

# ODOUR MANAGEMENT PLAN

OCTOBER 2017

VERSION 3



Document Ref: GO4/HC/V011 Environmental Permit: 43245





|  |  |  |  |
| --- | --- | --- | --- |
| Revision Date | Description | Sections Affected | Revised By |
| 04.09.2017 | Additional information added after a request from the Environment Agency | Section 3 , Appendix 4 ,  Appendix 6 | Laura Hart |
| 24.10.2017 | Additional information added after a request from the Environment Agency | Section 1.4 , 3.1 , 5.1 ,  6.3 , Appendix 3 , 4 & 7 | Laura Hart |
| 06.01.2025 | Additional Information added after request from the Environment Agency | Section 2, Section 3, Section 4, | Conor Benton |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

DISCLAIMER

This report has been produced by Hart Consulting with the skill and care ordinarily exercised by a reasonable Environmental Consultant at the time the services were performed. Many of the conclusions in this report are based on information provided by the client and my professional judgement at the time. Some of this information has not been verified and therefore Hart Consulting cannot accept responsibility for any conclusions based on this information.

Hart Consulting accepts no responsibility for the accuracy of any third party data used in the production of this report.

Unless expressly provided in writing Hart Consulting does not authorise, consent or condone any party other than the client relying upon the services provided.

The report present Hart Consulting’s professional opinion and no warranty, expressed or implied, is made.



1. Introduction
2. Site Location and Setting
3. Sources of odour , emission points , receptors and impact
4. Odour management
5. Monitoring
6. Complaints

Appendix 1 – Waste acceptance criteria

Appendix 2 – Waste acceptance and off−loading procedure Appendix 3 – Waste storage procedure

Appendix 4 – Emergency procedure in the event of odour and Contingency Planning Appendix 5 – Monitoring Log

Appendix 6 – Site Plan



* 1. This odour management plan has been written as part of a permit variation for Go 4 Greener Waste Management Ltd. It follows guidance set out in the Environment Agency’s Guidance “H4 Odour Management”.
  2. The plan explains why there is a low risk of significant odour arising from the site and sets out the housekeeping and monitoring measures that will be implemented to minimise fugitive emissions of odour.
  3. Go 4 Greener Waste Management Ltd are a large company which deals with bulk packaging transfer as well as brokering waste contracts throughout the UK. The company have large contracts with various companies to collect , transport and dispose of offensive wastes as well as pest control wastes.
  4. The proposed offensive waste in relation to this permit is solely from commercial premises which and will not be pre−treated prior to being accepted on site. The waste shall be packaged correctly by collection contractors , loaded into their vehicles and brought straight to the Go 4 Greener site.



* 1. The site is situated on a residential street less than 50m from residential housing but also the site forms part of an industrial area to the rear comprising of various other industrial units.
  2. Currently the site is split into two sections , one section deals with the bulking up of card/paper and plastics and the other section is a household , commercial and industrial waste transfer station.



* 1. The current waste types being accepted on site have a low or zero odour. Waste is less than 48 hours old before it is collected from the producers site and brought into Go 4 Greener site.
  2. The company receive offensive waste and pest control waste under their Environmental Permit which enables them to collect the waste, store and then dispose of this in a bulk load rather than numerous separate small loads.
  3. Evidently the waste itself is of an odorous type IF it is not packaged , stored and handled correctly.
  4. Waste types which are within the Environmental Permit within this variation application that can be potentially odorous:

Offensive healthcare waste – 18 01 04

Pest carcasses – 20 01 99

* 1. Emission Points:

Emissions can be pinpointed to a single area with the site which is marked on the site plan (Appendix 6). All potentially odorous waste shall be stored in sealed , leak−proof and lockable containers.

* 1. Potential Receptors:

**Key**

****

Site Location

Location of potentially odorous waste

The above plan indicates where the site is , where the potentially odorous waste is stored and the prevailing wind direction. The location of where the waste is stored should disperse the odour if released into the air away from the highest density of residential housing.

Receptors close to the site do include: Residential housing and local businesses

* 1. Impact on receptors

Taking into account the control measures, storage conditions, storage amounts and turnaround of the waste the likelihood of odour release is very low, therefore the impact on local receptors would be minimal.

The actual waste itself comes direct from the producer in sealed bags therefore the waste does not have time to become so odorous that it can be detected from within a sealed bag and then a locked , sealed and leak−proof container, further masked by the waste storage shed the containers are stored in.

In the un−likely event an odour was released and then detected from outside the site , this would not be of a significant nature or duration to raise concerns. Daily olfactory testing is conducted on the containers and employees will be working close to the containers as part of their main duties , therefore if the odour was being detected off the site it would have been detected on site first and Emergency procedures put into action (Appendix 4).



* 1. The primary control of odour will be good management of the incoming waste , which will control the waste types delivered to site , storage of the waste and turn around times.
  2. 
     + arrives to site within colour coded “tiger bags” which are sealed and only 3/4 full.
     + Will be stored within sealed lockable containers , within a sealed drainage system.
     + waste shall be stored for no longer than 5 days.
     + during warm weather the waste shall not be stored for any longer than 48 hours.



* + - arrives to site within colour coded “tiger bags” which are sealed and only 3/4 full.
    - will be stored in a sealed , leak proof container within a sealed drainage system.
    - quantities at one time shall not exceed 300kg.
    - waste shall not be treated.
    - waste shall be stored for no longer than 48 hours.

4.4. A procedure for the acceptance of potentially odorous waste shall be followed (Appendix 2).

* 1. A procedure for the storage of potentially odorous waste shall be followed (Appendix 3).
  2. Both procedures used on site conform to the HSE guidance “Managing offensive/hygiene waste” WASTE22
  3. Emergency procedures will be followed in the event of odour being detected during a daily walk round inspection, report made by staff on site of odour or a complaint made to the company regarding odour.
  4. All waste shall be pre−booked in 24 hours prior to delivery to ensure that there is adequate space for the load within the containers and that the permitted quantities are not being exceeded.
  5. Due to the nature of the waste and the close proximity to residents and local business’s the

controls which have been put into place exceed best available techniques.

# Monitoring

* 1. Olfactory monitoring of the storage containers shall take place as a minimum 3 times a day. A monitoring sheet shall be completed (appendix 5) and kept within the sites main office. To ensure a fair olfactory inspection is taking place the monitoring shall be done by mainly office based staff or other staff who are not continuously exposed to the odour inside the waste transfer building and therefore may have become desensitised. As an extra measure , if a complaint is received regarding odour and site inspections forms have not detected this then we shall request local residents to conduct walk round inspections as an independent party but also to give confidence that the company take on board their views. Furthermore , the TCM shall make regular visits to the site during the course of their compliance to the permit , a site inspection is conducted by the TCM each visit and olfactory inspection of the area shall form part of this. The TCM is a third party contractor and therefore is not immune to the odours of the site.
  2. As detailed within the waste acceptance procedure (Appendix 2) , when the waste initially enters the site an olfactory inspection will take place by the member of staff who accompanies the delivery driver to the off−loading area. If at any point an odour is detected,

this implies that the waste is either not correctly packaged or has been stored for a period of time prior to entering the site , therefore this is non−conforming waste and shall be rejected.

* 1. Any rejected loads shall be loaded back onto the delivery vehicle and taken off site. A log shall be made within the site diary and the company contacted to inform them of the non− compliance. A third non−compliance from the same company shall result in them being banned from bringing any further waste onto site. Should the non−compliance be as a result of a Go 4 Greener driver then disciplinary action shall be taken.



* 1. Any complaints received from Regulating authorities , local authorities or members of the public shall be logged and the TCM shall conduct an investigation.
  2. The emergency procedure for odour detection shall be followed (Appendix 4)
  3. Remedial action shall be put into place with an update sent to the complainant as well remedial actions/feedback also given to local residents (leaflet drop) and the Environment Agency (if they are not the complainant). Reponses to complainants are planned by following the Complaints Report Form (Appendix 7)
  4. Follow up inspections will be carried out to ensure that the remedial action has worked and no further odour is detected on the site.
  5. A record of all steps shall be made and kept within the sites main office. Records shall be made available to regulating authorities upon request.





* + - A copy of this document will be issued to all business customers who wish to bring Offensive Waste onto the site so they can comply with legislative and company procedures.
    - Waste will not be accepted directly from domestic customers.
    - All offensive waste shall be booked in with Go 4 Greener’s weighbridge office at least 24 hours before acceptance on site.
    - Offensive Waste movements will be accompanied by the legislative requirement of a waste transfer note which shows at least the following information:
      1. a description of the waste
      2. any processes the waste has been through
      3. how the waste is contained or packaged
      4. the quantity of the waste
      5. the place, date and time of transfer
      6. the name and address of both parties
      7. details of the permit, license or exemption of the person receiving the waste
      8. the appropriate European Waste Catalogue (EWC) code for your waste
      9. the Standard Industry Code (SIC) of your business
    - The Offensive Waste shall meet the below criteria to be accepted on to site. Any waste which does not meet the below criteria will be rejected.
    - The waste shall:
      1. Not contain any infectious/hazardous materials.
      2. Not contain any liquids
      3. Be in bags which indicate non−hazardous waste – Black and Yellow ‘Tiger Bags’ Only
      4. Be in bags which are securely tied at the top. No open or damaged bags will be accepted. e) Be in bags which are в full only.

f) shall be taken directly from the source to the Go 4 Greener site on the same day of collection to prevent long term storage of waste which can result in the waste becoming odorous.

* + - The customer shall ensure that their delivery staff carries extra bags, spill granules and mechanical aids with them during each delivery to site. This is to ensure that if an accident was to happen they have the correct tools to deal with this.

I can confirm that all the above criteria shall be met prior to taking any waste to the Go 4 Greener Waste Management facility at Slack Lane , Derby.

Company Manager

Manager Signature Date





* + - When arriving at the site/weighbridge a Waste Transfer Note will be provided to the weighbridge operator. The site weighbridge operator will check the waste transfer note to ensure it complies with legislative requirements. The weighbridge operator will also check a record of the customer’s waste carriers licence is held and is in date.
    - After being booked in on the electronic weighbridge system the customer will be directed to a waiting area of the site for a trained member of staff to accompany the load to the sealed container.
    - The site staff will at no time handle the Offensive Waste; therefore the customer’s

management should ensure that they send trained personnel to unload the waste.

* + - The customer should be wearing the correct PPE this includes gloves, Hi−Viz clothing and safety boots.
    - Waste bags shall be visually checked by the site staff to ensure they have no odour , are tied closed , not filled more than ¾ and do not contain any infectious materials. Site staff will be trained in the colour coded bags used for health care and their contents.
    - When off−loading the waste bags this is done by transferring them from the customer’s vehicle to the sealed container on site. At no point is the customer allowed to throw the bags as this may split and damage them. Further visual checks of the bags shall be carried out as they are being unloaded as well as olfactory inspections being made at the time of unloading.
    - If at any point an odour is detected by the trained member of staff then he shall stop the transfer and inform the site manager. The site manager shall reject the load by ensuring that the off loaded waste is re−loaded back into the vehicle and sent off site. The customer shall be informed of the non−compliance and a waste rejection form shall be completed.
    - After un−loading, the site staff will close and lock the container and then accompany the vehicle back to the weighbridge for weighing off. The weighbridge operator shall complete all necessary paperwork with the customer and a copy will be kept on site.





* + - Offensive waste is currently stored within a clearly labelled, sealed , leak−proof , lockable container. The sealed container will prevent odours, pests, escape/run−off and contamination of other waste streams. The sealed container will be stored on a concrete surface with run off to the sites sealed drainage system.
    - If the treatment plans for the digester are duly made, we propose to store the additional offensive waste from our compactors in a concrete bunded tipping bay. This impearmeable surface will dissalow any run off from the offensive bags. The limit for this bay will be strictly under 10 tonne to ensure that this bay will be cleared on a daily basis.
    - Throughout the day , three olfactory inspections shall take place by the site manager or other office based staff members which have had adequate training. A record of the inspections shall be recorded on the daily monitoring sheet (Appendix 5) , as well as odour, the waste storage containers are also checked for leaks , damage and to ensure they are locked. If odour is detected then the waste shall be taken off site immediately if possible or in any event within 24 hours. Olfactory inspections shall be based on any odour emitting from the waste including offensive odour.
    - During and after deliveries of the offensive waste the site staff shall ensure there has been no escape of the waste from the container before sealing back up. Site staff will check around the container as well as underneath.
    - Visual daily inspections will be carried out for pests (Rats and Flies) .
    - Due to the nature of the waste , once containers have been emptied for disposal they are cleaned out with a jet wash to ensure no residue is left behind. Only trained personnel carry out the cleaning process with the adequate PPE (Boiler suit , splash mask , gloves and protective coverings for footwear). The site has an interceptor which is not discharged into local waters , therefore the run off from the containers shall be contained within the interceptor until a licensed contractor takes it away for disposal.





1. The site operative shall inform the site manager who will in turn inform the CoTC holder.
2. A note of how strong the odour is on a scale of 0−10 with 0 being no odour will be made in the site diary.
3. Hourly olfactory inspections shall be carried out and recorded in the site diary.
4. If the rating of odour reaches above 5 for offensiveness or there is a complaint then the container shall be booked to be emptied immediately with the company’s transport department.
5. Contractors who have booked waste in to be delivered shall be informed and rescheduled for a later date.



Extreme heat can cause waste to degrade a lot quicker which may give rise to odour a lot quicker than Normal. In these circumstances waste shall be more rigidly controlled, Olfactory monitoring shall be increased, waste shall be taken off site quicker and the cleaning of storage containers shall be increased.

During extreme weather conditions the deliveries of waste shall potentially be reduced with the exception of emergency loads or even stopped altogether and be diverted to alternative authorised disposal sites. Taking into account the very close receptors of the site and the fact it is likely windows in residents properties will be open , the reduction/stopping in deliveries will enable the operator to rigorously monitor odour levels.

Local residents will be requested by the operator to give feedback on odour levels so the company and ensure odour is being controlled in extreme weather conditions



In the event of site closure (eg bank holiday**)**

1. All deliveries are pre−booked 24 hours in advance.
2. All customers are aware of days the site is closed at least 1 week in advance.
3. Waste being taken off site shall be pre−booked for disposal the day before the site closure to ensure no potentially odorous waste is being stored for a long period of time without monitoring.

In the event of trained staff being off work (eg illness):

1. All staff on site shall be trained in the procedures of this plan

In the event of weighbridge malfunction/breakdown:

1. Weighbridge malfunction or breakdown will result in the site not knowing the weight of waste currently stored on site, therefore further deliveries may breach the permitted limits.
2. Customers booked in for delivery on the day of breakdown shall be re−directed to another of their authorised disposal sites.
3. Any further deliveries shall be suspended until the weighbridge is back up and running. In the event a storage container is found defective:
4. The container shall be placed in the quarantine area immediately. Whilst in the quarantine and to reduce the odour , waste shall be stored in a sealed , leak−proof and lockable container.
5. An urgent collection of the container shall be made within 2 hours maximum
6. Spare containers shall be stored on site in the event of this happening.
7. One of the spare containers shall be used to replace the defective one







