

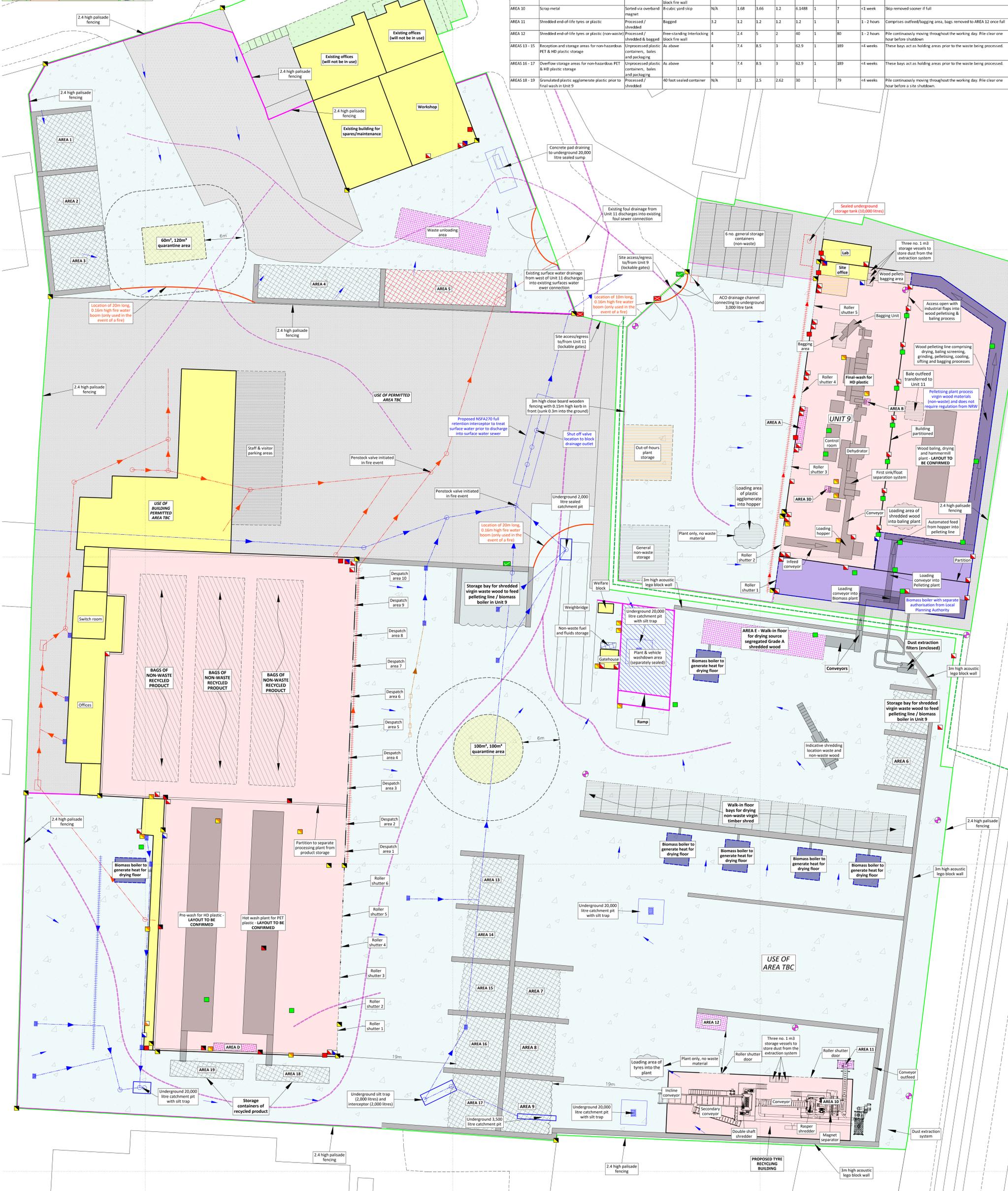


Scale: 1:2000
 0 10 20 30 m



FIRE HYDRANT LOCATION

Plan Ref	Description	Storage type	Containment / type	Height of firewall (m)	Max width (m)	Max length (m)	Max height (m)	Max area (m ²)	Conversion factor used	Max volume (m ³)	Max storage time	Comments
AREAS A - D	Waste wash residue storage	<1,000 sealed IBC containers	N/A	N/A	5	1	1	5	1	5	<1 week	The containers will be emptied when full and replenished with a new empty container.
AREA E	Enclosed walk-in floor for drying shredded non-hazardous untreated waste wood	Sealed walk-in floor container	Walk-in floor container	3.2	20	4	2	80	1	160	<1 hour	The walk-in floor is fed continuously throughout the day with shredded Grade A wood and is empty once the site is closed.
AREA 1 - 3	Holding bays for non-hazardous hard plastic (containers) - acting as mainly overflow storage from Unit 11	Unprocessed plastic containers, bales and packaging	As above	3.2	9	9	2.2	81	1	178	<8 weeks	These bays act as holding areas prior to the waste being processed if all other bays on Unit 11 are full.
AREA 4	As above	Unprocessed plastic containers/drums	As above	3.2	20	5.4	2.2	108	1	238	<8 weeks	As above
AREA 5	Holding bays for hazardous hard plastic	Unprocessed plastic containers/drums	As above	3.2	20	5.4	2.2	108	1	238	<4 weeks	The waste in this area would be removed to alternative site every 4 weeks or sooner if full or potential pollution.
AREA 6	Shredded untreated and non-hazardous wood	Processed / shredded	Free-standing interlocking block fire wall	4	7.4	10	3	74	0.75	167	<4 weeks	This bay acts as a holding area prior to being shredded for use into the biomass boiler or pelleting plant.
AREAS 7 & 8	Reception and storage area for non-hazardous PET & HD plastic storage or whole end-of-life tyres	Unprocessed / sorted	Free-standing interlocking block fire wall	4	7.4	8.5	3	62.9	0.75	142	<4 weeks	Areas act as holding and sorting areas prior to being fed into the relevant treatment plant.
AREA 9	Whole end-of-life tyres	Unprocessed	Free-standing interlocking block fire wall	4	7.4	8.5	3	62.9	1	189	<1 week	Pile continuously moving throughout the working day.
AREA 10	Scrap metal	Sorted via overhead magnet	8-cubic yard skip	N/A	1.68	3.66	1.2	6,1488	1	7	<1 week	Skip removed sooner if full.
AREA 11	Shredded end-of-life tyres or plastic	Processed / shredded	Bagged	3.2	1.2	1.2	1.2	1.2	1	1	1 - 2 hours	Comprises outfeed/bagging area, bags removed to AREA 12 once full.
AREA 12	Shredded end-of-life tyres or plastic (non-waste)	Processed / shredded & bagged	Free-standing interlocking block fire wall	4	2.4	5	2	40	1	80	1 - 2 hours	Pile continuously moving throughout the working day. Pile clear one hour before shutdown.
AREAS 13 - 15	Reception and storage areas for non-hazardous PET & HD plastic storage	Unprocessed plastic containers, bales and packaging	As above	4	7.4	8.5	3	62.9	1	189	<4 weeks	These bays act as holding areas prior to the waste being processed.
AREAS 16 - 17	Overflow storage areas for non-hazardous PET & HD plastic storage	Unprocessed plastic containers, bales and packaging	As above	4	7.4	8.5	3	62.9	1	189	<4 weeks	These bays act as holding areas prior to the waste being processed.
AREAS 18 - 19	Granulated plastic agglomerate plastic prior to final wash in Unit 9	Processed / shredded	40 foot sealed container	N/A	12	2.5	2.62	30	1	79	<4 weeks	Pile continuously moving throughout the working day. Pile clear one hour before a site shutdown.



Oaktree Environmental Ltd
 Waste, Planning and Environmental Consultants

DRAWING TITLE
 SITE LAYOUT & FIRE PLAN

CLIENT
 New Horizon Biofuel and Animal Beddings Co Ltd

PROJECT/SITE
 Units 9, 10 & 11, Vauxhall Industrial Estate, Ruabon, Wrexham LL14 6HA

SCALE @ A0
 1:200

CLIENT NO
 2704

JOB NO
 017

DRAWING NUMBER
 VIE/2704/03

REV
 M

STATUS
 ISSUED

DRAWN BY
 CP

CHECKED
 NHB

DATE
 10.07.24

- Key:**
- Permit boundary
 - Area covered by Part B Authorisation with UP and area not part of permitted operations
 - Combustible waste storage areas
 - Combustible waste storage areas (potentially hazardous)
 - Temporary storage areas (maximum 1 - 2 hours)
 - Product storage non-waste
 - Out-of-hours mobile plant storage
 - Waste recycling buildings
 - Concrete areas
 - Other buildings (offices, etc.)
 - Stone surface / free draining
 - Landscaped/grass areas
 - Location of feed & mobile plant (inductive)
 - Interlocking concrete fire walls (minimum 0.6m thick)
 - 0.10 - 0.15m high concrete kerbing/seal
 - Mains water point
 - Spill kit
 - Fire fighting equipment (extinguishers, etc.)
 - Fire water containment / pollution control equipment i.e. booms, drain mats, drain plugs etc.
 - Protective clothing location
 - Access routes for emergency vehicles and site plant manoeuvring areas
 - Fire alarm
 - Surface water fall direction
 - Surface water drainage
 - Foul water drainage
 - Redundant, collapsed drainage
 - ACO drain (roof)
 - ACO drain (surface)
 - Foul, surface water and redundant manholes
 - Gully's
 - Plant shut off
 - Fire assembly point
 - CCTV cameras (inductive)
 - Infrared/heat detection cameras
 - Emergency services box
 - Public Right of Way (PROW)

REVISION HISTORY

Rev	Date	Int	Description
A	03.06.21	CP	Initial drawing
B	11.10.21	CP	Updated layout / client comments
C	21.02.22	CP	Updated layout / NRW comments
D	26.09.22	CP	Updated layout / NRW comments
E	11.11.22	CP	Updated layout / NRW comments
F	15.11.22	CP	Updated layout / NRW comments
G	09.03.23	CP	Drift to remove Unit 10 and add Unit 11
H	27.07.23	CP	Updated for permit variation copy
I	04.10.23	CP	Re-addition of Unit 10
J	08.12.23	CP	Operator comments
K	23.02.24	CP	NRW/Operator comments
L	15.05.24	CP	NRW/Operator comments
M	10.07.24	CP	NRW/Operator comments

NOTES
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