



DPS Process Solutions Limited

Caldicot R&D Facility

Environmental Permit Application

Non-Technical Summary

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Quay West at MediaCityUK, Trafford Wharf Road, Trafford Park, Manchester, M17 1HH

Tel: 0161 874 8714

Email: andrew.bowker@wyg.com

www.wyg.com

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Prepared by:	Alice Shaw	Signed:	
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1.0 Introduction

1.1 Application Requirements

- 1.1.1 This Environmental Permit Application has been prepared by WYG on behalf of the Operator, DPS Process Solutions Limited (DPS) in accordance with the requirements of the Environmental Permitting (England and Wales) Regulations 2016 as amended.
- 1.1.2 DPS are seeking to gain a bespoke Environmental Permit to operate a waste treatment and storage facility at the Severn Bridge Industrial Estate in Caldicot. The facility is designed to accept a variety of waste streams which will undergo preparatory treatments to separate any recyclates prior to pyrolysis.



2.0 Non-Technical Summary

2.1 Permit Application

- 2.1.1 This Environmental Permit Application is submitted to Natural Resources Wales by the operator, DPS, under the requirements of the Environmental Permitting (England and Wales) Regulations as amended in 2016. It is a requirement of these Regulations that any application is accompanied by a Non-Technical Summary of the submitted documentation.
- 2.1.2 The application site is situated to the east of the Severn Bridge Industrial Estate, off Symondsciff Way, approximately 1.2km south east from the town of Caldicot and is centred at approximate National Grid Reference (NGR) ST 49340 87990. The site location and Environmental Permit Boundary is shown on Drawing Number DPS/A102691/LOC/01.
- 2.1.3 Access to the site is achieved via Symondsciff Way which runs parallel to the western boundary of the site. The immediate surroundings of the site comprise an industrial setting to the west, south and north west of the site. Beyond the industrial estate is the residential area of Deepweir. A railway line is located approximately 40m east from the application site and runs in a north-south direction. The closest residential properties to the application are located at the western end of The Close approximately 60m to the east of the application site.
- 2.1.4 DPS seeks to gain a bespoke Environmental Permit to operate a waste treatment and storage facility at the application site. The site will be used as a demonstrator plant for DPS to provide prospective customers with a working example of a waste treatment solution. The site will be used to separate the combustible materials from specified waste streams with rejected materials to be sent off site for recovery. The site will have a maximum throughput of 20,000 tonnes per annum and there will be no more than 1,000 tonnes of waste material stored on site at any one time.
- 2.1.5 This application is accompanied by all relevant documentation, as required by the aforementioned Regulations, and in the format set out in the Natural Resources Wales guidance documents. In summary, these documents comprise:-
- Application Forms A, B2, B4 and F1;
 - OPRA profile;
 - Operating Techniques;
 - Environmental Risk Assessment;



- Site Condition Report; and
- Fire Prevention Plan

2.1.6 Specific details on the operations of the site are provided in the Operating Techniques (Appendix B) which describes both the operational techniques and management procedures carried out at the site. In summary, this document provides details of:-

- Waste types and waste acceptance criteria;
- Site records;
- Emissions control;
- Incidents and non-conformance procedures;
- Accident management; and
- Emergency procedures

2.1.7 The Environmental Risk Assessment (Appendix C) is concerned with the nature and extent of any linkages between the source of any environmental hazards and the receptors which may be susceptible to harm; such linkages being termed pathways. Where potential for harm is identified, the assessment identifies the management techniques which will be utilised to mitigate such impacts.

2.1.8 The Site Condition Report provides (Appendix D) provides an assessment of the site's current condition using the Natural Resources Wales' H5 Site Condition Report Template, including any details of any past uses, historical pollution events and the environmental characteristics of the site.

2.1.9 A Fire Prevention Plan (Appendix E) has been prepared in accordance with Natural Resources Wales' 'Fire Prevention and Mitigation Plan' guidance published in May 2016. The report identifies the potential causes and effects of a fire, and describes the measures that will be in place to prevent occurrence of a fire at the site.



Drawings

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Appendices



Appendix A – Application Forms and OPRA Profile



Appendix B – Operating Techniques



Appendix C – Environmental Risk Assessment



Appendix D – Site Condition Report



Appendix E – Fire Prevention Plan