



Licence number	L9366/2022/1	
Licence holder	4M Waste Pty Ltd	
ACN	631 452 492	
Registered business address	57 Forrest Street SUBIACO WA 6008	
DWER file number	DER2022/000497	
Duration	20/03/2023 to	19/03/2043
Date of issue	20/03/2023	
Premises details	4M Waste 39 Resources Way MALAGA WA 6090 Legal description - Lot 2000 on Deposited Plan 9309 being the whole of the land in certificate of Title Volume 2552 Folio 636 As defined by the coordinates in Schedule 2 (delete if not applicable)	

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)	Assessed design capacity
Category 57: Used tyre storage – premises (other than premises within category 56) on which tyres are stored	<i>Up to 500 tyres at any one time</i>
Category 61A: Solid waste facility – premises (other than premises within category 67A) on which solid waste produced on other premises is stored, reprocessed, treated, or discharged onto land.	<i>Up to 50,000 tyres per year</i>

This licence is granted to the licence holder, subject to the attached conditions, on 20 March 2023, by:

STEPHEN CHECKER
MANAGER WASTE INDUSTRIES
REGULATORY SERVICES

an officer delegated under section 20 of the *Environmental Protection Act 1986* (WA)

[L9366/2022/1](#)

Licence history

Date	Reference number	Summary of changes
20/03/2023	L9366/2022/1	<i>Licence granted for a twenty-year period</i>

Interpretation

In this licence:

- (a) the words 'including', 'includes' and 'include' in conditions mean "including but not limited to", and similar, as appropriate;
- (b) where any word or phrase is given a defined meaning, any other part of speech or other grammatical form of that word or phrase has a corresponding meaning;
- (c) where tables are used in a condition, each row in a table constitutes a separate condition;
- (d) any reference to an Australian or other standard, guideline, or code of practice in this licence:
 - (i) if dated, refers to that particular version; and
 - (ii) if not dated, refers to the latest version and therefore may be subject to change over time;
- (e) unless specified otherwise, any reference to a section of an Act refers to that section of the EP Act; and
- (f) unless specified otherwise, all definitions are in accordance with the EP Act.

NOTE: This licence requires specific conditions to be met but does not provide any implied authorisation for other emissions, discharges, or activities not specified in this licence.

Licence conditions

The licence holder must ensure that the following conditions are complied with:

Infrastructure and equipment

1. The licence holder must ensure that the site infrastructure and equipment listed in Table 1 and located at the corresponding infrastructure location is maintained and operated in accordance with the corresponding operational requirement set out in Table 1.

Table 1: Infrastructure and equipment requirements

Site infrastructure and equipment	Operational requirement	Infrastructure location
Warehouse (Tyre storage and shredding building)	<ul style="list-style-type: none"> • Concrete floor to be free of leaks and defects; • Must be secure at all times to prevent unauthorised access to the building from persons not employed on the premises; • On site spill kit (including sorbent socks) to be maintained and in good working order at all time; • No more than 500 whole tyres shall be stored on the premises at any one time; • All tyres will be stored internally inside the warehouse at the location shown in Schedule 1 Figure 2 in accordance with DFES GN02; • Processed tyre crumb is to be stored in the warehouse only within 1 or 2 tonne bulka bags; • Ensure that rubber crumb is not stored in direct sunlight; • Ensure rubber crumb is not touching any metallic objects (walls/wall struts); • Ensure there is airflow around the rubber crumb); • Ensure that rubber crumb is not touching a wall; • Tyres shall only be stored within the Tyre storage and crumbing building on the premises; • Tyres must be stored on their sides in pallet stackers on level ground; • Tyres shall be processed within 7 days of receipt at the premises; • No more than 100 tonnes of tyre crumb including tyre sidewalls are to be stored on the premises at any one time; • Tyre crumb stored in stockpiles of stacked bulka bags must not exceed 2.5 m in stockpile height. 	Premises Layout Plan in Schedule 1

Site infrastructure and equipment	Operational requirement	Infrastructure location
	<ul style="list-style-type: none"> Each batch/bag of tyre crumb produced shall be labelled with the date that the product was made; and Each batch/bag of tyre crumb shall be removed from the premises within 7 days of being manufactured. 	
Surface water containment infrastructure	<ul style="list-style-type: none"> Constructed of impervious graded concrete with the capability to contain at least 432,000 L of firewater; and Regularly serviced and maintained in good operational condition at all times. 	Concrete yard area with graded bunding (Figure 3)
Tyre processing equipment	<ul style="list-style-type: none"> Tyre processing equipment, including rubber crusher, mill, conveyors, fibre separator, shredded tyre bulka bags and shredder to be located within the warehouse (as depicted in Schedule 1, Figure 1); and Must be operated in a manner that ensures that noise emissions comply with the <i>Environmental Protection (Noise) Regulations 1997</i>; 	Within the warehouse - tyre processing equipment location (figure 2)
Drain filter catch bags	<ul style="list-style-type: none"> Regularly serviced and maintained in good operational condition at all times 	Drain sumps
All on site fire prevention equipment and fire hydrants	<ul style="list-style-type: none"> All fire hydrants must be installed, operated and maintained in accordance with: <ul style="list-style-type: none"> AS 2419.1; and AS 1851-2012. All on-site fire management and prevention equipment to be stored so access is not impeded by infrastructure or equipment used in site operations; and All on-site fire management and prevention equipment must be maintained and in good working order at all times. 	
External yard area	<ul style="list-style-type: none"> Concrete floor to be free of leaks and defects; No tyre processing activities allowed; Shall not be used to store any whole tyres or tyre crumb; and Must be sloped or the perimeter sufficiently bunded, to contain surface run-off and firewater generated within the premises boundary. 	Premises Layout Plan in Schedule 1
Fire and emergency management plan	<ul style="list-style-type: none"> Regularly updated and maintained in good operational condition at all times in accordance with AS 3745- <i>Planning for Emergencies in Facilities</i> 	As detailed in the Fire and emergency management plan in Schedule 1

2. The licence holder must only store whole tyres inside warehouse in the following manner:
 - (a) individual tyre stacks do not exceed:
 - (b) 30 square metres (30m²) in area; and
 - (c) 3.7 metres in height;
 - (d) tyre stacks must remain at least 1m clear from the underside of the building's roof or ceiling, roof structural members and lights;
 - (e) tyre stacks must have a minimum clearance of 3 metres around the stockpiles, clear of any obstacle or other combustible material;
 - (f) The paths of travel in the warehouse must always be kept clear and unobstructed; and
 - (g) Shredded tyres must be immediately disposed of into shredded tyre containers that will be sealed when full or when daily shredding activities cease.
3. The Premises must be secured when unattended.
4. Tyre stacks must not obscure fire protection equipment or related signage.
5. The licence holder must ensure the fire and emergency management requirements in Table 1 are complied with in the event of a fire.
6. The licence holder must maintain the hardstand to ensure that all liquid produced in a fire can be contained within the Premises.
7. The licence holder must ensure contaminated liquid is not discharged beyond the boundary of the premises in the event of a fire.

Table 1: Fire and emergency management requirements

Management Requirement		Fire and emergency management requirements
1.	Fire hydrant	<p>(a) Within 60 days of the commencement of this licence, the licence holder must install a minimum of one fire hydrant, located within the premises boundary, for use in the event of a fire.</p> <p>(b) The fire suppression system:</p> <ol style="list-style-type: none"> (i) must be operated and maintained in accordance with AS 2419.1; and AS 1851-2012; (ii) must provide the maximum hydraulic demand for a minimum of four hours; and (iii) minimum hydrant flow rate of 30L/s is provided at suitable pressure in accordance with AS2419.1.

Management Requirement		Fire and emergency management requirements
2.	Firewater containment	<p>(a) Firewater that may result at the premises from fire-fighting activities must be:</p> <p>(i) contained on the premises within the capacity of hardstand and low permeability infrastructure; and</p> <p>(ii) does not escape to the premises' stormwater system, adjacent premises or exposed soil areas; and</p> <p>(b) Bunding must be available to prevent firewater from entering the onsite soak well system.</p> <p>(c) Bunding must be available to prevent firewater from entering other drains and discharge points.</p> <p>(d) Contingency arrangements must exist for the removal of firewater, in excess of the containment capacity, by a carrier licensed under the <i>Environmental Protection (Controlled Waste) Regulations 2004</i> within 24 hours of the extinguishment of a fire at the premises within 24 hours of the extinguishment of a fire at the premises, to ensure firewater does not discharge to the environment.</p>
3.	Fire management	<p>(a) The premises must operate an on-site fire detection system designed and installed in accordance with AS1670.1.</p> <p>(b) The size of stockpiles of recycled material (tyre crumb/ tyre wall) that could cause a fire hazard must be minimised.</p> <p>(c) A sufficient number of fire hoses on the premises must be provided such that all areas of the premises can be reached.</p> <p>(d) Ensure that any fire on the premises is extinguished as soon as possible.</p>
4.	Spill management	<p>(a) Spill kits are to be provided, be stocked and maintained.</p> <p>(b) Adequate spill management practices are to be conducted on an as needs basis.</p>
5.	Notifications	Notifications must follow procedures outlined in the Fire and Emergency Management Plan.

8. The licence holder must only allow waste to be accepted onto the Premises if:

- (a) It is of a type listed in Table 3;
- (b) The quantity accepted is below any limit listed in Table 3; and
- (c) It meets any specification listed in Table 3.

Table 3: Waste acceptance

Waste type	Quantity limit	Specification ¹
Inert Waste Type 2 (tyres only)	Up to 50,000 tyres per annual period	Up to 500 whole tyres may be stored on the premises at any one time.

Monitoring

9. The licence holder must undertake the monitoring specified in Table 4.

Table 4: Monitoring of inputs and outputs

Inputs/Outputs	Parameter	Averaging period	Frequency
Used tyres	Number of tyres received	Annual Period	Each load entering the premises

10. The licence holder must record the total amount of waste removed from the premises, for each waste type listed in Table 5, in the corresponding unit, and for each corresponding frequency set out in Table 5.

Table 5: Waste removed from the premises

Waste type	Unit	Frequency
Tyre crumb	Kg or Tonnes	Each load leaving the premises
Nylon		
Steel		
Inert Waste Type 1 (tyres)	Number, kg or tonnes	

11. The licence holder must record the number of days each batch/bag of tyre crumb is stored on the premises prior to removal off-site.

Records and reporting

12. The licence holder must record the following information in relation to complaints received by the licence holder (whether received directly from a complainant or forwarded to them by the Department or another party) about any alleged emissions from the premises:
- the name and contact details of the complainant, (if provided);
 - the time and date of the complaint;
 - the complete details of the complaint and any other concerns or other issues raised; and
 - the complete details and dates of any action taken by the licence holder to investigate or respond to any complaint.
13. The licence holder must maintain accurate and auditable books including the following records, information, reports, and data required by this licence:
- the calculation of fees payable in respect of this licence;
 - any maintenance of infrastructure that is performed in the course of complying with condition 1 of this licence;
 - monitoring programmes undertaken in accordance with conditions 9, 10 and 11 of this licence; and
 - complaints received under condition 12 of this licence.
14. The books specified under condition 13 must:
- be legible;

- (b) if amended, be amended in such a way that the original version(s) and any subsequent amendments remain legible and are capable of retrieval;
 - (c) be retained by the licence holder for the duration of the licence; and
 - (d) be available to be produced to an inspector or the CEO as required.
- 15.** The licence holder must immediately notify the CEO of:
- (a) any fire on the premises; and/or
 - (b) any accident, malfunction or emergency which could result in the discharge of fire water or other wastes from the premises.
- 16.** The licence holder must immediately notify within 7 days of becoming aware of any non-compliance with condition 1 and 7 of this licence, notify the CEO in writing of that non-compliance and include in that notification the following information:
- (a) which condition was not complied with;
 - (b) the time and date when the non-compliance occurred;
 - (c) if any environmental impact occurred as a result of the non-compliance and if so what that impact is and where the impact occurred;
 - (d) the details and result of any investigation undertaken into the cause of the non-compliance
 - (e) what action has been taken and the date on which it was taken to prevent the non-compliance occurring again; and
 - (f) what action will be taken and the date by which it will be taken to prevent the non-compliance occurring again.
- 17.** The licence holder must:
- (a) undertake an audit of their compliance with the conditions of this licence during the preceding annual period; and
 - (b) prepare and submit to the CEO by no later than 30 days after the end of that annual period an Annual Audit Compliance Report in the approved form.
- 18.** The licence holder must submit to the CEO by no later than 30 days after the end of each annual period, an Annual Environmental Report for that annual period for the conditions listed in Table 6, and which provides information in accordance with the corresponding requirement set out in Table 6.

Table 6: Annual Environmental Report

Condition	Requirement
-	Summary of any failure or malfunction of any pollution control equipment and any environmental incidents that have occurred during the annual period and any action taken
1, 8	Summary of any limit exceeded
1	Copy of the most recent and up-to-date Site Fire and Emergency Management Plan
9, 10	Inputs and outputs data
12	Complaints summary
17	Summary of non-compliances reported during the annual period

Definitions

In this licence, the terms in Table 2 have the meanings defined.

Table 2: Definitions

Term	Definition
ACN	Australian Company Number
Annual Audit Compliance Report (AACR)	means a report submitted in a format approved by the CEO (relevant guidelines and templates may be available on the Department's website).
annual period	a 12 month period commencing from 1 March until 28 February of the immediately following year.
books	has the same meaning given to that term under the EP Act.
CEO	means Chief Executive Officer of the Department. "submit to / notify the CEO" (or similar), means either: Director General Department administering the <i>Environmental Protection Act 1986</i> Locked Bag 10 Joondalup DC WA 6919 or: info@dwer.wa.gov.au
Department	means the department established under section 35 of the <i>Public Sector Management Act 1994</i> (WA) and designated as responsible for the administration of the EP Act, which includes Part V Division 3.
DFES	means the Western Australian Department of Fire and Emergency Services.
discharge	has the same meaning given to that term under the EP Act.
emission	has the same meaning given to that term under the EP Act.
EP Act	<i>Environmental Protection Act 1986</i> (WA)
EP Regulations	<i>Environmental Protection Regulations 1987</i> (WA)
fire water	means water that, in the event of a fire, has been used to extinguish a fire and all materials and combustion products dissolved or suspended within such water, and includes other fire suppressant substances such as foam.
Inert Waste Type 1	Has the meaning defined in Landfill Definitions.
licence	refers to this document, which evidences the grant of a licence by

Term	Definition
	the CEO under section 57 of the EP Act, subject to the specified conditions contained within.
licence holder	refers to the occupier of the premises, being the person specified on the front of the licence as the person to whom this licence has been granted.
premises	refers to the premises to which this licence applies, as specified at the front of this licence and as shown on the premises map in Schedule 1 to this licence.
prescribed premises	has the same meaning given to that term under the EP Act.
primary activities	refers to the Prescribed Premises categories listed on the front page of this licence, and specifically the use of the equipment utilised for processing whole tyres into tyre crumb (rubber crushing machine, conveyor belts, shaker table, magnets, fibre separator, wall cutter, strip cutter, wire remover cutter and associated ancillary machinery/equipment).
tyre storage and crumbing building	means the building area shown on the Premises Layout map in Schedule 1.
waste	has the same meaning given to that term under the EP Act.

END OF CONDITIONS

Schedule 1: Maps

Premises map

The boundary of the prescribed premises is shown by the pink line in the map below (Figure 1).

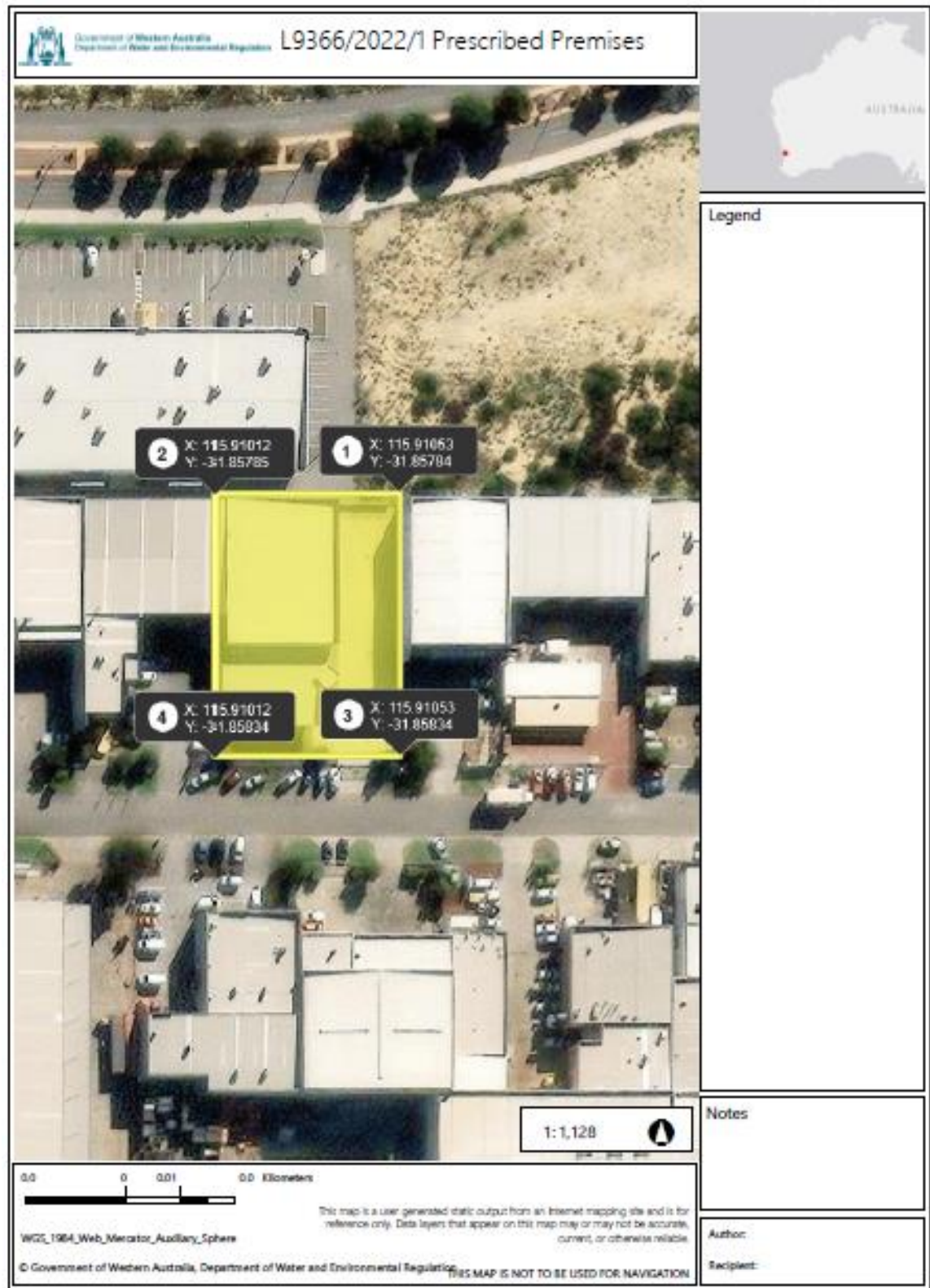


Figure 1: Map of the boundary of the prescribed premises

Tyre processing infrastructure and location

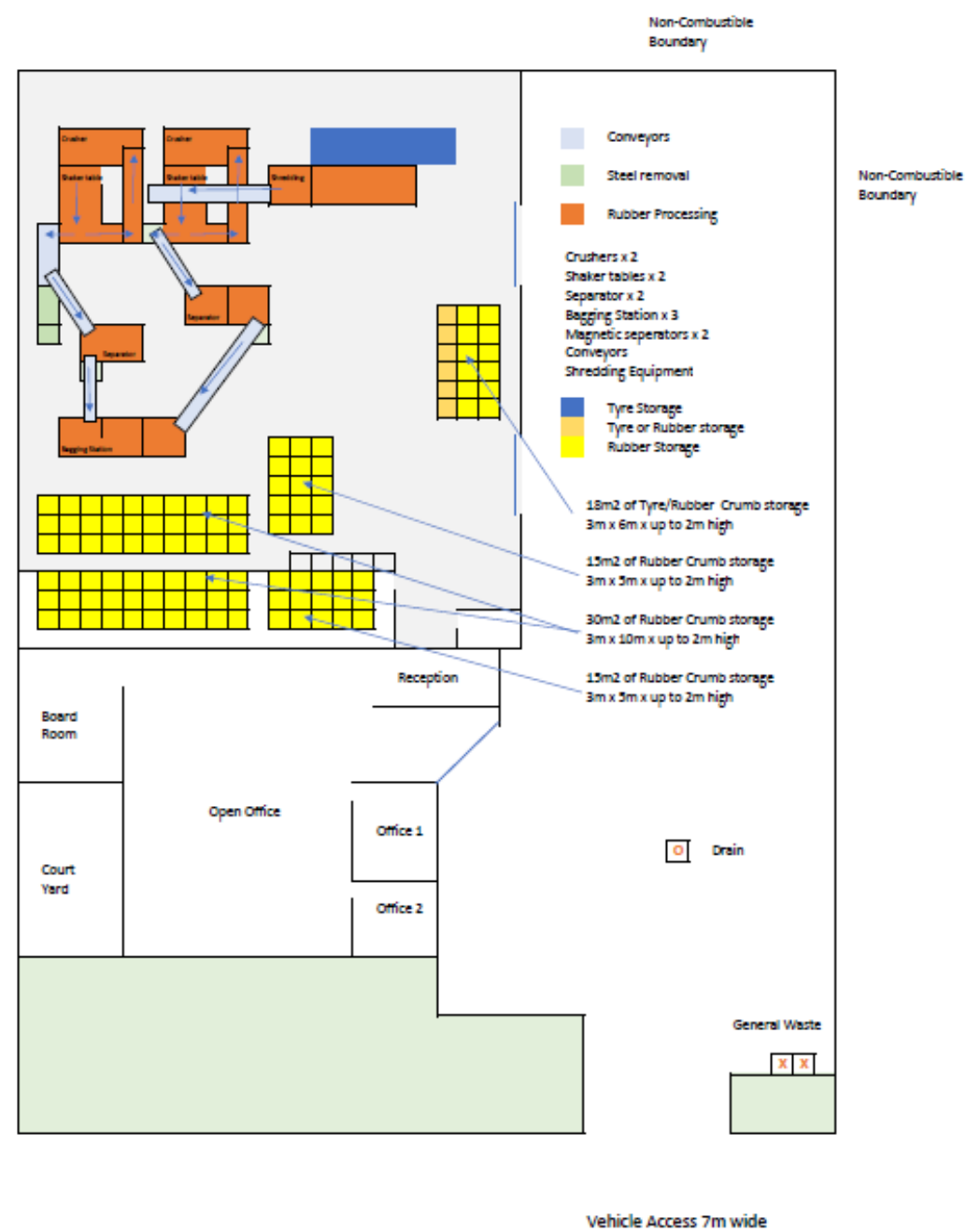


Figure 2: Tyre processing infrastructure

Surface water containment infrastructure and drain filter location



Figure 3: Surface water containment infrastructure (bundings) highlighted in blue and location of drain filter bags

Schedule 2: Premises boundary

The corners of the premises boundary are the coordinates listed in Table 3.

Table 3: Premises boundary coordinates (GDA2020)

	Easting	Northing	Zone
1.	115.91053	-31.85784	
2.	115.91012	-31.85785	
3.	115.91053	-31.85834	
4.	115.91012	-31.85834	