

Operational Procedures

Submitted on Behalf of Associated British Ports

Site Name: Roath Dock Cardiff

Project: Biomass & RDF Export Facility

Permit Number: TBC

Prepared By:

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Client: Associated British Ports

Project: Biomass & RDF Export Facility
Roath Dock Cardiff

Title Operational Procedures

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Distribution List

Natural Resources Wales

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1 Introduction

- 1.1.1** This document explains how the acceptance of woodchip and baled RDF will be controlled to ensure that no environmental harm is caused.
- 1.1.2** The Operations Manager will conform to all regulations specified within the site permit and will be responsible for day to day operations including:
- Monitoring acceptance of waste
 - Control of traffic
 - Cleanliness of the site and surrounding areas.

2 Woodchip Procedures

2.1 Material Acceptance

- 2.1.1** Deliveries of product will be 20-25 tonnes per load using Roll-on Roll-off trucks.
- 2.1.2** Material will be monitored and quality checked at source prior to delivery.

2.2 Material Storage

- 2.2.1** Following delivery and inspection the woodchip will be pushed into stockpiles separated by firebreaks as appropriate in accordance with the relevant guidance for fire risk management.
- 2.2.2** Material will only be stored on the dockside generally for 4 weeks from date of a ship being due up to a maximum of 3 months.
- 2.2.3** Stockpiles will be kept moist to prevent temperature build up and will be monitored through the use of a thermometer on a regular basis. The stockpiles will be rotated as necessary during which time dust suppression equipment will be available for deployment to suppress any potential emissions.

3 RDF Procedures

3.1 Stock Rotation System Procedure

- 3.1.1** An area at the dockside will be used to stockpile baled RDF.
- 3.1.2** ABP customers provide weighbridge figures.
- 3.1.3** Material will only be stored on the dockside generally for no more than 4 weeks from date of a ship being due up to a maximum of 3 months.
- 3.1.4** It is anticipated that the maximum amount of bales stored at any one time will not exceed 5,000 tonnes, which equates to an average shipload. (Each bale is an average of 1.1.5 tonnes)

3.2 RDF Wrapping Monitoring System Procedure

- 3.2.1** RDF will arrive on site as fully wrapped bales that prevent the ingress of water, odour release or access by pests. They will be placed onto an impermeable surface with a sealed drainage system.
- 3.2.2** All bales will be inspected on delivery and routinely when on site to ensure that all bale wrapping is intact.
- 3.2.3** If the bale wrapping is found to have failed on delivery such that the contents spill out it will be refused and sent back to the supplier for rewrapping.
- 3.2.4** If it is found to not be intact while onsite, corrective action will be taken as follows:
 - 1. If there is a tear or hole in the wrapping but the wrapping is still capable of retaining the contents then a repair will be undertaken using film and tape.
 - 2. If the wrapping has failed and will not retain the contents then the bale will be isolated and re-wrapped by the customer.

3.3 Storage Areas/ Containers Including Drainage

- 3.3.1** RDF bales will be stored on an impermeable concrete surface. The bales will be removed on a regular basis and will not be stored onsite for longer than 3 months as specified by ABP customer contracts. Bales will be monitored on a daily basis for temperature build up and wrap deterioration. If necessary bales will be rotated to allow for examination.
- 3.3.2** The drainage on site is sealed

4 Generally Applicable Requirements

4.1 Records of Material Movements

- 4.1.1** A record will be kept of quantities of fuels passing through the site including that loaded onto ships. On grant of the permit a summary record of the materials types and quantities accepted and removed from the site will be made quarterly and submitted to Natural Resources Wales. Transfer notes will be kept in accordance with Duty of Care legislation as necessary. Exports are conducted in accordance with Transfrontier Shipment of Waste Authorisation.

4.2 Directive & Regulation Compliance

- 4.2.1** The activity will meet the relevant objectives of Article 13 of the Waste Framework Directive, ensuring that the activity is carried out without endangering human health, without harming the environment and in particular: (i) without risk to water, air, soil, plants or animals; (ii) without causing a nuisance through noise or odours; and (iii) without adversely affecting the countryside or places of special interest.
- 4.2.2** All materials received for export meet the requirements of Directive 2008/98/EC revised Waste Framework Directive- Annex II "Recovery Operations" R1 – use principally as a fuel or other means to generate energy with R13 covering its interim storage.
- 4.2.3** The materials are destined for use as fuels at facilities compliant with the Waste Incineration Directive within the EU. If destined for use outside the EU then proof will be provided that the plant complies with standards equivalent to WID. Proof of destination and operational standards of plant will be submitted prior to commencement of the export operation as required by the Transfrontier Shipment of Waste Regulations.