



Licence number	L6210/1991/10
Licence holder	Alcoa of Australia Limited
ACN	004 879 298
Registered business address	181-205 Davy Street Booragoon WA 6154
DWER file number	2010/002563-1
Duration	13/09/2013 to 12/09/2035
Date of issue	05/09/2013
Date of amendment	09/02/2021
Premises details	Huntly Mine Site Part of AML70/1 North Spur Rd DWELLINGUP WA 6213 As defined by the map in Schedule 1

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)	Assessed production capacity
Category 5: Processing or beneficiation of metallic or non-metallic ore.	29,000,000 tonnes per annual period.

This amended licence is granted to the licence holder, subject to the attached conditions, on 9 February 2021, by:

**/MANAGER, RESOURCE INDUSTRIES
REGULATORY SERVICES**

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

Licence history

Date	Reference number	Summary of changes
13/09/2005	L6210/1991/8	Licence renewed for three years.
13/09/2008	L6210/1991/9	Licence renewed for five years.
19/04/2013	L6210/1991/9	Amendment to allow the relocation of the crusher and associated infrastructure from McCoy to the Myara mining region.
13/09/2013	L6210/1991/10	Licence renewed for five years.
29/04/2016	L6210/1991/10	Notice of amendment to extend licence expiry date to 12/09/2035 in accordance with section 59(1)(k) of the <i>Environmental Protection Act 1986</i> and <i>DWER Guidance statement: Licence Duration</i> .
7/05/2015	L6210/1991/10	Amendment to allow for the operation of the upgraded McCoy treatment system and the new Myara treatment system constructed under works approval W5360/2013/1.
9/02/2021	L6210/1991/10	Department initiated amendment to clarify sources of contaminated wastewater permitted to be treated through the wastewater treatment plants on site, update the licence template and make minor administrative changes.

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 are 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
McCoy Wastewater Treatment Plant (WWTP)	WWTP is approved to treat wastewater from the following sources only: <ul style="list-style-type: none"> - fuel bays; - heavy vehicle wash down bay; - heavy vehicle workshop; - heavy vehicle silt drying beds; - hydrocarbon contaminated water collected from onsite drainage sumps (wastewater within sumps as a result of firefighting activities must not be treated through WWTP); - McCoy WWTP sludge drying beds; and - untreated wastewater from the Myara WWTP (when Myara WWTP is not in service). 	As depicted in Schedule 1, Figure 2.
Myara Wastewater Treatment Plant (WWTP)	WWTP is approved to treat wastewater from the following sources only: <ul style="list-style-type: none"> - heavy vehicle fuel bay; - light vehicle fuel bay; - fuel delivery areas; - hydrocarbon contaminated water collected from onsite drainage sumps (wastewater within sumps as a result of firefighting activities must not be treated through WWTP); - contractor's workshops and laydown areas; and - contractors refueling area. 	As depicted in Schedule 1, Figure 3.

2. The Licence Holder must install and maintain sufficient on-site storage capacity, such that in the event of wastewater treatment plant maintenance or breakdown, untreated wastewaters that exceed the limits specified in condition 7, Table 3 are not discharged to the environment.
3. The Licence Holder must manage all wastewater treatment and storage ponds such that:
 - (a) overtopping of the ponds does not occur; and
 - (b) the integrity of the containment infrastructure is maintained.

4. The Licence Holder must treat contaminated or potentially contaminated wastewater prior to discharge to the McCoy Sumps MC1, MC2 and MC3 and/or Myara Batching Tanks US1, US2 and US3.

Monitoring

5. The Licence Holder must ensure that:
- (a) all water samples are collected and preserved in accordance with AS/NZS 5667.1;
 - (b) all wastewater sampling is conducted in accordance with AS/NZS 5667.10; and
 - (c) all samples are submitted to a laboratory with current NATA accreditation for the parameters to be measured.
6. The Licence holder must undertake the wastewater monitoring in Table 2 according to the specifications in that table.

Table 2: Wastewater monitoring program

Monitoring point	Parameter	Units	Frequency
McCoy WWTP Sump MC1 Sump MC2 Sump MC3 Myara WWTP Batching Tank US1 Batching Tank US2 Batching Tank US3	pH	N/A	Prior to each discharge of wastewater unless there has been no addition of treated wastewater to the sumps or batching tanks since the last sampling event.
	Total dissolved solids, surfactants (as MBAS), total phosphorus, oil & grease, TRH, PAH, chromium, copper and zinc	mg/L	
	Discharge volume	kL	

7. The Licence Holder must not cause or allow the discharge of wastewater to the environment with parameters greater than the limits listed in Table 3.

Table 3: Wastewater discharge limits.

Emission source	Parameter	Limit (including units)	Averaging period
McCoy WWTP Sump MC1; Sump MC2; and Sump MC3 Myara WWTP Batching Tank US1; Batching Tank US2; and Batching Tank US3	pH	Within the range of 5.5 to 9.0	Spot sample
	Total dissolved solids	1,000 mg/L	
	Oil & grease	5 mg/L	
	Surfactants (as MBAS)		
	Zinc	2 mg/L	
	Total phosphorus		
	Chromium	0.06 mg/L	
	Copper	1 mg/L	

8. The Licence Holder must dispose of wastewater that exceeds the limits specified in condition 7 to a facility licensed to accept the wastewater.

Records and reporting

- 9.** The Licence Holder must notify the CEO in writing as soon as is practicable upon becoming aware of any discharge of wastewater to the environment that exceeds any limit specified in condition 7 including:

 - (a) the date, time and probable reason for the exceedance;
 - (b) an estimate of the period over which the exceedance occurred; and
 - (c) an estimate of the extent of the discharge over that period and indication of known or potential environmental impacts.
- 10.** The Licence Holder must provide a report on its investigations into any exceedance reported under condition 9 within 7 usual working days of becoming aware of the exceedance, and it shall include, but not be limited to:

 - (a) the date, time and reason for the exceedance;
 - (b) the period over which the exceedance occurred;
 - (c) the extent of the discharge over that period and potential or known environmental consequences;
 - (d) corrective action taken or planned to mitigate adverse environmental consequences; and
 - (e) corrective action taken or planned to prevent a recurrence of the exceedance.
- 11.** 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; and
 - (b) monitoring programmes undertaken in accordance with condition 6 of this licence.
- 12.** The books specified under condition 11 must:

 - (a) 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.
- 13.** 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 31 March after the end of that annual period an Annual Audit Compliance Report (AACR) in the approved form.
- 14.** The Licence Holder must submit to the CEO by no later than the 31 March after the end of each annual period, an annual environmental report for that annual period for the conditions listed in Table 4, and which provides information in accordance with the corresponding requirement set out in Table 4:

Table 4: Annual Environmental report

Condition	Requirement
-	an overview of the operations and processes carried out on the premises together with the quantity of ore processed during the annual period.
6	Results of wastewater monitoring in accordance with condition 6 including wastewater flow as a monthly cumulative volume.
6 and 7	An assessment of wastewater monitoring results obtained in accordance with condition 6 against previous monitoring results and the limits specified in condition 7.
9	A summary table of exceedances reported under condition 9 together with details relating to actions taken to minimise the likelihood of re-occurrence.
-	A table cross referencing the quantity of the wastes (sludge) generated from the wastewater treatment plants during the annual period and the total annual volume of treated wastewater discharged from the treatment plants (McCoy Sumps MC1, MC2 and MC3 or Myara Batching Tanks US1, US2 and US3).
13	Summary of compliance with licence conditions (AACR) ¹

Note 1: Annual Audit Compliance Report form can be found on the Departments website.

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).
AS/NZS 5667.1	means the Australian Standard AS/NZS 5667.1 <i>Water Quality – Sampling – Guidance of the Design of sampling programs, sampling techniques and the preservation and handling of samples.</i>
AS/NZS 5667.10	means the Australian Standard AS/NZS 5667.10 <i>Water Quality – Sampling – Guidance on sampling of waste waters.</i>
annual period	a 12-month period commencing from 1 January until 31 December 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.
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)
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.
mg/L	means milligrams per litre.
MBAS	means methylene blue active substances.

Term	Definition
NATA	means the body known as the National Association of Testing Authorities, Australia.
NATA accredited	means in relation to the analysis of a sample that the laboratory is NATA accredited for the specified analysis at the time of the analysis.
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.
PAH	means polycyclic aromatic hydrocarbons
Spot sample	means a discrete sample representative at the time and place at which the sample is taken.
TRH	means total recoverable hydrocarbons
usual working day	means 0800 – 1700 hours, Monday to Friday excluding public holidays in Western Australia.

END OF CONDITIONS

Schedule 1: Maps

Premises map

The boundary of the prescribed premises is shown in the map below (Figure 1). The brown line depicts the Premises boundary.

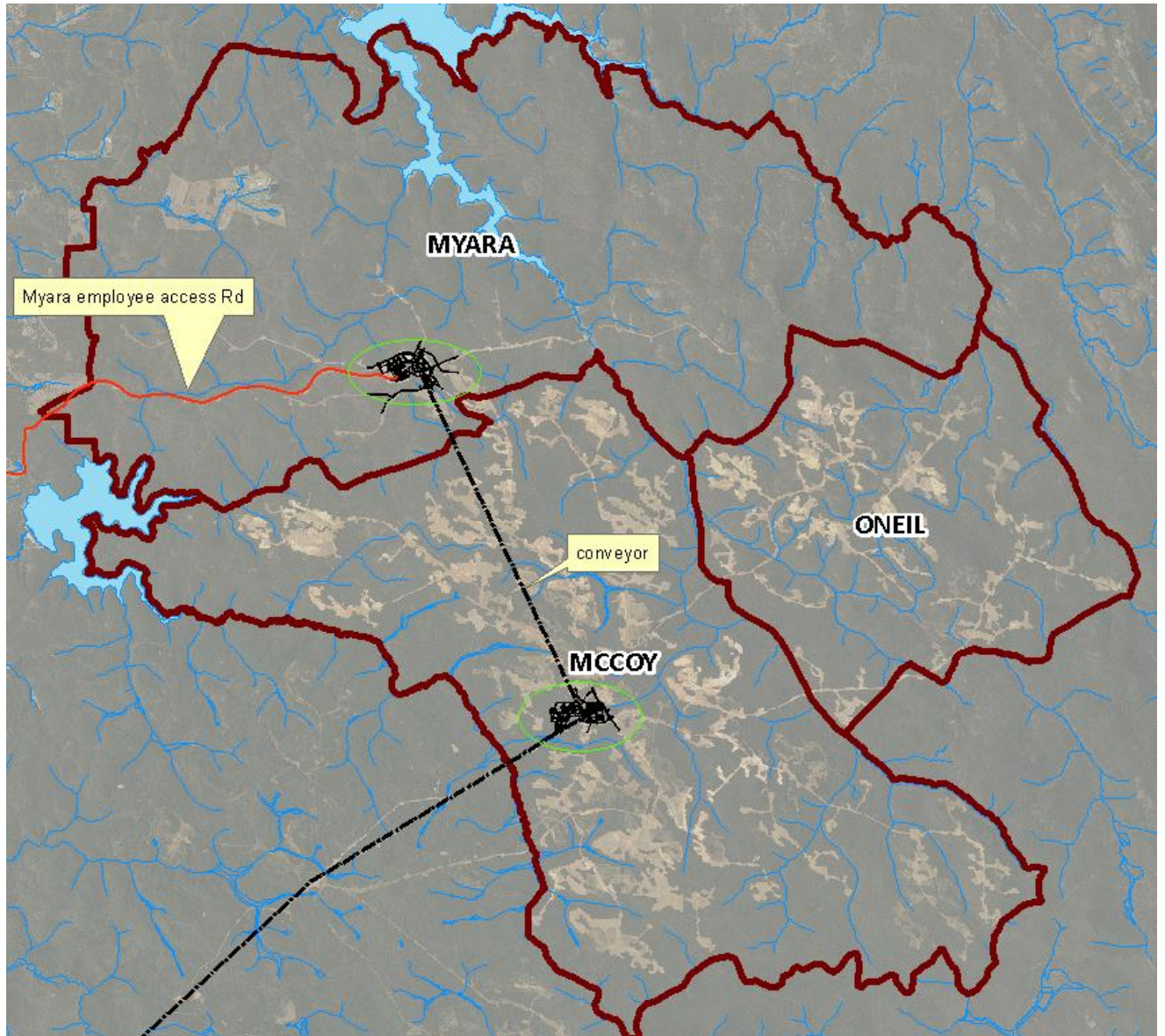
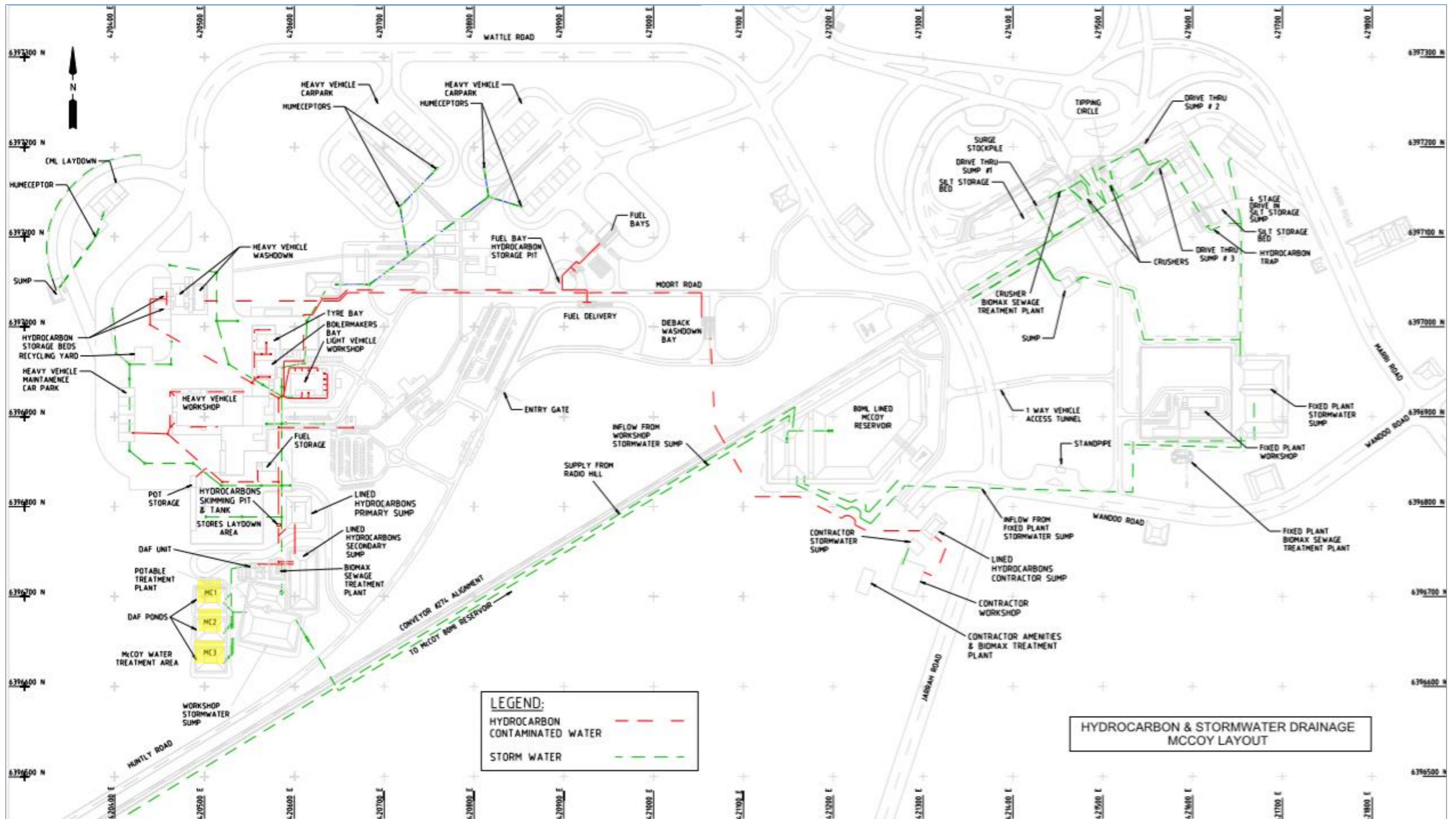


Figure 1: Map of the boundary of the prescribed premises.

Maps of monitoring points, WWTPs and source infrastructure locations.



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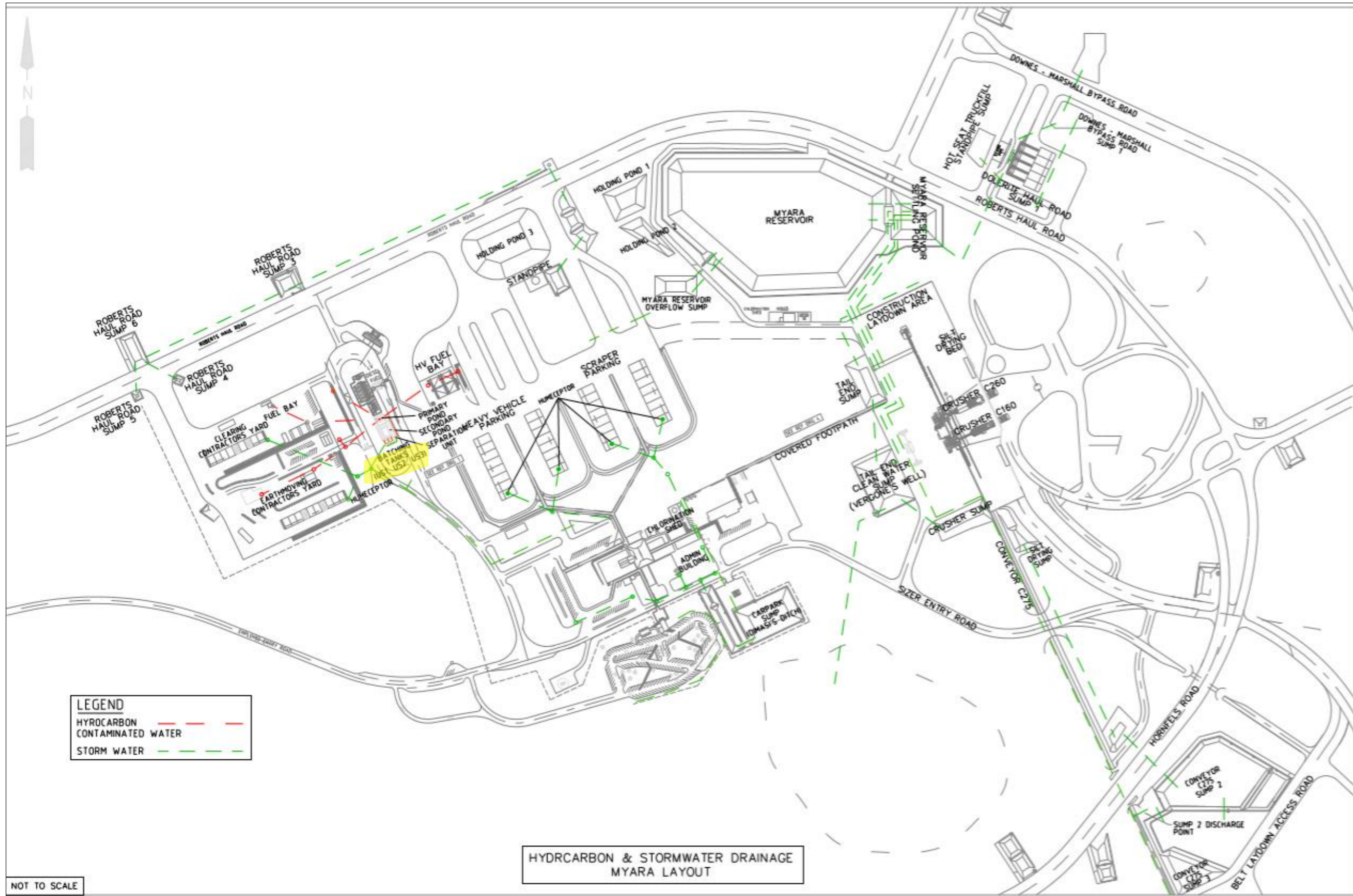


Figure 3: Myara operations area. Myara monitoring points highlighted in yellow.

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