Environmental Permit Variation Application

PSH Environmental Limited

5 Wendover Road,
Rackheath Industrial Estate,
Norwich,
Norfolk,
NR13 6LH

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Change log

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1	Original Permit Variation Report.	Lauren Raby	Tracey Westbury	03 June 2024
2	Changes to Section 4	Tracey Westbury	Tracey Westbury	16 July 2024

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1. Introduction

1.1. Westbury Environmental Limited have been instructed to prepare this Environmental Permit variation application on behalf of PSH Environmental Limited (Operator). The variation application is for the site at 5 Wendover Road, Rackheath Industrial Estate, Norwich, Norfolk, NR13 6LH (Site). The permit boundary and Site Layout are shown on Drawing No. 21/023f 001 Permit Boundary Plan and Drawing No. 21/023k 001 Site Layout Plan.

1.2. This permit variation application seeks to make the following change to the Environmental Permit Ref. EPR/WP3594NR.

- Include the treatment process of washing.
- Increase the annual throughput for recycling from 150,000 tonnes per year to 250,000 tonnes per year.

1.3. The relevant Environment Agency forms (Part A, C2, C4 and F1) and supporting information are included with this Environmental Permit application report.

Permit History

1.4. A consolidated Environmental Permit (EPR/WP3594NR) was issued in December 2015, which combined EAWML 71502 and EAWML 70555.

1.5. As part of the consolidation variation, the Environmental Permit was transferred to PSH Environmental Limited.

EAWML 70555

1.6. The original Environmental Permit (Waste Management Licence) was issued in March 1996 to an organisation of individuals (Mr Alan W Parker, Mrs Pearl J Parker, Mr Martyn Parker and Mr Nigel Parker), trading as Parkers Skip Hire.

1.7. In June 2005, the Environmental Permit was varied to increase the annual throughput and storage quantities.

EAWML 71502

1.8. EAWML 71502 was issued to PSH Environmental Ltd in August 2008 for waste station operations.

EPR/WP3594NR

1.9. In July 2018, an Environmental Permit (EPR/WP3594NR) was issued which increased the tonnage of pre-treatment waste for incineration. As the proposed tonnage exceeded 75 tonnes per day, the operation is regulated as a Schedule 1 Activity under the Industrial Emissions Directive.

1.10. The Environmental Permit (EPR/WP3594NR) is currently under review by the Environment Agency under the Regulation 61 Notice for non-hazardous waste. This variation includes the inclusion of waste codes that were currently allowed on Site under waste exemptions as well as other changes that are being brought in as part of all Regulation 61 Notices.

Operator Details

1.11. Company details, including information regarding the director of the company, are provided below:

Company Name	PSH Environmental Limited
Company Number	03545734
Registered Address	5 Wendover Road, Rackheath Industrial Park, Norwich, Norfolk, NR13 6LH

Incorporation Date	14 April 1998
Companies House Link	https://find-and-update.company-information.service.gov.uk/company/03545734
Director Name 1	Martyn Parker
Director Date of Birth 1	[redacted]
Director Name 2	Nigel Parker
Director Date of Birth 2	[redacted]
Director Name 3	Jessie Pearl Parker
Director Date of Birth 3	[redacted]

2. Site Location

2.1. The Site is located approximately 7km northeast of Norwich and approximately 250m southwest Wroxham Road (A1151). The Site is accessed off Wendover Road.

2.2. The Site is surrounded by agricultural fields to the north, northeast and west and an industrial estate to the south.

2.3. The Site extends to approximately three hectares. The area covered by the Environmental Permit is shown on Drawing No. 21/023f 001 Permit Boundary Plan.

2.4. The Site is located within Flood Zone 1. There is a very low risk of flooding from rivers, seas, or surface water.

2.5. The Site is located within Groundwater Source Protection Zone 3 'Total Catchment'. The Site is located within a Principal aquifer with Secondary A superficial drift recorded.

3. Non-technical Summary of the Changes to the Permit

3.1. Co-mingled and source segregated dry recyclables, commercial and industrial wastes, municipal wastes and construction and demolition wastes are brought into the Site in vehicles.

3.2. Waste acceptance procedures will be implemented to ensure that only suitable waste is accepted. Once accepted, the waste loads will be deposited into the reception area or into designated stockpile areas.

Changes to the permit

3.3. This permit variation application seeks to make the following change to the Environmental Permit Ref. EPR/WP3594NR.

- Include the treatment process of washing.
- Increase the annual throughput for waste operations from 150,000 tonnes per year to 250,000 tonnes per year.

Washing Operations

3.4. The Operator wishes to process suitable waste through a wash plant to achieve better recycling rates and improved quality of recycled products as compared to the dry screening treatment that is currently undertaken.

3.5. The wash plant comprises a number of conveyors and screens that separate the waste by particle size and density. Lighter materials, such as wood, plastic and paper are separated off and the heavier fraction is sorted by size. Different aggregate products are produced in this way.

3.6. Water is supplied to the wash plant from the lagoon located on the Site. Water that has been used in the wash plant to wash the waste becomes laden with fine silt and clay. Both anionic and cationic surfactants are added to the wash water which is then treated in the centrifuge cyclone to separate the fines from the water. In this way the wash water is recycled within the wash plant. No water is discharged from the wash plant to the Site drainage infrastructure or removed from the Site. Wash plant fines are recovered as a solid cohesive material.

3.7. The treatment capacity of the wash plant is 15 tonnes per hour.

3.8. Waste storage areas are the same as those used for the existing dry treatment processes. The only additional storage areas are the small bays directly below the wash plant into which the wet separated materials fall. The total maximum capacity of these bays is around 50m^3 and waste is only stored temporarily in these bays before being moved to other, existing storage areas.

3.9. The waste types that will be treated in the wash plant will include construction / demolition wastes including wastes coded as 17 01 01, 17 01/ 07, 17 02 02, 17 03 02, 17 05 04, 17 09 04, 19 12 05, 19 12 09, 19 12 12 and 20 02 02. Other waste streams produced on the Site from the treatment of other wastes imported under the permit may also be treated in the wash plant.

3.10. The wash plant is located on an impermeable surface that drains to the lagoon present on the Site. This lagoon acts as a soak away, in accordance with the requirements of the existing permit.

3.11. The location of the wash plant has been included on a Site Layout Plan, see Drawing No. 21/023k 001 Site Layout Plan V2

4. Site Management

4.1. PSH Environmental Limited operate under an Environmental Management System (EMS). This EMS will be updated on issue of the varied permit to include for the washing activity, new waste codes and increased tonnage through put for the Site.

4.2. A hard copy of the EMS is kept on Site at all times. The EMS folder includes a copy of the Environmental Permit along with the following sections of the EMS:

EMS Report:

This report contains a description of the purpose and scope of the EMS, all Site details including the location of the Site, receptors located in close proximity to the Site boundary, waste storage, the plant and equipment that is used on the Site, the different types of waste treatment activities carried out on Site, the Site security measures, information on the competence of the staff working on Site, roles, and responsibilities for each member of staff and details for Site closure.

Appendix A. 1 Site Condition Report:

This is used to record the condition of land covered by the Environmental Permit at various stages during the life of the permit.

Appendix A.2 Environmental Impacts and Controls Assessment:

This assessment will provide information on the processes, activities and equipment on site, the potential emissions and impact that they may have on air, water, energy usage, waste disposal, land contamination, nuisance, and resource consumption and how any identified impact may be controlled.

Appendix A.3 Environmental Accident Management Plan:

This report will contain an assessment of the potential accidents that could occur on Site, details of the likelihood of each accident occurring, consequences of the accident happening, the preventative measures taken to reduce the risk of each accident occurring, actions to be taken in the case of an accident on Site and an explanation on how to record any accidents that occur on Site. The types of accident included in this report include.

- Leaks or spillages.
- Fire.
- Flooding (increasing risk from climate change).
- Unauthorised entry.
- Failure of plant and equipment.
- Cross-contamination.
- Failure of services.

Appendix A.4 Flood Management Plan:

This report will contain a brief description of the Site, its size, the key contacts to contact in an emergency, whether there are staff employed with any special needs, the locations of any gas, water and / or electric cut off points of Site and ways to keep all plant and computers / files safe in the event of a flood.

Appendix A.5 Fire Prevention Plan:

The Fire Prevention Plan (FPP) contains information on how PSH Environmental Limited meet the requirements of the 'Fire Prevention Plans: Environmental Permits' Environment Agency guidance for their recycling operations. The FPP includes details on the measures the Operator has in place to minimise the likelihood of a fire happening on the site, minimising the spread of the fire and fire suppression.

Appendix A.6 Odour Management Plan:

This report identifies the potential impacts of odour on the Site in relation to the nearby sensitive receptors. Information is included with regard to the mitigation measures employed on the Site.

Appendix A.7 Climate Change Risk Assessment and Adaptation Plan:

This risk assessment assesses the risk of how the site and processes will be affected by climate change and includes any proposed mitigation measures.

Appendix A.8 Residues Management Plan:

This report has been produced to describe the processes which produce residues and how these will be managed.

Appendix A.9 Contingency Plan:

This report has been produced to identify potential events of external and internal disruption and outlines actions that will be implemented when these events occur.

Appendix A.10 WRAP Quality Manual:

The implementation of this Quality Manual ensures the production of the aggregates from waste carried out on this Site is in compliant with the requirements of the WRAP 'Quality Protocol for the Production of Aggregates from Inert Waste'.

Appendix B Authorisations

A copy of the permit and EA Registrations for the Site will be found in the EMS.

Appendix C Procedures & Forms

The EMS contains a number of procedures that cover its implementation, waste acceptance & storage, site management, environmental protection, environmental monitoring, emergency provisions and reporting. Records to be produced in accordance with these procedures are provided in the EMS as forms. These completed forms provide records that evidence the implementation of the EMS. The following list details procedures that are included in the EMS.

Implementation

- Environmental Training.
- Roles and Responsibilities.
- Reviewing & Auditing Documentation.
- Compliance with Legal & Other Requirements.

Waste Acceptance & Storage

- Waste Acceptance.
- Waste Rejection.
- Waste Storage & Handling.

Site Management

- Fuel & Oil Storage.
- Refuelling of Plant / Equipment.
- Housekeeping, Litter, Pest & Vermin Control.
- Site Security.
- Removal of Waste.
- Raw Materials used on Site.
- Manufactured topsoils.

Environmental Protection

- Dust, Fibres and Particulate.
- Mud and Debris.
- Noise Control.
- Odour Control.
- Surface Water Management.

Maintenance

- Maintenance.

Waste Operations

- Recycling Operations- Waste Transfer Station.
- Recycling Operations- Construction & Demolition Waste.
- RDF Production.

Emergency Provisions

- Environmental Accidents / Incidents / Complaints.
- Near Miss Reporting.
- Spill Response.
- Flood Management.
- Utility / Equipment Failure.
- Fire Prevention.
- Fire Suppression & Containment.

Reporting

- Waste Returns.
- Notifications to the Environment Agency.

Drawings

- Permit Boundary Plan – showing the boundary of the permitted area.
- Site Layout Plan – showing waste storage and treatment areas, storage facilities for hazardous materials (fuel and oil), location of spill kits, and access for emergency services.
- Sensitive Receptors Plan – showing nearby receptors including water courses, protected habitats, and residential, commercial, and industrial premises.

Technically Competent Management

4.3. Daniel Parker is the Technically Competent Manager for the Site.

4.4. Daniel has completed his continuing competence assessments under the WAMITAB scheme.

4.5. Copies of the most recent continuing competence certificate for Daniel Parker are provided, see Appendix 1 Evidence of Technically Competent Management.

5. Environmental Risk

5.1. An Environmental Risk Assessment has been completed to support this Environmental Permit variation Application, see Appendix 2 Environmental Risk Assessment.

5.2. The Environmental Risk Assessment assesses the additional risk posed by the washing activities, additional waste codes and the increase in throughput volume over those currently authorised by the Environmental Permit.

5.3. The Environmental Risk Assessment considers that there is no significant increased risk of pollution or harm to the environment because of the inclusion of the washing treatment activities. It has been considered that the risk of fire breaking out may increase, due to the addition of combustible waste codes. However, robust risk management measures will continue to be implemented to ensure the identified risks are minimised.

5.4. The risk of dust emissions is somewhat reduced as the treatment activity of washing is wet.

Drawings

Drawing No. 21/023f 001	Permit Boundary Plan
Drawing No. 21/023k 001	Site Layout Plan

Application Forms

Part A

Application Forms

Part C2

Application Forms

Part C4

Application Forms

Part F1

Appendix 1

Evidence of Technically Competent Management

Appendix 2

Environmental Risk Assessment