

CONFIDENTIAL**Waste Management & Recycling Plan (NSW)**

BINGO Industries offers a complete, comprehensive solution to the management and recycling of wastes to assure compliance with clients' waste management policy.

BINGO Recycling Centre's combine bin storage, waste collection, waste recycling and waste transfer to service the building and construction industry and domestic waste management needs in New South Wales. Wastes collected by BINGO Industries are taken directly to one of these facilities where approximately 90% of wastes are converted to recovered resources.

BINGO Recycling Centre Alexandria EPL No. 4679
BINGO Recycling Centre Artarmon EPL No. 20763
BINGO Recycling Centre Auburn EPL No. 10935
BINGO Recycling Ecology Park Eastern Creek EPL No. 20121
BINGO Recycling Centre Greenacre EPL No. 20847
BINGO Recycling Centre Kembla Grange EPL No. 20601
BINGO Recycling Centre Mortdale EPL No. 20622
BINGO Recycling Centre Patons Lane EPL No. 21259
BINGO Recycling Centre Revesby EPL No. 20607
BINGO Recycling Centre Tomago EPL No. 20585

As can be expected waste materials inwards vary considerably and are delivered to the Recycling Centres in tipping and non-tipping vehicles or in skip bins. Of the wastes inwards approximately 90% is recovered and recycled as materials outwards and the balance 10% to landfill. Waste materials inwards are processed to achieve the maximum recovery of resources and the minimum of un-recoverable material for disposal.

Typical Composition of BINGO's Wastes Inwards

Wastes Inwards	Percentage (approx.)
Heavy Recyclable Materials	45%
Light Recyclable Materials	35%
Metals	10%
Non-Recyclable Materials	10%
Total	100%

Heavy Recyclable Materials:

- Soil
- Dirt
- Sand
- Rubble
- Brick
- Concrete
- Tiles
- Stone
- Asphalt

Light Recyclable Materials:

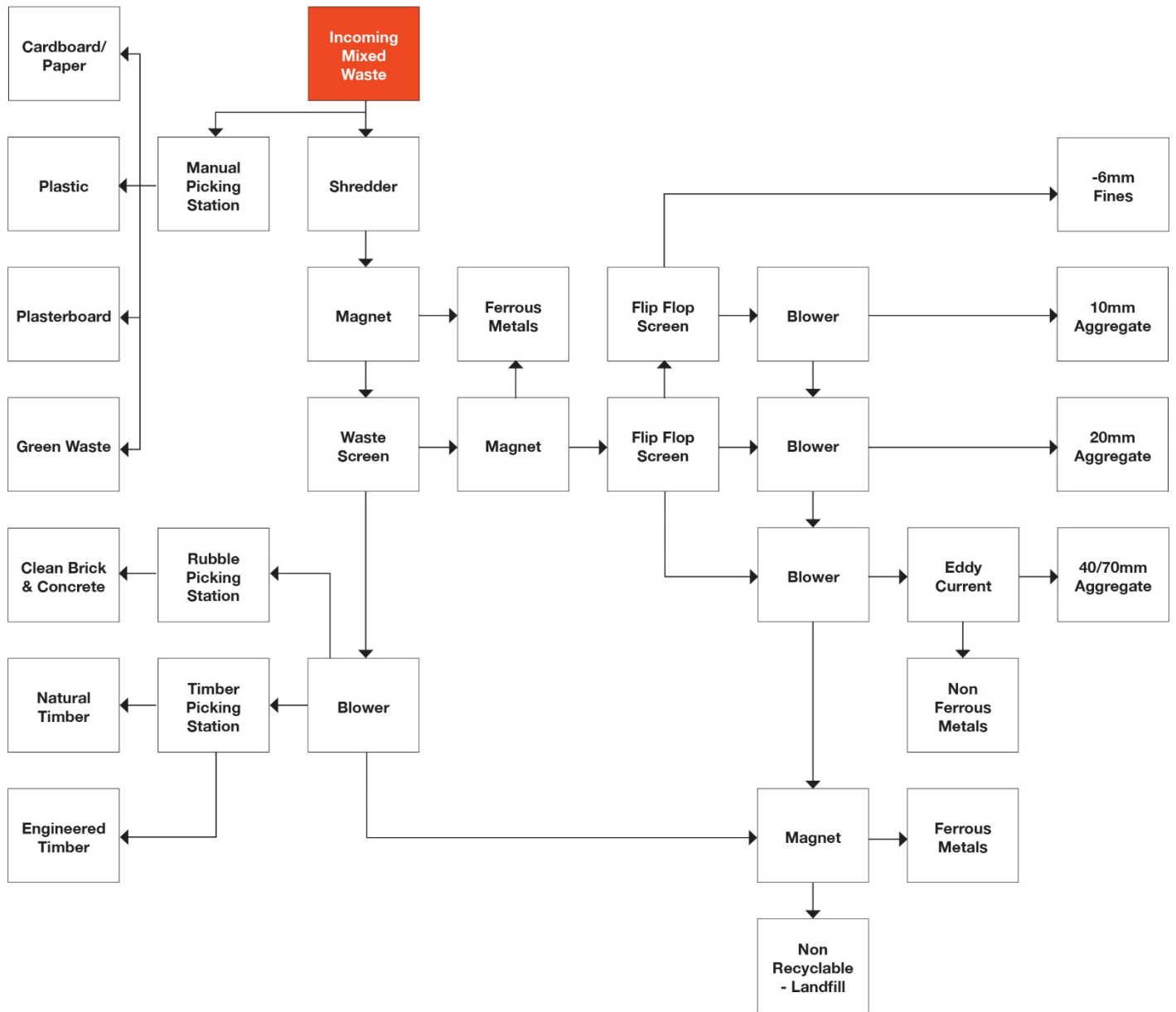
- Timber
- Green Waste
- Cardboard/ Paper
- Plastic
- Plasterboard

Metals:

- Ferrous (steel, black iron)
- Non-Ferrous (copper, wire, aluminium, stainless)

At the Resource Recovery Facility an effective waste processing procedure is applied. See Materials Flow Diagram (below). Wastes inwards unloaded onto the sorting area where the waste is raked with a hydraulic excavator to expose the contents and where recyclable materials are hand and machine sorted.

**BINGO Recycling Centre
Materials Flow Diagram**



In summary, BINGO Industries take all their mixed waste skip bins directly to EPA Licensed Recycling Centres. From there the waste is sorted and separated into the following material classes for processing and recycling.

Type of Material	Where Processed/ Recycled	How Processed/ Recycled
Heavy Recyclable Materials (soil, dirt, sand, rubble, concrete, brick, tiles, asphalt, stone)	<ul style="list-style-type: none"> BINGO Recycling Centres 	Re-processed into recycled products (such as aggregates and roadbase) by crushing and screening.
Timber / Green Waste	<ul style="list-style-type: none"> Clean & Green Organics BINGO Recycling Ecology Park 	Re-processed into woodchip and mulch by shredding.
Metal / Steel	<ul style="list-style-type: none"> Sell & Parker CMI SIMS Sydney Copper Scraps 	Re-processed into new metal and steel products by shearing, baling and re-smelting.
Brick / Concrete	<ul style="list-style-type: none"> BINGO Recycling Ecology Park 	Re-processed into recycled products (such as aggregates and roadbase) by crushing and screening.
Cardboard / Paper / Plastic	<ul style="list-style-type: none"> Polytrade Recycling J.J. Richards Orora 	Re-processed into new cardboard, paper and plastic products by breaking down the material into a form for re-use.
Plasterboard	<ul style="list-style-type: none"> ReGyp 	Re-processed into gypsum products by shredding and screening.
General Waste	<ul style="list-style-type: none"> Eastern Creek Landfill 	n/a

- **BINGO Recycling Centres**
76-82 Burrows Road, Alexandria NSW 2015
10 Mclachlan Ave, Artarmon NSW 2064
3-5 Duck Street, Auburn NSW 2144
Honeycomb Drive, Eastern Creek NSW 2766
35 Wentworth St, Greenacre NSW 2190
50 Wyllie Road, Kemplia Grange NSW 2526
20 Hearne Street, Mortdale NSW 2223
Patons Lane, Orchard Hills NSW 2748
37-51 Violet Street, Revesby NSW 2212
29 Laverick Avenue, Tomago NSW 2322
- **Clean & Green Organics**
769 The Northern Rd, Bringelly NSW 2566
- **Sell & Parker**
45 Tattersall Road, Blacktown NSW 2148
- **CMI**
38 York Road, Ingleburn NSW 2565
- **SIMS**
43 Ashford Ave, Milperra NSW 2214
76 Christie St, St Marys NSW 2760
- **Sydney Copper Scraps**
130 Adderley St, Auburn NSW 2760
- **Polytrade Recycling**
32 South St, Rydalmere NSW 2116
40 Madeline St, South Strathfield NSW 2136
- **J.J. Richards**
12 Heald Rd, Ingleburn NSW 1890
8 Kommer Pl, St Marys NSW 2760
- **Orora**
1891 Botany Rd, Matraville NSW 2036
- **ReGyp**
330 Captain Cook Drive, Kurnell NSW 2231
- **Eastern Creek Landfill**
Honeycomb Drive, Eastern Creek NSW 2766

ENVIRONMENTAL AND WASTE MANAGEMENT PLAN

Multiplex
769 Military Rd, Mosman NSW 2088
21-015

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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
	Jade Nicholson	Multiplex
	Matthew Hogan	Multiplex
	Kassim Youssef	Multiplex
	Christina Travers-Jones	Multiplex
	Vanessa Lesicnik	Multiplex
	Nick Chong Sun	Moits

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
1.0	Feb 18	New env and waste mgmt plan	All	Darren O'Dea	Darren O'Dea
2.0	Feb 21	Update to include additional client requirements	All	Darren O'Dea	Darren O'Dea

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
Email	Dawood.Dawood@moits.com.au

2.1 Site Contact Details

Name	Position/Role	Contact Number	Contact Email
Nick Chong Sun	Construction Director	0477 262 555	Nick.ChongSun@moits.com.au
Dawood Dawood	Project Manager	0477 400 606	Dawood.Dawood@moits.com.au
Andrew Heath	Supervisor	0447 275 720	Andrew.Heath@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 minimise 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
7 May 2019

DOCUMENT CONTROL

DOCUMENT ID: PO-006

LAST REVIEW: 14 May 2021

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NEXT REVIEW: 14 May 2023

4.0 Objectives and Targets

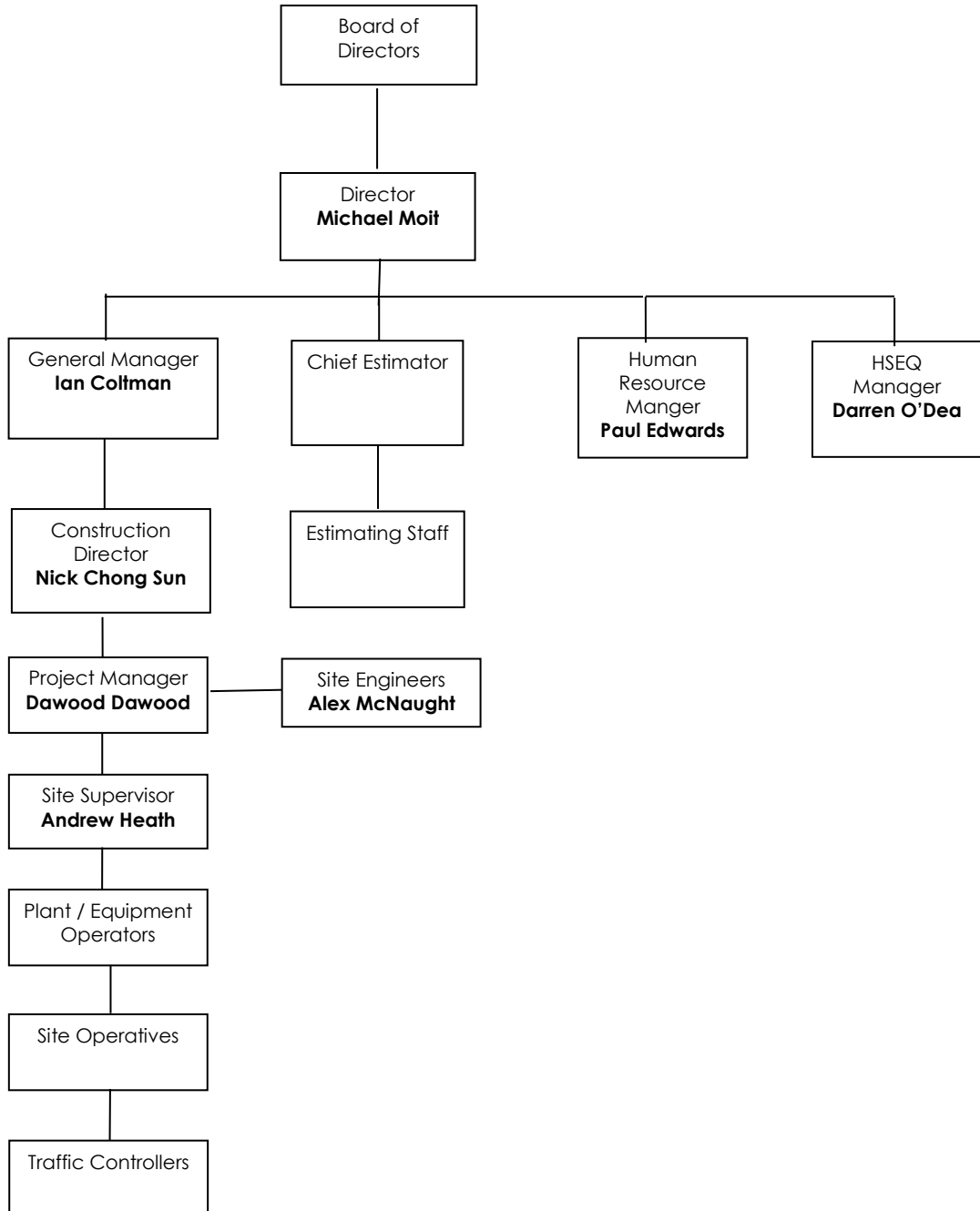
The Objective of this EMP is to provide a documented plan for management and minimisation of potential environmental impacts that the works may have on the environment through the identification of risks and control measures.

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

5.0 Scope of Works

The project will be conducted across December and January, involving the demolition and partial demolition of two Mosman high school buildings. Building B will be completely demolished to the ground floor slab, while Building E will be partially demolished involving a roof disconnection and a walkway demolition between buildings B and C. All three buildings will require make good works after the demolition works.

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

Ian Coltman

- 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 Project Manager

Dawood Dawod – 0477 400 606

- 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 WHS Manager

7.3 Site Supervisor

Andrew Heath – 0447 275 720

- 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
Kontro Group	Dennis Generoso dennisg@kontrogroup.com 0404 113 775

Plateau Trees	Anthony Plummer tony@plateautrees.com.au 02 9939 5350
Metal Corp	Jason Nour Jason@metalcorp.net.au 0423 385 987

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 above materials will be removed in the demolition of building B and building E. Moits Central will be used to track the load out of material from site by recording the weight, material type, truck registration and the intended location for the material to be delivered. Where possible Moits takes material to Rock & Dirt, as well as other recycling facilities to recycle demolished and excavated material.

Prior to HAZMAT removal in building B an exclusion zone with a decontamination unit will be erected within the building to minimise the emission of hazardous fibres into the air. During the HAZMAT removal hazardous material will be disposed of in 200 micron thick asbestos waste bags. Upon leaving the exclusion zone workers will pass through the decontamination unit and PPE will be disposed in 200 micron thick bags. All HAZMAT waste will be tracked in Moits Central and disposed of at approved waste disposal facilities.

17.2 Waste Transportation

The waste materials created by the works will be removed from site by Moits vehicles and hired bins. Any subcontractors used will be made aware of all requirements including the covering of loads, work hours and specific traffic routes to be taken

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.