



Tetbury Commercial Recycling Centre

Odour Management Plan

Odour Management Plan

Site details

Site name: Tetbury Commercial Recycling Centre
Site address: Babdown Industrial Estate, Tetbury GL8 8YL
Operator name: McCarthy Marland (Recycling)Ltd
Permit number: EPR/LB3700LZ

Who this plan is for

- Site operatives, contractors and senior management will all be informed on this OMP.
- This OMP forms part of the wider EMS for the site and be advised on induction of the range of documents relative to this operation and their availability.

Document owner

Document author: LL LMM for M^cCarthy Marland (Recycling) Ltd
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List of revisions

Revision number	Revision authorised by	Date submitted to Environment Agency	Revision owner

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1. Introduction

1.1 Site description

- The site is a household, commercial and industrial waste transfer station with treatment.
- The site is located on the south western edge of Babdown Industrial Estate surrounded on three sides by open countryside. It is operational 7am to 5:30pm on Mondays to Fridays and 7am to 2:30pm on Saturdays.

1.2 Maintenance and review of the OMP

- The Environmental Compliance Manager is responsible for the OMP and ensuring people are trained
- The OMP will be stored electronically ?
- The OMP will be reviewed at regular intervals together with the other site documents or periodically reviewed as may be triggered by new site procedures/changes, guidance/legislation requirements or in response to findings at a training exercise or an actual incident.
- All site staff (except office) will be trained in the operational measures in the OMP. staff
- All staff are fully trained and information on this management plan is part of the site induction training before staff can commence working on site. .
- Refresher training with tool box talks will take place at least once a year. Management will review the need to increase the frequency of training and exercises in response to staff turnover, changed site practises and any incidents or near misses. Full records are kept of all training events.

1.3 Relevant sector guidance on which this OMP is based

- The Not Duly Made letter directed the OMP to be in line with: *H4 odour management – how to comply with your environmental permit.* <https://www.gov.uk/government/publications/environmental-permitting-h4-odour-management>.

2. Receptors

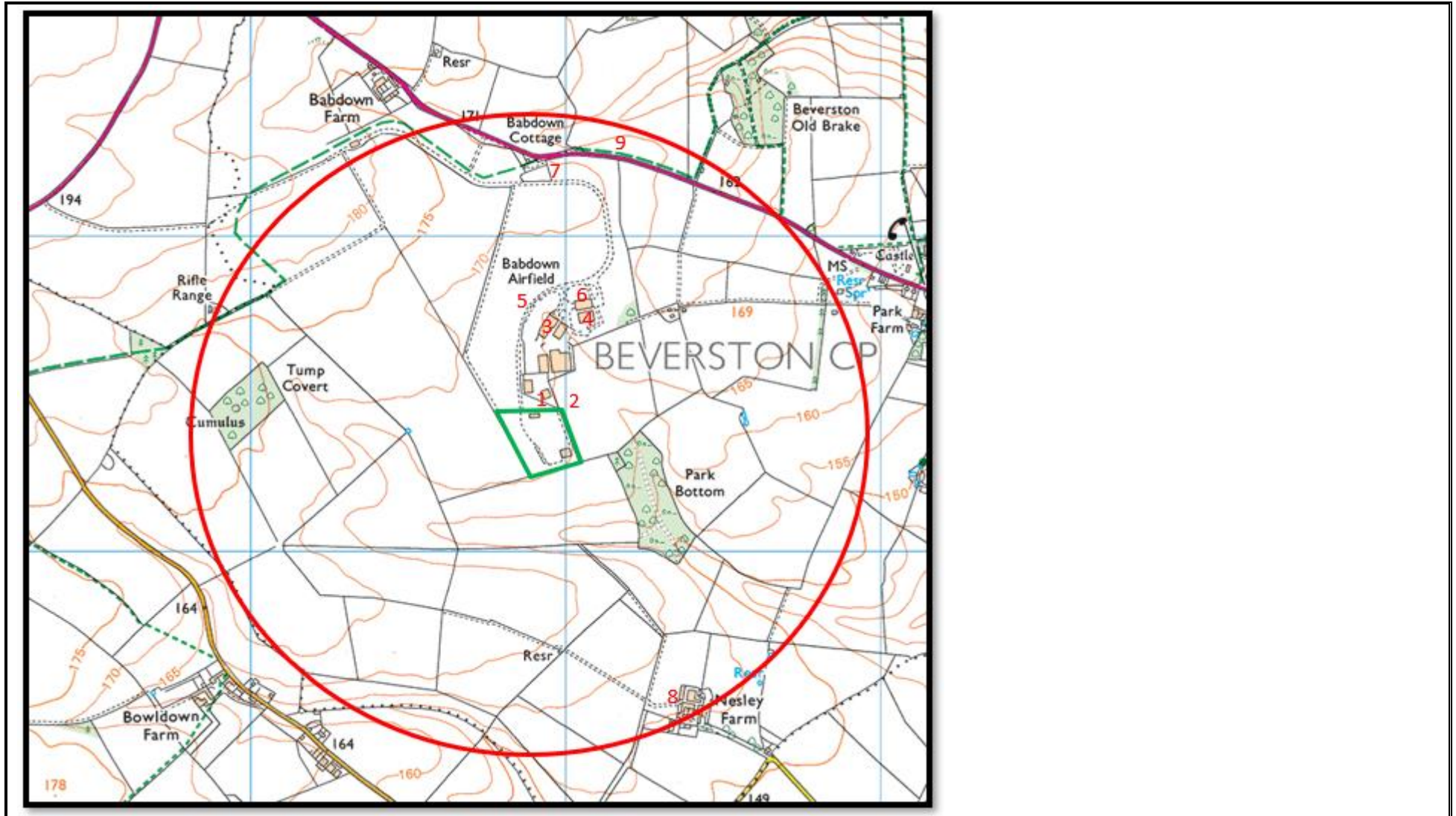
2.1. Receptor List

Table 2.1. Receptor list

Receptor reference (A, B, C etc. Use to label Fig 2.1)	Land use e.g. house, school, hospital, commercial	Direction from site (North, South, East, West)	Approximate distance to site boundary (m)	Sensitivity to odour Low (e.g. footpath/road) Medium (e.g. industrial / commercial workplace) High (e.g. housing / pub / hotel etc.)
1	Industrial/commercial	North	20m	Medium
2	Industrial/commercial	North	20m	Medium
3	Industrial/commercial	North	225m	Medium
4	Industrial/commercial	North	260m	Medium
5	Wind turbines	North	285 & 385m	Low
6	Industrial/commercial	North	125m	Medium
7	Residential	North	795m	High
8	Farm inc residence	South	>800m	High
9	Road	North	>800m	Low

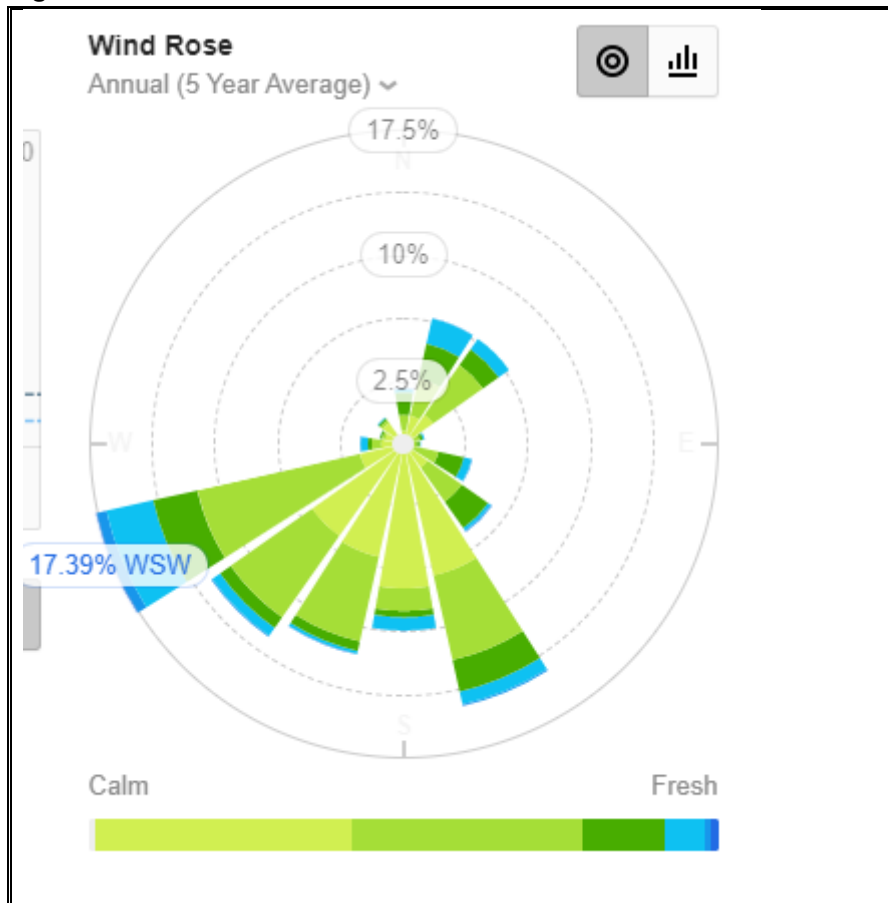
Figure 2.1 Map of site location and receptors





2.2. Wind rose and source of weather data

Figure 2.2. - Wind rose



<https://wind.willyweather.co.uk/sw/gloucestershire/tetbury.html>

3. Sources of odour and site processes

Full details of the site processes are set out in the main Environmental Management System of which this OMP forms part. The site is moving from a Standard Rules Permit to a Bespoke Permit. The changes on site relevant to this OMP will be the regularisation of external storage of green waste and plastic removed from the incoming waste. The site has been operating for several decades and is not aware of any complaints or issues arising in relation to odour emission from the operations.

3.1 Odorous materials entering and leaving site

- Deliveries made to the site by road, the frequency is variable but in **region of 30 loads** per day.
- The material received in a range of containers, but as inert makes up the bulk of deliveries usually HGVS, but also a range of skips and mother waste containers.
- The container would be covered if required to such as netting skips to prevent items falling off in transit.
- Odorous loads are not accepted.
- Waste acceptance and rejection procedures are detailed in the EMS for the site.

3.2 Odorous materials

Table 3.2 Odorous materials

Odorous and potentially odorous material (any solid, liquid or gas)	Odour potential High Risk / Medium Risk / Low Risk	Maximum quantity on site at any given day (tonnes per day or	Maximum time held on site (hours or days)	Location of odorous materials on site	Additional comments
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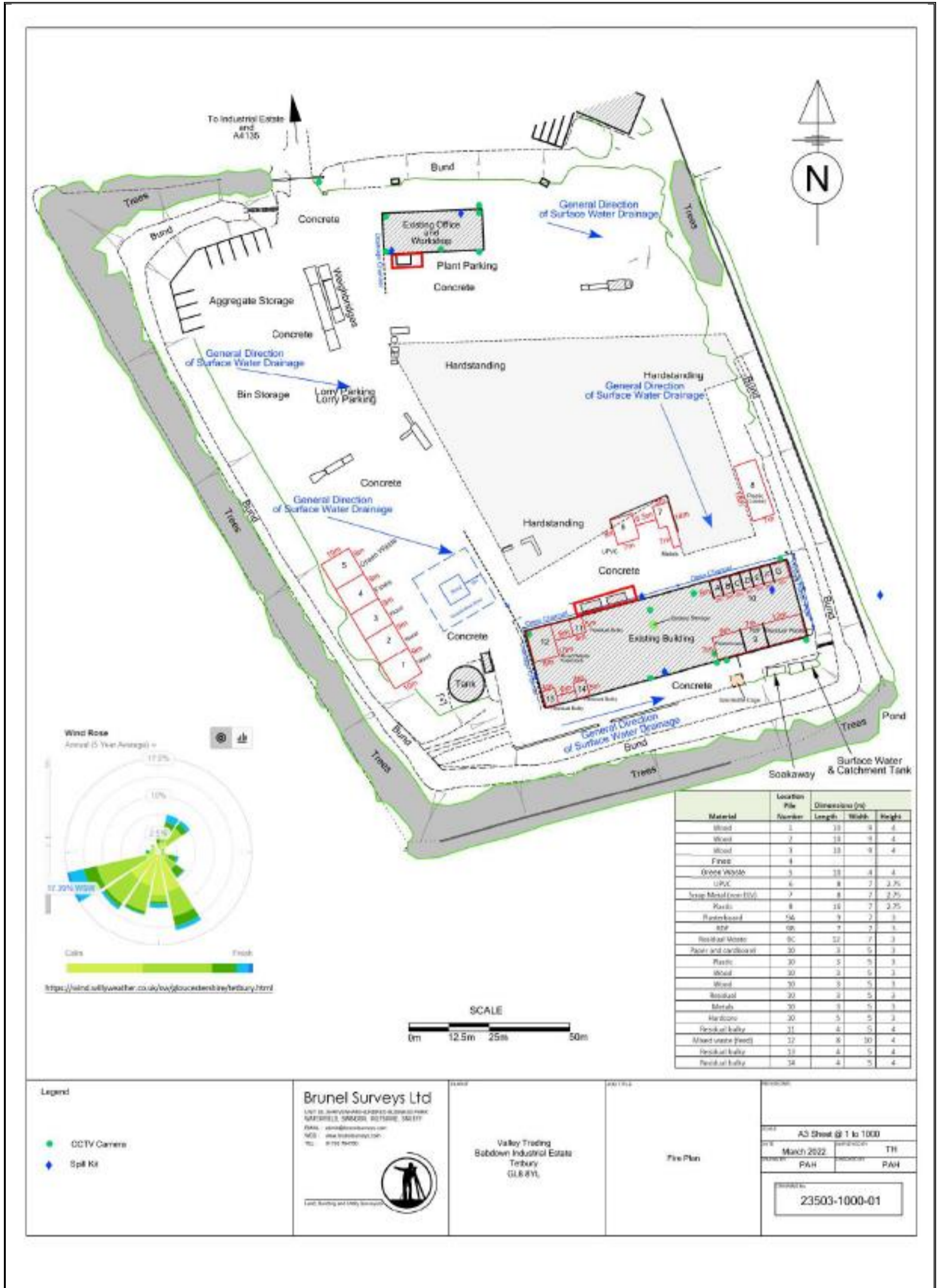
		litres per day)			
Green Waste	Low	144m ³	1 month	Storage bay	Usually trees and hedges, not domestic green waste collections. Not processed, only held until sufficient to warrant a load out.
Baled Plastic	Low	144m ³	1 week	Storage bay	Removed from incoming waste in the MRF. Not processed, only held until sufficient to warrant a load out

3.3 Overview of odorous processes and emissions

- The site’s waste activities involve the storage, sorting, separation, screening, baling, shredding, crushing and compacting of the permitted waste types into different components for disposal or recovery.
- Inert wastes represent the largest tonnage accepted at the site with processing and storage of inert wastes taking place in the northern part of the site. The inert wastes are processed by mobile crushing, screening and trommel plant into various recycled aggregate and soils products. The inert waste operations do not involve odorous wastes.
- Mixed wastes activities take place in the Waste Reception Building (WRB) which is located in the south eastern corner of the site. Mixed waste is deposited on the floor of the WRB and processed through a materials recycling plant which is fixed plant including a variety of magnets and screens and a hand picking line which separates different fractions of the waste which includes metals, plastics, wood and inert materials.
- The separated fractions of plasterboard, RDF fraction and the residual waste for landfill are stored inside the WRB before removal from site. The other separated fractions are moved throughout the working day to the corresponding storage area for the separated waste type i.e. that these are essentially working piles with the storage duration of any material in the WRB bays under the picking line is less than 24 hours.

- The separated plastics and paper/cardboard fractions are baled, in the baling area to the north east of the WRB with the bales transferred to a storage area on the opposite side of the site.
- Green waste is separated from incoming material in the WRB, or if a complete load, directed to the appropriate storage bay.
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Figure 3.3 – Site plan showing odorous process locations / odorous emissions / storage



4. Control measures and process monitoring

4.1 Appropriate measures / BAT

Table 4.1 Monitoring procedures for appropriate measures/ BAT

Odorous and potentially odorous process / material	Control measures (Appropriate Measure / BAT)	Monitoring frequency	Monitoring procedure and optimum process parameters	Trigger level	Action taken if outside optimum process parameters
Storage of unprocessed green waste	Only one bay in use usually, but restricted time it can be held under FPP requirements.	Constant – ongoing through shift	Visual inspection to ensure the oldest material is emptied first.	Bay being more than ¾ full	If no other bay available, then green waste held in the WRB
Storage of baled plastic waste	Only one bay in use usually, but restricted time it can be held under FPP requirements.	Constant – ongoing through shift	Visual inspection to ensure the oldest material is emptied first.	Bay being more than ¾ full	If no other bay available, then plastic waste held in the WRB

5. Odour reporting

5.1 Complaints reporting

If a complaint on odour from the facility is received at site, it will be reported to the EA within 5 working days, including the outcome of an investigation and any measures taken or changes to site operations implemented as a result.].

5.2 Community engagement

The site has a number of industrial units operating to the north and there has historically been informal communications with these businesses. There are no residences in close proximity.

5.3 Pro-active odour monitoring

All site operatives will be vigilant for odour from the green waste or plastic storage bays which could give rise to a complaint. They will communicate with the site manager if they believe action needs to be taken.

5.4 Reactive odour monitoring

If a report of odour is received from a receptor then a site inspection will be carried out and if there is found to be an issue, arrangements made to transfer out the offending materials as soon as reasonably practical.

6. Abnormal events

Table 6.1 Abnormal events

Abnormal event	Recovery steps
Delayed removal of green waste or plastic from site	If for some reason the bays aren't emptied within 1 month, 1 week respectively, by the companies that normally collect these wastes, then alternative collection arrangements will be made.
Fire	Addressed IN Fire Prevention Plan