



Licence number	L9238/2020/1
Licence holder	Southern Metropolitan Regional Council
Registered business address	9 Aldous Place BOORAGOON WA 6154
DWER file number	DER2020/000118
Duration	27/11/2020 to 26/11/2040
Date of Issue	27 November 2020
Premises details	RRRC Materials Recovery Facility 350 Bannister Road CANNING VALE WA 6155 Legal description - Part Lot 85 on Plan 2903 Certificate of Title Volume 1220 Folio 158 As defined by Figure 1 in Schedule 1 and the coordinates in Schedule 2.

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)	Assessed production or design capacity
Category 62: Solid waste depot: premises on which waste is stored, or sorted, pending final disposal or re-use.	120,000 tonnes per annual period

This licence is granted to the licence holder, subject to the attached conditions, on 27 November 2020, by:

**/MANAGER WASTE INDUSTRIES
REGULATORY SERVICES**

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

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

Waste Acceptance

1. The licence holder must only accept onto the premises waste of a waste type, which does not exceed the corresponding rate at which waste is received, and which meets the corresponding acceptance specification set out in Table 1.

Table 1: Waste acceptance

Column 1	Column 2	Column 3
Waste type	Rate at which waste is received	Acceptance specification
Inert Waste Type 1	120,000 tonnes per annual period (combined total)	Limited to glass and metal (aluminium and steel)
Inert Waste Type 2		Limited to plastics
Putrescible Waste		Limited to paper and cardboard

2. The licence holder must ensure that where waste does not meet the waste acceptance criteria set out in Condition 1 it is removed from the premises by the delivery vehicle or, where that is not possible, stored in a quarantined storage area or container and removed to an appropriately authorised facility as soon as practicable.
3. The licence holder must ensure that wastes accepted onto the premises, as set out in Column 1 of Table 2, are only subjected to the processes set out in Column 2 and in accordance with any process limits described in Column 3 of Table 2.

Table 2: Waste Processing

Column 1	Column 2	Column 3
Waste type	Process	Process Limits
Inert Waste Type 1	Receipt, handling, compaction, crushing and storage prior to removal off-site.	All waste accepted onto the premises shall be directed to the Waste Reveal area as specified in Row 2 of Table 3 for processing and storage. No more than 1500 tonnes of recyclables shall be stored on site at any given time.
Inert Waste Type 2		
Putrescible Waste		

4. The licence holder must take all reasonable and practical measures to prevent windblown waste from escaping from the premises and that any windblown waste that does escape is collected, on at least a weekly basis, and is appropriately contained.

Infrastructure and equipment

5. The licence holder must ensure that the site infrastructure and equipment listed in Table 3 and located at the corresponding infrastructure location is maintained and operated in accordance with the corresponding operational requirement set out in Table 3.

Table 3: Infrastructure and equipment requirements

Site infrastructure and equipment	Operational requirement	Infrastructure location
Weighbridge	To accurately measure the weight in kilograms of each load arriving, leaving or rejected from the premises.	Site Plan Reference as labelled on Figures 2, 3 and 6 in Schedule 1
Waste Receival	Waste receival area and pre-sort floor: <ul style="list-style-type: none"> • enclosed undercover area with steel plate and hard topped concrete floor (approximate maximum receivals capacity - 400 tonnes); • concrete tilt up walls 5m; and • 1 x Front end loader. 	Site Plan Reference as labelled on Figure 3 in Schedule 1
Plant Processing	Processing floor: <ul style="list-style-type: none"> • enclosed undercover area with hard topped concrete floors; • a conveyor belt system consisting of 60x belt conveyors; 6 x chain conveyors; • separators including 5 x product sorting screens; 2 x magnet belts, 3 x optic sorters (and 3 x dedicated belt conveyors and 1 x eddy current machine with a dedicated belt conveyor); • 1 x plastic bottle perforator; • 2 x compactors; • 1 x air compressor with air dryer and receiver vessel; • 2 x hydraulic balers with automatic shut offs (1 x Godswill Baler and 1x Excel Baler); and • 4 x manual sorting cabins. 	Site Plan Reference as labelled on Figure 3 in Schedule 1
Internal Storage Area and dispatch Glass bunkers	Finished product area: <ul style="list-style-type: none"> • bale storage and dispatch area - separated by 11.68 m concrete wall; • contained within undercover hard topped concrete floor area; • 2 x concrete Glass product storage areas with concrete push walls to 5m; and • 2 x dispatch docks for freight. 	Site Plan Reference as labelled on Figure 3 in Schedule 1

Site infrastructure and equipment	Operational requirement	Infrastructure location
External Bale Storage	Separate bale storage building: <ul style="list-style-type: none"> • 1 x 11.68 m high x 30.5 m length and 20.5 m wide with a total area of 651 m²; • Constructed with a hard topped concrete floor; and • 1 x dispatch dock for freight. 	Site Plan Reference as labelled on Figures 3 and 7 in Schedule 1
Metal bins	Various mobile skip bins for scrap metal, residual and general waste.	Site Plan Reference as labelled on Figure 3 in Schedule 1
Non-conforming waste	Non-conforming waste storage areas pending off-site disposal (hazardous materials storage): <ul style="list-style-type: none"> • lockable cages for flammable gas bottles, fire extinguishers, non-flammable compressed gas bottles and flares; • battery storage tubs; and • 1000 L bunded oil collection container for any oil containers received. 	Site Plan Reference as labelled on Figure 3 in Schedule 1
Motor Control Room	<ul style="list-style-type: none"> • Motor control room which controls electrical supply to the plant and electrical boards; and • dedicated NOVEC fire suppression system that floods the electrical equipment in the control room with a gas that stops combustion. 	Site Plan Reference as labelled on Figure 3 in Schedule 1
Stormwater Collection system including soak wells, grates, drainage pipes, spoon drains, compensation basins, bunds and diversion channels	Stormwater collection and diversion system: <ul style="list-style-type: none"> • concrete bunds surrounding operational hardstand areas to convey stormwater to onsite drains; • drainage systems including stormwater sumps on the concrete apron external to the building to convey stormwater to the onsite compensation basin; and • offsite earthen compensation basin with estimated capacity of 512kL. 	Site Plan Reference as labelled on Figures 3, 4 and 5 in Schedule 1
Forklift	Forklifts: <ul style="list-style-type: none"> • to be fitted with designated broom attachments prior to use for premises sweeping purposes; and • fitted with broadband tonal reversing alarms or beepers. 	N/A

Site infrastructure and equipment	Operational requirement	Infrastructure location
Fire sprinkler system	Constructed in accordance with extra high hazard rating and in accordance with the standards <i>AS2118.1.2017</i> , <i>AS2941-2013</i> and <i>National Construction Code Series 2014 Building Code of Australia</i> (and/or as updated from time to time).	Site Plan Reference as labelled on Figure 1 in Schedule 1
Fire pump set systems	Constructed in accordance with <i>AS2941-2013</i> , <i>AS 2419.1.2017</i> and <i>National Construction Code of Australia</i> . Includes <ul style="list-style-type: none"> • 1 x hydrant/Sprinkler Booster - near booster pump shed Hydrant/Sprinkler Booster system (covers both hydrants and internal sprinklers); • 1 x hydrant Booster – on southern side of MRF building on island between roads; • 14 x hose reels Internal; and • 2 x hose reels in Bale Shed. 	Site Plan Reference as labelled on Figure 7a and Figure 7a in Schedule 1
Water tanks	Constructed in accordance with <i>AS2304:2019</i> and designed to meet extra high hazard installation requirements. That is, operate both hydrant and sprinkler system to deliver 3243 L/min at 238kPA 100% of duty for most advantaged location and 4107L/min at 489kPA 100% duty at most disadvantaged location. <p>Includes:</p> <ul style="list-style-type: none"> • 2 x Fire water tanks with capacity of in excess of 265,000 L each (total in excess of 530,000 L); and • Duty duration requirement is 90 minutes. 	Site Plan Reference as labelled on Figure 7a and Figure 7b in Schedule 1
Hydrants	Installed in accordance with <i>AS2419.1.2017</i> with a minimum flow of 1200 L/min. Includes: <ul style="list-style-type: none"> • 7 x Double outlet fire hydrants; • 1 x Hydrant/Sprinkler Booster - near booster pump shed; and • 1 x Hydrant Booster – on southern side of MRF building on island between roads. 	N/A

Site infrastructure and equipment	Operational requirement	Infrastructure location
Fire detection System (fire and smoke)	Constructed in accordance with <i>AS1670.1.2004</i> . Includes: <ul style="list-style-type: none"> fully automated fire alarm system with infra-red CCTV and triple spectrum optical fire detectors located at specified locations throughout the MRF- fitted with an alarm zone lock plan; detection systems connected to live monitored system; select conveyors fitted with firewire which melts upon heat detection and triggers the alarm; and multiple manual call points (activation points) around the facility. 	Site Plan Reference as labelled on Figure 8 in Schedule 1
Diesel pumps	2 x diesel pumps to support fire hydrant and sprinkler system to operate during times of mains power loss or during hydrant/sprinkler demand (i.e. during a fire event).	N/A
Designated fire evacuation muster point	In place with secondary locations available.	Site Plan Reference as labelled on Figure 6 in Schedule 1
Fire doors	Within the premise's buildings (built in accordance with <i>AS1905.1-2005</i>).	N/A
Server Control Cabinet	Includes: <ul style="list-style-type: none"> Operational control of each conveyor and sorting equipment within the MRF 	Site Plan Reference as labelled on Figure 3 in Schedule 1
Portable Fire extinguishers	Multiple portable fire extinguishers located throughout the premises (at each hydraulic motor/pump for example)	N/A

Monitoring

6. The licence holder must monitor and record the volumes of incoming and outgoing waste types at the premises for the inputs and outputs specified in Column 1, for the waste types specified in Column 2, and for the units and frequency stated in columns 3 and 4 of Table 4.

Table 4: Monitoring of inputs and outputs

Column 1	Column 2	Column 3	Column 4
Inputs / Outputs	Waste types	Units	Frequency
Waste inputs	Inert Waste Type 1 Inert Waste Type 2 Putrescible Wastes	Tonnes (combined total)	Each load arriving at the Premises

Waste outputs	Inert Waste Type 1 Inert Waste Type 2 Putrescible Wastes	Tonnes (combined total)	Each load leaving or rejected from the Premises.
	Non-conforming wastes	Tonnes	Each load leaving the Premises.

Fire Management

7. The license holder must:
 - (a) maintain a Fire and Emergency Management Plan in accordance with *AS3745-2010*, and include drainage plans, maps and relevant MSDS information;
 - (b) ensure that fire-fighting equipment and systems are in good working order and capable of controlling a loose material fire within the premises;
 - (c) ensure that fire-fighting water and other waste that may result from firefighting on the premises are captured and contained within the premises as much as is reasonably practical;
 - (d) ensure that any fire-fighting water is removed from the premises by a carrier licensed under the *Environmental Protection (Controlled Waste) Regulations 2004*;
 - (e) ensure that any overflow of fire fighting water that cannot be captured, contained or removed from the premises shall be diverted to stormwater retention basins within Part Lot 77 and Part Lot 78 on Plan2903 Bannister Road Canning Vale WA 6155, as shown in Schedule 1 of this Licence; and
 - (f) ensure that any fire on the premises is extinguished as soon as possible.
8. The licence holder must immediately notify the CEO of:
 - (a) any fire on the premises; and
 - (b) any accident, malfunction or emergency which could result in the discharge of fire-fighting washwater or other wastes from the Premises.

Records and reporting

9. The Licence Holder must maintain accurate and auditable books including the following records, information, reports and data required by this Licence:
 - (a) the calculation of fees payable in respect of this Licence;
 - (b) the maintenance of infrastructure required to ensure that it is kept in good working order in accordance with Condition 5 of this Licence;
 - (c) monitoring programs undertaken in accordance with Condition 6 of this Licence; and
 - (d) complaints received under Condition 10 of this Licence

In addition, the Books must:

- (e) be legible;
- (f) if amended, be amended in such a way that the original version(s) and any subsequent amendments remain legible and are capable of retrieval;
- (g) be retained by the licence holder for the duration of the licence; and
- (h) be available to be produced to an inspector or the CEO as required.

- 10.** 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:
- (a) the name and contact details of the complainant, (if provided);
 - (b) the time and date of the complaint;
 - (c) the complete details of the complaint and any other concerns or other issues raised; and
 - (d) the complete details and dates of any action taken by the licence holder to investigate or respond to any complaint.
- 11.** 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.

Definitions

In this licence, the terms in Table 5 have the meanings defined.

Table 5: 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 July until 30 June of the immediately following year.
AS1905.1:2005	means <i>Australian Standard 1905.1-2005 Components for the protection of openings in fire-resistant walls, Part 1: Fire-resistant doorsets</i> (and/or as updated from time to time).
AS3700:2001	means <i>Australian Standard 3700-2001 Masonry Structures</i> (and/or as updated from time to time).
AS2118.1:2017	means <i>Australian Standard 2118.1:2017 Automatic fire sprinkler systems, Part 1: General systems</i> (and/or as updated from time to time).
AS2941-2013	means <i>Australian Standard 2941-2013 Fixed fire protection installations - Pumpset systems</i> (and/or as updated from time to time).
AS2304:2019	means <i>Australian Standard 2304:2019 Water storage tanks for fire protection systems</i> (and/or as updated from time to time).
AS2419.1:2017	means <i>Australian Standard 2419.1:2017 Fire hydrant installations, Part 1: System design, installation and commissioning</i> (and/or as updated from time to time).
AS1670.1.2004	means <i>Australian Standard 1670.1:2018 Fire detection, warning, control and intercom systems - System design, installation and commissioning, Part 1: Fire</i> (and/or as updated from time to time).
AS3745-2010	means <i>Australian Standard 3745-2010 Planning for emergencies in facilities</i> (and/or as updated from time to time).
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

Term	Definition
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.
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 and Emergency Management Plan	means a site-specific plan developed and maintained that documents the organisational arrangements, systems, strategies and procedures relating to the response and management of emergency situations. The Plan is subject to periodic review and regular updates to maintain currency and is developed in accordance with AS3745-2010.
fire-fighting 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 foams.
licence	refers to this document, which evidences the grant of a licence by 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.
MSDS	means Material Safety Data Sheets that document the physical chemical and biological properties of potentially hazardous and dangerous products, chemicals and substances and that detail how to use the product safely including use, storage, handling and emergency procedures.
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 Figure 1 in Schedule 1 to this licence.
prescribed premises	has the same meaning given to that term under the EP Act.
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 in red the map below (Figure 1Figure).



Figure 1: Map of the boundary of the prescribed premises

Source: SMRC Licence Application art of Attachment Figure 1 amended (DWER Document Reference: DWERDT259493)



Figure 2: Map of the boundary of the two SMRC premises highlighted in a red contiguous line across Lots 77, 78 and 85 on Deposited Plan 2903

Source: SMRC Licence Application art of Attachment 2 & 7 (DWER Document Reference: A1924889)

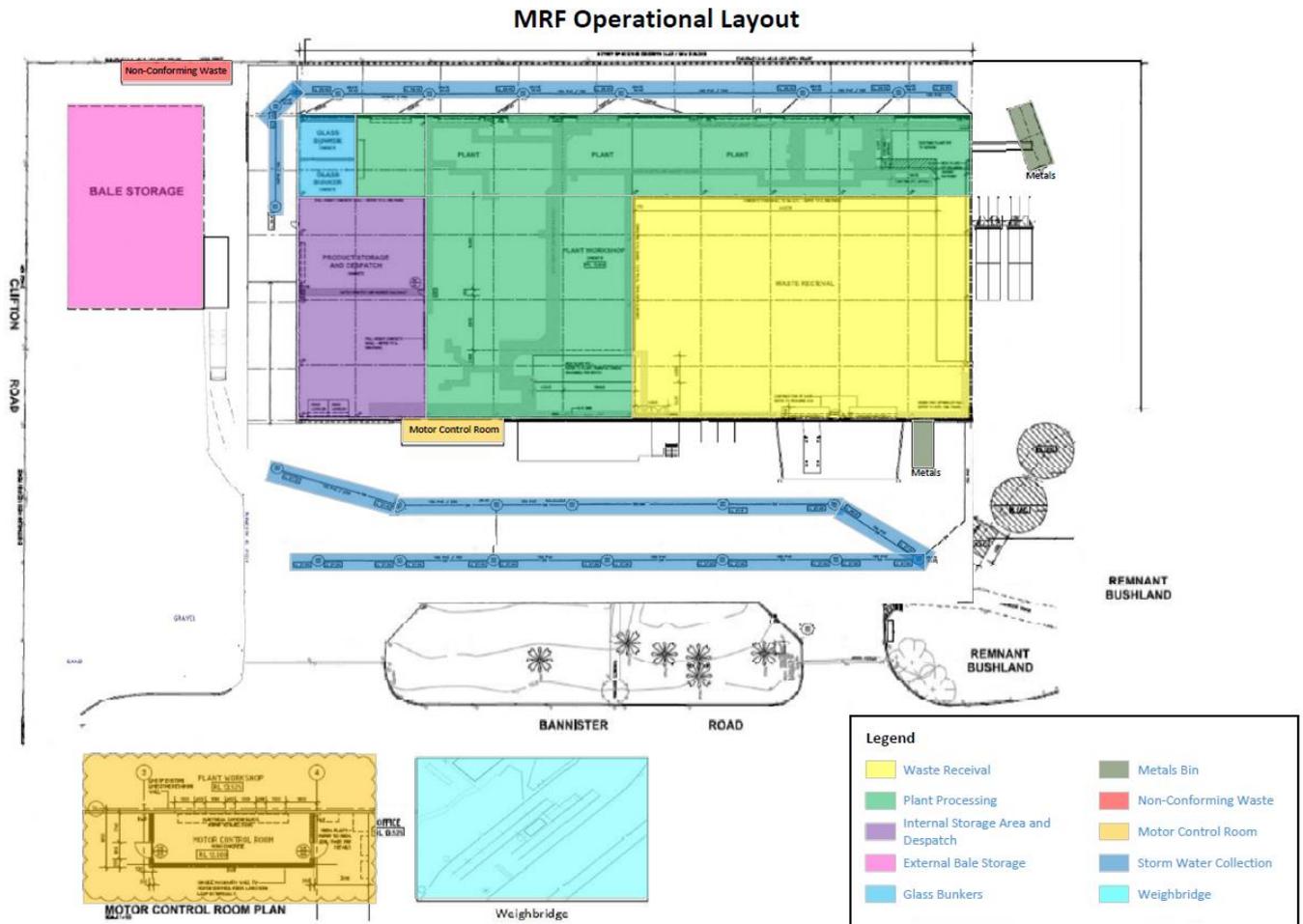


Figure 3: Map of the boundary of the prescribed premises

Source: SMRC Licence Application email (DWER Document Reference: A1887893).



Figure 4: Map showing stormwater and fire water soak wells (blue dots) and adjacent off site collection basins

Source: Southern Metropolitan Regional Council Regional Baseline Environmental Site Assessment (Coffey, 2019) (DWER Document Reference: A1878864)

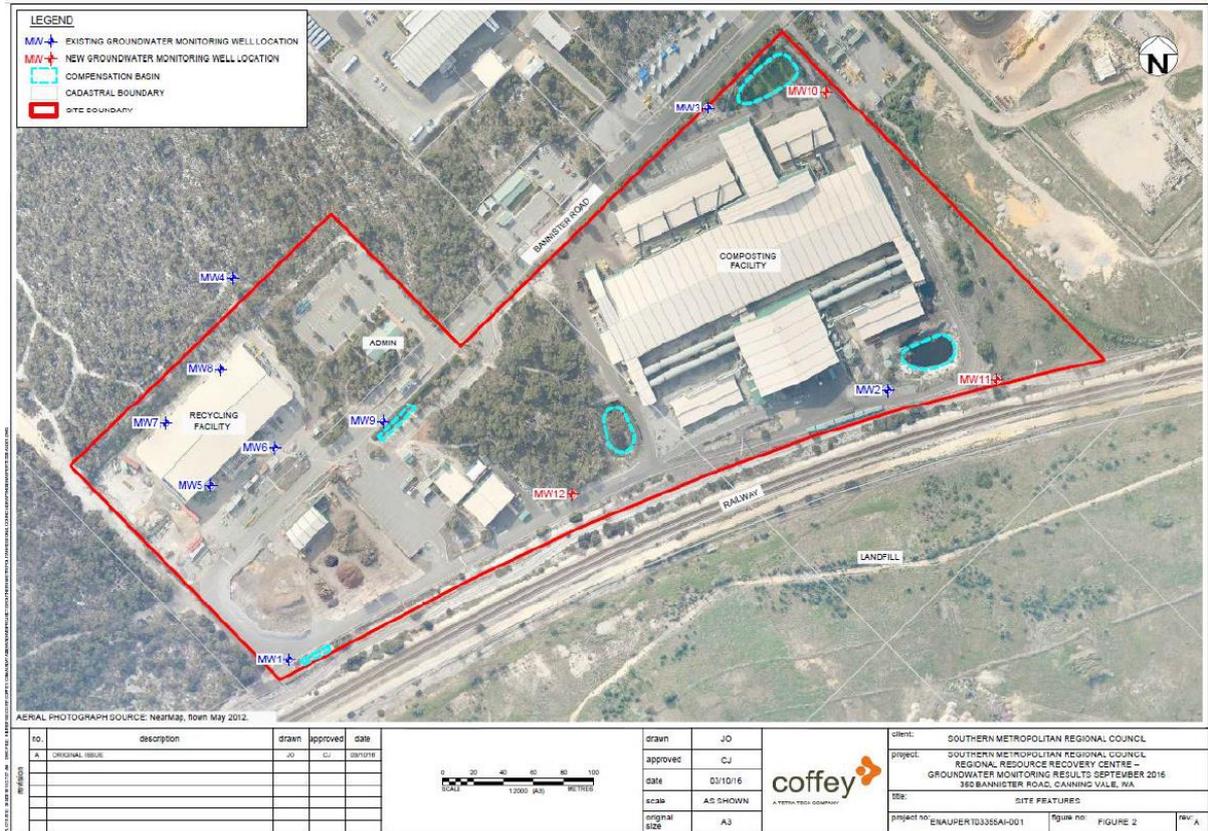


Figure 5: Map showing the stormwater retention basins within Part Lot 77 and Part Lot 78 on Plan 2903 Bannister Road Canning Vale WA 6155

Source: SMRC Licence Application Part of Attachment Figure 4 (DWER Document Reference: DWERDT259493)

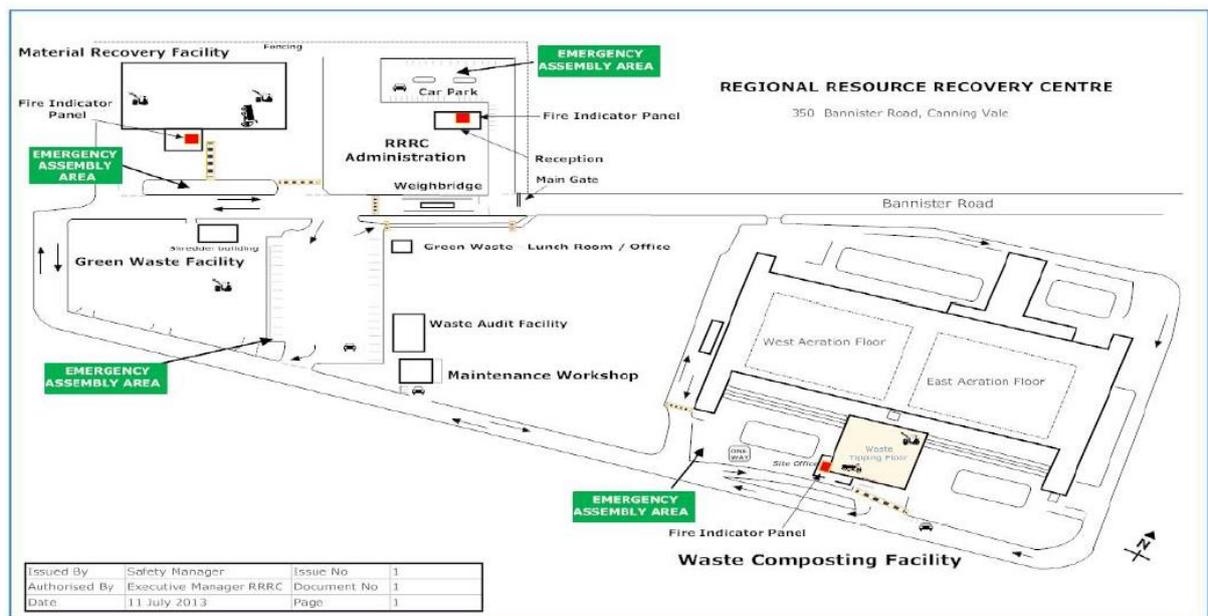


Figure 6: SMRC emergency evacuation muster points shown in green

Source: Southern Metropolitan Regional Council Regional Resource Recovery Centre Fire & Emergency Response Plan December 2019 (DWER Document Reference: A1902661).

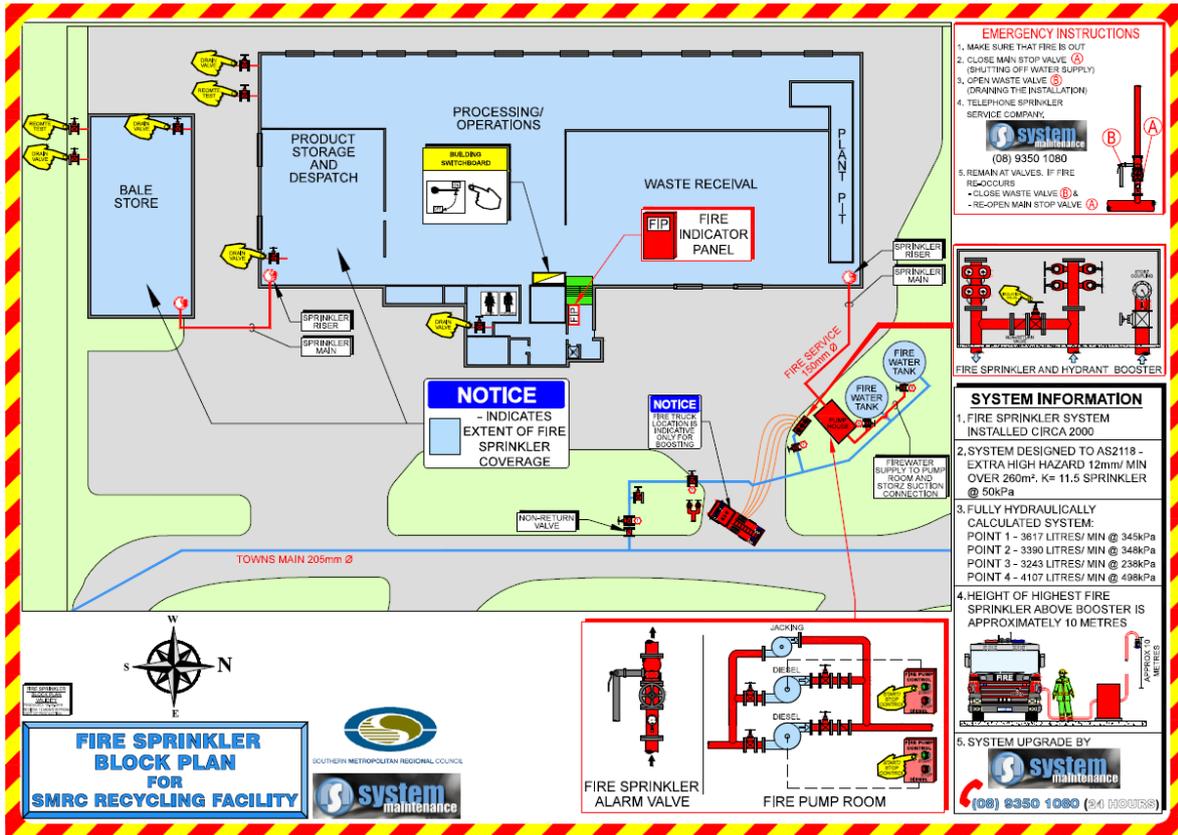


Figure 7a: SMRC Recycling Plant Fire Sprinkler System

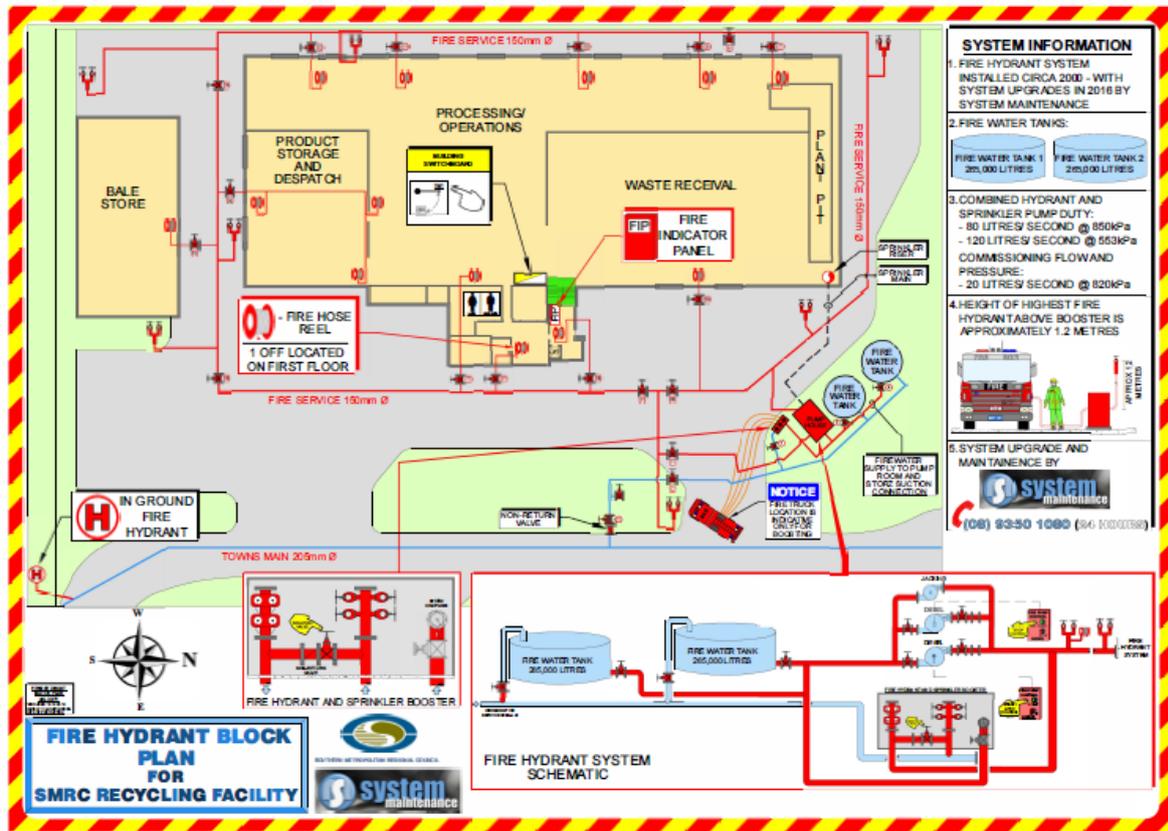


Figure 7b: SMRC Recycling Plant Fire Hydrant System

Source: SMRC Licence Application Part of Attachment 8 (DWER Document Reference: A1880727)

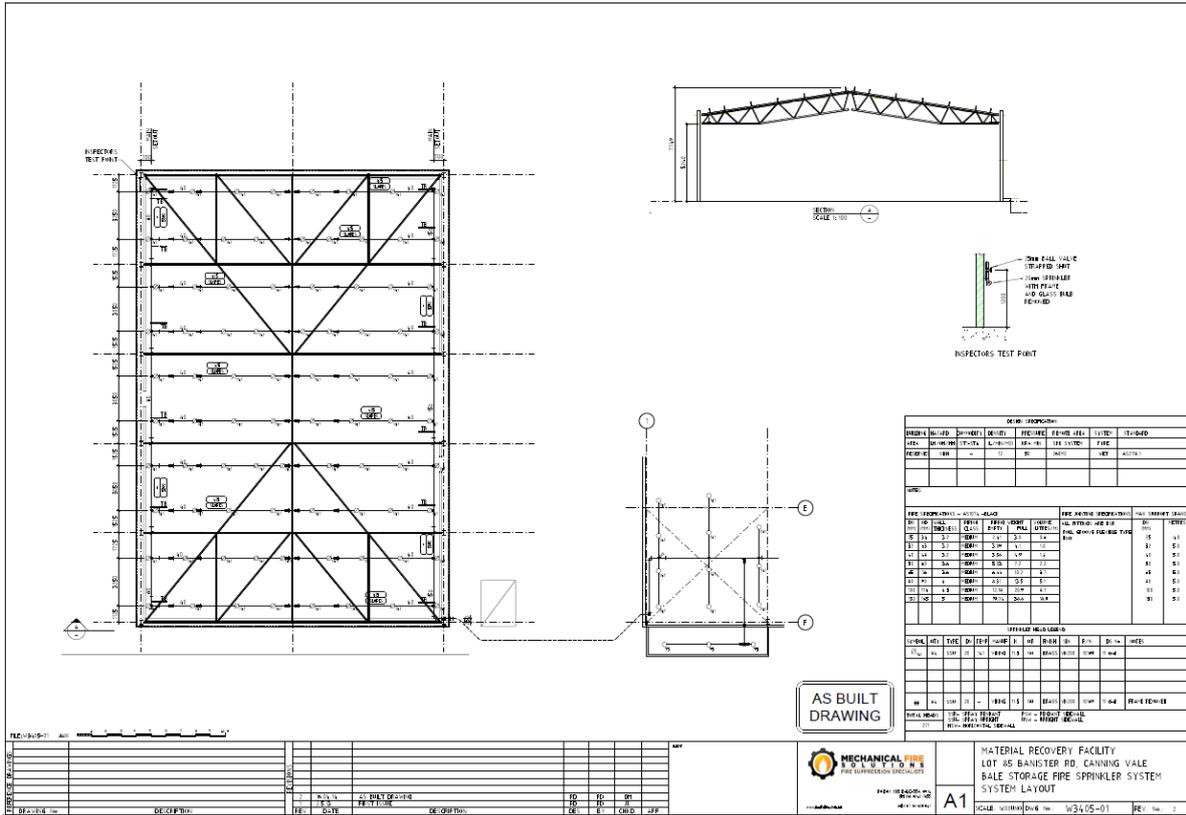


Figure 8: SMRC MRF bale storage shed Fire detection system

Source: SMRC Licence Application (DWER Document Reference: A1880729)

Schedule 2: Premises boundary

The premises boundary is defined by the coordinates in Table 6.

Table 6: Premises boundary coordinates

Latitude	Longitude
32.075471	115.887302
32.076254	115.887796
32.077093	115.886804
32.076475	115.886100