



Title:	Non-Technical Summary	
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Client:	Recovercyl	
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Report Issue History	<i>Report Reference</i>	<i>Details</i>
	REC-R07-D1	15-12-25 Int Review
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1 Non-Technical Summary

1.1 Introduction

This document is the Non-Technical Summary in support of the Environmental Permit application submitted to the Environment Agency on behalf of Aire Valley Gas Ltd t/a Recovercyl. The Environmental Permit application applies to a proposed waste storage, treatment and transfer station, located at 1 Stanley Road, Bradford, West Yorkshire, BD2 1AS. The National Grid Reference for the centre of the Site SE 15805 35466

The facility is required to apply for an Environmental Permit (EP) in order to comply with the Environmental Permitting (England and Wales) Regulations 2016, SI 2016/1154.

1.2 Description of the Site

Technical details of the site can be found within documents:

- **REC-R01-F1– Site Information**
- **REC-R06-F1– Site Drawings**

1.2.1 Process Overview

The Site is to be Permitted to allow the storage, transfer and treatment of hazardous and non-hazardous wastes, in the form of gas cartridges / canisters and fire extinguishers. The main shift patterns are 6am-5pm (Mon-Fri) and 6am-1pm (Sat).

Note, gas cylinders are not treated on site as these are repatriated to suppliers.

Wastes passing pre-acceptance checks are to be delivered to Site in well-ventilated metal caged IBCs on medium sized lorries. Upon passing pre-acceptance checks, wastes are unloaded in a waste reception area prior to transfer to dedicated waste storage areas as detailed on the Site Layout Plan.

All wastes will be stored under cover in a well vented location to ensure they are not subject to extreme temperatures, direct sunlight and to prevent rainwater collecting on the containers.

Waste treatment of gas cartridges on site is limited to physical treatment of only those containers which contain residual gas / shown as empty on the container's contents gauge / determined by weighing. Full / or partially full containers will not be treated and will be bulked and sent off site as the same waste code as assigned on arrival at the Site. This is to ensure that only minimal residual gas is released to atmosphere.

Physical treatment will be undertaken as follows:

Gas Canisters / Cartridges

- Depressurising of gas canisters by manual removal of the containers valve. This is limited to gas containers containing air or its constituents.
- Depressurising of gas cartridges through piercing of cartridges.

Fire Extinguishers

- Treatment operations permit the manual discharge of specific fire extinguishers into suitable containers.

Residual Wastes

- Empty casings and components are then divided into ferrous and non-ferrous metal types, to enable improved recycling options and stored in suitably sized containers prior to dispatch off Site.
- Separately collected fractions from the discharge of the fire extinguishers will be held separately and stored in suitably sized containers prior to dispatch off Site.

The Permitted yard area has an impermeable concrete surface. No wastes are tipped onto the surface, and all wastes delivered to Site are stored in metal caged IBCs on Spill Pallet Bunds.

1.2.2 Emissions

There are no point source emissions to air, water, ground or sewer from the site.

1.2.3 Fugitive Emissions

All storage, transfer and treatment operations will be undertaken on an impermeable surface. Wastes containing liquid will be stored in IBCs on spill containment pallets providing secondary containment.

The facility will undertake thorough infrastructure and planned preventative maintenance programmes that will be designed to ensure there is no loss of integrity to the systems in place to prevent fugitive emissions to air, land and to controlled waters.

1.3 Environmental Risk Assessments

The Environmental Risk Assessment (ERA) undertaken identified those processes and activities on site that have the potential to create an environmental impact on identified environmentally sensitive receptors, under normal, abnormal and emergency (accident) scenarios. A copy of the ERA can be found within the following document:

- **REC-R02-F1 – Environmental Risk Assessment**

The results of the ERA are summarised in Table 1.3.1 below.

Table 1.3.1 Environmental Risk Assessment Summary	
Impact	Significance / Further Assessment
Amenity (litter / vermin / mud / fire / flood / vandalism).	Insignificant impact - no further assessment required.
Odour.	Insignificant impact - no further assessment required.
Noise.	Insignificant impact -no further assessment required.
Fugitive Air Releases (dust / bioaerosols).	Insignificant impact - no further assessment required.
Surface Water.	Insignificant impact - no further assessment required.
Groundwater.	Insignificant impact - no further assessment required.
Air.	Insignificant impact - no further assessment required.
Waste Produced.	Insignificant impact - no further assessment required.

Table 1.3.1 Environmental Risk Assessment Summary

Impact	Significance / Further Assessment
Global Warming Potential (GWP) / Photochemical Ozone Creation Potential (POP).	No potential GWP / POP Sources- no further assessment required.

The ERA confirms that for all of the operations and associated potential impacts, there is a insignificant environmental risk associated these activities as outlined within the permit application. Therefore, no further assessments or mitigation measures are considered to be necessary.

1.4 Environmental Management System

A bespoke Environmental Management System (EMS) will be implemented on site. Details of the EMS are provided below:

- **REC-R04-F1 – Environmental Management System Summary.**

The EMS will be audited at regular intervals to ensure continued compliance, implementation and effectiveness. The EMS includes an Environmental Accident Management Plan (EAMP) for foreseeable major environmental accident scenarios that would result in a rapid response being required (e.g. failure of secondary containment), immediate actions required by site personnel are detailed within the EAMP. These actions are detailed in order to prevent uncontrolled release of material leaving site and potentially causing a pollution event.

All staff have clearly defined roles and responsibilities. Responsibility will be designated to a management representative for ensuring site operations are carried out in accordance with the Environmental Permit, to liaise with the Environment Agency, stakeholder and the public as required.

1.5 Site Condition

The site condition has been assessed in line with current Environment Agency guidance. The application Site Condition Report can be found within the following document:

- **REC-R05-F1 – Site Condition Report.**

Site Management confirm that there have been no recorded pollution incidents, nor any use of the land which may have led to ground contamination issues that they are aware of.