

CONSTRUCTION WASTE MANAGEMENT SUB PLAN

ADCO CONSTRUCTIONS
1 Noorebar Ave, Griffith NSW 2680
Griffith Base Hospital
MOITS Job No. 22-008

MOITS
ABN: 76 074 571 510

Address: 142 Wicks Road Macquarie Park NSW 2113
Correspondence: PO Box 4037, Macquarie Centre, North Ryde NSW 2113

MOITS

> Demolition
> Civil
> Roadworks
> Excavation

> Piling
> Shoring
> Drainage
> Remediation



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1.0 Document Control

Amendments to this Environmental Management Plan are approved by the HSEQ Manager and distributed to all holders of controlled copies.

Date	Name of Recipient	Organisation
13/09/2022	Josh Innes	ADCO
13/09/2022	Andrew Crotty.	Crottys Excavation
13/09/2022	Stephen Violi.	Riverina Skips

Uncontrolled copies of this plan may be distributed to Moits personnel. However, these copies are not subject to automatic amendment and the receiver should verify currency of the document. Revisions to this Management Plan shall be made as required to reflect the current system requirements or the requirements of the Principal Contractor.

Revision	Date	Description	Page	Reviewed By	Approved By
2.0	14/09/2022	Update Team members, Contact details, subcontractor details, Compliance table added has attachment	1, 4, 6, 7, 13	Guillermo Pestana	Aleks Trajveski

2.0 Company Contact Details

Company Details	
Company Name	Moits
ABN	76 074 571 510
Address	142 Wicks Road Macquarie Park NSW 2113
Phone	02 8026 1700
Fax	
Email	info@moits.com.au

2.1 Site Contact Details

Name	Position/Role	Contact Number	Contact Email
Aleks Trajceviski	Senior Project Manager	0457 132 398	Aleks.trajceviski@moits.com.au
Hammad Baig	Project Engineer	0434 422 034	Hammad.Baig@moits.com.au

Maurice Gittany	Site Supervisor	0405 703 533	Maurice.gittany@moits.com.au

3.0 Environmental Policy

N Moit & Sons (NSW) Pty Ltd strongly believes that protecting our environment is not just a moral and legal responsibility but also an investment for our future and a prerequisite for us to achieve our primary mission of conducting demolition, excavation and civil construction to the highest standards. Moits will take all reasonable and practical steps to minimize the ecological footprint our activities place on the environment by:

- Ensuring compliance with all applicable environmental laws, regulations, standards and other requirements applicable to our operations and maintaining our Environmental Management System in accordance with ISO 14001.
- Ensuring all employees and contractors are fully aware of their environmental responsibilities and that they take reasonable care to avoid adversely impacting on the environment through any act or omissions at work.
- Implementing risk identification and hazard management systems which are relevant and suitable for Moits operational and business exposures.
- Maintaining relevant procedures, systems, information, training, recognition programs and organisational structures to support and communicate effective environmental management practices in line with company environmental objectives and targets
- Establishing and implementing procedures to ensure continued improvement in environmental compliance
- Encourage the reduction of waste and consumption of natural resources in our operations by purchasing environmentally friendly products and recycling waste wherever possible.
- Reduce energy consumption by using energy efficient products and encouraging our employees and contractors to turn off equipment from the principle power supply when not required and economically viable.
- Substituting, where practicable, environmentally harmful substances with less harmful products and providing adequate waste disposal facilities and practices for those substances that cannot be re-used or recycled.
- Effectively managing and investigating all environmental incident occurrences and ensuring that practical management and rehabilitation practices are adopted.

This policy is applicable to all Moits personnel and contractors conducting business at a Moits worksite.



MICHAEL MOIT
14 May 2021

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4.0 Objectives and Targets

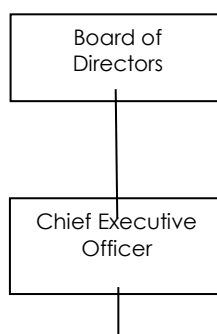
The Objective of this EMP is to provide a documented plan for management and minimisation of potential environmental impacts that the works may have on the environment through the identification of risks and control measures for Griffith base hospital.

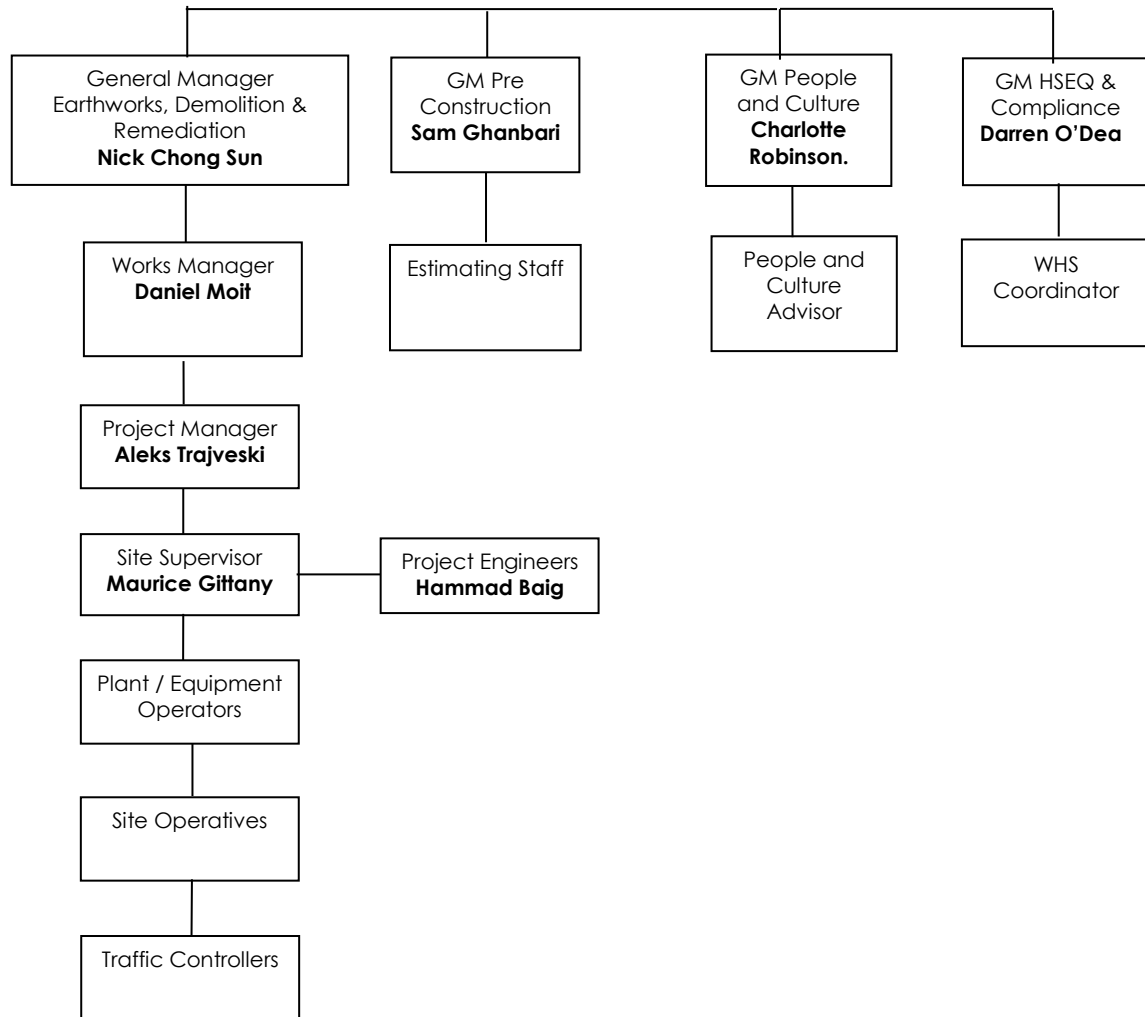
The Target is to have no environmental incidents whilst conducting work for the Principal Contractor on the Project.

5.0 Scope of Works

Demolition and Bulk excavation of the Griffith Base Hospital

6.0 Project Organisation Chart





7.0 Roles and Responsibilities

The responsibilities of the key staff associated with this project will be as follows:

7.1 General Manager Earthworks, Demolition & Remediation

Nick Chong Sun – 0477 262 555

- Approved project environmental policy.
- Overall responsibility for environmental management
- Provision of adequate resources
- Ensure understanding and compliance with environmental legislation/regulations
- Demonstrate a commitment to environmental management

7.2 Works Manager

Daniel Moit – 0412 444 405

- Prepare and implement Project Environmental Management Plan and EWMS
- Ensure non-conformances are rectified
- Monitor overall environmental management performance including EWMS
- Report compliance with regulatory and contractual requirements for client and authorities
- Ensure sub-contractors and employees comply with Moits Project Environmental Management Systems.
- Provide relevant training and conduct documented toolbox meetings where works have the potential to cause environmental harm
- Notify Principal Contractor of any environmental incidents and conduct incident investigations as required
- Ensure corrective actions resulting from incident investigations are completed
- Participate in any incident investigation as required
- Communication of environmental performance to Project Manager

7.3 Site Supervisor

Maurice Gittany – 0405703533

- Implement project Environmental Management Plan
- Monitor site works and use environmental checklist/s where appropriate
- Ensure sub-contractors and employees comply with Environmental Management Plan requirements.
- Report any environmental issues to the Site Manager
- Assist in the development of EWMS for the project
- Implementation of controls required by EWMS
- Make sure that work activities are carried out in an environmentally sound manner
- Actioning environmental inspection reports received from the Principal Contractor

- Communicate performance to the Site Manager

7.4 Employees/subcontractors

- Ensure compliance with directions given regarding environmental management and in accordance with the Principal Contractor's Project Induction.
- Participate in toolbox talk on Environmental Work Method Statement and sign-on
- Assist in the development of EWMS for the Project as required
- Reporting any Environmental impacts and incident to the site Manager/Foreman
- Seeking assistance if unsure of Environmental site rules
- Comply with emergency and evacuation procedures

8.0 Communication

Moits will consult with the Principal Contractor through regular meetings on environmental matters. Information will be promulgated to employees concerning environmental management issues and regulatory requirements via toolbox meetings and pre-start meetings. All formal correspondence will be issued via Aconex.

EVENT	FREQUENCY	PARTICIPANTS	RECORD
Work activity induction (in EWMS or equivalent)	Prior to commencing work	Personnel carrying out specific work activities	Record of training – listed on the EWMS or Toolbox Talk Record
Prestart/Toolbox meetings	Daily & Weekly	Personnel carrying out specific work activities	Prestart/Toolbox meeting record
Subcontractor meetings	Weekly	Site Supervisor/ Project Manager	Minutes of meeting

9.0 Subcontractors Environmental Management Plans and EWMS

All subcontractors are required to operate within the requirements of their EMP and associated documents. Where a subcontractor is determined to be working in an area identified as high risk for potential impact to the environment, additional management controls will be put in place. These may include the submission of a dedicated EMP / EWMS to address the specific work area and it must be submitted for review prior to commencement of work on site. Comments resulting from the review will be issued to the subcontractor for action and where required, re-submission. The EMP / EWMS must assess the level of environmental risk and implement appropriate management controls for the subcontractor's scope of work

Moits DOES intend to subcontract all or part of the works.

If engaged, the sub-subcontractors intended to be used on this site are:

Business	Contact Details
Australian Piling Group APG	Waes - 0455 558 855

Rapidgeo	Adrian Gunn – 0403 145 566
Riverina Skips	0411 965 611
Crottys Excavation	0438 172 707
PHL Surveys	02 6964 3192

Moits will ensure that the above mentioned subcontractors provide an EMP or EWMS for their specialised work, and that Moits shall review the EMP or EWMS.

10.0 Environmental Aspects, Impact s and Control Measures

An Environmental Work Method Statement (EWMS) detailing procedures addressing the identified aspects in the table below will be submitted with this EMP.

Note: The below aspects provide an indication of the different types of environmental aspects that may be encountered for particular stages of construction and scopes of work. The Moits EMP will reflect this in the EWMS and be kept on the project records. Additional aspects may be added at the discretion of Moits

ENVIRONMENTAL ASPECT		ENVIRONMENTAL IMPACT				
		Land/ Machines	Air/Hazmat removal	Noise/ Vibration	Chemical	Water
	Water quality	✓	✓	✓	✓	✓
	Washout System					
	Erosion and sediment control	✓	✓	✓	✓	✓
	Site contamination	✓	✓	✓	✓	✓
	Air quality including emissions i.e. dust	✓	✓	✓	✓	✓
	Noise and vibration	✓	✓	✓	✓	✓
	Hazardous chemicals and storage	✓	✓	✓	✓	✓
	Cultural heritage					
	Flora and fauna	✓	✓	✓	✓	✓
	Waste management	✓	✓	✓	✓	✓

11.0 Environmental Inspections

Moits will conduct environmental inspections weekly. Inspections will be filed and available for audit purposes. The Environmental Inspection Checklist is located in the SEQ management Plan on site.

11.1 Audits

Internal audits will be conducted throughout the course of the project to gauge the environmental performance of the project and the team working with the EMP

12.0 Storing and Handling Chemicals

Moits provides a current (within 5 years of the date of issue) SDS to the principal Contractor for all products and substances to be used for the work activity. All employees involved in the use of products classified as hazardous, are provided with information and training to allow safe completion of the required task

All storage and handling of chemicals is to be in accordance with the SDS and legislative requirements for each product being used on the Project.

13.0 Training and Induction Programs

All personnel working on the Project will complete the Principal Contractor's Project Induction which includes advice on environmental management and compliance requirements detailed for the site. All personnel will participate in the Environmental Work Method Statement 'toolbox meetings' and Project Risk Workshops as required. All participants will sign the attendance sheet as proof of training.

Training programs will remain current and be reviewed at least annually or:

- » When new or unforeseen workplace requirements are identified
- » Following a significant incident
- » Following changes in legislation
- »

14.0 Non- Conformance, Corrective Action

A non-conformance is defined as a failure to comply with MPX documented procedures, management plans and/or a breach of conditions imposed on the Project. This includes a breach of statutory requirements or licence condition.

Non-conformances identified during audits and site inspections shall be recorded on the Audit Report or Aconex field and actioned. In the event of a non-conformance being raised, MPX shall document this on the Non-Conformance Report on Aconex.

When a non-conformance is identified, the recipient and/or MPX shall identify strategies in order to rectify the non-conformance. Where appropriate, the recipient and/or MPX shall also develop measures to prevent recurrence of the non-conformance. The measures to rectify and to prevent recurrence of the non-conformance shall be documented on the Non-Conformance Report and a time frame established. The instigator shall carry out a follow-up review and close out of the Non-Conformance Report to verify completion of measures taken to rectify and to prevent recurrence

15.0 Emergency Procedures

All emergencies will be in accordance with the Principal Contractor's Emergency Management Plan which is covered in the Project induction. Any evacuations will be handled in accordance with the

Emergency Evacuation Plan and under direction of the Principal Contractor's Emergency Management Team.

16.0 Environmental Incidents and Investigations

Upon the potential for or an actual environmental incident occurring, the incident form will be completed and submitted to the Principal Contractor as soon as possible.

It should be noted that the Principal Contractor is to be contacted immediately in the event of an environmental incident.

An environmental incident is identified as an activity that has the potential to or is causing material environmental harm which includes costs exceeding or in aggregate of \$10,000 in accordance with the Protection of the Environment and Operations Act 1997 (NSW).

17.0 Waste Management

17.1 Waste Minimisation Plan

N Moit & Sons Pty Ltd will ensure that all waste material produced as a result of the demolition works carried out will be recycled or disposed of in accordance with the Waste Minimisation and Management Act 1995 and Local Councils Waste Minimisation Policies

N Moit & Sons is committed to recycling and the minimisation of waste materials created through its demolition process and has adopted the waste minimisation hierarchy as its basis for reducing waste:

Avoid waste at the source

Reuse materials and components

Recycle materials into new products

Dispose of in a responsible manner as a last resort

All employees and subcontractors shall be made aware of Moits commitment to recycling and the importance of separating materials during the demolition / excavation process, not after.

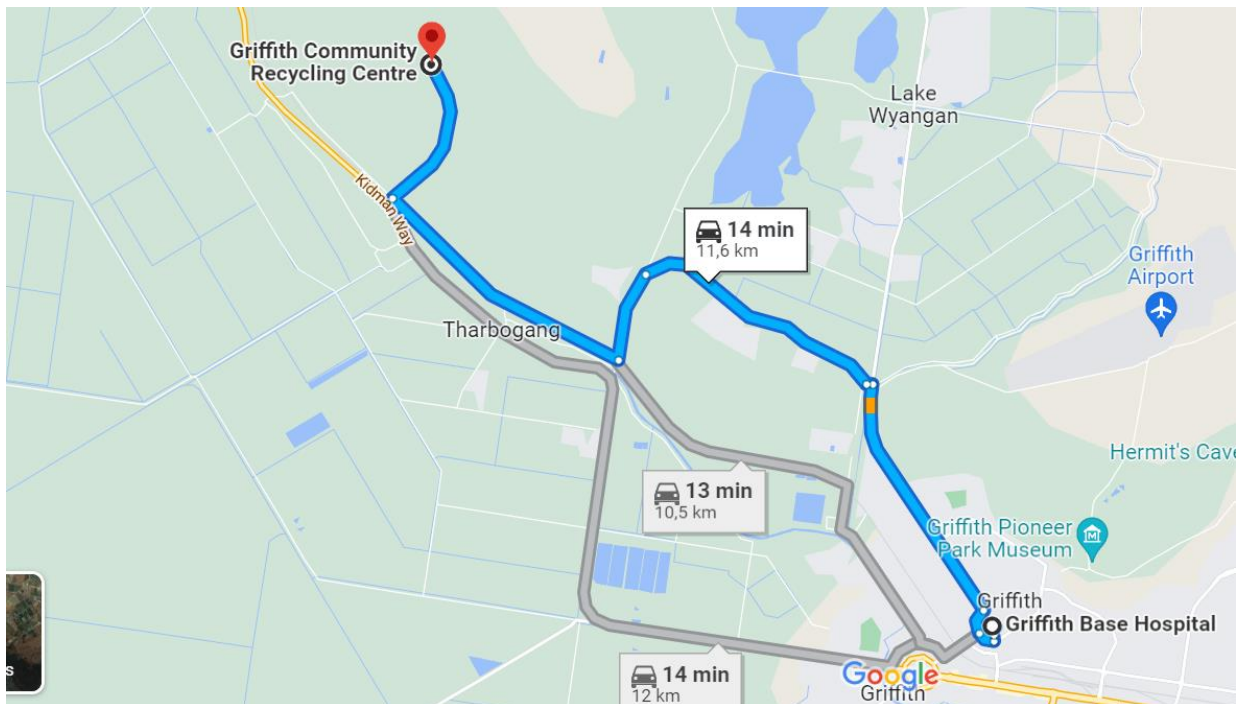
All waste materials created by the demolition / excavation process will be sorted into the following categories and disposed of at authorised salvage, recycling or waste management centres.

- Brick, Concrete & Masonry
- Scrap Metals
- Timber
- Glass
- Cardboard & Plastics
- Non-recyclable items
- Oils, gases
- General Solid Waste (GSW)
- Virgin Excavated Natural Material (VENM)
- Excavated Natural Material (ENM)
- Contaminated Soils (acid sulphate, asbestos etc.)
- Asbestos Containing Material (ACM)

The only Material that is been stockpile on site is source from the excavated material from the bulk excavation, this material is been validated as clean material by the hygienists on site, the rest of the materials is been transported to the Tharbogang Landfill.

17.2 Waste Transportation

The waste materials created by the works will be removed from site by Moits vehicles and hired bins to the Tharbogang Landfill. Any subcontractors used will be made aware of all requirements including the covering of loads, work hours (8:00am-5:00pm. 7days a week.) and the routes to be take is the following: Wyangan Ave – Mallinson Rd – Lakes Rd – Slopes Rd – Hillside Dr.



Also, the authorised disposal facility Tharbogang must provide tipping dockets to keep track of all the material remove from site.

18. Unexpected finds Protocol

If an unexpected find is identified during earthworks, the following procedure will be followed:

1. Cease disturbance of the affected portion of the site.
2. Immediately implement controls if it is considered that the unexpected find may pose an immediate risk of harm to human health or the environment, and it is safe to do so.
3. Notify the relevant authorities if required (i.e. NSW EPA, SafeWork NSW).
4. Contact the site supervisor and the Environmental Consultant/ Occupational Hygienist to inspect the area.
5. Conduct an assessment of the location and extent of the unexpected find, if safe to do so.

6. Work Health and Safety (WHS) and environmental controls shall be established based on initial observations, if required. These may include but not be limited to:

- a. Controlling access by establishment of barricades and warning signs.
- b. Encapsulating with clean soil, plastic or geofabric.
- c. Establishing erosion and sediment controls
- d. Employing dust mitigation measures.
- e. Air monitoring.

7. Notify the client of the unexpected find and immediate controls established, if required.

8. Further visual assessment, sample collection and analysis may be required by a qualified environmental consultant or occupational hygienist, where further information is needed to assess the extent and/or inform the controls required. If necessary, samples shall be collected and analysed at a laboratory for contaminants of potential concern using National Association of Testing Authorities (NATA) accredited methods. The scope of work may be required to be reviewed by the client.

9. Depending on the outcome of the assessment by the environmental consultant/ occupational Hygienist, the unexpected find may need to be further assessed, managed, remediated or disposed of offsite in accordance with regulatory requirements.

10. Agree the scope with the client and implement works to mitigate identified risks associated with the unexpected find and collect evidence to demonstrate such works have been effective.

11. Affected areas shall be reopened for earthworks following a clearance of the location and issuing of a report by the environmental consultant / occupational hygienist and/or instruction from the client.

Any unexpected finds encountered should be listed on a UFP register via Moits Central, which should include the action taken and the status of the unexpected find. Prior to closing out an unexpected find it is required that all appropriate documentation has been obtained and uploaded to Moits Central.

19. Attachment.

Compliance Table.						
Waste Generated	Quatitites (Ton)	Clasification	Validation	Purposed	Location	Address and Hours.
Metal	46.63	Recycle	N/A	-	Garry Cullen Sand & soil PTY Ltd	Hours: 7:30am - 6:00pm (Mon-Frid) 7:30am to 12:00pm (Saturdays) Address: 1732 Kidman Way, Tharbogang, NSW 2680
Demo Waste	144.02	Waste	N/A	-	Garry Cullen Sand & soil PTY Ltd	
Bricks and concrete	840,54	Recycle	N/A	-	Garry Cullen Sand & soil PTY Ltd	
Clean soil	22,76	ENM- Clay	Hygienist on site	-	City Griffith Concil - Tharbogang Landfill	Hours: 8:00am- 5:00pm. 7days a week. Address: Hillsdrive, Tharbogang NSW 2680, Australia.
Asbestos Soil	1070.18	ACM Soil	Hygienist on site	-	City Griffith Concil -	

					Tharbogang Landfill	
Clean Soil	783,40	VENM	Hygienist on site	-	City Griffith Concil - Tharbogang Landfill	
Clean Soil	4000	ENM- VENM	Hygienist on site	Stockpiling for backfilling behind wall	Behind Hospital	N/A