of metals and plastics
12 01 06*	mineral-based machining oils containing halogens (except emulsions and solutions)
12 01 07*	mineral-based machining oils free of halogens (except emulsions and solutions)
12 01 08*	machining emulsions and solutions containing halogens
12 01 09*	machining emulsions and solutions free of halogens
12 01 10*	synthetic machining oils
13	Oil wastes and wastes of liquid fuels (except edible oils, and those in chapters 05, 12 and 19)
13 01	Waste hydraulic oils
13 01 05*	non-chlorinated emulsions
13 01 10*	mineral based non-chlorinated hydraulic oils
13 01 11*	synthetic hydraulic oils
13 01 12*	readily biodegradable hydraulic oils
13 01 13*	other hydraulic oils
13 02	waste engine, gear and lubricating oils
13 02 05*	mineral-based non-chlorinated engine, gear and lubricating oils
13 02 06*	synthetic engine, gear and lubricating oils
13 02 08*	other engine, gear and lubricating oils
13 03	waste insulating and heat transmission oils
13 03 07*	mineral-based non-chlorinated insulating and heat transmission oils
13 03 08*	synthetic insulating and heat transmission oils
13 03 10*	other insulating and heat transmission oils
13 04	bilge oils
13 04 01*	bilge oils from inland navigation
13 04 03*	bilge oils from other navigation
13 05	oil/water separator contents
13 05 01*	solids from grit chambers and oil/water separators
13 05 02*	sludges from oil/water separators

Table S2.2 Permitted waste types and quantities for oil storage and treatment	
Maximum quantity	Maximum throughput: 24874 tonnes/year Maximum storage capacity: 958 tonnes
Waste code	Description
13 05 03*	interceptor sludges
13 05 06*	oil from oil/water separators
13 05 07*	oily water from oil/water separators
13 05 08*	mixtures of wastes from grit chambers and oil/water separators
13 07	wastes of liquid fuels
13 07 01*	fuel oil and diesel
13 07 03*	other fuels (including mixtures)
13 08	oil wastes not otherwise specified
13 08 01*	desalter sludges or emulsions
13 08 02*	other emulsions
16	Waste not otherwise specified in the list
16 07	Wastes from transport tank, storage tank and barrel cleaning (except 05 and 13)
16 07 08*	Wastes containing oil
19	Waste not otherwise specified in the list
19 02	Waste from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)
19 02 07*	oil and concentrates from separation

Schedule 3 – Emissions and monitoring

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter (Note 1)	Limit (including unit)	Reference period	Monitoring frequency (Note 2)	Monitoring standard or method
Emissions from cold oil storage tank vents from tanks 3 to 12 as shown as points A1 to A7 and A13 to A15 on site plan 2 in schedule 7	Cold oil storage tank vents	Total volatile organic compounds (TVOCs) (Note 5)	No limit set (Note 5)	Average value of 3 consecutive measurements of at least 30 minutes each (Note 5)	Every 6 months (Note 5)	BS EN 12619 (Note 5)
		Speciated volatile organic compounds (VOCs) (Note 4, 5)	No limit set (Note 5)	Average value of 3 consecutive measurements of at least 30 minutes each (Note 5)	Every 6 months (Note 5)	BS PD CEN/TS 13649 (Note 5)
A11 (Point A11 on site plan 2 in schedule 7)	Steam raising boiler	-	-	-	-	-
Emission from carbon filter attached to breather tank A12, from process tanks 1, 2, 14, 15 and disc stack as shown on site plan 2 in schedule 7	Breather Tank abated through a carbon filter	Total volatile organic compounds (TVOCs)	30 mg/m ³ (Note 3)	Average value of 3 consecutive measurements of at least 30 minutes each	Every 6 Months	EN 12619
		Speciated volatile organic compounds VOCs (Note 4)	No limit set	Average value of 3 consecutive measurements of at least 30 minutes each	Every 6 Months	PD CEN/TS 13649
Emission from carbon filter attached to decanter centrifuge, A16 as shown as point A16 on site plan 2 in schedule 7	Decanter Centrifuge	Total volatile organic compounds (TVOCs)	30 mg/m ³ (Note 3)	Average value of 3 consecutive measurements of at least 30 minutes each	Every 6 Months	EN 12619
		Speciated volatile organic compounds VOCs (Note 4)	No limit set	Average value of 3 consecutive measurements of at least 30 minutes each	Every 6 Months	PD CEN/TS 13649
<p>Note 1: In addition the operator should also be monitoring relevant waste gas parameters including: flow, temperature, average concentration/load values of relevant substances (e.g. organic compounds, POPs such as PCBs) flammability, lower and upper explosive limits, reactivity and other substances which may affect gas treatment or plant safety (e.g. oxygen, nitrogen, water vapour, dust).</p> <p>Note 2: To the extent possible, the measurements shall be carried out at the highest expected emission state under normal operating conditions.</p>						

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter (Note 1)	Limit (including unit)	Reference period	Monitoring frequency (Note 2)	Monitoring standard or method
<p>Note 3: This limit does not apply if there are no carcinogenic, mutagenic or toxic for reproduction (CMR) substances present in the emission and the emission load is below 2 kg/h at the emission point.</p> <p>Note 4: All speciated VOCs and their concentrations shall be reported.</p> <p>Note 5: Applies until completion of ICs 1-2 and vents through A12.</p>						

Table S3.2 Point source emissions to sewer, effluent treatment plant or other transfers off-site – emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter (Note 2)	Limit (incl. unit) (Note 3)	Reference period (Note 4)	Monitoring frequency (Note 3)	Monitoring standard or method
S1 - Emission point S1 on site plan 2 in schedule 7 – emission to Northumbrian Water Bran Sands Sewage Treatment Works via an onsite interceptor. (Note 1)	Site surface water runoff and water from oil/water separation	Arsenic (expressed as As)	0.05 mg/l	-	Monthly	EN ISO 11885 EN ISO 17294-2 EN ISO 15586
		Cadmium (expressed as Cd)	0.05 mg/l	-	Monthly	EN ISO 11885 EN ISO 17294-2 EN ISO 15586
		Chromium (expressed as Cr)	0.15 mg/l	-	Monthly	EN ISO 11885 EN ISO 17294-2 EN ISO 15586
		Copper (expressed as Cu)	0.5 mg/l	-	Monthly	EN ISO 11885 EN ISO 17294-2 EN ISO 15586
		Lead (expressed as Pb)	0.1 mg/l	-	Monthly	EN ISO 11885 EN ISO 17294-2 EN ISO 15586
		Nickel (expressed as Ni)	0.5 mg/l	-	Monthly	EN ISO 11885

Table S3.2 Point source emissions to sewer, effluent treatment plant or other transfers off-site – emission limits and monitoring requirements

Emission point ref. & location	Source	Parameter (Note 2)	Limit (incl. unit) (Note 3)	Reference period (Note 4)	Monitoring frequency (Note 3)	Monitoring standard or method
						EN ISO 17294-2 EN ISO 15586
		Mercury (expressed as Hg)	5 µg/l	-	Monthly	EN ISO 11885 EN ISO 17294-2 EN ISO 15586
		Zinc (expressed as Zn)	1 mg/l	-	Monthly	EN ISO 11885 EN ISO 17294-2 EN ISO 15586
		PFOA	No limit set	-	Every 6 months	BS ISO 25101
		PFOS	No limit set	-	Every 6 months	BS ISO 25101

Note 1: The limits shall apply from August 2024 or otherwise as agreed with the Environment Agency.

Note 2: In addition the operator should also be monitoring relevant waste water parameters including: flow, pH, temperature and conductivity.

Note 3: Further emission limits and monitoring requirements to be agreed in accordance with the outcomes of IC3-IC5.

Note 4: Relevant reference period:

- In the case of continuous discharge, daily average values, i.e. 24-hour flow-proportional composite samples.
- In the case of batch discharge, average values over the release duration taken as flow-proportional composite samples, or, provided that the effluent is appropriately mixed and homogeneous, a spot sample taken before discharge.

Table S3.3 Process monitoring requirements				
Emission point reference or source or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
A12 breather tank abatement and A16 Centrifuge abatement Carbon filters used for abatement (adsorption) of air emission points A12 and A16 as detailed in Plan 2 of Schedule 7 dated Y	Efficiency assessment	Weekly or as agreed through IC2	Carbon filter(s) shall be installed, maintained, operated and replaced in accordance with the manufacturer's recommendations.	-

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
Point source emissions to air Parameters as required by condition 3.5.1	A1, A2, A3, A4, A5, A6, A7, A12, A13, A14, A15, A16	Every 12 months	1 January
Process monitoring Parameters as required by condition 3.5.	Carbon filter abatement system serving A12 & A16	Every 12 months	1 January

Table S4.2 Annual production/treatment	
Parameter	Units
Hazardous waste treated	tonnes

Table S4.3 Performance parameters		
Parameter	Frequency of assessment	Units
Water usage	Annually	m ³
Energy usage	Annually	MWh
Other performance parameters	Annually	tonnes per production unit

Table S4.4 Reporting forms		
Parameter	Reporting form	Form version number and date
Emissions to air	Emissions to Air Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
Emissions to Sewer	Emissions to Sewer Reporting Form: version 1 or other form as agreed in writing by the Environment Agency	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	

(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.

“container” is a receptacle for waste for example bags, bins, boxes, drums, IBCs and blister packs. Wastes may be packaged in more than one receptacle for example a bag in a box.

“D” means a disposal operation provided for in Annex I to Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on Waste.

“disposal” means any of the operations provided for in Annex I to the Waste Framework Directive.

“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 or background concentration 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.

“Hazardous property” has the meaning in Annex III of the Waste Framework Directive.

“Hazardous waste” has the meaning given in the Hazardous Waste (England and Wales) Regulations 2005.

“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.

“List of Wastes” means the list of wastes established by Commission Decision 2000/532/EC replacing Decision 94/3/EC establishing a list of wastes pursuant to Article 1(a) of Council Directive 75/442/EEC on waste and Council Decision 94/904/EC establishing a list of hazardous waste pursuant to Article 1(4) of Council Directive 91/689/EEC on hazardous waste.

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

“quarter” means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

“R” means a recovery operation provided for in Annex II to Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on Waste.

“recovery” means any of the operations provided for in Annex II to the Waste Framework Directive.

“volatile organic compound” (VOC) means any organic compound as well as the fraction of creosote, having at 293.15 K a vapour pressure of 0.01 kPa or more, or having a corresponding volatility under the particular conditions of use.

“Waste code” means the six digit code referable to a type of waste in accordance with the List of Wastes and in relation to hazardous waste, includes the asterisk.

“Waste Framework Directive” or “WFD” means Waste Framework Directive 2008/98/EC of the European Parliament and of the Council on waste, 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, 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 "year" means calendar year ending 31 December.

When the following terms appear in the waste code list in Schedule 2, table 2.2, for that table, they have the meaning given below:

'hazardous substance' means a substance classified as hazardous as a consequence of fulfilling the criteria laid down in parts 2 to 5 of Annex I to Regulation (EC) No 1272/2008.

'heavy metal' means any compound of antimony, arsenic, cadmium, chromium (VI), copper, lead, mercury, nickel, selenium, tellurium, thallium and tin, as well as these materials in metallic form, as far as these are classified as hazardous substances.

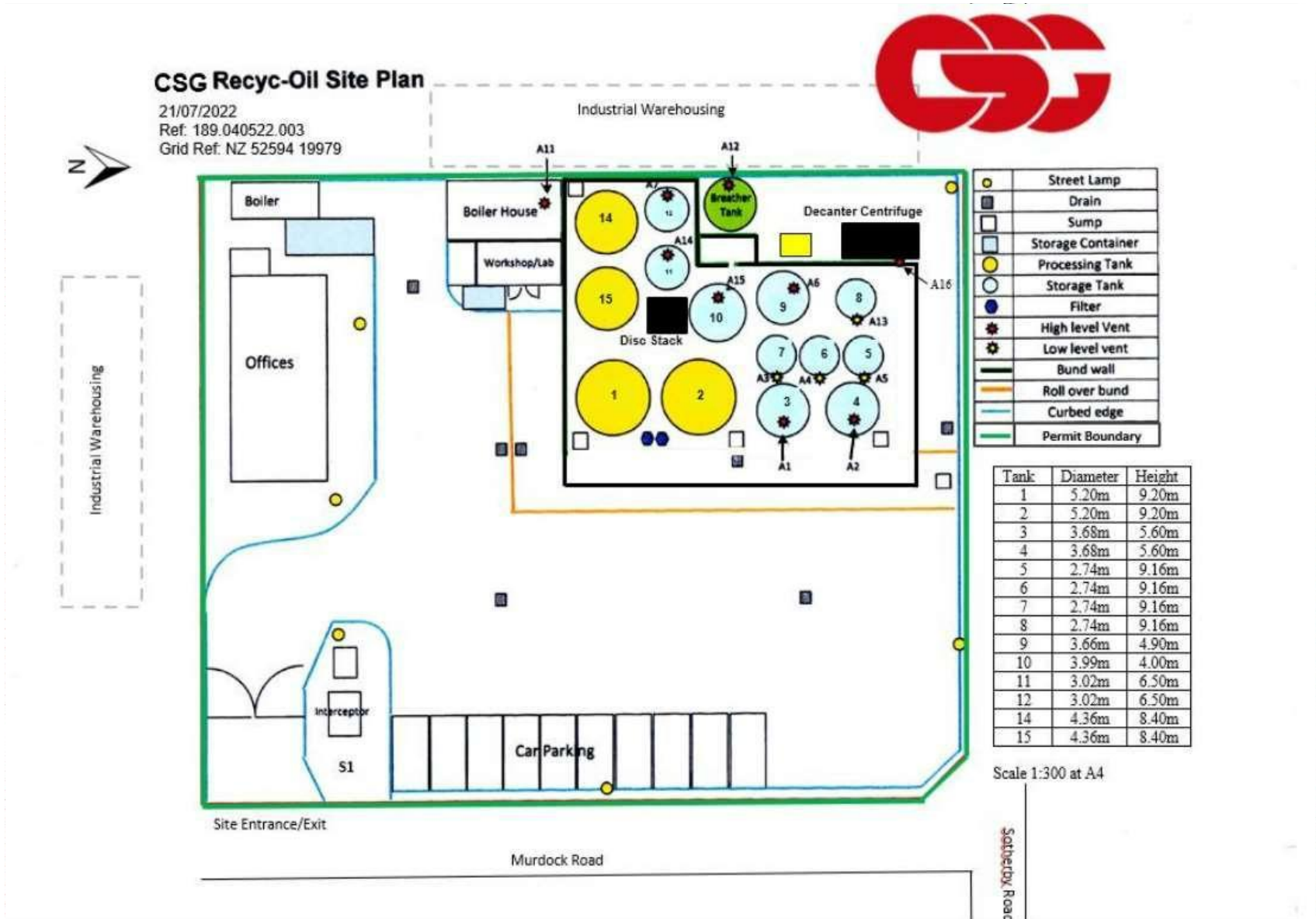
Schedule 7 – Site plan's

Site Plan 1



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Site Plan 2



END OF PERMIT

Permit number
 EPR/AP3930UJ