

Fire Prevention Plan

INTRODUCTION

Oakenholt HRC is situated to the east of Flint on the boundary with Connahs Quay

Key receptors such as: a crane hire depot, concrete batching plant, limited housing, the River Dee Site of Special Scientific Interest, are within 1 km of the site are identified in Table 1 and on Drawing 1.

Table 1. Key receptors within 1 km of site

Key receptor	Direction	Distance from facility boundary (metres)
Crane Hire Depot		20 meters
Main Road		10 meters
Concrete Batching Plant		10 meters
River Dee SSSI		150 meters

This Fire Prevention Plan has been written following consultation with the following guidance-documents:

'Fire Prevention Plans' (version 2), the Environment Agency, March 2015 'Reducing Fire Risk at Waste Management Sites', Waste industry Safety & Health Forum, October 2014

It should be read in conjunction with the Fire Risk Assessment and Emergency Management Plan.

1. Waste acceptance and storage

Oakenholt HRC will accept the following combustible materials:

- Paper and cardboard
- Plastics
- Wood (including planks, boards, sawdust, shavings, logs, firewood or chips, crates, pallets, casts or barrels)
- Rags and textiles
- Scrap metal
- Waste electrical and electronic equipment such as fridges, computers and televisions containing combustible materials such as plastic
- Compost and plant material
- Flammable liquids
- Chemicals
- Fuel oils & lubes

- Flammable gases / bottles
- Furniture
- Packaging materials
- Paper & card
- Rubber
- Wood
- WEEE
- Mixed Household Waste

The table in Appendix 1 identifies the combustible waste types that will be accepted at the Oakenholt site, the average daily tonnage received and how those wastes are stored. The maximum total amount of combustible waste stored on site at any one time is 100 tonnes

2. Prevention techniques

Sources of ignition are kept at least 6m away from combustible & flammable materials.

Any hot working undertaken by staff or contractors is done so with a suitable risk assessment and safe working procedure in place. Hot works undertaken by staff or contractors are done so under a Permit to Work.

Oakenholt HRC will operate a no smoking policy. There will be a designated smoking area situated at the site gates away from combustible materials.

Daily inspections of the site will be conducted by site staff. The peripatetic JCB will be inspected daily by the plant operator. The site is inspected monthly by the Area Supervisor

To prevent or reduce risk of arson, Oakenholt HRC is secured with a 2m high fence along with CCTV, monitored remotely by a security company (On Watch) during non-operational hours.

All site vehicles / plant will be fitted with fire extinguishers and plant is parked away from combustible materials during non-operational hours.

3. Self-combustion

To lessen the risk of self-combustion, all combustible materials are stored for less than 6 months; see the table in Appendix 1 for storage times of each material. The following materials stored on site could present a risk of self-combustion if stored for more than 3 months:

- Green materials, compost, wood, paper, general waste.

These materials will therefore be stored for no longer than 3 months.

A count sheet is produced daily showing the amounts and types of waste in each container, this is communicated to the Altkami Depot to allow for effective collections to be arranged

4. Minimisation (reducing risk of firespread)

4.1 Detecting and suppressing fires

Staff on site will be trained in the practical use of fire extinguishers and monitor the site for signs of fire.

Portable fire extinguishers are available in the site office and the peripetic JCB cab.

4.2 Containing and mitigating

Oakenholt HRC will have a designated chemical safe available at all times, identified on the site plan. The front of the site can be used to quarantine skips if required.

There are insufficient water supplies available on site to manage a worst case scenario incident.. The nearest fire hydrant is located at the entrance to the site, in the highway verge.
The largest container used on site is a 40 cubic yard skip and a fire is likely to be contained in one skip only.

5. Fire action plan

The fire action plan is specified within the Emergency Management Plan.

6. Minimising the impact of combustion products and emissions

In the event of an unexpected fire-

The amount of fire water run-off generated will be reduced by separating burning material from unburned material with heavy plant where safe to do so.

The drainage arrangements at Oakenholt are via an oil interceptor, and then discharged into the public sewer. This discharge route can be isolated if necessary

The following secondary and tertiary containment facilities for fire water run-off are in place:

- Pollution control equipment, spill kits and drain seal mats

7.Emergency services

This Fire Prevention Plan will be agreed with the local Fire and Rescue Authority (FRA).

FRA contact details: North Wales Fire & Rescue: telephone 01745 535250

Safe access for fire and rescue services will be achieved by maintaining routes for fire engine as per the Site Emergency Plan.

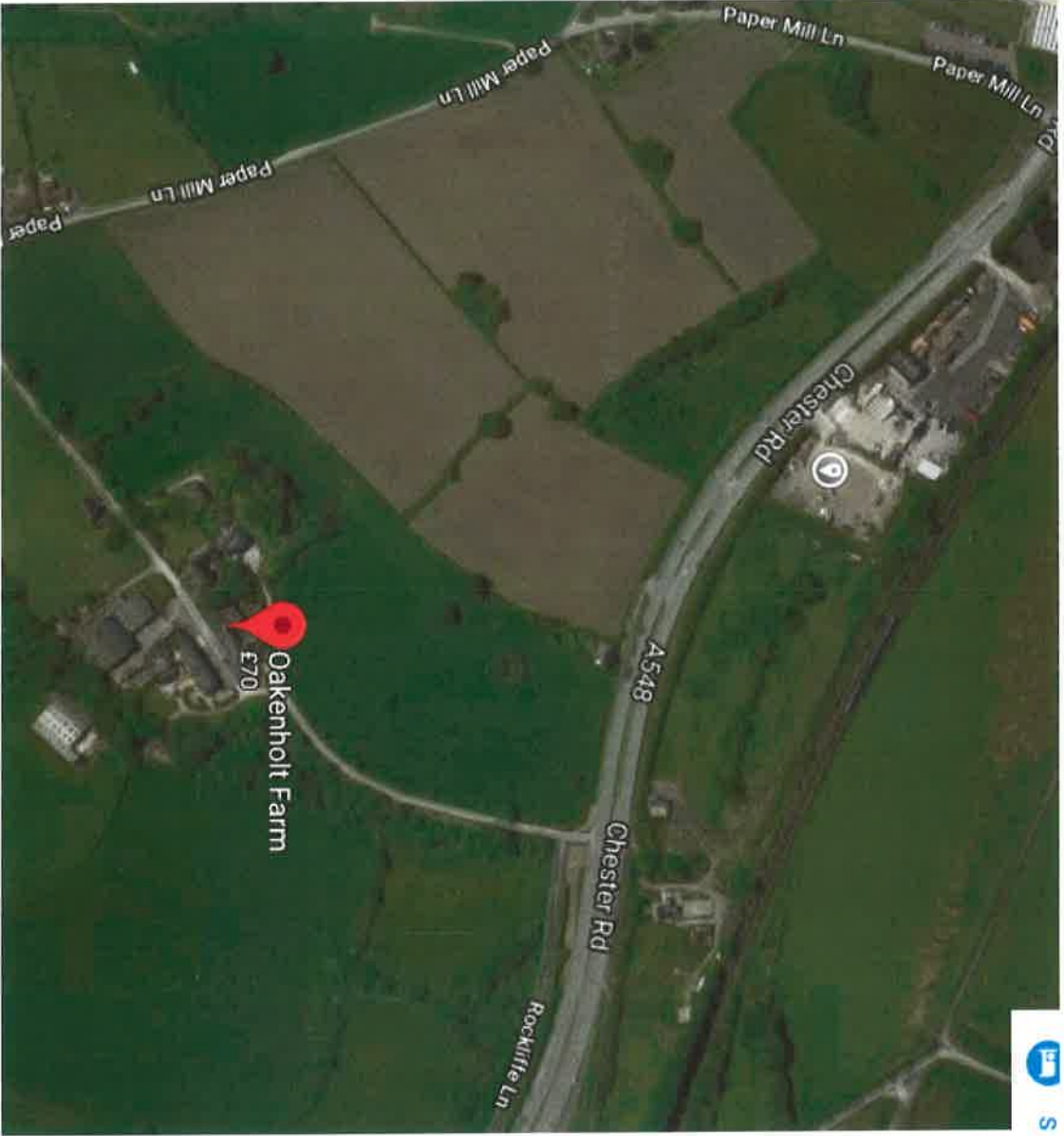
Appendix 1: Waste types and storage

Waste type	Daily tonnage received / processed (approx.)	Total stored at any one time (tonnes)	Form	Max. storage time (days)	Location	Max. volume of waste pile (m3)	Maximum size of waste pile			Minimum separation (fire break) (m)
							Length Cm	Width (m)	Depth Cm	
Wood			Unprocessed	As per working plan (reported on count sheet)	Skip (Yard)					
Residual			Unprocessed	As per working plan (reported on count sheet)	Skip (Yard)					
Ferrous Scrap Metal			Unprocessed	As per working plan (reported on count sheet)	Skip (Yard)					

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Asbestos				Unprocessed	As per working plan (reported on count sheet)	Skip (Yard)						
Plasterboard				Unprocessed	As per working plan (reported on count sheet)	Skip (Yard)						
Chemicals				Unprocessed	As per working plan (reported on count sheet)	CChem Safe (Yard)						

Drawing 1. Location of key receptors



Drawing 2. Site Layout Plan

[illegible]

FOR INFORMATION

Commercial in Confidence

FLINTSHIRE COUNTY COUNCIL

OAKENHOLT RECYCLING SITE

GENERAL ARRANGEMENT

Size @ 1"	Color	Overload	Appl.
1-200	CM	DV	APR

Original to _____ Date _____

080635 14-DEC-16

Disposing Workbooks

Printed Report for: 12/16/16 for: Rpt. Appl. 080635 CM DV APR 1015

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