DARACON Group

Construction Environmental Management Plan

Awaba Waste Management Facility

Contruct Waste Disposal Cells 3 and 4

1905

Sub-Plan Details	
Type of Document:	Awaba Waste Management Facility Construct Waste Disposal Cells 3 and 4
Sub-Plan Name:	Construction Environmental Management Plan
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Sub-Plan Developed By:	J. Douglas

Project Details	
Project Name:	Awaba Waste Management Facility Construct Waste Disposal Cells 3 and 4
Project Number:	1905
Address of Project:	367 Wilton Road, Awaba 2283
Principal Contractor:	Daracon Contractors Pty Ltd
Principal Contractor Address:	20 Kullara Close, Beresfield NSW 2322, Australia
Project Client:	Lake Macquarie City Council

Sub-Plan Review Control

Issue N°.	Description of Changes to the Plan	Date
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1.0	Initial Approval	29/08/2017
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Sub-Plan Approval	Name	Position	Signature
Document Owner:	Richard Baker	Project Manager	
Document Approver:	Mike Rummery	Divisional Manager	

Sub-Plan Issue Control	
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1 BACKGROUND

1.1 INTRODUCTION

Lake Macquarie City Council (LMCC) is proposing to expand the capacity of the Awaba Waste Management Facility (AWMF) located off Wilton Road, Awaba within the Lake Macquarie Local Government Area. The proposed additions to the AWMF form part of LMCC's Waste Strategy, which proposes a sustainable way forward for the management of the city's waste.

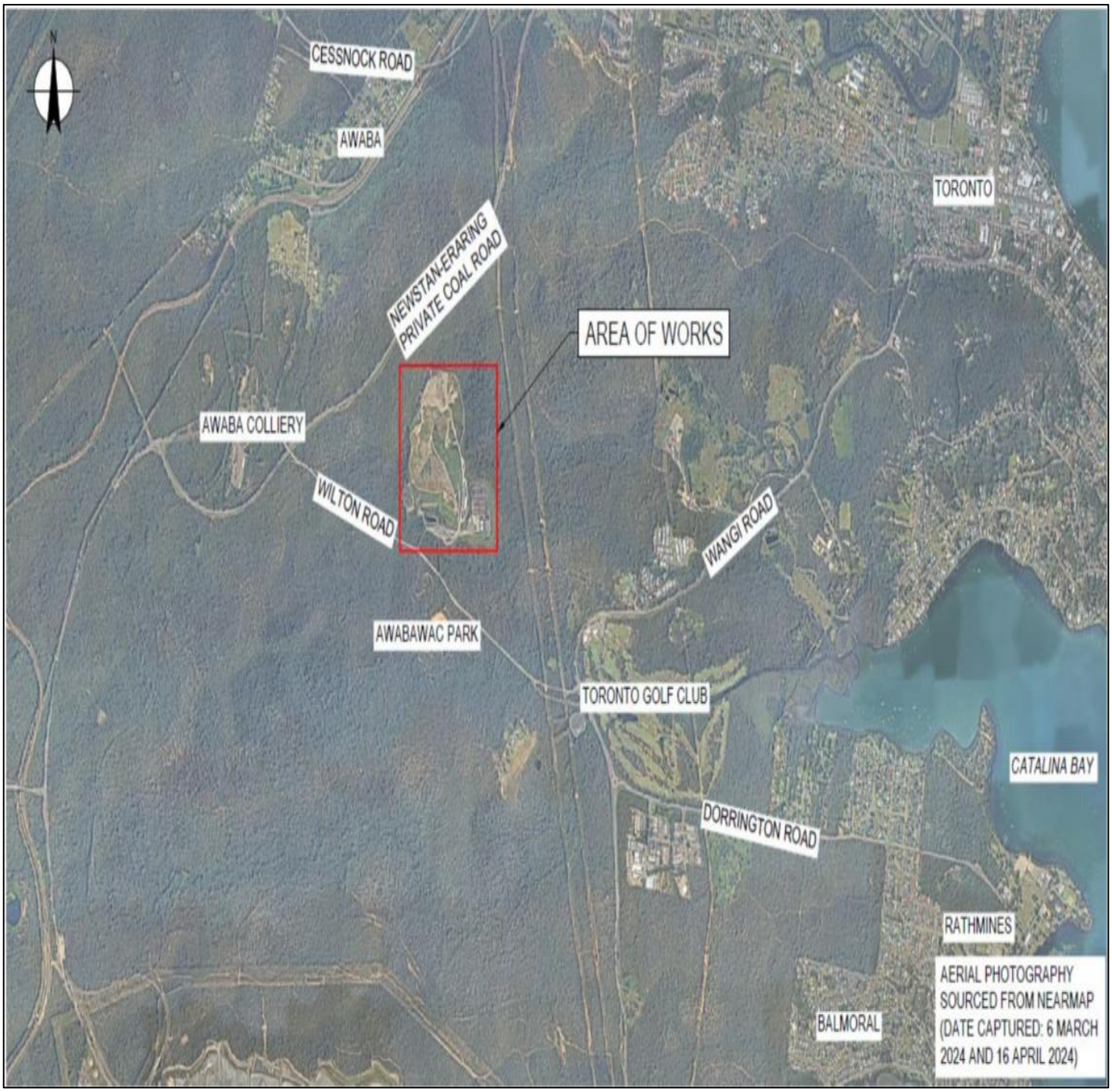
An Environmental Assessment was prepared and approved for the project (Cardno, 2012). One of the key conditions of approval was that a Construction Environmental Management Plan (CEMP) be prepared prior to the commencement of construction. This report addresses this requirement and comprises a CEMP for the AWMF expansion project (the project). LMCC is the proponent for the project and holds the approval for the works, while Daracon Group (Daracon) is the construction contractor appointed for the works by LMCC.

1.2 PROJECT DESCRIPTION

1.2.1 LOCATION

The proposed additions to the AWMF are situated within the boundaries of the existing facility, within Lot 372 DP 723259, owned by LMCC. The site is located approximately 4 km west of the suburb of Toronto and approximately 1.2 km south-east of the township of Awaba within the Lake Macquarie Local Government Area (**Figure 1-1**). The AWMF boundary covers an area of 32.5 ha, with approximately 23.5 ha comprising the existing AWMF facility and the majority of the remaining 9 ha comprising natural bushland. The only component of the proposed works located outside of Lot 372 DP 723259 is a proposed sewer pipeline route that has been assessed under a separate CEMP.

FIGURE 1-1 SITE LOCATION



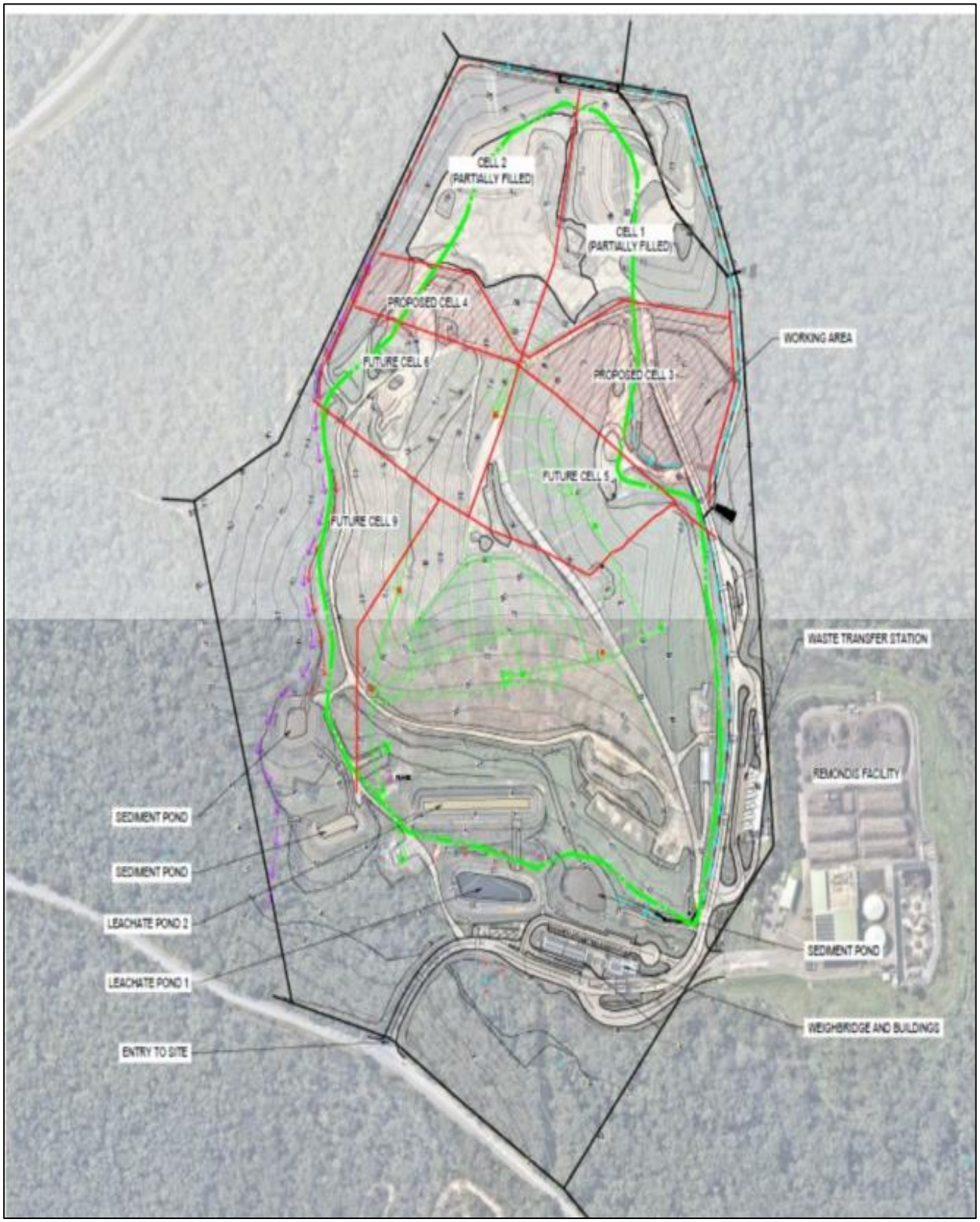
1.2.2 KEY PROJECT COMPONENTS

The key components of the AWMF expansion project comprise:

- Site establishment and management
- Earthworks and subgrade preparation
- Landfill cell construction (Cells 3 and 4)
- Geosynthetics supply and installation
- Drainage and leachate management systems
- Surveying and quality assurance
- Appurtenances and ancillary works

A figure showing the existing and proposed expansion works are provided in **Figure 1-2.**

FIGURE 1-2 PROJECT ALIGNMENT



1.2.3 EXISTING ENVIRONMENTAL CONDITIONS

The project is surrounded by native remnant woodland on all sides. This woodland forms a buffer between the existing Awaba landfill and the residential areas of Awaba, Toronto and Rathmines. The woodland within the AWMF site is predominantly undisturbed, with the exception of several fire trails, which traverse the site.

Mine Subsidence

The AWMF is located within the West Lake Mine Subsidence District. The NSW Mine Subsidence Board advised that the proposed AWMF landfill cells are underlain by coal seams likely to be mined sometime in the future by Centennial Coal Company Limited, who owns the mining lease (Cardno, 2012). Mine subsidence is not considered to pose a risk to construction activities.

Threatened Flora and Fauna

No Endangered Ecological Communities were identified at the AWMF site; however, the threatened flora species Tetratheca juncea (Black-eyed Susan) is located within the direct footprint of the works. Tetratheca juncea is listed as vulnerable under both the Threatened Species Conservation Act 1995 and the Environment Protection and Biodiversity Conservation Act 1999 (EPBC Act). It was determined that 2,302 Tetratheca juncea plants will need to be removed for the expansion. No other threatened flora species were located within the direct footprint of the works and no threatened fauna species were considered to be significantly impacted by the project (Cardno, 2012). LMCC has prepared a biodiversity offset strategy to offset the impacts of the project on Tetratheca juncea through the establishment of the Awaba Biobank Site Under the EPBC Act Approval for the project (Ref 2011/5973).

Cultural Heritage

The project area is located within the country of the Awabakal. Several cultural heritage sites were identified during the cultural heritage surveys undertaken for the Environmental Assessment (Cardno, 2012). Two sites comprising a modified tree and part of a midden will be impacted by the project, for which a cultural heritage management plan has been prepared to manage the impact.

Air Quality

Trucks travelling along unseated sections of the AWMF site and heavy plant utilised during the construction phase will result in emissions of dust, particulate matter and noise. The potential for adverse dust and gaseous emissions impacts during the construction phase at the AWMF site is expected to be minimal given the separation distances to private residences of 1.5 km and the additional screening influence of local topography and vegetation.

Noise

The existing AWMF site has a low to moderate ambient noise level (Cardno, 2012), with noise sources generally comprising rubbish trucks and excavators traversing the site. In the wider area surrounding the AWMF site, ambient noise is generally low and is associated with occasional traffic (primarily cars and some trucks) travelling along Wilton Road. There will be some intermittent noise and vibration emissions from the project during the construction phase. Sources of noise during the construction phase would include excavators and other heavy vehicles used to transport materials. The AWMF site is surrounded by dense, natural vegetation and undulating terrain, which may serve to attenuate some noise pollution.

Waterways

The AWMF site forms part of the Macquarie Tuggerah Catchment area. The AWMF site is located in the vicinity of two un-named natural watercourses. One passes to the south of the project area within Lot 372. The other passes to the south of Wilton Road and is directed through culverts underneath Wilton Road approximately 220 m east from the exit of the AWMF site onto Wilton Road. Both watercourses discharge into Kilaben Bay of the Lake Macquarie estuary approximately 3 km east of the AWMF site. Construction works at the AWMF site could potentially impact on water quality downstream in the un-named watercourses if appropriate temporary stormwater runoff management measures are not implemented.

Soils and Contamination

Soil landscapes across the AWMF site belong to the Awaba Group, which is characterised by rolling low hills on predominantly coarse-grained sediments of the Narrabeen group and Newcastle coal measures in the Awaba hills. Local relief is 20 m to 80 m and slope gradient is usually of 10% to 25% with some localised steep slopes up to 60 % (Cardno, 2012). The project has the potential to encounter Acid Sulphate Soils (ASS) and contaminated lands, however, ASS are not considered likely to be encountered by AWMF expansion works.

1.2.4 CONSTRUCTION ACTIVITIES

Pre-Excavation Works

Activities prior to the commencement of the cell works are detailed in this section and includes.

- Site Establishment.
- Approval of Plans and Procedures.
- Utility Investigations including Leachate and Drainage lines.
- Traffic Control Works.
- Survey Works.
- Sediment and Erosion Controls.
- Test pits to find the edge of the rubbish.

Existing Utilities will be mapped including leachate and gas lines with surface markers established in the field to show the locations.

Installation of Erosion and Sediment Controls

An Erosion and Sediment Control Plan (ESCP) will be developed for the works (**Appendix C**). This will be developed by Daracon environmental engineers experienced with sediment and erosion controls who have the required Blue Book Training. Sediment controls will be placed in accordance with the ESCP. Temporary sediment traps would be installed where shown on the ESCP and maintenance in the form of cleaning out sediment and fixing any controls would be carried out on a regular basis. Auditing of the sediment and erosion controls would be in accordance with the IPMP.

Construction of Cells 3 and 4

Clearing and Grubbing

The clearing limits would be marked on site and toolboxed with the crews and clearing subcontractors prior to works commencing. Trees and vegetation from the site will be mulched and used in sediment and erosion controls. Any weed trees or vegetation will be treated separately to native trees.

Where material is stripped off the existing waste fill the initial surface will be grubbed prior to topsoil/cover material removal.

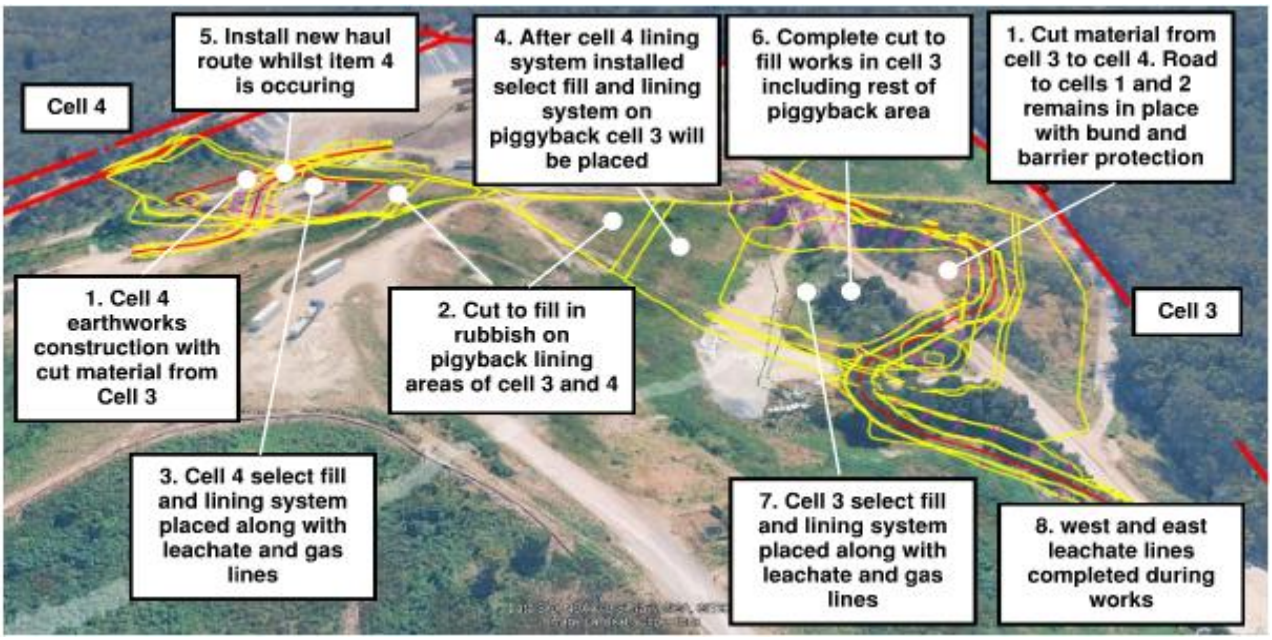
Topsoil Removal

Topsoil will be removed with the D6 dozer and excavators. Excavators will load the materials in the 6wd off road trucks and stockpile it adjacent to the cells. This material will be re-used to finish any landscaping works on disturbed areas outside of the cell works. Any excess material will be left in stockpile for re-use as cover material by LMCC.

Sequence of Cell Construction

The construction sequence is shown in **Figure 1-3**

FIGURE 1-3 CONSTRUCTION SEQUENCE



Earthworks Cut, Fill and Select Materials

Cut to fill will be completed with a D6 dozer, that would also be used to rip material particularly in the eastern part of cell 3. Haulage will be with 6wd off road trucks with loading of the trucks by a 36T excavator. A 22,000 litre 6wd off road water cart will be used to moisture condition the material.

The cut material will be processed in the cell 3 cut, which is where the majority of the cut material will come from, with the D6 track rolling the material to break it down. Borehole BH406 depicted in Figure 3.2.6 indicates that the material is suitable for use as earthfall, will be broken down reasonably easily and will form a good foundation for the cells with the maximum cut depth in this area being around 6m. The material will be hauled in 6WD off road trucks and placed, and compacted in accordance with the specification requirements with compaction and moisture tests conducted as required. CBR's and material grading will be undertaken as specified at 1 per 5,000 m3 or 3 per source.

Prior to the placement of fill material the foundation will be inspected surveyed. Any unsuitable material will be removed and stockpiled at a location agreed with the LMCC Site Supervisor. Earth fill will be used to replace the unsuitable material. The foundation will be ripped and recompacted as detailed in the specification. Proof rolling will also occur on the foundation and placed layers.

On the base the fill material will be placed and compacted and on batters the material will be placed in progressive layers up the slope and trimmed as works progress. A grader and watercart will be used for haul road maintenance with the watercart also used for dust suppression and moisture conditioning of materials.

The geogrid will be placed with the materials inspected prior to installation and the specified overlaps observed during the installation process.

Select material will be imported and placed and compacted in accordance with the specified requirements.

The final trim of the batter slope will occur just prior to the liner system installation. Gas and leachate lines will be excavated and placed progressively as works progress. GPS systems will be utilised on the plant to enable accurate trimming with as built conformance information picked up by the survey crew. All works will be constructed and tested in accordance with the specifications and drawings.

Trafficking of Liners

There are requirements to be followed with regards to minimum cover over membranes and trafficking of liners. Having previously completed lining works at Awaba and also at other locations Daracon is experienced at ensuring lining materials and substrates are not damaged during the construction of the works.

Drainage layers shall be placed in minimum thickness of 1000mm for trafficking and cut back to 300mm with no more than 35Kpa imposed on it by mobile plant.

Gas and Leachate Drainage Lines

The installation of the gas and leachate drainage lines will be as shown on the drawings. The trench dimensions shown will be achieved. Where required the pipe will be slotted. All pipework, fittings and geotextile will be checked for compliance prior to delivery. Compaction of materials in the trench will be with wacker packers and remote-control trench rollers.

Liner Installations

- Liner materials compliance.
- Storage of lining materials.
- Preparation of surface to receive geomembrane.
- Geosynthetic clay liner.
- Leachate Drainage Aggregate.

The lining system including all geotextiles, geogrids, P E geomembranes, drainage composites and liners will be supplied and installed by a certified recognised experienced lining subcontractor. The methodologies will be fully detailed in the Cell Lining Quality Management Plan to be finalised prior to the commencement of the works.

Field Trials

Field trials are essential for ensuring that the placement of overlying materials on the geomembrane liner system is conducted safely, effectively, and in accordance with the Technical Specifications. Completing field trials that replicate the placement of overlying materials on the geomembrane liner systems is crucial for several reasons:

1. Validation of Methodology: Field trials provide an opportunity to test and refine the proposed placement methods in a controlled environment. This ensures that the methodology is effective and can be reliably implemented in the actual project.

2. Damage Prevention: By simulating the placement process, field trials help identify potential issues that could damage the geomembrane liner, such as punctures, tears, or abrasions. This allows for adjustments to be made to the placement method to prevent such damage.

3. Quality Assurance: Field trials serve as a form of quality control, verifying that the installation methods meet the required specifications and standards. This helps ensure the integrity and longevity of the liner system.

4. Equipment and Process Evaluation: Trials allow for the assessment of the equipment and techniques used in the placement process. This includes evaluating the performance of machinery, determining appropriate pressure limits, and confirming that the equipment does not adversely affect the geomembrane.

Daracon confirms that it will conduct field trials to validate the proposed placement method, ensuring that the specified compaction levels are achieved without causing any damage to the underlying geosynthetics system. In alignment with the technical specifications, Daracon will prepare a comprehensive Work Method Statement (WMS) for the field trials.

Quality Control and End of Project Reporting

Daracon will leverage its extensive experience in completing similar landfill projects to expertly manage all Quality Assurance (QA) requirements related to liner system material conformance, construction conformance, and the long-term performance and durability of the liner systems.

In line with Daracon's project-specific Integrated Project Management Plan, QA records will be meticulously maintained to ensure a seamless transfer of accurate information. These records will be promptly provided upon project completion.

1.2.5 HOURS OF WORK

The approved working hours for the project are:

- Monday to Friday between 0700 hours to 1700 hours
- Saturday between 0800 — 1300 hours.
- No work will be permitted on Sundays or public holidays

1.2.6 EMPLOYMENT

The estimated total number of employees required during construction will be a maximum of 60 persons including:

- 5 management staff
- 10-15 operators and labour staff

- 10 lining contractors

1.2.7 PLANT AND EQUIPMENT

The following equipment/plant will be used for the project:

- 15t/30t/45t excavators
- D6/D8 Dozer
- D6 swampy
- 22,000 litre Water Cart
- CC10/Trench Roller/Wacker packers
- 17t Smooth Drum
- 17t Padfoot
- On Road tippers and truck and dogs
- 30t/40t 6wd Off Road Trucks
- Hydremas – for leachate drainage aggregate and select over liners
- 140M Grader
- 100t Mobile Crane, Franner Crane
- Hydroseed Truck
- Plant for Liner installation including welders, elevated work platform, liner materials handler
- Rubbish Compacter – as deemed required
- Small hand tools

1.2.8 SITE FACILITIES AND COMPOUNDS

The site facilities will include offices, crib facilities, ablutions and car parking, which will be utilised by staff, employees and subcontractors during the project duration. The site facilities will be located within a compound area, which will be established at the location agreed with LMCC. The preferred location is at the area where the construction offices were established previously as shown in **Figure 1-4** and **Figure 1-5**.

FIGURE 1-4 SITE COMPOUND LOCATION

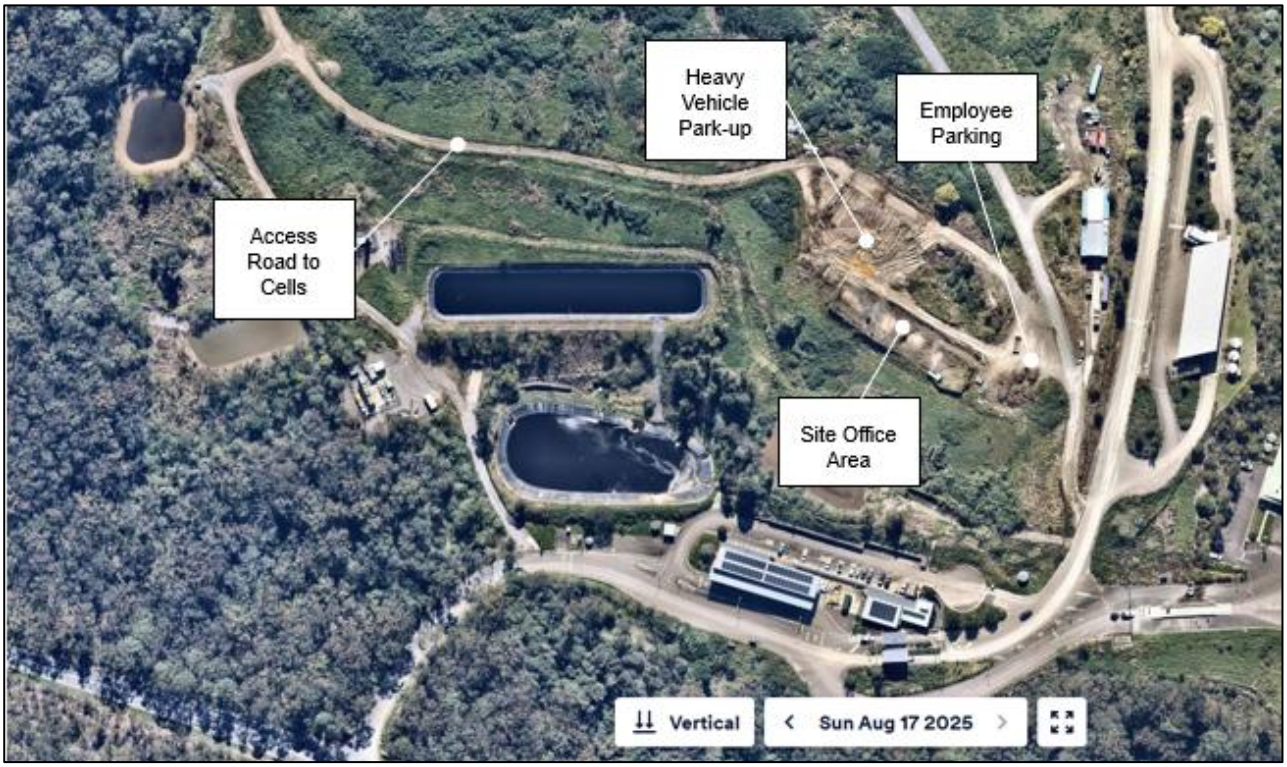


FIGURE 1-5 SITE COMPOUND LAYOUT

The following will generally be located within the site compound:

- Site office;
- Crib sheds;
- Male and Female ablution blocks;
- Containers;
- Water tanks and pumps;
- Generator;
- First aid facilities;
- Spill kits;
- Waste bins;
- A hazardous goods container;
- CCTV security camera if required; and
- Stockpiling of materials.

1.2.9 TIMING AND SCHEDULING

The key dates for construction of the project are detailed **Table 1-1**.

TABLE 1-1 KEY PROJECT DATES

Description	Date
Contract Award	3 December 2025
Start up Workshop	21 January 2026
Submission of CEMP to Minister	29 January 2026
Formal approval of CEMP by Minister	12 March 2026
Site Establishment	13 March 2026
Cell 4 works commence	30 March 2026
CQA Liner Testing	March to June 2026
Cell 4 Liner Install commence	12 June 2026
Cell 3 work commence	2 April 2026
Cell 3 Liner Install commence	1 July 2026
Cell 4 Access Road Completion	19 August 2026
Cell 3 Access Road Completion	23 December 2026
Completion	14 January 2027

1.3 CEMP CONTEXT

The environmental studies completed and approved for the project are summarised in **Table 1-2.**

TABLE 1-2 ENVIRONMENTAL STUDIES COMPLETED FOR THE PROJECT

Environmental Study	Reference	Approval
Additions to Awaba Waste Management Facility Environmental Assessment	Cardno 2012	Project Approval (8 May 2013) (**Appendix A**)
Construction Environmental Management Plan for the Awaba Waste Management Facility Leachate Pump Station and Rising Main	TCM Civil, 2015	DPE approval letter (30 September 2015) (**Appendix A**)
Awaba Waste Management Facility Biodiversity Offset Strategy	LMCC (2017)	DoEE approval letter (29 March 2017) (**Appendix A**)

This CEMP has been prepared to address the approval conditions for the AWMF expansion project, namely Schedule 5, Condition 1, which requires the preparation and approval of a CEMP prior to the commencement of construction. This CEMP has been prepared in accordance with the following approvals and documents:

- Department of Planning and Environment (DPE) “Guideline for the Preparation of Environmental Management Plans" (DPE, 2004).
- Relevant Conditions of Approval for Project Approval 10_0139, dated 8 May 2013.
- Commitments made in the Project Environmental Assessment prepared by Cardno (2012).

1.4 CEMP OBJECTIVES

This CEMP aims to ensure that all construction activities are managed to minimise any adverse impacts on the environment (physical, human and biological) during construction works. To achieve this, LMCC, Daracon and any contractors and/or sub-contractors will:

- Comply with all requirements of relevant environmental legislation (NSW and Commonwealth)
- Comply with all conditions of the Project Approval and licences
- Implement and adhere to all the environmental safeguards outlined in this plan
- Ensure that all environmental controls and mitigation measures are implemented and effective in achieving their objectives
- Comply with their individual companies’ policies and procedures

A copy of all management plans, including this CEMP, will be maintained on site in addition to accurate records pertaining to all activities onsite relating to the conditions of approval.

Construction works carried out within the AWMF will also comply with the requirements of the Pollution Incident Response Management Plan, a copy of which is held on site in the Gatehouse and available on the LMCC public website (LMCC, 2026).

1.5 ENVIRONMENTAL POLICY

LMCC holds a number of environmental policies available on their website:

https://www.lakemac.com.au/Our-Council/Council-policies/Environmental, which include:

- Control of open burning
- Environmental sustainability
- Greenhouse gas emission reduction targets
- Improvements and maintenance of watercourses and drainage channels
- Environmental upgrade agreement
- Waterway flooding and tidal inundation
- Management of trees on roads and public reserves
- Managing contaminated or potentially contaminated land
- Noise control
- Pollution incident response management plan
- Protection of watercourses and drainage channels
- Vertebrate pest

A copy of the environmental sustainability policy is provided in the following sections for reference.

1.5.1 POLICY OBJECTIVES

The commitment that LMCC has made to mainstream Sustainability throughout the organisation is reflected in the revised policy.

1.5.2 POLICY STATEMENT

Our Commitment

We are committed to making Lake Macquarie a sustainable city with healthy ecosystems and a community secure from environmental threats. We will achieve this by continually improving our services and environmental performance, and by sharing our responsibility for environmental management with all who work for us and with us.

Our Goal

Our goal is to sustain an environment that is diverse and inspiring, minimally polluted, and supportive of the city's economic and social needs. We aim to contribute equitably to local and global environmental sustainability.

Our Plan

We aim to achieve this by:

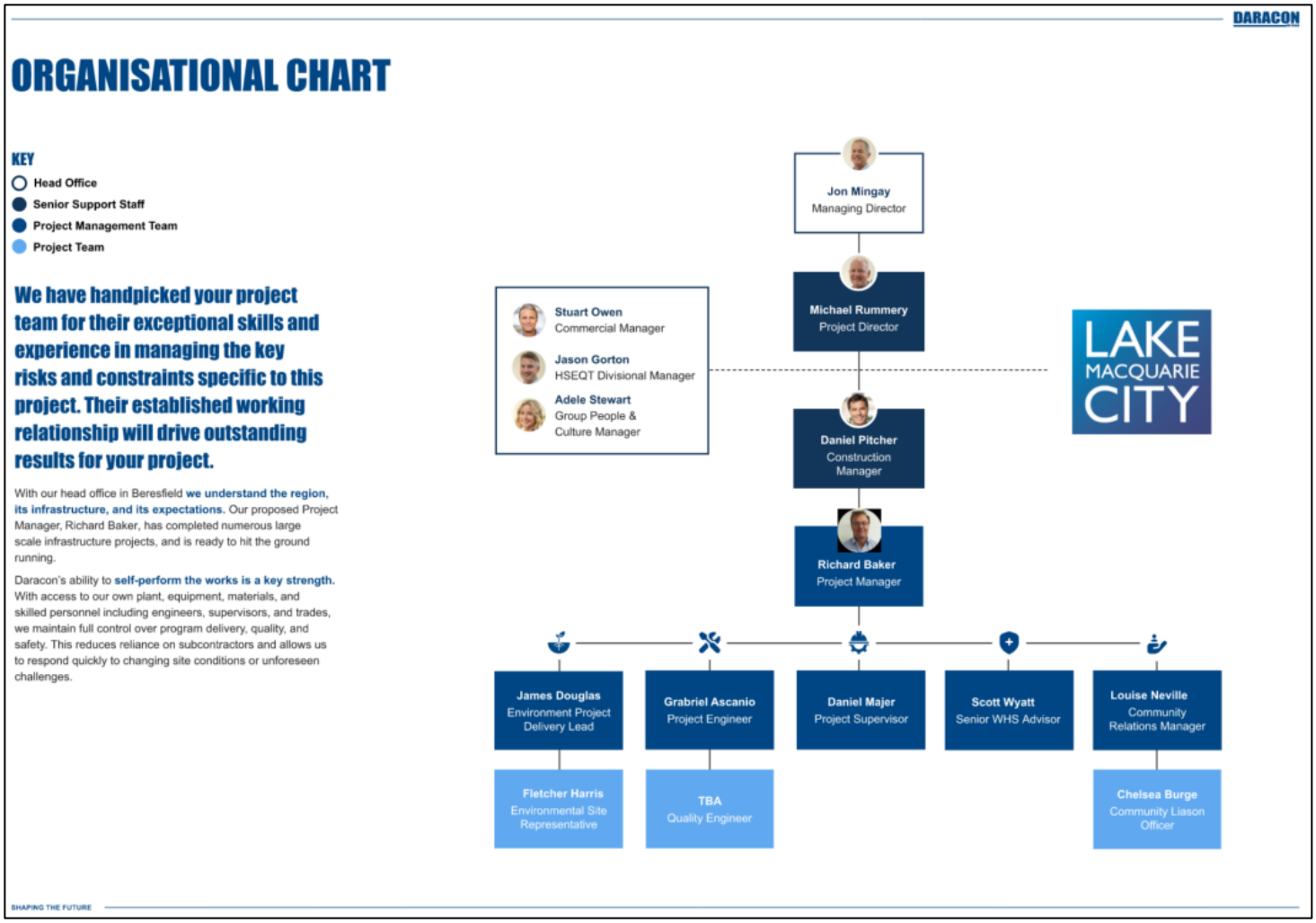
- Implementing actions that support ecologically sustainable development
- Minimising the use of natural resources, reducing waste and limiting pollution
- Enhancing the natural ecosystems of the City, preventing further degradation and loss of biodiversity
- Reducing the city's exposure to risks from the environment including those from natural
- disasters, environmental health and climate change related impacts
- Continually assessing environmental and sustainability risks across the organisation, implementing measures to avoid and control these risks, and using our management systems to support continual improvement in environmental sustainability performance
- Reporting on environmental performance and continually reviewing and improving our environmental sustainability strategy and operations in consultation with others
- Complying with all applicable environmental regulations, laws and other requirements to
- which LMCC subscribes
- Raising environmental sustainability awareness and responsibility in our community
- Practicing due diligence by providing appropriate awareness and training for all staff relevant to their environmental sustainability responsibilities
- Communicating and making available our environmental sustainability policy to staff, contractors and the community

2 ENVIRONMENTAL MANAGEMENT

2.1 ENVIRONMENTAL MANAGEMENT STRUCTURE

The project management organisation structure provided by Daracon for the project is outlined in Figure 2-1

FIGURE 2-1 ORGANISATIONAL CHART



2.2 ROLES AND RESPONSIBILITIES

TABLE 2-1 ROLES AND RESPONSIBILITIES

Position	Name	Contact
Daracon		
Executive Director	David Mingay	0418 688 788
Managing Director	Jon Mingay	0418 169 884
Divisional Manager	Michael Rummery	0437 335 548
Environment and Quality Manager	Jason Gorton	0429 844 097
Group People and Culture Manager	Adele Stewart	0409 989 004
Systems Manager	Waldo Oosthuizen	0429 223 201
Senior Workplace Health and Safety Advisor	Scott Wyatt	0460 030 474
Incident Manager and Occupational Health and Safety Officer	Ben May	0499 865 928
Environmental Officer	Fletcher Harris	0427 143 182
Project Manager	Richard Baker	0491 168 707
Project Supervisor	Daniel Major	0407 934 485
Project Engineer / Emergency Response	Gabriel Ascenio	0459 930 111
Site Engineer / Quality Manager	TBA	TBA
Surveyor (Centreline Surveying)	Matthew Said	TBA
Environment Protection Authority	24-hr Contact	131 555
LMCC (Awaba Site)		
Senior Project Manager	Tess Dziwulski	0417 652 661
Project Officer	Timothy Bell	0417732749

AWMF Coordinator (Construction)	Steve Merrett	0408 485 407
AWMF Coordinator (Operation)	Dustan Hansen	0487521948

2.2.1 PROPONENT (LMCC)

The proponent is responsible for:

- Review and onward submission of the CEMP and related documents to DPE (now DCCEEW) for approval.
- Undertaking regular checks of the works on site for compliance with the EPL, Project approval, CEMP and relevant regulations.
- Review and approval of any environmental management plans for the project or related work activities where approval from DPE (now DCCEEW) is not required.
- Applying for modification to the Project approval in the event of any changes to the Project.

Any amendments to this CEMP must be reviewed and approved by the LMCC Senior Project Manager.

2.2.2 LEAD CONSTRUCTION CONTRACTOR (DARACON)

Project Manager

The Project Manager is responsible for ensuring all works comply with relevant regulatory requirements and that all management and control measures of the CEMP are fully implemented. The Project Manager will ensure that the Project Team understands and implements the requirements of this CEMP for the course of the project.

Daracon's Project Manager will engage only those subcontractors who can satisfy the environmental management requirements of the contract and Daracon's ***Subcontractor Management Procedure IM-PRO-0703-001*** (Refer **Appendix B**) will be applied to select and engage suitable subcontractors. The Project Manager will clearly define the scope of subcontracted work including the subcontractor's duties for:

- Planning, installation and monitoring environmental controls
- Record keeping.

The Project Manager will review the proposed environmental controls of the subcontractors to ensure compatibility with the overall CEMP for the project.

The subcontractor's environmental controls will be subject to the same surveillance as all other controls on the site, which will include weekly checks by the Project Manager.

Environmental Officer

Environmental inspection and monitoring of project activities is arranged by the Environmental Officer who has the authority to stop the work if an adverse impact may occur.

The Environment Officer is responsible for maintaining the CEMP, checking that work on the project complies with its provisions and that the CEMP is kept up to date with changes to legislation and other requirements. The Environmental Officer is responsible for ensuring that the weekly environmental inspections completed through Daracon's ***Weekly Site ENV Inspection FRM.01803*** (Refer **Appendix B**) are completed and to follow up on any non-conformances or close out actions.

The Environmental Officer provides advice to the Project Manager or Project Supervisor on:

- Legislative compliance
- Potential hazards
- Trends and cumulative effects
- Control measure options and implementation
- Inspection and testing procedures.

Project Supervisor

The Project Supervisor is responsible for the day-to-day co-ordination and site control of direct labour, plant, subcontractors and suppliers for construction works and reports to the Project Manager on a daily basis. This especially applies to those activities where adverse environmental impacts may require the installation of specific controls, for which the Project Supervisor is responsible for the correct installation of the controls and their on-going monitoring and maintenance.

The Project Supervisor will ensure that all subcontractor personnel are given Daracon's site induction before starting work and will monitor the Subcontractor's compliance with the approved environmental controls and report any deficiency or non-conformance to the Project Manager.

A Subcontractor Performance Report will be completed for each subcontractor through Daracons ***Subcontractor Supplier Performance Form FRM.01716*** (Refer **Appendix B**), which will include comments on the standard of environmental conformance. The report will be kept in Daracon's Preferred Supplier Register and referenced as part of future subcontractor selections.

Environment and Quality Manager

The Environment and Quality Manager reports to the Managing Director. The Environment and Quality Manager is responsible for the design and implementation of the management system for a project and for authorising all Project Plans before submission to the proponent. The Environment and Quality Manager will ensure that all work is carried out in accordance with the Management System procedures.

The Environment and Quality Manager will establish audit schedules in consultation with the Project Manager and assign personnel to carry out planned audits. Any deviation from the Management System will be reported to the Project Manager for rectification. Trends and cumulative effects from all projects will be assessed and corrective actions determined.

2.2.3 SUBCONTRACTORS

It is the subcontractor's responsibility to obtain approval from Daracon's Project Manager for environmental controls and procedures prior to commencing work on site. The Subcontractor will not disturb those environmental controls already placed by Daracon personnel and any controls that need repair will be immediately reported to Daracon's Project Supervisor. Subcontractors will be required to work under the CEMP and associated control plans (**Appendix C**). Subcontracts will contain the necessary compliance details and all subcontractors will be inducted onto the site including the environmental requirements.

The subcontractor may only enter the site from the designated access points shown on the Traffic Management Plan (**Appendix C**). Any areas where personnel are not allowed to go will be delineated by flagging and or fencing. Subcontractors are expected to monitor their own controls and take corrective action as necessary.

2.3 COMMUNICATION PROTOCOLS

Both formal and informal communication systems will be implemented to ensure that information regarding environmental issues is circulated effectively to relevant personnel both internal and external to the project. Subcontractors will be included in all relevant communication to ensure the compatibility and effectiveness of their systems.

The Project Manager is responsible for the timing and effectiveness of all communication.

Daracon promotes the following initiatives for communication and encourages all personnel to participate enthusiastically:

- Induction
- Toolbox talk
- Pre-start briefing
- Incident reporting and corrective action

2.3.1 INDUCTION

All personnel must have a project specific site induction before working on a particular Daracon site. The induction covers the site-specific hazards and control measures, relevant regulations that apply, a site familiarisation, site safety rules and details of the emergency procedure. The site-specific induction will be developed using ***Site Induction FRM.00610*** (**Appendix B**) as a record of their attendance.

2.3.2 TOOLBOX TALK

Toolbox talks are undertaken to discuss particular work site issues such as changes to work processes, incidents, regulations and general environmental training. A record of these discussions is kept on ***Consultation Record FRM.00904*** (**Appendix B**).

In the event of any revisions to the CEMP, the changes will be communicated to site-based personnel by the Project/Environmental Manager during updated inductions and toolbox talks.

2.3.3 PRE-START BRIEFING

Pre-start briefings are carried out prior to commencement of new or changed construction activities. All relevant work groups will be represented and a record will be kept of the actions agreed during the consultation using ***Consultation Record FRM.00904*** (**Appendix B)**.

2.3.4 INCIDENT REPORTING AND CORRECTIVE ACTION

Environmental incidents are reported, recorded and actioned as described in Section 2.5.1 and 2.7.

2.4 APPROVAL AND LICENSING REQUIREMENTS

In the preparation of this CEMP, due consideration has been given to the applicability of relevant legislation, planning instruments and policies. A summary of the relevant project approvals is provided in **Table 2-2**, while a discussion on the relevant approval conditions for each approval is provided in the following sub-sections. As the project has been approved by the NSW Minister for Planning, a number of other authorisations are not required.

TABLE 2-2 RELEVANT PROJECT APPROVALS

Legislation	Approval
NSW Environmental Planning and Assessment Act 1979	Approval for the works has been granted under Part 3A of the Environmental Planning and Assessment Act 1979 (EP&A Act) on 8 May 2013 (10 0139), with a modification approved on 5 August 2014 (MP 10 0139)
Environment Protection and Biodiversity Conservation Act 1999	Approval for the AWMF expansion was provided by the Department of Sustainability, Environment, Water, Population and Communities on 16 July 2013
Protection of the Environment Operations Act 1997	LMCC holds an existing Environment Protection Licence (EPL) for the AWMF, Licence No. 5873. (EPL) for the AWMF dates 24 February 2014 (EF13/4677)

2.4.1 NSW MINISTER FOR PLANNING APPROVAL

A summary of the NSW Minister for Planning Project approval requirements that are applicable to the construction phase and consequently to this CEMP is provided in **Table 2-3**.

TABLE 2-3 NSW MINISTER FOR PLANNING APPROVAL (10_0139) REQUIREMENTS

Requirement	Reference	Section Addressed in CEMP
The Proponent will ensure that any waste generated on the Site during construction is classified in accordance with the EPA's Waste Classification Guidelines and disposed of to a facility that may lawfully accept the waste.	Schedule 4 Condition 2	Section 3.2.9
During the construction of the Project, the Proponent will implement suitable erosion and sediment control measures on Site, in accordance with the relevant requirements in the latest version of the Managing Urban Stormwater: Soils and Construction guideline.	Schedule 4 Condition 13	Erosion and sediment control plan, (Appendix C)
The Proponent will prepare and implement a Contamination Management Plan for the Project to the satisfaction of the Secretary of the Department. The Plan will: (a) be prepared by a suitably qualified and experienced expert; (b) be submitted to the Secretary of the Department for approval prior to commencement of construction; (c) detail the protocols to be put in place and followed in the event that contaminated soil (including Acid Sulphate Soils) or water is encountered during construction; (d) be prepared in accordance with the relevant best practice industry guidelines such as the NSW State Government's Acid Sulphate Soil Manual (ASSMAC, 1998); (e) detail how excavated soil will be tested, handled and stockpiled; (f) detail the measures that will be employed to prevent erosion and sedimentation of contaminated soil; and if necessary; (g) outline how contaminated soil and water will be disposed of off Site (e.g. at a licenced facility).	Schedule 4, Condition 20	Contamination management plan, (Appendix C)
Dust and odour minimisation: During construction, the Proponent will ensure that: (a) all vehicles on Site do not exceed a speed limit of 25 kilometres per hour; (b) all loaded vehicles entering or leaving the Site have their loads covered; and (c) all loaded vehicles leaving the Site are clean of dirt, sand and other materials before they leave the Site, to avoid tracking these materials on public roads.	Schedule 4, Condition 24	Section 3.2.8
The Proponent will comply with the construction ...hours detailed... unless otherwise agreed in writing by the Secretary of the Department. Monday — Friday: 7.00 am — 6.00 pm Saturday: 8.00 am — 1.00 pm Sunday and Public Holidays: Nil	Schedule 4, Condition 30	Section 1.2.5
The Proponent will prepare and implement a Construction Noise Management Plan in consultation with the EPA and to the satisfaction of the Secretary of the Department. The Plan will: (a) be prepared and implemented by a suitably qualified and experienced person; (b) be submitted for approval by the Secretary of the Department prior to commencement of construction; (c) identify each work area, Site compound and access route (both private and public);	Schedule 4, Condition 31	Construction Noise Management Plan (Appendix C)

(d) identify the specific activities that will be carried out and associated noise sources at the Site and access routes; (e) identify all potentially affected sensitive receivers; (f) include the construction noise and vibration objectives identified in accordance with the NSW Interim Construction Noise Guideline and Assessing Vibration: A Technical Guideline; (g) assess potential noise and vibration from the proposed construction methods (including noise from construction traffic) against the objectives identified in (f); (h) where the objectives are predicted to be exceeded, include an analysis of feasible and reasonable noise mitigation measures that can be implemented to reduce construction noise impacts; (i) describe management methods and procedures and specific noise mitigation treatments that will be implemented to control noise and vibration during construction, including the early erection of operational noise barriers; (j) detail procedures for notifying residents of construction activities that are likely to affect their noise and vibration amenity; and (k) detail measures to monitor noise performance and respond to complaints.		
The Proponent will prepare and implement a Construction Traffic Management Plan, including a Vehicle Movement Plan for the Project in consultation with the RMS and to the satisfaction of the Secretary of the Department. The Plan will: (a) be prepared and implemented by a suitably qualified and experienced person; (b) be submitted for approval by the Secretary of the Department prior to commencement of construction; and (c) be prepared with the intention of having minimal impact to the operation of the road network.	Schedule 4, Condition 38	Traffic management plan (**Appendix C**)
The Proponent will prepare and implement a Cultural Heritage Management Plan (CHMP) to the satisfaction of the Secretary of the Department. The Plan will: (a) be prepared in consultation with the OEH by a suitably qualified and experienced expert; (b) be approved by the Secretary of the Department prior to the commencement of any ground disturbance or development works; (c) be implemented in consultation with the registered Aboriginal parties; (d) detail: • Procedures for managing the Aboriginal cultural heritage values associated with the Project; • The involvement and responsibilities of the Aboriginal stakeholders in the implementation of all cultural heritage management actions; • The responsibilities of all other stakeholders; • All mitigation and management strategies (including monitoring program, further investigations etc.); • Procedures for the identification and management of previously unrecorded sites (including human remains); • An appropriate keeping place agreement with local Aboriginal community representatives for any Aboriginal objects salvaged through the development process; • The Aboriginal Cultural Heritage Education Induction Program for all contractors and personnel associated with construction activities; and	Schedule 4, Condition 45	Cultural heritage management plan (**Appendix C)**

• Compliance procedures in the unlikely event that non-compliance with the CHMP is identified.		
An Aboriginal Cultural Education Induction Program will be developed for the induction of all personnel and contactors involved in the construction activities on Site. Records are to be kept of which staff / contractors were inducted and when for the duration of the Project. The program should be developed and implemented in collaboration with the registered Aboriginal parties.	Schedule 4, Condition 49	Section 2.3.1 **Section 2.6**
The Proponent will implement the biodiversity offset strategy described in the EA and RTS, summarised in Table 3 and shown in Appendix B, to the satisfaction of the Secretary of the Department.	Schedule 4, Condition 50	Biodiversity management plan (**Appendix C**)
Prior to construction, the Proponent will update the biodiversity offset strategy referred to in table 3, in consultation with the Department, OEH and DSWEPAC and to the satisfaction of the Secretary of the Department. The updated strategy should include specific details on the Additional Land, including evidence that the land has been purchased by the Proponent.	Schedule 4, Condition 51	Biodiversity management plan (**Appendix C**)
Prior to construction, the Proponent will enter into a Biobanking Agreement, in accordance with Part 7A of the Threatened Species Conservation Act, 1995, to the satisfaction of the Secretary of the Department. The Biobanking Agreement will: (a) Provide for the long term protection and conservation of the land referred to in Table 3; (b) Describe the obligations of the Proponent for protection and enhancement of the offset areas; and (c) Ensure protection of the land in perpetuity.	Schedule 4, Condition 52	Biodiversity Offset Strategy Approval (**Appendix A**)
Prior to construction, the Proponent will carry out pre-clearing surveys by a suitably qualified and experienced ecologist in accordance with Threatened Biodiversity Survey and Assessment: Guidelines for Developments and Activities (DEC, 2004), to the satisfaction of the Secretary of the Department.	Schedule 4, Condition 53	Biodiversity Management plan (**Appendix C**)
The Proponent will prepare and implement a Translocation Plan for the Project to the satisfaction of the Secretary of the Department. The Plan will: Be prepared by a suitably qualified and experienced expert in consultation with the OEH; Be reviewed by an independent agency that oversees land management outcomes in the region; Be submitted to the Secretary of the Department for approval prior to the commencement of construction; Describe the measures that will be implemented to: translocate and manage fauna species; monitor and report on the success of the translocation; and ensure suitable contingency measures are implemented if the monitoring suggests the translocation is not working as well as intended.	Schedule 4, Condition 54	Biodiversity Management plan (**Appendix C**)
The Proponent will prepare and implement a Vegetation and Fauna Management Plan for the Project to the satisfaction of the Secretary of the Department. The Plan will: (a) Be prepared by a suitably qualified and experienced expert in consultation with the OEH; (b) Be reviewed by an independent agency that oversees land management outcomes in the region;	Schedule 4, Condition 55	Biodiversity management plan (**Appendix C**)

(c) Be approved by the Secretary of the Department prior to the commencement of construction; (d) Map all identified vegetation cover and types; (e) Describe methods for monitoring and controlling vegetation, including prevention of litter and weed invasion into the Offset Areas during construction and operation; (f) Include a Vegetation Clearing Protocol; (g) Identify measures to manage edge effects along the interface of the Offset Areas and landfill sites; (h) Detail management of pest species; and (i) Detail ecological monitoring programs to be implemented.		
The Vegetation Clearing Protocol will: (a) Clearly identify the location and type of vegetation to be retained and to be removed from the Site; (b) Detail measures that will be implemented for vegetation clearing; (c) Ensure vegetation, including trees will not be pushed or felled into any retained bushland areas during the vegetation removal process; and (d) Detail the staging of construction to avoid breeding times for key species on Site.	Schedule 4, Condition 56	Biodiversity management plan (**Appendix C**)
The Proponent will prepare and implement a Construction Environmental Management Plan for the Project to the satisfaction of the Secretary of the Department. The Plan will: (a) Be approved by the Secretary of the Department prior to the commencement of construction; (b) Identify the statutory consents and approvals that apply to the Development; (c) Consolidate all relevant management plans and monitoring programs required in the conditions of this approval; (d) Outline all environmental management practices and procedures to be followed during construction and demolition works associated with the Project; (e) Describe all activities to be undertaken on the Site during construction of the Project, including a clear indication of construction stages; (f) Detail how the environmental performance of the construction works will be monitored, and what actions will be taken to address identified adverse environmental impacts; (g) Describe the roles and responsibilities for all relevant employees involved in construction and demolition works associated with the Project; and (h) Include arrangements for community consultation and complaints handling procedures during construction and demolition.	Schedule 5, Condition 1	This report
From the commencement of the construction of the Project, the Proponent will make the following information publicly available on its website as it is progressively required by the approval: a) A copy of all current statutory approvals; b) A copy of the current plans and programs required under this approval; c) A summary of the monitoring results of the Project, which have been reported in accordance with the various plans and programs approved under the conditions of this approval; d) A complaints register, which is to be updated on a monthly basis;	Schedule 5, Condition 10	

e) A copy of the Annual Reviews (over the last 5 years); f) A copy of any Independent Environmental Audit, and the Proponent's response to the recommendations in any audit; and g) Any other matter required by the Secretary of the Department.		
LMCC will ensure that a Stormwater Management Plan is prepared and implemented for the construction phase of the project to mitigate the impacts on water quality	Appendix A, water quality and hydrology, bullet point 4	Stormwater management plan (**Appendix C**)

2.4.2 EPBC APPROVAL

A summary of the EPBC Project approval requirements that are applicable to the construction phase and consequently to this CEMP is provided in **Table 2-4**.

TABLE 2-4 EPBC APPROVAL REQUIREMENTS (2011/5973)

Approval Condition	Requirement	Approval Status
1	To compensate for the loss of approximately 2,300 Black- eyed Susan (Tetratheca juncea) plants, the person taking the action must provide for the protection and management for conservation the biodiversity offset areas, as shown on the map in Schedule 1 of this notice as 'Biobanking Areas'. The biodiversity offset areas must be protected and managed by a secure and enduring conservation mechanism (for example, a Biobanking Agreement), including legal instrument on the land title, prior to commencement of the action.	All actions associated with this approval have been executed, including notification of restrictive covenant on offset land.
2	The person taking the action must provide evidence to the Department of their compliance with Condition 1, along with offset attributes, shapefiles and textual descriptions and maps to clearly define the location and boundaries of the offset sites, prior to the commencement of the action.	The Project has received approval by the Department of Sustainability, Environment, Water, Population and Communities (**Appendix A**), which covers the EPBC approval requirements.
3	If the person taking the action is unable to comply with Conditions 1 and 2 above they must propose an alternative offset strategy for Black-eyed Susan (Tetratheca juncea) that meets the current Commonwealth EPBC Act Environmental Offsets Policy. The proposed action must not commence until the alternative proposed offset has been approved in writing by the Minister.	
4	Within 30 days after the commencement of the action, the person taking the action must advise the Department in writing of the actual date of commencement.	
5	The person taking the action must maintain accurate records substantiating all activities associated with or relevant to these conditions of approval, including measures taken to implement the offset strategy, and make them available upon request to the Department. Such records may be subject to audit by the Department or an independent auditor in accordance with section 458 of the EPBC Act, or used to verify compliance with the conditions of approval. Summaries of audits will be posted on the Department's website. The results of audits may also be publicised through the general media	
6	Within three months of implementing the above conditions, the person taking the action must publish a report on their website addressing compliance with each of the conditions of this approval.	Report published and available on the LMCC public website.

2.4.3 EPL

LMCC holds and Environment Protection Licence (EPL) ***EPL 5873*** **(Appendix F)** for the AWMF dated 24 February 2014 (EF13/4677). EPL 5873 Final Notice of variation to Licence 1530238 was issued on 23 June 2015 (LMCC TRIM Reference D07469872). The Environment Protection Licence conditions relevant to this CEMP are described in **Table 2-5** below.

TABLE 2-5 EPL CONDITIONS

License Condition	Requirement	Section Addressed in CEMP
P1	Location of monitoring / discharge points and areas	Stormwater management plan
L1	Pollution of waters	Stormwater management plan
L2	Concentration limits	Stormwater and contamination management plans
L4	Noise limits	Noise management plan
M1	Monitoring records	**Section 4.1**
R1	Annual return documents	**Section 2.5.3**
R2	Notification of environmental harm	**Section 2.5.1**
R4	Other reporting conditions	**Section 2.5.5**

2.5 REPORTING

2.5.1 ENVIRONMENTAL INCIDENTS

All environmental incident investigations will be documented in accordance with ***Incident & Corrective Action Management Procedure PRO.014 (*****Appendix B),** and using the online Project Management Platform *'Donesafe'*

After immediate steps have been taken to notify management and control the incident, the site management team must assess the severity and report to the Incident Manager in accordance with the ***Reporting and Investigation PFC.01401*** and ***Incident & Corrective Action Management Procedure PRO.014 (*****Appendix B).** The method of reporting to the Incident manager is dependent on the severity of the incident as outlined below.

Minor Incidents

In the event an incident is minor (Low, Low on the risk assessment scale), notification using the online Project Management Platform *'Donesafe'* - incident and investigation, ***Incident & Corrective Action Management Procedure PRO.014 (*****Appendix B)** is to be given to the Incident Manager within 12 hours of the event. Assessment and further investigation will be conducted by the Incident Manager if required.

The Incident Manager will notify the Injury Management Advisor of all injuries. Their role is to liaise with the treating doctor and develop a return-to-work plan. The incident is then handed to the HSEQ Administrator who records key statistics and notifies appropriate personnel.

Serious Incidents

In the event a serious incident occurs, the Incident Manager is to be notified immediately via verbal notification. The Incident Manager is to coordinate the incident response and immediately notify stakeholders and senior management as outlined in the ***Incident & Corrective Action Management Procedure PRO.014 (*Appendix B).** The Incident Manager must notify site personnel if the site is to remain undisturbed for investigation purposes.

The HSEQ Manager in consultation with the General Manager is responsible for notifying the appropriate regulatory authority as outlined by legislation. If the HSEQ Manager is unavailable, the Incident Manager will liaise with the General Manager regarding notification of the authorities.

SafeWork NSW notification is required for any lost time injuries exceeding seven days of lost work and all serious injuries.

Incident Reporting

Analysis of incident data will be completed by the HSEQ Manager assisted by the Incident Manager, Injury Management Advisor and HSEQ Coordinators as appropriate. The review will:

- Recognise trends and identify problem areas that require addressing
- Prevent recurrence
- Evaluate the effectiveness of control measures, by assessing recurrence of the same or similar incidents
- Monitor the effectiveness of Daracon's Management System
- Records of incidents will be maintained by the HSEQ Administrator with the aid of the Injury Manager

Records of incidents will be kept by the Environmental Representative and will include all actions taken and discussions leading to the determined action. Records will be kept on an online register on the Project Management Platform *'Donesafe'* in accordance with Daracon's ***Incident & Corrective Action Management Procedure PRO.014* (Appendix B).**

'Weekly Incident Summary Reports' will be prepared by the Incident Manager and provided to the Project Manager and Environment and Quality Manager for review and communication to relevant workers. Follow up of close out of incidents will be monitored by the Environment and Quality Manager.

Monthly incident statistics will be prepared and maintained by the HSEQ Administrator and analysed by the Environment and Quality Manager to identify trends. The analysis will include the type and nature of damage, body part affected, environmental aspect, contributing factors and the loss/damage. A monthly report on all incidents will be provided to Senior Management and discussed at the bimonthly Health and Safety Committee and Senior Management Meetings. Other communication and consultation mechanisms such as Toolbox meetings may be utilised to communicate safety trends and performance across the group and to a wider audience.

The Environmental Protection Authority (EPA) will be notified of any environmental incidents or pollution incidents on or around the site via the EPA Environment Line (telephone 131 555) in accordance with Part 5.7 of the Protection of the Environment Operations (POEO) Act if the actual or potential harm to the health or safety of human beings or ecosystems is not trivial.

Written details of the notification must be provided to the EPA within 7 days of the date on which the incident occurred.

2.5.2 ENVIRONMENTAL INSPECTIONS

Environmental inspection reports will be completed by the Site Supervisor or Environmental Representative using the online Project Management Platform *'Donesafe'* & in accordance with Daracon's ***Weekly Site ENV Inspection FRM.01803*** **(Appendix B).** Weekly Site ENV Inspection and made available to the Project Manager via Donesafe. Environmental Inspection Reports will be made available to LMCC on a monthly basis or upon request.

2.5.3 MONITORING REPORTS

Monitoring reports will be prepared to describe the monitoring results for the monitoring described in **Section 4.1**. Monitoring reports will include:

- Introduction
- Statutory requirements
- Methodology
- Findings/Results
- Recommendations

All monitoring results will be summarised in the Monitoring and Complaints Summary of AWMF's Annual Return, which will be submitted to EPA and provided on LMCC's website. A summary of monitoring results, non-conformances and corrective actions will also be submitted by Daracon to LMCC on a monthly basis.

2.5.4 AUDIT REPORTS

Internal audits will be completed by Daracon as required and provided to LMCC for review within two weeks. Internal audit reports will include:

- Introduction
- Statutory requirements
- Methodology
- Findings/Results
- Recommendations

The results of all internal audits will be summarised in the AWMF's Annual Review, which will be submitted by LMCC to DPE (Now - Department of Climate Change, Energy, the Environment and Water DCCEEW) and provided on LMCC's website.

2.5.5 FIRE REPORT

The licensee or its employees or agents must notify the EPA of all fires at the premises as soon as practical after becoming aware of the incident. The licensee must maintain a daily log and record the following data of fires at the site:

- Time and date when the fire was deliberately started or reported
- Whether the fire was authorised by the licensee, and, if not, the circumstances which ignited the fire
- The time and date that the fire ceased and whether it burnt out or was extinguished
- The location of fire (e.g. clean timber stockpile, putrescible garbage cell, etc.)
- Prevailing weather conditions
- Observations made in regard to smoke direction and dispersion
- The amount of waste that was combusted by the fire
- Action taken to extinguish the fire

2.5.6 INFORMATION ACCESS

In accordance with Schedule 5, condition 10 of the Project approval, LMCC will make the following information publicly available on its website from the commencement of construction:

- A copy of all current statutory approvals
- A copy of the current plans and programs required under the Project approval
- A summary of the monitoring results of the Project, reported in accordance with the various plans and programs approved under the conditions of the Project approval
- A complaints register, which is to be updated on a monthly basis
- A copy of the Annual Reviews (over the last 5 years)
- A copy of any Independent Environmental Audit, and LMCC's response to the recommendations in any audit
- Any other matter required by the Secretary of the Department

2.6 ENVIRONMENTAL TRAINING

All personnel working on the site will be provided access to the CEMP and be made aware of specific management controls relevant to the work they are performing. All personnel will undertake a site induction and be made aware of:

- Relevant details of the CEMP including purpose, objectives and mitigation measures for the control of environmental issues
- Key environmental issues
- Conditions of environmental licences, permits and approvals (where applicable)
- Specific environmental management requirements and responsibilities
- Incident and emergency response and reporting requirements
- The location of environmentally sensitive areas in relation to the planned works

It is also required that an Aboriginal Cultural Education Induction program be developed in collaboration with the registered Aboriginal parties and provided to all staff as part of the induction. The training presentation to be provided is included in **Appendix D**.

Additional targeted environmental training for specific personnel will also be required for certain roles, such as emergency response managers and those handling hazardous materials. The Daracon Qualifications Matrix contained in the Daracon Project Management Plan outlines the expected qualifications and training requirements for project personnel. It will be kept current with any additional training that may become necessary during the course of the work. Records of training done on site will be kept in the project file system including dates, personnel attending, training content and trainer details.

Records of site inductions will be kept including dates, names, duration employed for project and attendee details. Inductees will be required to sign-off that they have been informed of the environmental issues contained in the CEMP and that they understand their responsibilities.

Onsite training is an ongoing activity (via toolbox talks). Toolbox talks will be used to pass on information relating to new or changed work procedures, safe work methods, emergency procedures, inspection and testing requirements, etc.

Subcontractors will be inducted into the Daracon system, and if their works require such, they will be required to submit relevant work method statements with associated environmental protection measures.

2.7 EMERGENCY AND INCIDENT PROCEDURES

Emergencies, which affect or may affect the safety of employees or the public, are to be dealt with in accordance with Daracon's Project Safety Management Plan.

Emergencies that relate to environmental hazards are to be dealt with according to ***Incident & Corrective Action Management Procedure PRO.014*** **(Appendix B).** Reporting protocols will be displayed in crib rooms on ***Reporting and Investigation Flowchart PFC.01401*** **(Appendix B).**

2.7.1 COMPLAINT PROCEDURE

A complaint handling procedure is in place for this work site with the initial point of contact for complaints from the local community being the Superintendent. All complaints will be handled in accordance with procedure ***Incident & Corrective Action Management Procedure PRO.014*** **(Appendix B).** and recorded in a complaints register. At the discretion of the Environment and Quality Manager, an Environmental Investigation Report ('Donesafe') & in accordance with Daracon's ***Reporting and Investigation Flowchart PFC.01401*** **(Appendix B)** will be conducted.

All personnel will be made aware of the following basic steps in handling a complaint:

1) Response to complainant - Daracon personnel will show courtesy and respect to anyone making a complaint and offer to record the details so that it can be investigated.

2) Immediate action - Anyone receiving a complaint must notify the Project Supervisor or Site Manager immediately. Site Managers will stop related construction activities as soon as they are notified of any adverse environmental effects caused by the work. Emergency responses will be implemented where there is a danger to people or possible pollution of the environment.
3) Liability - No Daracon worker will make a statement as to liability or responsibility arising from any incident or complaint. Commitments to rectification or compensation can only be made with the approval of the Managing Director or General Manager.
4) Media - The Managing Director is the only Daracon person authorised to speak with media representatives. Any approach by the media must be directed to the Managing Director or client.
5) Records - In serious cases the Site Manager will telephone details immediately to their Divisional Manager or the Managing Director. Complaints will be recorded on Daracons online Project Management Platform 'Donesafe'. Conversations with complainants will be recorded on an ***Interview Record IM-FOR-0800-001*** (**Appendix B**) especially noting:

- The name and contact details of the parties involved
- Any resulting decisions or commitments

6) Investigation - Significant complaints will be investigated by Senior Managers and corrective actions determined to avert any repeat incident.
7) Corrective action - The Site Manager is responsible for implementing corrective actions and to monitor their effectiveness. Where the response is not fully effective, the Site manager will make adjustments in consultation with the Divisional Manager.
8) Follow up action - The Site Manager will provide feedback to the complainant to explain the resulting outcomes and confirm their effectiveness.

A record of each incident will be retained in the hardcopy onsite in the book. A summary record of all complaints for each site is kept at head office.

2.7.2 INCIDENT PROCEDURE

In the event of an environmental incident, the first priority will be to ensure the safety of all personnel and the public. If necessary, clear the area of people and traffic, then set up barricades to prevent further access.

Where possible personnel will take action to identify, control and contain any pollution. Daracon personnel will not attempt further action without the approval of the client.

The Site Manager, Project Manager, Incident Manager and Client will be notified immediately as per ***Reporting and Investigation Flowchart PFC.0140*** **(Appendix B).** The Project Manager is to notify emergency services if required. The Environment Protection Authority is to be notified immediately by the Environment and Quality Manager in the event of a major environmental incident, as described in **Section 2.5.1**.

In addition to the above requirements, Daracon will undertake all incident response actions in accordance with Lake Macquarie City Council's Pollution Incident Response Management Plan (PIRMP) **(Appendix E).**

2.7.3 SPECIFIC EMERGENCY RESPONSES

Fuel and Chemical Spill

Absorbent material such as granules will be stored on the site for the clean-up of minor spills and leaks. Larger spills may require temporary bunding or other measures to contain the chemical and prevent its escape into drains or waterways.

Safety Data Sheets for each chemical substance held on site will be kept in a register in the site office. The storage location of hazardous substances will be recorded on the work site plan to facilitate response by emergency services personnel.

Fire

In order to respond to any environmental emergency, appropriate firefighting equipment will be kept in mobile plant and vehicles.

Waste Disposal

Personal injury from waste material will be dealt with according to Daracons Safety Management Plan.

Contaminated Material

If contaminated material is identified the area will be cordoned off while investigation and remediation is done in accordance with the Contamination Management Plan (**Appendix C**).

Pollution of air and water

Initial response to pollution events will be to cease any construction activity that may be contributing to the situation and contain the source of pollution. The Supervisor must be notified immediately and will advise on further action.

Security

Entry to site offices by unauthorised personnel, burglary and theft of property will be reported to the Project Manager immediately who will notify authorities. The site will be cordoned off to prevent the site being disturbed before police arrive.

2.7.4 EMERGENCY CONTACT NUMBERS

Telephone numbers of relevant authorities and company personnel will be on display adjacent to all site telephones. Key emergency contact numbers comprise:

TABLE 2-6 EMERGENCY CONTACT NUMBERS

Contact	Telephone Number
Project Manager — Richard Baker	0491 168 707
Client Representative — Tess Dziwulski	0417 652 661
Police, Ambulance and Fire	000
Environment Protection Authority	131 555
LMCC Environmental Officer (AWMF Manager)	(02) 4921 0333
Daracon Group Beresfield Office	(02) 4974 9200

2.7.5 EMERGENCY DRILL AND REPONSE PLAN

An emergency environmental drill will be planned during the early stages of the works to:

- Highlight deficiencies in overall site emergency procedures
- Assure site management of emergency response capability
- Reinforce and test ongoing site training in site emergency protocols, such as that delivered at inductions, toolbox talks etc.

The frequency and timing of emergency drills will be determined at the same time that the initial environmental risk assessment is undertaken. If appropriate, it may be the case that an environmental emergency drill can be undertaken in conjunction with, and at the same time as, a planned work health and safety emergency drill.

It will be the responsibility of the Project Manager, or his delegate, to ensure that all actions associated with this clause are adhered to.

3 IMPLEMENTATION

3.1 RISK MANAGEMENT

There are a number of potential hazards or risks that require consideration during construction. Key hazards and risks to the environment associated with the construction of the Project are described Table 3-1.

TABLE 3-1 CONSTRUCTION ENVIRONMENTAL HAZARDS AND RISKS

Hazard / Risk	Target	Environmental Control
Pollution of surface and groundwater from erosion	Avoid pollution of surface water and groundwater	Erosion and sediment control plan, Stormwater management plan
Leaks and spills of hazardous material causing pollution to soil and water, or uncovering / spreading of existing contamination	Avoid contamination of soil and water	Contamination management plan
Excess noise and vibration causing disturbance to the local community	No complaints received regarding noise and vibration	Construction noise management plan
Generation of dust, gaseous emissions or odours	Minimise dust emissions from the project. No complaints received regarding dust	Air quality control plan
Loss or destruction of existing cultural heritage objects	Avoid impact to identified heritage items and any potential unidentified items or sites	Cultural heritage management plan
Loss or impact to biodiversity, including Endangered Ecological Communities, populations, threatened flora and/or threatened or protected fauna, or migratory species	Avoid and minimise impacts to biodiversity with no impact within any no go areas.	Biodiversity management plan and offset strategy
Impact to traffic causing delays and annoyance to road users	No complaints received regarding traffic and transport	Traffic management plan
Generation of large volumes of waste materials and inappropriate disposal of waste causing broader impacts	Minimise waste resulting from the project and manage waste storage and disposal appropriately.	Waste management plan

3.2 ENVIRONMENTAL MANAGEMENT ACTIVITIES AND CONTROLS

3.2.1 EROSION AND SEDIMENT CONTROL

A site-specific Erosion and Sediment Control Plan has been prepared (refer **Appendix C**) to provide guidance for the erosion and sediment control measures to be implemented and maintained during the ongoing construction and management of the site.

These measures will be monitored as part of environmental monitoring and review (**Section 4**).

3.2.2 CONSTRUCTION NOISE AND VIBRATION

A site-specific Construction Noise and Vibration Management Plan has been prepared (refer **Appendix C**) to provide guidance for the noise and vibration measures to be implemented and maintained during construction of the site.

These measures will be monitored as part of environmental monitoring and review (**Section 4**).

3.2.3 CONTAMINATION

A site-specific Contamination Management Plan has been prepared for the site which outlines the contamination management measures to be implemented on site during the construction, this plan is attached in **Appendix C**.

These measures will be monitored as part of environmental monitoring and review (**Section 4**).

3.2.4 STORMWATER

A site-specific Stormwater Management Plan has been prepared for the site that outlines the surface water and stormwater management measures to be implemented on site during construction (attached in **Appendix C**).

These measures will be monitored as part of environmental monitoring and review (**Section 4**).

3.2.5 CULTURAL HERITAGE

A site-specific Cultural Heritage Management Plan (Insite Heritage 2015) has been prepared for the project, which outlines the cultural heritage management measures to be implemented on site during construction (attached in **Appendix C**). This plan was approved by DPE (now DCCEEW) on 3 July 2015 (**Appendix A**).

3.2.6 BIODIVERSITY

The site-specific biodiversity management measures to be implemented on site during the project are detailed in the following documents:

- Biodiversity Management Plan, which incorporates the pre-clearance survey, translocation plan, vegetation and fauna management plan and vegetation clearing protocol requirements (**Appendix C**)
- Biodiversity offset strategy (**Appendix C**).

These measures will be monitored as part of environmental monitoring and review (**Section 4**).

3.2.7 CONSTRUCTION TRAFFIC AND TRANSPORT

A site-specific Traffic Management Plan (Daracon, 2026) has been prepared for the project which outlines the traffic and transport management measures to be implemented on site during the project (refer **Appendix C**). Specific Vehicle Movement Plans will be completed progressively as construction staging proceeds.

These measures will be monitored as part of environmental monitoring and review (**Section 4**).

3.2.8 CONSTRUCTION AIR QUALITY CONTROL PLAN

A specific sub-plan for air quality is not required as part of the approval conditions. However, measures to manage and control impact to air during construction are provided in **Table 3-2**. These measures will be monitored as part of environmental monitoring and review (**Section 4**).

TABLE 3-2 AIR QUALITY MANAGEMENT MEASURES

Management Measure	Person Responsible	Timing/Frequency
The speed of all vehicles along unsealed public roads, road reserves, private access roads and fire trails will be kept below 25 km/h, or less, as necessary to minimise the generation of dust.	Project manager	Ongoing during construction
All loaded vehicles entering or leaving the site will have their loads covered.	Project manager/ foreman	Ongoing during construction
All loaded vehicles leaving the Site will be clean of dirt, sand and other materials before they leave the Site, to avoid tracking these materials on public roads.	Project manager/ foreman	Ongoing during construction
The area of soil surface disturbed will be kept to the minimum amount necessary to complete the works.	Project manager	Ongoing during construction
Equipment, machinery and vehicles used on site will be maintained to manufacturer's specifications to minimise potential emissions.	Project manager/ foreman	Ongoing during construction
Work vehicles/machinery will not be left running or idling when not in use.	Project manager/ foreman	Ongoing during construction
The number and distance of transport of load trips will be minimised wherever possible to reduce risk of dust generation and fuel consumption.	Project manager/ foreman	Ongoing during construction
Vegetation or other materials will not be burnt on site	Project manager	Ongoing during construction at completion of construction
Disturbed areas will be progressively restored as soon as practicable	Project manager	Progressively rehabilitated as areas are completed
Dust generating works will not be carried out/suspended where unacceptable evels of dust are observed leaving the site due to adverse meteorological conditions.	Project manager/ foreman/ Environmental Officer	Ongoing during construction
Minimise the number of stockpiles on site wherever possible.	Project manager	Ongoing during construction
Utilise a water cart to dampen surfaces prior to grading / scraping.	Project manager/ foreman/ Environmental Officer	Ongoing during construction
Install, operate and maintain dust control measures and/or equipment on the following: • All processing equipment • Internal haul roads and disturbed areas Truck loading areas and, All stockpiles including raw material, product topsoil, and overburden. Control measures will include water sprays, compaction and coverings.	Project manager/ foreman/ Environmental Officer	Ongoing during construction

Dirt that has been tracked onto public sealed roads should be cleaned as soon as practicable.	Project manager/ foreman/ Environmental Officer	Ongoing during construction

3.2.9 WASTE

A specific sub-plan for waste management during construction is not required as part of the approval conditions. However, measures to manage and control waste impact during construction are provided in **Table 3-3**. These measures will be monitored as part of environmental monitoring and review (**Section 4**).

TABLE 3-3 WASTE MANAGEMENT MEASURES

Management Measure	Person Responsible	Timing/Frequency
The following resource management hierarchy principles will be followed: • Avoid unnecessary resource consumption as a priority • Avoidance is followed by resource recovery (including reuse of materials, reprocessing, recycling and energy recovery) • Disposal is carried out as a last resort	All Staff	Ongoing during construction
The additional facilities at the AWMF will be constructed out of recycled materials, wherever possible.	Project Manager	Procurement
When procuring materials, methods to minimise packaging and waste will be incorporated, including bulk purchase (but without procuring more than will be used), choosing supplies with recyclable or reusable packaging, choose products with less packaging or purchasing recycled goods.	Project Manager	Procurement
Any waste generated on the site during construction will be classified in accordance with the EPA's Waste Classification Guidelines and disposed of to a facility that may lawfully accept the waste.	Project Manager	Ongoing during construction
Waste receptacles will be provided according to the type of waste expected to be generated during construction, with appropriate segregation of different waste types. Waste receptacles should be appropriately labelled, covered and placed in locations away from sensitive receptors, but close to waste generation areas. No waste is to be disposed outside of the designated receptacles.	Project Manager	Ongoing during construction
Waste materials generated during the construction phase will be recycled or reused wherever possible in the first instance. The majority of waste produced will be processed on site at the AWMF and will be diverted to the reuse centre or offsite to third parties, where appropriate.	Project Manager	Ongoing during construction
During construction the site will be kept clear of unnecessary construction waste. Waste materials generated during the construction phase will be recycled or reused wherever possible in the first instance.	All Staff	Ongoing during construction
No waste generated by the project will be burnt. Waste material, other than vegetation and tree mulch, will be appropriately disposed of at site once the works have been completed.	Environment and Quality Manager	Ongoing during construction

Stockpile and reuse soil and vegetation required to be excavated/cleared for the new landfill cells and either reuse these resources as daily cover material for the active tipping face (soil) or process as green waste and use as mulch (vegetation)	Project Manager	Ongoing during construction
Wherever practical, place any felled trees or tree limbs in nearby surrounding bushland to act as potential habitat for fauna and reduce the volume of green waste.	Project Manager	Ongoing during construction

3.3 ENVIRONMENTAL SCHEDULES / PROCEDURES

A copy of Daracon's relevant environmental management procedures as referenced throughout the document are provided in **Appendix B** and comprise:

- Site Induction Template FRM.00610
- Incident & Corrective Action Procedure PRO.014
- Subcontractor and Supplier Management IM-PRO-0703-001
- Subcontractor and Supplier Performance Report FRM.01716
- Reporting and Investigation Flowchart PFC.01401
- Weekly Site ENV Inspection FRM.01803
- Interview Record IM-FOR-0800-001
- Environmental Management IM-PRO-0500-001
- Control of Non-Conforming Product IM-PRO-1407-001
- Records & Document Management Procedure PRO.004
- Consultation Record FRM.00904 (Book)
- Inspection & Monitoring of Workplaces PRO.018

4 MONITORING AND REVIEW

4.1 ENVIRONMENTAL MONITORING

The environmental monitoring schedule provides an outline of the monitoring programme to address practicable measures to prevent and minimise harm to the environment as a result of the project (see **Table 4-1**).

TABLE 4-1 ENVIRONMENTAL MONITORING SCHEDULE

Environmental Parameter	Frequency	Type of Monitoring
Water quality	Prior to discharge from sediment pond or other storage areas to receiving waterways.	Sampled for pollutants and TSS in accordance with the EPL — refer to the Erosion and Sediment Control Plan (**Appendix C**)
Contamination	Weekly	During the weekly inspections, a visual assessment for any signs of contamination or asbestos will be undertaken. In the event that any suspected contamination is identified, the contamination management plan will be referred to for relevant actions (**Appendix C**)
Traffic	Daily	Monitor performance of traffic control facilities to confirm effectiveness of methods, equipment and controls.
	Once a month during the first three months of the project and once every three months thereafter	A formal review of the traffic management plan and associated documentation by the Project Manager.
Aboriginal heritage	During all proposed surface and subsurface excavations	A monitoring and collection program will be undertaken by the Registered Aboriginal Parties during all proposed surface and subsurface excavations to allow collection of any artefacts that may be disturbed in this area (with subsequent relocation and reburial “in country" and in a location that will not be subject to any future impacts). Refer to the Cultural Heritage Management Plan (**Appendix C**).
	During initial ground disturbance	LMCC will provide an opportunity for the Registered Aboriginal Parties to monitor the initial ground disturbance works associated with all sections of the excavations (ground surface impacts) so that any potentially impacted artefacts may be collected by the Registered Aboriginal Parties.
Biodiversity	Quarterly during construction	Regular inspections of the construction site will be undertaken to identify actual or potential flora and fauna management issues of concern. This will include an audit of the implementation of management measures described in the biodiversity management plan (**Appendix C**) in addition to vegetation condition, weed control practices and any signs of impact to fauna. Any identified issues should be addressed as soon as practicable.

	Ongoing throughout construction (entry and exit points)	Plant, trucks and other vehicles should be inspected for soil and weeds and cleaned as necessary before moving to or from the works areas
Air quality	Weekly	During the weekly inspections, a visual assessment of dust levels will be completed. In the event of high levels of visible dust, an investigation into the source of the impact will be completed and management measures incorporated accordingly.
Noise and Vibration	Weekly	During the weekly inspections, an anecdotal assessment of noise and vibration levels at the site boundary will be undertaken. In the event of high levels of noise or vibration, an investigation into the source of the impact will be completed and management measures incorporated accordingly.
	In the event of a complaint, or anecdotal observation of high noise / vibration levels	Noise monitoring for a 15 minute duration at the location of the complaint / high noise observation in addition to the closest boundary location and the closest sensitive receiver location. Vibration monitoring at the boundary closest to the complaint.
Waste	Weekly	During the weekly inspection, an assessment of waste management practices will be undertaken. This will include an visual inspection for appropriate waste disposal, storage and transfer.

In accordance with the EPL, all monitoring data collected must be:

a) In a legible form, or in a form that can readily be reduced to a legible form.
b) Kept for at least 4 years after the monitoring or event to which they relate took place.
c) Produced in a legible form to any authorised officer of the EPA who asks to see them.
d) The following records must also be kept in respect of any samples required to be collected for the purposes of the EPL:
e) The date(s) on which the sample was taken.
f) The time(s) at which the sample was collected.
g) The point at which the sample was taken.
h) The name of the person who collected the sample.

4.2 ENVIRONMENTAL INSPECTIONS

Environmental inspections are to be completed in accordance with the following schedule:

- Weekly
- Following rain events

The inspections will be completed weekly by the Environment Officer using the online Project Management Platform '*Donesafe*' in accordance with Daracon's ***Weekly Site ENV Inspection FRM.01803*** (**Appendix B**) – Weekly Site ENV Inspection Environmental and made available to the Project Manager on '*Donesafe*'. The purpose is to ensure that all control measures are in place and working effectively and also to identify where additional control measures may be required.

Following each rain event, site environmental controls will be inspected by the Environmental Coordinator and any necessary maintenance done as soon as practicable. A record of the inspection and maintenance will be kept on '*Donesafe*' in accordance with Daracon's ***Weekly Site ENV Inspection FRM.01803*** (**Appendix B**).

4.3 ENVIRONMENTAL AUDITING

Internal audits will be undertaken as required by the Environment and Quality Manager in consultation with the Project Manager. The audit will address all the requirements of the CEMP and sub-plans, including relevant site visits and review of paperwork including training records. Any non-conformances will be forwarded to the Project Manager for attention and corrective action and the findings will be included in the AWMF Annual Return submitted to the EPA by LMCC.

4.4 CORRECTIVE AND PREVENTATIVE ACTIONS

Managing environmental non-conformance and the associated corrective / preventive actions are an essential part of Daracon Group's continuous improvement program ***Control of Non- Conforming Product IM-PRO-1407-001*** **(Appendix B)** and ***Incident & Corrective Action Management PRO.014*** **(Appendix B)** and require a proactive approach to eliminate sources of poor performance throughout the organisation.

It is the Project Manager's responsibility to ensure that:

- Any conditions that have caused or could cause non-conformance be promptly investigated, documented, evaluated and corrected in order to eliminate future failure.
- Reworked or repaired product will be inspected or tested as defined in the relevant inspection and test plans and to the Superintendent's satisfaction.
- Corrective / preventive action be monitored to ensure that it has been effective and the response commensurate with the risk.

Non-conformances other than simple re-work will be notified to the Superintendent within 2 working days.

4.5 CEMP DOCUMENT CONTROL AND REVIEW

This CEMP is a controlled document and will be managed in accordance with ***Records & Document Management Procedure PRO.004*** **(Appendix B).** Each person receiving a controlled copy of the CEMP is responsible for keeping the CEMP in good order and incorporating changes as they are distributed.

As the CEMP forms an integral part of the Conditions of Consent for the Development, no amendments to the CEMP will be issued until the following approvals are obtained:

1. Relevant authorities e.g. DPE (now DCCEEW)

2. Daracon Project Manager

3. LMCC's Representative

The Project Manager and Environmental Coordinator are responsible for maintaining all environmental management documentation have authority to issue amendments to this document.

The Environmental Coordinator is also responsible for keeping copies of the following records:

- All monitoring, inspection and compliance reports
- Any correspondence with public authorities
- Induction and training records
- Reports on environmental incidents, other environmental non-conformances, complaints and follow-up action
- Community engagement information

Minutes of CEMP review meetings and evidence of any action taken.

4.5.1 PERIODIC REVIEW

This plan is to be reviewed once every three months, if there is a significant change in works, LMCC requirements, or following audit findings. It is the Project Manager's responsibility to ensure the plan is reviewed and the necessary changes are made. All significant changes to the CEMP must be reviewed by the Environment and Quality Manager and approved by the Project Manager.

Additionally, in accordance with Schedule 5, Condition 5, this CEMP will be reviewed, and if necessary revised, within 3 months of the submission of an:

- Audit under condition 9 of schedule 5 of Project Approval 10_0139
- Incident report under condition 7 of schedule 5 of Project Approval 10_0139
- Annual review under condition 5 of schedule 5 of Project Approval 10_0139

Any revisions of this CEMP must be undertaken in accordance with Daracon's ***Records & Document Management Procedure PRO.004*** **(Appendix B)** and determined satisfactory by the Secretary of the Department.

5 REFERENCES

- Acid Sulfate Soil Management Advisory Committee (ASSMAC) (1998) Acid Sulfate Soil Manual.
- Cardno (2012) Additions to Awaba Waste Management Facility: Environmental Assessment.
- Report prepared for Lake Macquarie City Council.
- Daracon (2026) Traffic Management Plan. Report prepared for Lake Macquarie City Council.
- Department of Environment and Conservation (DEC) (2004) Threatened Biodiversity Survey and Assessment: Guideline for Developments and Activities. November 2004, Sydney.
- GHD (2014) Awaba Waste Management Facility Sediment and Erosion Control Plan. Report prepared for Lake Macquarie City Council.
- Lake Macquarie City Council (LMCC) (2025) Pollution Incident Response Management Plan.

6 TERMS AND ACRONYMS

Term / acronym	Description
ASS	Acid Sulfate Soils
AWMF	Awaba Waste Management Facility
CEMP	Construction environment management plan
Daracon	Daracon Group
DN	Diameter nominal
DCCEEW	Department of Climate Change, Energy, the Environment and Water
EPA	Environment Protection Authority
EPBC Act	Environment Protection and Biodiversity Conservation Act 1999
EPL	Environment protection license
GCL	Geosynthetic clay liner
ha	Hectares
HSEQ	Health, Safety, Environment and Quality
km	kilometers
LMCC	Lake Macquarie City Council
m	meter
mm	millimeter
m^3	meters cubed
ML	Mega liters
NSW	New South Wales
QA	Quality assurance
TSS	Total suspended solids

APPENDIX A Project Approvals

APP.1.1 Project Approval

App.1.1 - Project Approval.pdf

APP.1.2 Project Approval Appendices

App.1.2 - Project Approval Appendicies

APPENDIX B Daracon Management Procedures

APP.2.1 FRM.00610 Site Induction Template

APP1.1 - Site Induction Template.pc

APP.2.2 FRM.00904 Consultation Record

FRM.00904 Consultation Record.p

APP.2.3 FRM.01716 Subcontractor Supplier Performance

FRM.01716 Subcontractor Supplie

APP.2.4 FRM.01803 Weekly Site ENV Inspection

FRM.01803 Weekly Site ENV Inspection.pc

APP.2.5 IM-FOR-0800-001 Interview Record

IM-FOR-0800-001 Interview Record.pdf

APP.2.6 IM-PRO-0500-001 Environmental Management

IM-PRO-0500-001 Environmental Manag

APP.2.7 IM-PRO-0703-001 Subcontractor and Supplier

IM-PRO-0703-001 Subcontractor and Su

APP.2.8 IM-PRO-1407-001 Control of Non-Conforming Product

IM-PRO-1407-001 Control of Non-Confc

APP.2.9 PFC.01401 Reporting and Investigation

PFC.01401 Reporting and Investigation.pdf

APP.2.10 PRO.004 Records & Document Management

PRO.004 Records & Document Manageme

APP.2.11 PRO.014 Incident & Corrective Action Management

PRO.014 Incident & Corrective Action Mar

APP.2.12 PRO.018 Inspection & Monitoring of Workplace

PRO.018 Inspection & Monitoring of Work

APPENDIX C Environmental Control Plans

APP.3.1 Acid Sulfate Soils Management Plan

APP3.1 - ASSMP_Rev2.pdf

APP.3.2 Contaminated Lands Management Plan

APP3.2 - CSMP_Rev2.pdf

APP.3.3 Erosion and Sediment Control Plan

APP3.3 - ESCP_Rev2.pdf

APP.3.4 Noise and Vibration Management Plan

APP3.4 - NVMP_Rev2.pdf

APP.3.5 Salinity Management Plan

APP3.5 - SMP_Rev2.pdf

APP.3.6 Surface and Stormwater Management Plan

APP3.6 - SSMP_Rev2.pdf

APP.3.7 Cultural Heritage Management Plan

APP3.7 - Cultural Heritage MP.pdf

APP.3.8 Biodiversity Management Plan

APP3.8 Biodiveristy Management Plan.pdf

APP.3.9 Biodiversity Offset Strategy

APP3.9 - Biodiversity Offset Strategy.pdf

APP.3.10 Traffic Management Plan

APP3.10 - TMP_Rev2.pdf

APP.3.11 Asbestos Removal Control Plan (Example)

APP3.11 - Asbestos Removal Control Plan

APP.3.12 Asbestos Removal Permit (Example)

APP3.12 - ASB Removal Permit_Exan

APPENDIX D Aboriginal Cultural Heritage Awareness Training

2017.08.09 - ACH Awarness Training.pd

APPENDIX E LMCC Pollution Incident Response Management Plan

LMCC - PIRMP.pdf

APPENDIX F LMCC EPL (5873)

EPL - 5873.pdf