SURFACE WATER MANAGEMENT PLAN

ADS Recycling, 63 Camsley Lane, Lymm, Warrington, Cheshire, WA13 9BY

Neil Thomson T/A ADS Recycling

Version:	1.0	**Date:**	09 September 2025		
Doc. Ref:	CAMS-0461-I	**Author(s):**	EG	**Checked:**	CP
Client No:	0461	**Job No:**	005		

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REGISTERED IN THE UK | COMPANY NO. 4850754

Document History:

Version	Issue date	Author	Checked	Description
1.0	09/09/2025	EG	CP	Application copy

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1 Introduction

1.1 General

1.1.1 Oaktree Environmental Ltd have been instructed to prepare this Surface Water Management Plan (SWMP) on behalf of Neil Thomson T/A ADS Recycling (the operator).

1.1.2 This SWMP outlines the arrangements to manage surface water at ADS Recycling, 63 Camsley Lane, Lymm, Warrington, Cheshire, WA13 9BY.

1.1.3 The permit boundary is illustrated in green on Drawing No. CAMS/0461/02 Permit Boundary Plan. All references to 'the site' in this SWMP refers to the associated operations, infrastructure, plant, and equipment within this boundary.

1.1.4 This SWMP has been prepared to support a permit variation application to vary the operators permit from a Standard Rules 2022 No4 to a bespoke operation. The site is operated in accordance with Environmental Permit (EP) Ref. EPR/RP3296CB.

1.2 Site Location

1.2.1 The site is located on the outskirts of Warrington, approximately 1.3km east of the suburban village of Thelwall.

1.2.2 The site is situated in a semi-rural location, with land use immediately surrounding the site comprising of other commercial / industrial premises with aggregate fields beyond these and clustered areas of residential dwellings.

1.2.3 There are multiple surface water features located within 1km of the site including the Thelwall Brook, Bridgwater Canal, Massey Brook, Manchester Ship Canal and the River Mersey.

1.2.4 A SSSI, Woolston Eyes, is located approximately 820m north of the site. Further receptors within 1km of the site can be found on Drawing No. CAMS/0461/04 Receptor Plan.

1.2.5 In accordance with the GOV.UK flood map for planning, the site is located in a Flood Zone 1 which is classified as having a less than 1 in 1,000 annual probabilities of flooding from rivers or seas and is considered the lowest probability of flooding at less than 0.1% chance. The site is also identified as being at very low risk of surface water flooding.

2 Site Operations

2.1 Permitted Operations

2.1.1 Operations on site consist of a household, commercial, industrial (HCI) waste transfer facility with physical treatment. Activities undertaken in accordance with the EP include:

a) Sorting (with loading shovel/360^{o} excavator or by hand).
b) Manual separation (by picking line).
c) Screening (by using appropriate mechanical screening plant and equipment).
d) Mechanical separation (by density separator).
e) Baling (by using an appropriate handfed manual baler).

2.1.2 Waste types accepted will comprise of strictly non-hazardous waste, waste will arrive in mixed skips for treatment on site comprising any of the above activities listed in section 2.1.1 a-e.

2.2 Drainage Arrangements

2.2.1 The drainage arrangements on site are illustrated on Drawing No. CAMS/0461/03 & 05.

2.2.2 Drainage on site is separated into two different systems, one for the north and one for the south of the site. The partition concerning what is considered the north and south of the site is delineated on Drawing No. CAMS/0461/03 & 05.

2.2.3 The southern area of the site includes covered operational and storage areas (waste transfer/treatment building with covered waste storage bays) and a fully sealed drainage system. The southern area is laid to fall to a 3,000 litre underground sealed storage tank which is emptied by a licenced contractor and taken to a suitably permitted facility for treatment.

2.2.4 The 3,000-litre sealed underground storage tank is situated inside the waste transfer building, in the area where skips are temporarily stored prior to tipping or during tipping. This precautionary measure is to ensure any potential residues in skips will be immediately captured within the tank to prevent contamination of other wastes on site and tracking of potentially contaminated residues around the site which could escape into the surface water drainage system in the north.

2.2.5 Surface water from the northern area of the site drains to surface water via a 10,000-litre underground tank which passes water through a three-stage full retention interceptor before discharge to Thelwall Brook.

2.2.6 Any mud, silt or debris on the site surface would also be captured within the interceptor preventing these from being discharged to surface water. The interceptor will be emptied when 80% full or every 6 months (whichever is sooner).

2.2.7 It is considered due to the waste types stored (separated non-hazardous waste) and the secure storage measures implemented in the northern area that no contaminated surface water will be discharged into the Thelwall Brook.

2.2.8 Further details of the waste storage measures have been outlined in section 2.3 below.

2.3 Waste Storage

2.3.1 Once processed waste is stored in dedicated storage areas prior to removal off site.

2.3.2 Waste storage in the northern area of the site will comprise of secure covered bays, secure sealed external bays and secure fully sealed containers. Waste storage bays have been engineered to slope backwards so that any rainfall which may have entered the bay (the likelihood of which is considered negligible in the first instance as the bays are covered) will fall and be captured in the back of the bay and not be discharged to surface water. Bays have a 0.1m high sleeping policeman positioned in front of them to further retain any surface water within the bay. Therefore, based on these storage

measures, no surface water from waste storage areas 17 – 24B will be discharged to the Thelwall Brook.

2.3.3 All wastes to be stored in the northern area will have passed the initial pre-acceptance and waste acceptance procedures and will comprise separated and processed waste, meaning any potential contaminants have been removed. Fully sealed skips used to store waste will have no drainage holes at the bottom to ensure any potential water remains captured within the skip. Outside of operational hours or in periods of heavy rainfall skips will be covered to ensure the skip does not become flooded with water and potentially overflow.

2.3.4 Waste stored in skips externally will not be overfilled or exceed the height of the skip. Waste will have a 0.2m freeboard from the height of the skip to ensure this.

2.3.5 Site operatives will undertake daily inspections on storage skips in the northern yard of the site to ensure they remain fully sealed i.e. there are no holes water could drain from, and waste is not exceeding the height of the skip and has a 0.2m freeboard.

2.3.6 The above checks will be recorded on the inspection checklist included in Appendix II.

2.3.7 It is considered storing separated waste types in secure, fully sealed containers is a sufficient measure to prevent contaminated surface water discharge to the Thelwall Brook as it effectively eliminates the risk of contaminated runoff by isolating the waste and any potential leachate within the fully sealed container.

2.3.8 Based on the above storage and containment measures it is considered any surface water which enters the 3-stage interceptor and is discharged into the Thelwall Brook will not have directly come into contact with any waste on site.

2.4 Loss of Containment – Leaks or Spills

2.4.1 There is diesel and AdBlue storage on site in bunded tanks positioned in the south of the site and a secondary diesel tank in the north of the site with the out-of-hours mobile plant storage area positioned in the south of the site. If there were to be a spill or leak from any of the fuel or mobile plant stored in the south of the site, the contents would drain towards the underground sealed storage tank.

2.4.2 All fuel and hazardous fluid stored on site is stored in accordance with the following:

a) Tanks are surrounded by a bund capable of containing a minimum of 110% of the volume of fuel stored in the tank.
b) All pipework and associated infrastructure will be enclosed within the bund.
c) A lock will be fitted to the tank valve to prevent unauthorised operation.
d) All valves and gauges on the bund will be constructed to prevent damage caused by frost.

2.4.3 Emergency spill kits will be available on site and in the event of a spill the penstock valve will be initiated to prevent hazardous fluid entering the 3-stage interceptor and discharging to the Thelwall Brook.

2.4.4 Storage tanks, plant and vehicles are inspected daily for signs of leaks or spills.

2.5 Site Inspection Programme

2.5.1 As outlined above, skips will be inspected daily in accordance with the inspection checklist included in Appendix II.

2.5.2 The site drainage system will also be inspected daily by site operatives; this includes the inspection of drainage pipes and channels and that they are functioning correctly as well as the 3-stage interceptor. Inspecting for any visible signs of contamination in surface water i.e. colour changes or any visible sheen.

2.5.3 Site operatives will continuously monitor for waste material that may have escaped the appropriate waste storage areas, keeping all areas where running surface water will pass and be discharged to surface water free of material. This will be implemented through a strict cleaning schedule undertaken periodically throughout the working day.

2.5.4 Following inspections, if the skips are found to be not suitable e.g. there are holes in them etc or there are visible signs of contaminants in the surface water, the shut off valve on the interceptor will be initiated to prevent the risk of potentially contaminated surface water being discharged from the site.

3 Appropriate Measures

3.1 Alternative Measures

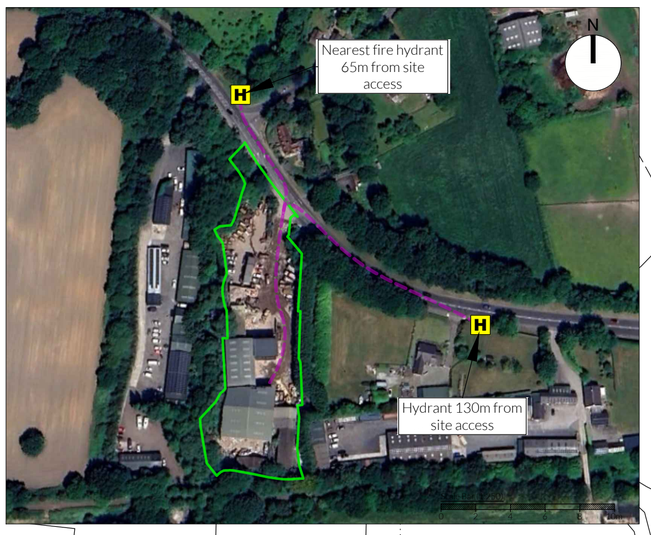
3.1.1 Although the surface water management measures implemented on site which are outlined throughout this document, do not strictly adhere to the appropriate measures guidance. It is considered storing separated non-hazardous waste in suitable secure containers provides a robust and effective method of preventing pollution and managing surface water risks and as such represents a sufficient and justified alternative to certain aspects of the EA's Appropriate Measures guidance.

3.1.2 By ensuring that waste types are stored in fully sealed containers, the potential for contaminants to leach into surface water during rainfall events is significantly minimised. Furthermore, secure containment mitigates the risk of accidental spills, wind dispersal, or run-off, offering a controlled and auditable system for managing waste on site. This approach aligns with the overarching objectives of the guidance—to prevent pollution.

3.1.3 Waste is not stored in a way that could present a high risk of leachate entering the drainage system, which is evidenced on the site layout plan, nor are wastes that present a high risk of containing contaminants accepted on site i.e. hazardous waste.

Appendix I

Drawings



NOTES

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REVISION HISTORY

Rev:	Date:	Init:	Description:
-	09.11.24	CP	Initial drawing
A	19.12.24	CP	Updated for permit var submission
B	08.09.25	CP	Added additional drainage information

Key:

- Permit boundary
- Waste storage areas
- Temporary waste storage / sorting areas
- Non-waste fuel, fluids storage
- Non-waste storage areas
- Out-of-hours mobile plant storage
- Waste transfer / recycling building (impermeable concrete floor)
- Concreted areas
- Other buildings (offices, etc.)
- Stone surface / free draining
- Quarantine area
- Interlocking concrete fire walls (minimum 0.8m thick)
- Mains water point
- Spill kit
- Fire fighting equipment (extinguishers, etc.)
- Access routes for emergency services
- Surface water fall direction
- Surface water drainage
- ACO drain (surface)
- Plant shut off
- Fire assembly point
- CCTV cameras (indicative)
- Designated smoking area
- Firewater boom deployment area
- Firewater containment equipment i.e. booms
- Fire hydrant
- Hose reels

Plan Ref	Description
AREAS 1 - 5	Sorted waste bays containing mixed waste, wood, green waste and plasterboard
AREA 6	Mixed waste infeed pile
AREA 7	Oversize non-recyclable waste
AREAS 8A - 8B	WEEE skips
AREA 8C	Cable bins
AREA 9	<75mm screened fines
AREA 10	Residual lights (>75mm)
AREAS 11 - 14	Hand sorted recyclables i.e. wood, plastic, residual waste, cardboard etc..
AREA 15	<25mm fines (inert)
AREA 16	<25mm fines (non-inert/lights)
AREA 17	<25mm fines (inert/soil)
AREA 18	<25mm fines (inert/stone)
AREAS 19 - 23	Hand sorted recyclables and source segregated wastes i.e. wood, plastic, metal, cardboard
AREA 24A	Oversize concrete, hardcore and stone from the recycling plant
AREA 24B	Source segregated oversize concrete, hardcore and stone
AREA 25A	Non-ferrous metal (aluminium) - source segregated
AREA 25B	Non-ferrous metal (aluminium) - source segregated
AREAS 26A - 26D	Sorted recyclable skips i.e. tyres, hard plastic, oversize scrap
AREAS 27A - 27D	Sorted recyclable skips i.e. uPVC, oversize scrap metal, hard plastic, cardboard

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DRAWING TITLE
SITE LAYOUT & FIRE PLAN

CLIENT
Neil Thomson T/A ADS Recycling

PROJECT/SITE
ADS Recycling, 63 Camsley Way, Lymm, Warrington Cheshire WA13 9BY

SCALE @ A1	CLIENT NO	JOB NO
1:250	461	005

DRAWING NUMBER	REV	STATUS
CAMS-461-03	A	Issued

DRAWN BY	CHECKED	DATE
CP	--	19.12.24

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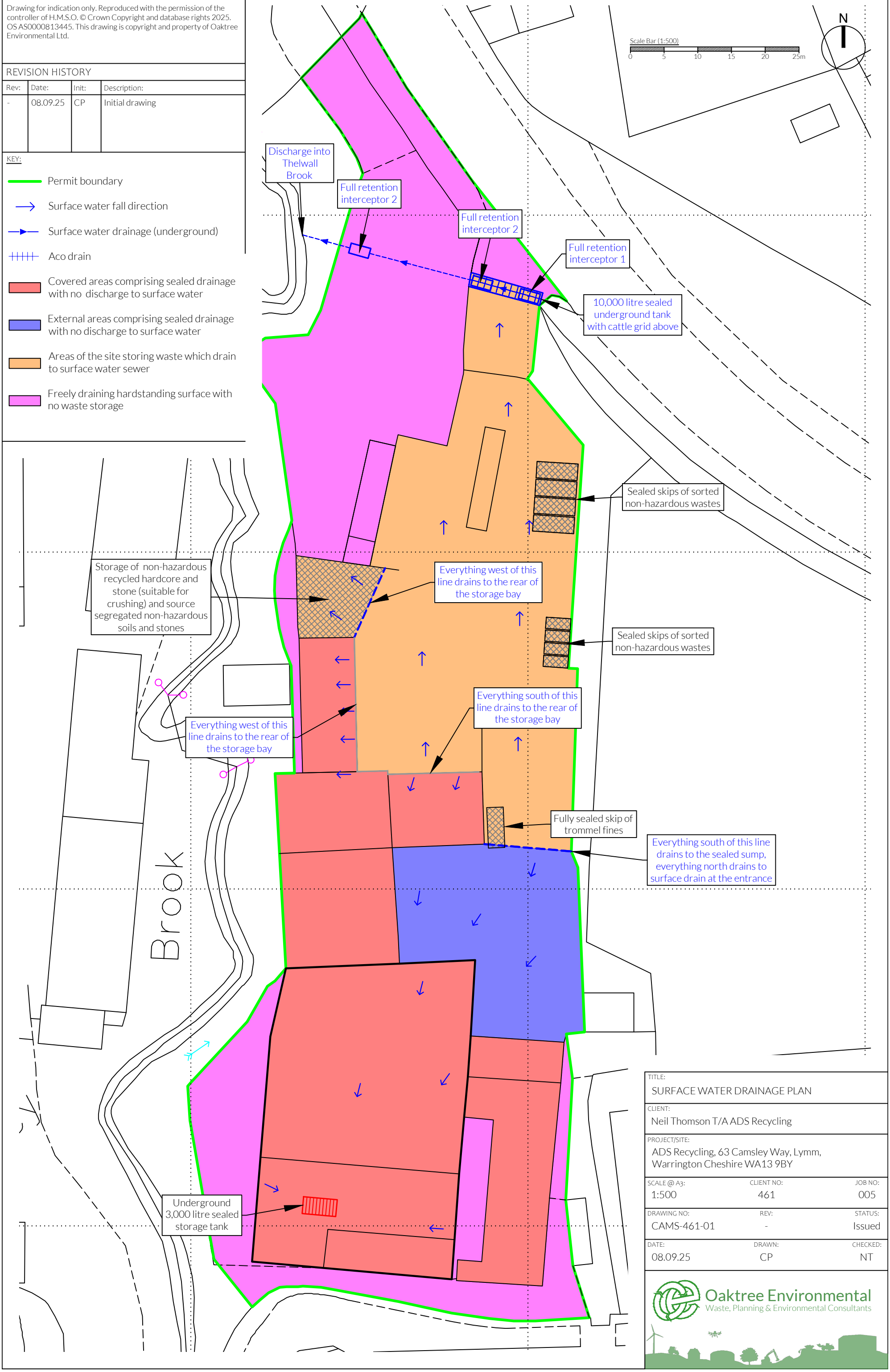
NOTES

REVISION HISTORY

Rev:	Date:	Init:	Description:
-	08.09.25	CP	Initial drawing

KEY:

- Permit boundary
- Surface water fall direction
- Surface water drainage (underground)
- Aco drain
- Covered areas comprising sealed drainage with no discharge to surface water
- External areas comprising sealed drainage with no discharge to surface water
- Areas of the site storing waste which drain to surface water sewer
- Freely draining hardstanding surface with no waste storage



TITLE: SURFACE WATER DRAINAGE PLAN

CLIENT: Neil Thomson T/A ADS Recycling

PROJECT/SITE: ADS Recycling, 63 Camsley Way, Lymm, Warrington Cheshire WA13 9BY

SCALE @ A3:	CLIENT NO:	JOB NO:
1:500	461	005

DRAWING NO:	REV:	STATUS:
CAMS-461-01	-	Issued

DATE:	DRAWN:	CHECKED:
08.09.25	CP	NT

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Appendix II

Inspection Checklist

NEIL THOMSON T/A ADS RECYCLING
SITE INSPECTION FORM – KRL/RF/4

WEEK STARTING

TYPE OF INSPECTION		FREQ	DAY						
			M	T	W	T	F	S	S
SITE ENTRANCE/NOTICE BOARD		**WEEKLY**							
SECURITY - GATES		**WEEKLY**							
SECURITY - FENCING		**WEEKLY**							
SITE ROADS (CLEAR FROM HAZARDS)		**DAILY**							
IMPERMEABLE CONCRETE AREAS		**DAILY**							
BUND AROUND CONCRETE PAD (INTEGRITY)		**DAILY**							
DRAIN (FUNCTIONING)		**DAILY**							
WASTE CONTAINERS		**DAILY**							
WASTE STORAGE LIMITS	MIXED WASTE	**WEEKLY**							
WASTE STORAGE LIMITS	INERTS	**WEEKLY**							
WASTE STORAGE LIMITS	OTHER	**WEEKLY**							
REJECTED WASTE TYPES / STORAGE		**WEEKLY**							
NOISE LEVELS		**DAILY**							
FIRES (ANY INCIDENTS REPORTED)		**DAILY**							
NO SMOKING SIGNS IN PLACE		**MONTHLY**							
SPILLAGES & ABSORBENTS		**DAILY**							
FUEL TANK/BUND INTEGRITY		**WEEKLY**							
LITTER		**DAILY**							
DUST		**DAILY**							
ODOUR		**DAILY**							
VERMIN		**DAILY**							
DRAINAGE SYSTEM		**DAILY**							
WASTE STORAGE CONTAINERS		**DAILY**							
RECORDS		**WEEKLY**							
COMPLAINTS RECEIVED		**AS REQUIRED**							
OTHER (SEE NOTES BELOW)		**AS REQUIRED**							
INSPECTION CARRIED OUT BY									

	NOTES/ACTION (CONTINUE ON A SEPARATE SHEET IF NECESSARY):

CHECKED BY			**SIGNATURE**	
POSITION			**DATE**	
Sheet			***of***	