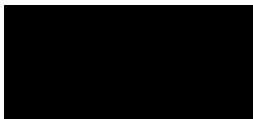




<b>Licence Number</b>	L8688/2012/1
<b>Licence Holder</b>	Hamersley HMS Pty Ltd (ACN 115 004 129)
<b>Registered business address</b>	Level 18, Central Park 152-158 St Georges Terrace PERTH WA 6000
<b>Duration</b>	6/12/2012 to 9/12/2028
<b>Prescribed Premises</b>	Category 5: Processing or beneficiation of metallic or non-metallic ore Category 6: Mine dewatering Category 12: Screening etc. of material Category 54: Sewage facility Category 64: Class II putrescible landfill site
<b>Premises</b>	Hope Downs 4 Mine Part of AM70/282, L47/399, and Part of L47/702 within coordinates in Schedule 1.

This Licence is granted to the Licence Holder, subject to the following conditions, on 10-04-2019, by:



A/Manager, Licensing (Resource Industries)  
Regulatory Services

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

## Explanatory Notes

These explanatory notes do not form part of this Licence.

### Defined terms

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Definition of terms used in this Licence can be found at the start of this Licence. Terms which are defined have the first letter of each word capitalised throughout this Licence.

### Department of Water and Environmental Regulation

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The Department of Water and Environmental Regulation (DWER) is established under section 35 of the *Public Sector Management Act 1994* and designated as responsible for the administration of Part V, Division 3 of the *Environmental Protection Act 1986* (WA) (EP Act). The Department also monitors and audits compliance with licences, takes enforcement action and develops and implements licensing and industry regulation policy.

### Licence

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Section 56 of the EP Act provides that an occupier of Prescribed Premises commits an offence if Emissions are caused or increased, or permitted to be caused or increased, or Waste, noise, odour or electromagnetic radiation is altered, or permitted to be altered, from Prescribed Premises, except in accordance with a works approval or licence.

Categories of Prescribed Premises are defined in Schedule 1 of the *Environment Protection Regulations 1987* (WA) (EP Regulations).

This Licence does not authorise any activity which may be a breach of the requirements of another statutory authority including, but not limited to the following:

- conditions imposed by the Minister for Environment under Part IV of the EP Act;
- conditions imposed by DWER for the clearing of native vegetation under Part V, Division 2 of the EP Act;
- any requirements under the *Waste Avoidance and Resource Recovery Act 2007*;
- any requirements under the *Environmental Protection (Controlled Waste) Regulations 2004*; and
- any other requirements specified through State legislation.

It is the responsibility of the Licence Holder to ensure that any action or activity referred to in this Licence is permitted by, and is carried out in compliance with, other statutory requirements.

The Licence Holder must comply with the Licence. Contravening a Licence Condition is an offence under s.58 of the EP Act.

### Responsibilities of a Licence Holder

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Separate to the requirements of this Licence, general obligations of Licence Holders are set out in the EP Act and the regulations made under the EP Act. For example, the Licence Holder must comply with the following provisions of the EP Act:

- the duties of an occupier under section 61; and
- restrictions on making certain changes to Prescribed Premises unless the changes are in accordance with a works approval, Licence, closure notice or environmental protection notice (s.53).

Strict penalties apply for offences under the EP Act.

## Reporting of incidents

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The Licence Holder has a duty to report to DWER all discharges of waste that have caused or are likely to cause Pollution, Material Environmental Harm or Serious Environmental Harm, in accordance with s.72 of the EP Act.

## Offences and defences

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The EP Act and its regulations set out a number of offences, including:

- Offence of emitting an Unreasonable Emission from any Premises under s.49.
- Offence of causing Pollution under s.49.
- Offence of dumping Waste under s.49A.
- Offence of discharging Waste in circumstances likely to cause Pollution under s.50.
- Offence of causing Serious Environmental Harm (s.50A) or Material Environmental Harm (s.50B).
- Offence of causing Emissions which do not comply with prescribed standards (s.51).
- Offences relating to Emissions or Discharges under regulations prescribed under the EP Act, including materials discharged under the *Environmental Protection (Unauthorised Discharges) Regulations 2004 (WA)*.
- Offences relating to noise under the *Environmental Protection (Noise) Regulations 1997 (WA)*.

Section 53 of the EP Act provides that a Licence Holder commits an offence if Emissions are caused, or altered from a Prescribed Premises unless done in accordance with a Works Approval, Licence or the requirements of a Closure Notice or an Environmental Protection Notice.

Defences to certain offences may be available to a Licence Holder and these are set out in the EP Act. Section 74A(b)(iv) provides that it is a defence to an offence for causing Pollution, in respect of an Emission, or for causing Serious Environmental Harm or Material Environmental Harm, or for discharging or abandoning Waste in water to which the public has access, if the Licence Holder can prove that an Emission or Discharge occurred in accordance with a Licence.

This Licence specifies the Emissions and Discharges, and the limits and Conditions which must be satisfied in respect of Specified Emissions and Discharges, in order for the defence to offence provision to be available.

## Authorised Emissions and Discharges

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The Specified and General Emissions and Discharges from Primary Activities conducted on the Prescribed Premises are authorised to be conducted in accordance with the Conditions of this Licence.

Emissions and Discharges caused from other activities not related to the Primary Activities at the Premises have not been Conditioned in this Licence. Emissions and Discharges from other activities at the Premises are subject to the general provisions of the EP Act.

## Amendment of licence

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The Licence Holder can apply to amend the Conditions of this Licence under s.59 of the EP Act. An application form for this purpose is available from DWER.

The CEO may also amend the Conditions of this Licence at any time on the initiative of the CEO without an application being made.

Amendment Notices constitute written notice of the amendment in accordance with s.59B(9) of the EP Act.

## Duration of Licence

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The Licence will remain in force for the duration set out on the first page of this Licence or until it is surrendered, suspended or revoked in accordance with s.59A of the EP Act.

#### Suspension or revocation

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The CEO may suspend or revoke this Licence in accordance with s.59A of the EP Act.

#### Fees

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The Licence Holder must pay an annual licence fee. Late payment of annual licence fees may result in the licence ceasing to have effect.

# Definitions and Interpretation

## Definitions

In this Licence, the terms in Table 1 have the meanings defined.

**Table 1: Definitions**

Term	Definition
ACN	Australian Company Number
Amendment Notice	means an amendment granted under s.59 of the EP Act in accordance with the procedure set out in s.59B of the EP Act.
Annual Period	means a 12 month period commencing from 1 January until 31 December in the same year.
ANZECC Guidelines	refers to the Australian and New Zealand Guidelines for Fresh and Marine Water Quality (as amended from time to time).
Approved Policy	has the same meaning given to that term under the EP Act
ARI	Annual Recurrence Interval
AS 5667.10.1998	means the Australian Standard AS5667.10:1998 <i>Water quality - Sampling - Guidance on sampling of wastewaters</i> .
Books	has the same meaning given to that term under the EP Act.
CEO	means Chief Executive Officer. CEO for the purposes of notification means: Director General Department Administering the <i>Environmental Protection Act 1986</i> Locked Bag 33 Cloisters Square PERTH WA 6850 <a href="mailto:info@dwer.wa.gov.au">info@dwer.wa.gov.au</a>
Compliance Report	means a report in a format approved by the CEO as presented by the Licence Holder or as specified by the CEO (guidelines and templates may be available on the Department's website).
Condition	means a condition to which this Licence is subject under s.62 of the EP Act.
Continuous	means a data recovery rate of at least 90%.
Department	means the department established under section 35 of the <i>Public Sector Management Act 1994</i> and designated as responsible for the administration of Part V, Division 3 of the EP Act.
Department Request	means a request for Books or other sources of information to be produced, made by an Inspector or the CEO to the Licence Holder in writing and sent to the Licence Holder's address for notifications, as described at the front of this Licence, in relation to: <ul style="list-style-type: none"> <li>(a) compliance with the EP Act or this Licence;</li> <li>(b) the Books or other sources of information maintained in accordance with this Licence; or</li> <li>(c) the Books or other sources of information relating to</li> </ul>

	Emissions from the Premises.
Discharge	has the same meaning given to that term under the EP Act.
DSP WFSF	means Desertplains Satellite Pit waste fines storage facility, depicted in Figure 1 as DSP WFSF.
DWER	Department of Water and Environmental Regulation.
Emission	has the same meaning given to that term under the EP Act.
Environmental Harm	has the same meaning given to that term under the EP Act.
EP Act	means the <i>Environmental Protection Act 1986</i> (WA).
EP Regulations	means the <i>Environmental Protection Regulations 1987</i> (WA).
GL/year	means gigalitres per year.
HDPE	means high density polyethylene.
Implementation Agreement or Decision	has the same meaning given to that term under the EP Act.
Inspector	means an inspector appointed by the CEO in accordance with s.88 of the EP Act.
kg/ha/year	means kilograms per hectare per year.
Landfill Definitions	means the document titled "Landfill Waste Classification and Waste Definitions 1996" published by the Chief Executive Officer of the Department of Environment and Conservation as amended from time to time.
Licence	refers to this document, which evidences the grant of a Licence by the CEO under s.57 of the EP Act, subject to the Conditions.
Licence Holder	refers to the occupier of the premises being the person to whom this Licence has been granted, as specified at the front of this Licence.
Material Environmental Harm	has the same meaning given to that term under the EP Act.
mbgl	metres below ground level
Pollution	has the same meaning given to that term under the EP Act.
Premises	refers to the premises to which this Licence applies, as specified at the front of this Licence and as shown on the 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 activities listed on the front of this Licence as described in Schedule 2, at the locations shown in Schedule 1.

Quarterly	refers to the four inclusive periods from 1 July to 30 September, 1 October to 31 December, 1 January to 31 March and 1 April to 30 June.
Serious Environmental Harm	has the same meaning given to that term under the EP Act.
Specified Emission	has the meaning set out in Condition 1 of this Licence.
STP	means Sewage Treatment Plant.
Unreasonable Emission	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.
WFSF	means Waste Fines Storage Facility, depicted in Figure 1 as WFSF.
µS/cm	micro Siemens per centimetre

## Interpretation

In this Licence:

- (a) the words 'including', 'includes' and 'include' will be read as if followed by the words 'without limitation';
- (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 means the version of the standard, guideline or code of practice in force at the time of granting of this Licence and includes any amendments to the standard, guideline or code of practice which may occur from time to time during the course of the Licence; and
- (e) unless specified otherwise, any reference to a section of an Act refers to that section of the EP Act.

# Conditions

## Emissions

1. The Licence Holder must not cause any Emissions from the Primary Activities on the Premises except for Specified Emissions and General Emissions described in column 1, subject to the exclusions, limitations or requirements specified in Column 2, of Table 2.

If the Licence Holder proves that it has acted in accordance with this Condition, it may be a defence under s 74A of the EP Act to proceedings for offences under the EP Act.

**Table 2: Authorised emissions table**

Column 1	Column 2
<i>Emission type</i>	<i>Exclusions/limitations/requirements</i>
<b><i>Specified emissions</i></b>	
Waste fines Discharges to the WFSF and DSP WFSF	Subject to compliance with Conditions 2 to 8 inclusive.
Discharges of treated effluent to irrigation sprayfields	Subject to compliance with Conditions 2 and 9 to 12 inclusive.
Disposal of Waste to landfill	Subject to compliance with Condition 13.
Discharge of dewatering water	All surplus dewater must only be discharged from infrastructure at Kalgan Creek Dewatering Discharge Point, depicted in Figure 1, Schedule 1.
<b><i>General emissions (excluding specified emissions)</i></b>	
Emissions which arise from the Primary Activities set out in Schedule 2	<p>Emissions excluded from General Emissions are:</p> <ul style="list-style-type: none"> <li>• Unreasonable Emissions; or</li> <li>• Emissions that result in, or are likely to result in, Pollution, Material Environmental Harm or Serious Environmental Harm; or</li> <li>• Discharges of Waste in circumstances likely to cause Pollution; or</li> <li>• Emissions that result, or are likely to result in, the Discharge or abandonment of Waste in water to which the public has access; or</li> <li>• Emissions or Discharges which do not comply with an Approved Policy; or</li> </ul>



Column 1	Column 2
<i>Emission type</i>	<b>Exclusions/limitations/requirements</b>
<i>Specified emissions</i>	
	<ul style="list-style-type: none"> <li>Emissions or Discharges which do not comply with a prescribed standard; or</li> <li>Emissions or Discharges which do not comply with the conditions in an Implementation Agreement or Decision; or</li> <li>Emissions or Discharges the subject of offences under regulations prescribed under the EP Act, including materials discharged under the <i>Environmental Protection (Unauthorised Discharges) Regulations 2004</i>.</li> </ul>

## Infrastructure and Equipment

### Maintenance and Operation requirements

2. The Licence Holder must ensure that the infrastructure and equipment specified in Column 1 and Column 2 of Table 3 is maintained and operated in accordance with the requirements specified in Column 3 of Table 3.

**Table 3: Infrastructure and equipment operational requirements**

Column 1	Column 2	Column 3
Site infrastructure	Description	Operational requirements
STP Sludge Drying Beds	Sewage Treatment Plant sludge.	<p>Sludge drying beds must have a hydraulic conductivity of equal to, or less than, <math>1 \times 10^{-9}</math> metres per second and have inbuilt drainage that prevents discharges beyond the drying beds.</p> <p>The Licence Holder must remove and dispose of all biosolids and solid residues from STP1 and STP2 to a local off-site landfill for final disposal.</p>
STP Overflow Pond	Emergency storage pond for wastewater that has overflowed from the STP.	<p>The Licence Holder must not allow the pond to overtop and discharge effluent into the environment.</p> <p>The Licence Holder must return wastewater contained in the pond to the treatment tanks immediately when capacity becomes available.</p>
Irrigation Sprayfield	STP wastewater discharge area.	Heavy duty impact sprinklers must be operated to maintain flow pressure and distribution across the irrigation sprayfield to prevent pooling.
WFSF and DSP WFSF	Discharge of tailings to a waste fines storage	The Licence Holder must ensure that there is no overflow of tailings or supernatant water from the WFSF or DSP WFSF unless under a 100 year

Column 1	Column 2	Column 3
Site infrastructure	Description	Operational requirements
	facility.	ARI 72 hour event.
DSP WFSF tailings and return water pipelines	DSP WFSF tailings and return water pipelines	Two emergency containment ponds located at the lowest elevation along the waste fines delivery pipeline for the purposes of containing spillage caused by pipeline rupture or leaking valves/flanges.  All pipeline infrastructure must also meet the requirements of Condition 7.

## Waste fines discharge

3. All Waste fines generated at the Premises as a result of ore processing must be Discharged into and contained by the WFSF or DSP WFSF shown in Schedule 1, Figure 1.
4. The Licence Holder must undertake monitoring of groundwater in the vicinity of the approved waste fines facilities:
  - (a) at the location specified in Column 2 of Table 4 (and shown in Figure 2);
  - (b) for the parameters specified in Column 3 of Table 4; and
  - (c) at least as frequent as the minimum frequencies specified in Column 4 of Table 4

**Table 4: Waste fines storage facility groundwater monitoring**

Column 1	Column 2	Column 3	Column 4
Premises infrastructure	Monitoring Site As depicted in Figure 4	Parameter (units)	Minimum Frequency
WFSF	MB13EA0001 MB13EA0002 MB13EA0006 MB13EA0004 MB15HD4036 RC14EA1026 MB12HD4007 MB12HD4005 MB12HD4009 EBORE1	Standing water level (mbgl) <sup>1</sup>	Quarterly
	RC14EA1026 MB12HD4007 MB12HD4005 MB12HD4009 EBORE1 MB13EA0001 MB13EA0002 MB13EA0006 MB13EA0004 MB15HD4036	Electrical Conductivity (µS/cm) <sup>1</sup> pH (pH units) <sup>1</sup> Oxygen Dissolved (mg/L) <sup>1</sup> Oxygen Dissolved (%) <sup>1</sup> N NO <sub>x</sub> Nitrogen (mg/L) Nitrogen Total (mg/L) N Ammonium NH <sub>4</sub> -N (mg/L), TDS (mg/L), NO <sub>3</sub> (mg/L)  <u>Major Ions (mg/L):</u> Na, K, Ca, Cl, F, Mg, SO <sub>4</sub> , Alkalinity CaCO <sub>3</sub> (mg/L)  <u>Metals/metalloids (mg/L):</u> Al, As, Ba, B, Cu, Fe, Mn, As, Cd, Cr, Pb, Hg, Ni, Co, Se, Mo, Sb, Si, Sn	Six-monthly
DSP WFSF	MB14HD4022 MB14HD4023 RC10EA236	Standing water level (mbgl) <sup>1</sup>	Quarterly
	WB10HD4001 MB14HD4022 MB14HD4023 WB14HD4012 RC10EA236 WB11HD4003	Electrical Conductivity (µS/cm) <sup>1</sup> pH (pH units) <sup>1</sup> Oxygen Dissolved (mg/L) <sup>1</sup> Oxygen Dissolved (%) <sup>1</sup> N NO <sub>x</sub> Nitrogen (mg/L) Nitrogen Total (mg/L) N Ammonium NH <sub>4</sub> -N (mg/L) TDS (mg/L) NO <sub>3</sub> (mg/L)  <u>Major Ions (mg/L):</u> Na, K, Ca, Cl, F, Mg, SO <sub>4</sub> , Alkalinity CaCO <sub>3</sub> (mg/L)  <u>Metals/metalloids (mg/L):</u> Al, As, Ba, B, Cu, Fe, Mn, As, Cd, Cr, Pb, Hg, Ni, Co, Se, Mo, Zn, U	Six-monthly

Note 1: In-field non NATA analysis permitted

5. The Licence Holder must submit monitoring data required by Condition 4 as part of

the Compliance Report. The results to be provided to the CEO must include, but need not be limited to the following:

- (a) sampling or measurement dates for each location specified in Column 2 of Table 4;
  - (b) the raw monitoring data from each location specified in Column 2 of Table 4, for each parameter specified in Column 3 of Table 4 in tabulated form;
  - (c) the monitoring results for the period specified in Column 4 of Table 4; and
  - (d) an assessment and comparison against ANZECC Guidelines and background water quality data.
6. The Licence Holder must ensure that supernatant water does not come in contact with WFSF embankment walls unless under a 100 year ARI 72 hour event.
7. The Licence Holder must ensure that all pipelines containing tailings or return water are either:
- (a) equipped with telemetry systems, pressure sensors along pipelines to allow for the detection of leaks and failures, and remotely controlled cut-outs in the event of a pipe failure; or
  - (b) visually inspected at least once every 24 hours at a compliance rate of equal to, or greater than 90% of daily inspections per month to allow for operational or weather constraints; or
  - (c) provided with secondary containment sufficient to contain any spill for a period equal to the time between routine inspections.
8. The Licence Holder must submit to the CEO as part of the Compliance Report required by Condition 16, the reason for missed inspections.

### **Treated wastewater irrigation**

9. The Licence Holder must ensure that all irrigated sewage effluent is discharged into the irrigation areas specified in Column 1 of Table 5.
10. The Licence Holder must ensure that effluent discharged to the locations specified in Column 1 of Table 5, does not exceed the limits specified in Column 3 of Table 5.
11. The Licence Holder must undertake monitoring of treated wastewater discharged to the specified irrigation areas:
- (a) at the locations specified in Column 1,
  - (b) for the parameters specified in Column 2,
  - (c) at the averaging periods specified in Column 4,
  - (d) at the frequencies specified in Column 5, and
  - (e) in accordance with the method specified in Column 6,
- in Table 5.

**Table 5: Monitoring of treated wastewater**

Column 1	Column 2	Column 3	Column 4	Column 5	Column 6
Location	Parameter	Limit	Averaging Period	Minimum Frequency	Method
Irrigation Field depicted in Schedule 1	pH	N/A	Annual	Quarterly	AS 5667.10.199 8
	Biochemical Oxygen Demand (mg/L)	N/A			
	Total Suspended Solids (mg/L)	N/A			
	Total Phosphorus (mg/L)	120 kg/ha/year			
	Total Nitrogen (mg/L)	480 kg/ha/year			
	Volume (m <sup>3</sup> )	372m <sup>3</sup> /day (cumulative total for STP1 and STP2)	24 hours	Continuous	Flow metering device

12. The Licence Holder must submit to the CEO as part of the Compliance Report required by Condition 16, the results of the monitoring required by Condition 10 for the preceding Annual Period. The results to be provided to the CEO must include, but need not be limited to the following:
- (a) Quarterly sampling or measurement dates for each location specified in Column 1 of Table 5;
  - (b) the raw monitoring data from Quarterly monitoring of each location specified in Column 1 of Table 5, for each parameter specified in Column 2 of Table 5 in tabulated form; and
  - (c) the average of the Quarterly monitoring results calculated for the period specified in Column 4 of Table 5 compared against the limits specified in Table 5.

## Waste disposal restrictions

13. The Licence Holder must only dispose of the Waste types:
- (a) of the type specified in Column 1 of Table 6;
  - (b) at the acceptance locations on the Premises specified in Column 2, in Table 6.

**Table 6: Waste acceptance requirements**

Column 1	Column 2
Waste type <sup>1</sup>	Locations
Inert Waste Type 1	Waste Dump Landfill As depicted in Schedule 1, Figure 1.
Inert Waste Type 2	
Wooden pallets (Putrescible Waste)	

<sup>1</sup> As defined by the *Landfill Waste Classification and Waste Definitions (As amended December 2018)*.

## Information

14. The Licence Holder must maintain accurate and auditable records in relation to:
  - (a) the calculation of fees payable in respect of this Licence;
  - (b) monitoring and maintenance of infrastructure specified in Condition 2 of this Licence;
  - (c) monitoring conducted in accordance with Condition 4 of this Licence;
  - (d) pipeline inspection schedule logs in accordance with Condition 7 and 8;
  - (e) monitoring and testing undertaken in accordance with Condition 11 of this Licence;
  - (f) records of Waste types and volumes disposed at landfills in accordance with Condition 13 of this Licence; and
  - (g) complaints received under Condition 15 of this Licence.
15. The Licence Holder must record the number and details of any complaints received by the Licence Holder relating to activities on the Premises and the Licence Holder's obligations under this Licence and Part V of the EP Act for the Premises, and any action taken by the Licence Holder in response to the complaint. Details of complaints must include:
  - (a) an accurate record of the concerns or issues raised, for example a copy of any written complaint or a written note of any verbal complaints made;
  - (b) the name and contact details of the complainant, if provided by the complainant;
  - (c) the date of the complaint; and
  - (d) the details and dates of the actions taken by the Licence Holder in response to the complaints.
16. The Licence Holder must submit to the CEO by 30 April each year, a Compliance Report indicating the extent to which the Licence Holder has complied with the Conditions in this Licence for the Annual Period.
17. The Licence Holder must comply with a Department Request, within 14 days from the date of the Department Request or such other period as agreed to by the Inspector or the CEO.

# Schedule 1: Coordinates and Maps

## Premises Coordinates

**Table 7: Premises coordinates**

<b>Easting</b>	<b>Northing</b>	<b>Easting (cont.)</b>	<b>Northing (cont.)</b>	<b>Easting (cont.)</b>	<b>Northing (cont.)</b>
767639	7439505	773468	7432680	776255	7435042
763614	7441301	773998	7433868	774452	7434685
762573	7438964	766598	7437170	774195	7435132
756815	7441528	766691	7437378	773361	7435747
754605	7436489	766734	7437366	771846	7436575
756696	7435572	767737	7437091	771061	7436623
756129	7434890	768002	7437119	767903	7437469
755887	7434121	768812	7436913	766992	7438055
755874	7433883	771134	7436326	767022	7438122
752446	7434226	771759	7436430	767639	7439505
752008	7430246	773061	7435673		
751793	7428290	773154	7435433		
757203	7427697	773322	7435188		
762194	7427149	773515	7435024		
762613	7431129	773839	7434928		
759628	7431443	774314	7434430		
759842	7433484	775882	7434573		
757151	7433754	776235	7434778		
757272	7435319	777533	7433807		
757272	7435319	778151	7433054		
760504	7433901	778854	7433265		
761787	7436822	778188	7433877		
768506	7433836	777693	7433967		
768900	7434719	776758	7434793		



## Premises Map

The Premises is shown in the map below. The yellow line depicts the boundary to the Premises.

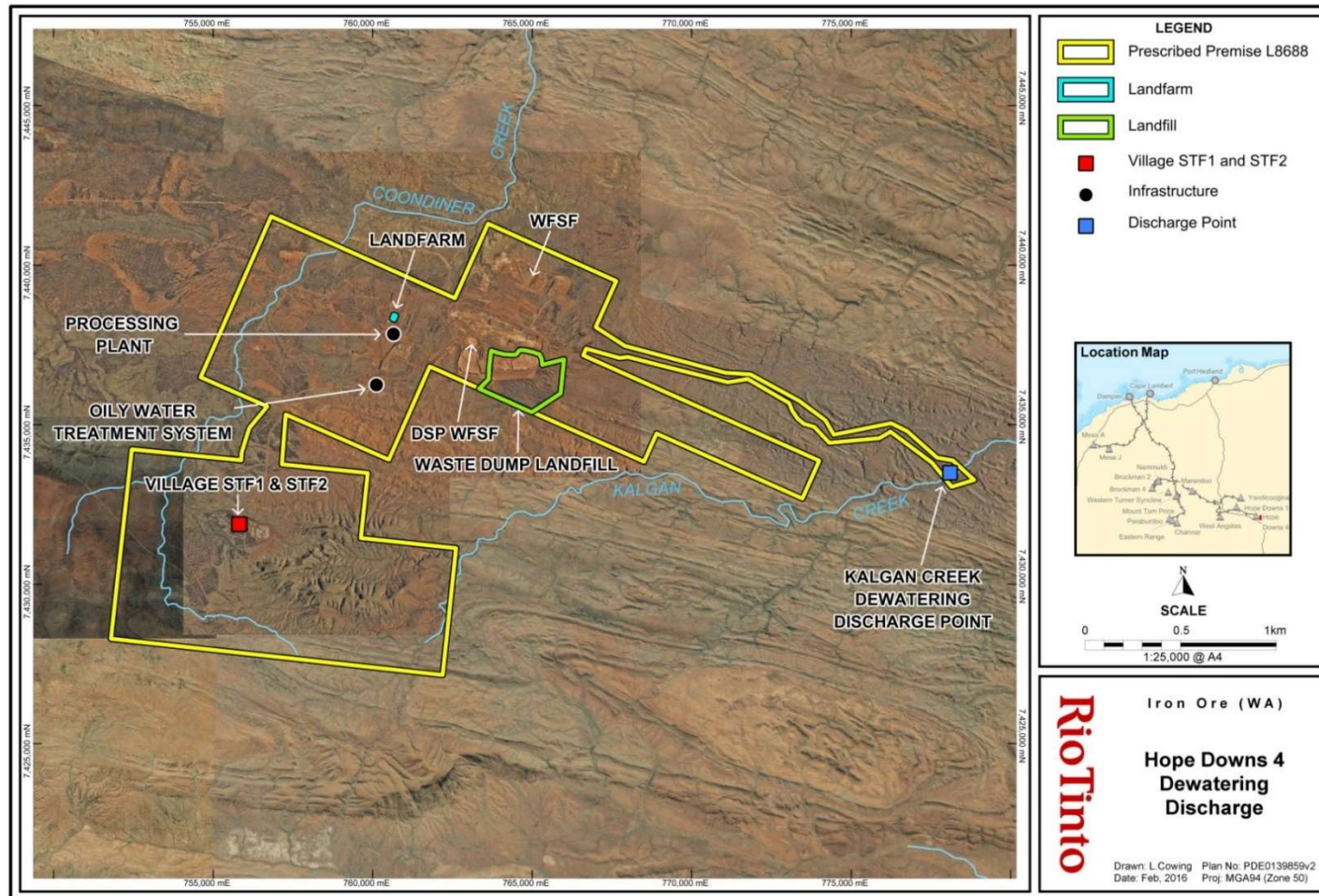
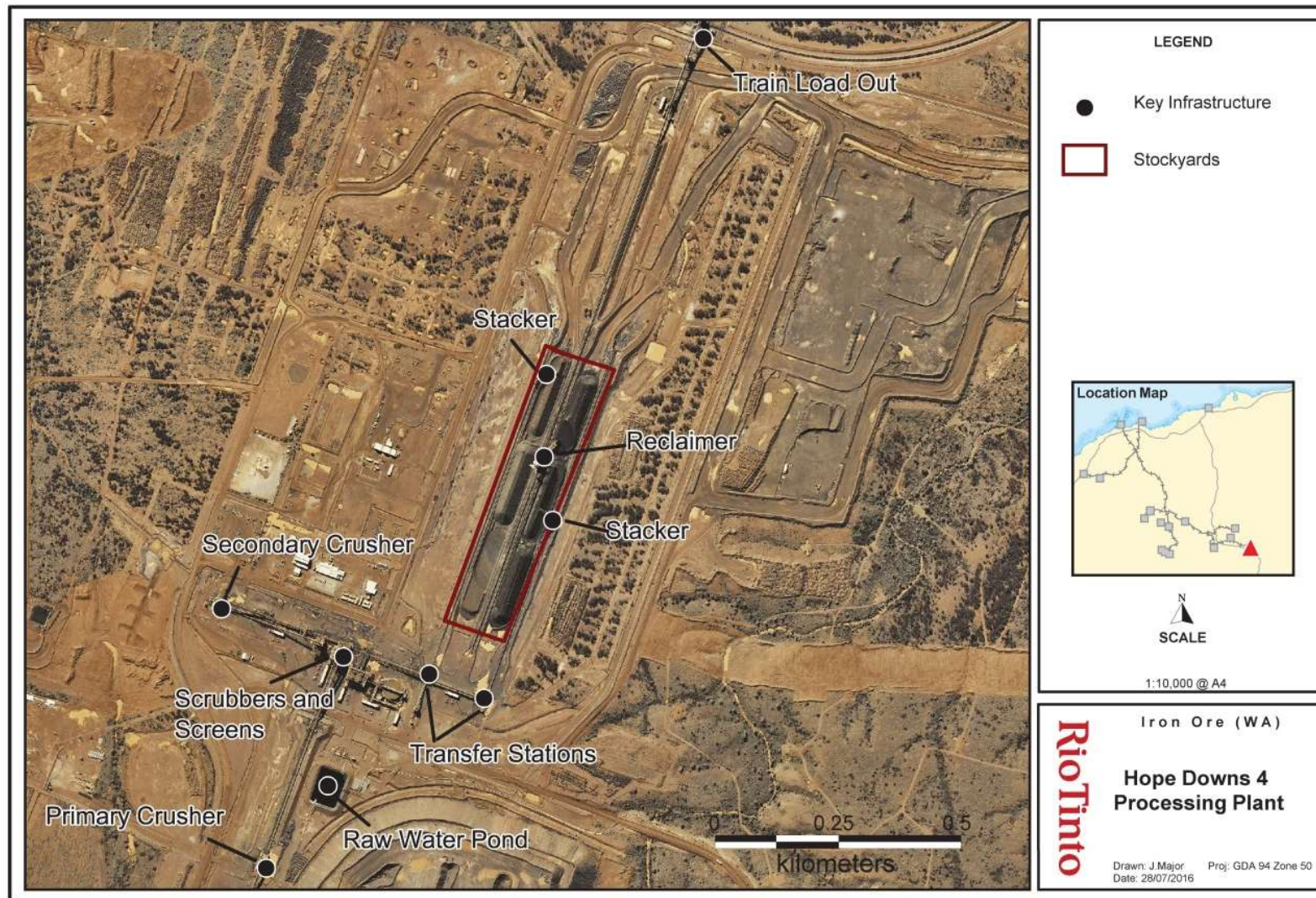


Figure 1: Premises infrastructure map

L8688/2012/1

IR-T06 Licence Template v2.0 (July 2017)



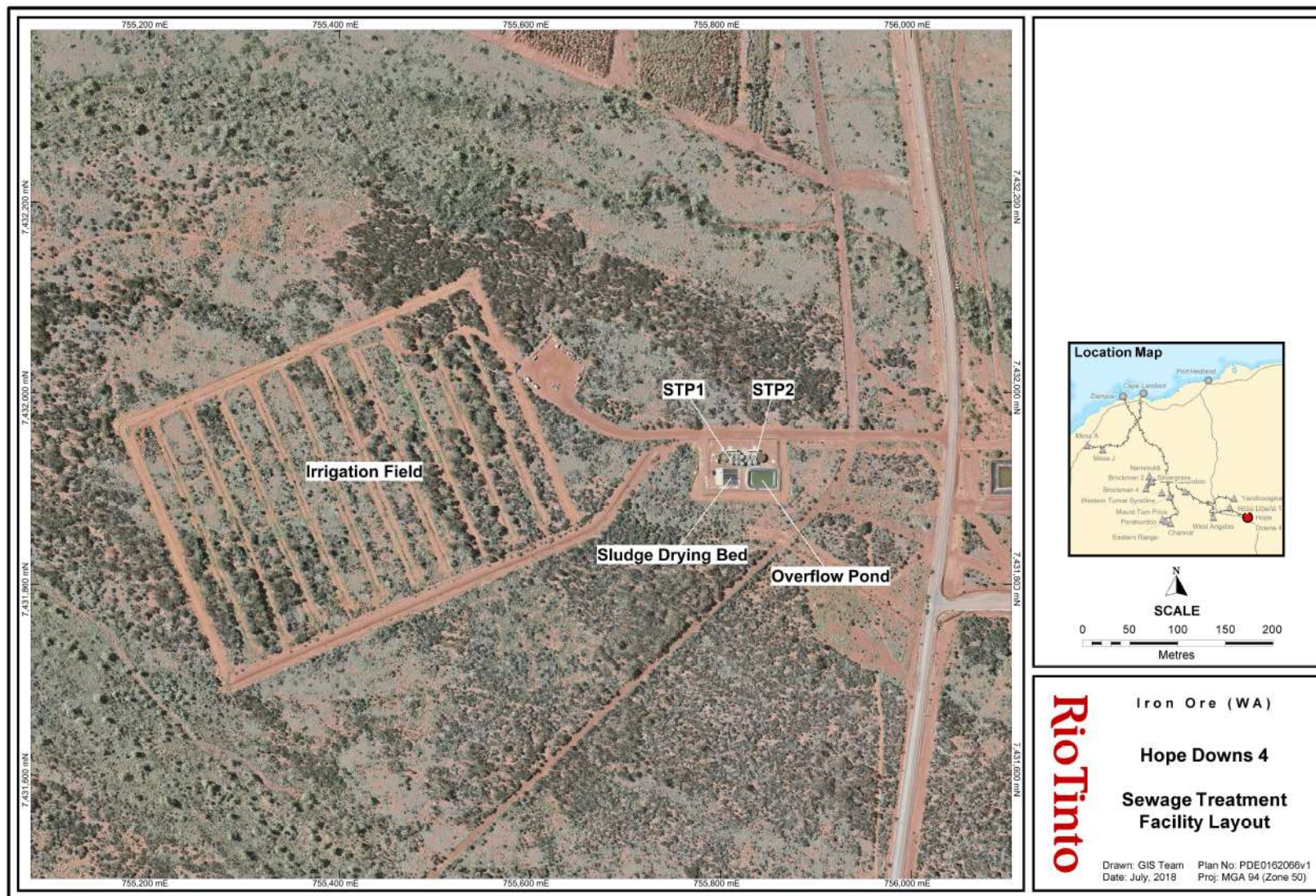


**Figure 2: Processing Plant layout**

L8688/2012/1

IR-T06 Licence Template v2.0 (July 2017)



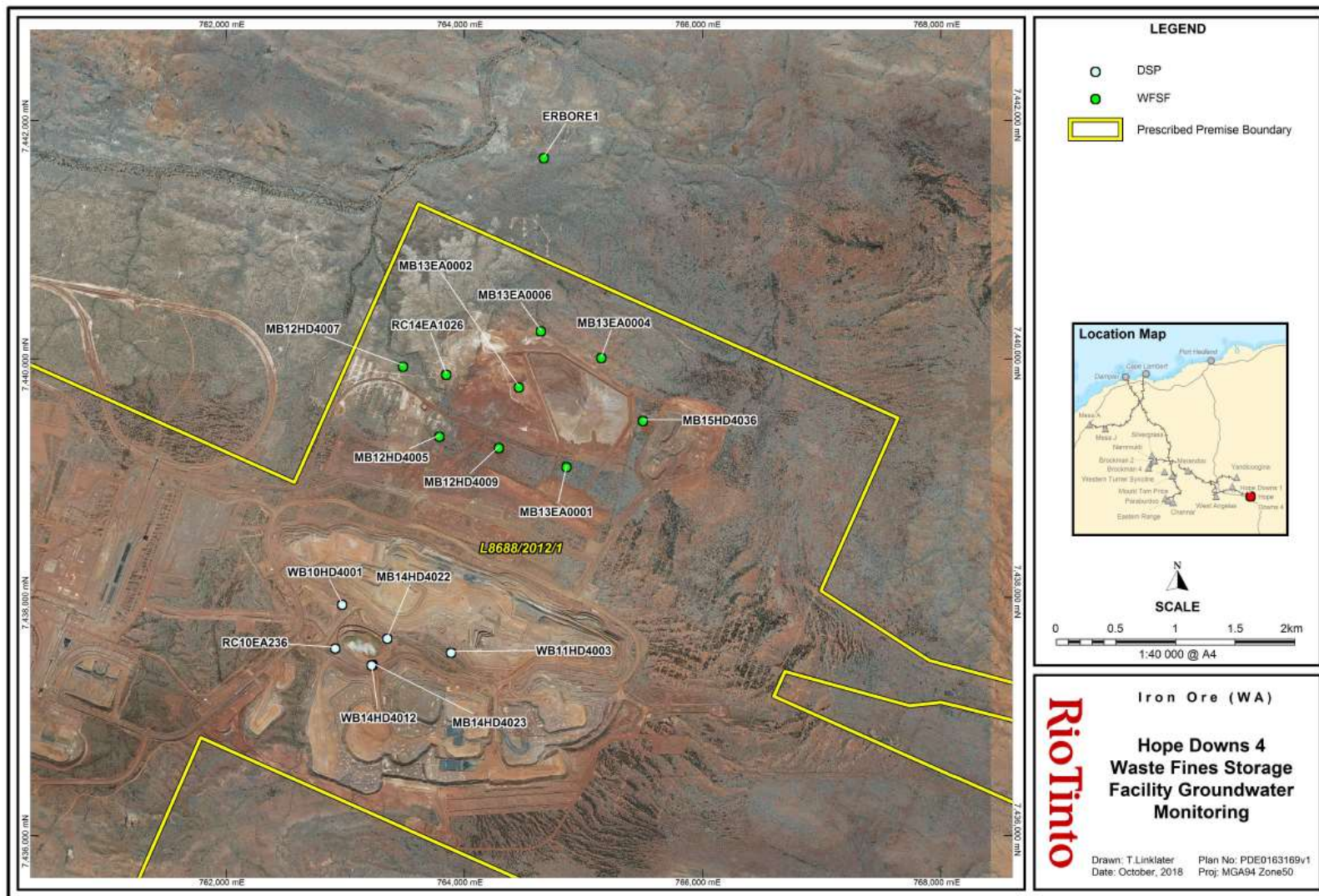


**Figure 3: Sewage Treatment Plant Layout**

L8688/2012/1

IR-T06 Licence Template v2.0 (July 2017)





**Figure 4: Groundwater Monitoring Sites**

L8688/2012/1

IR-T06 Licence Template v2.0 (July 2017)

## Schedule 2: General Description

At the time of assessment, Emissions and Discharges from the Primary Activities listed in Table 8 were considered in the determination of the risk and related Conditions for the Premises.

The Licence Holder is carrying out activities at the Premises which fall within the meaning of Prescribed Premises under the EP Act. The Premises constitute Category 5, 6, 12, 54 and 64 Premises as shown in Table 8.

**Table 8: Primary Activities**

Category of Premises	Description	Premises Production or Design Capacity
Category 5	Processing or beneficiation of metallic or non-metallic ore: premises on which — (a) metallic or non-metallic ore is crushed, ground, milled or otherwise processed; or (b) tailings from metallic or non-metallic ore are reprocessed; or (c) tailings or residue from metallic or non-metallic ore are discharged into a containment cell or dam.	16,500,000 tonnes per annual period
Category 6	Mine dewatering: premises on which water is extracted and discharged into the environment to allow mining of ore.	N/A – Regulated under Ministerial Statement 854 (20 GL/year).
Category 12	Screening etc. of material premises (other than premises within category 5 or 8) on which material extracted from the ground is screened, washed, crushed, ground, milled, sized or separated.	10,000,000 tonnes per annual period
Category 54	Sewage facility: premises — (a) on which sewage is treated (excluding septic tanks); or (b) from which treated sewage is discharged onto land or into waters.	372 cubic metres per day
Category 64	Class II putrescible landfill site: premises on which waste (as determined by reference to the waste type set out in the document entitled “Landfill Waste Classification and Waste Definitions 1996” published by the Chief Executive Officer and as amended from time to time) is accepted for burial.	1,000 tonnes per annual period

## Infrastructure and equipment

The Primary Activity infrastructure and equipment situated on the Premises are detailed in Table 9.

**Table 9: Infrastructure and equipment situated on the Premises**

	Category 5 Infrastructure	Plan reference
1	Processing plant (wet and dry plant)	Premises Processing Plant Layout: Process plant
2	Stackers, reclaimers, crushers, transfer stations, scrubbers, screens, raw water pond and train load out facilities	Premises Processing Plant Layout: Stacker, Reclaimer, Primary Crusher, Secondary Crusher, Transfer Stations, Scrubbers, Screens, Raw Water Pond and Train Load Out Facilities
3	WFSF	Premises infrastructure map: WFSF
4	DSP WFSF	Premises infrastructure map: DSP WFSF
5	Groundwater monitoring bores	Groundwater monitoring sites
	Category 6 Infrastructures	Plan reference
6	Dewatering discharge point	Premises infrastructure map: Kalgan Creek Dewatering Discharge Point
	Category 12 Infrastructure	Plan reference
7	Mobile crushing and screening equipment	N/A - Mobile
	Category 54 Infrastructure	Plan reference
8	STP 1 and 2	Sewage Treatment Plant Layout: STP1; STP2
9	Irrigation Sprayfield	Sewage Treatment Plant Layout: Irrigation Field
10	Sludge Drying Bed	Sewage Treatment Plant Layout: Sludge Drying Bed
11	Overflow pond	Sewage Treatment Plant Layout: Overflow pond
	Category 64 Infrastructure	Plan reference
12	Waste Dump Landfill	Premises infrastructure map: Waste Dump Landfill

## Site layout

The infrastructure and equipment are set out on the Premises in accordance with the site layout specified on Figure 1 of Schedule 1.