



# DEVELOPMENT APPLICATION

## Demolition Waste Management Plan Metford Concrete Batching Plant 395 Metford Road, Metford NSW

SUBMITTED TO NEWCASTLE CITY COUNCIL

18 July 2022





Details of Revision			
Level	Details	Date	Initial
1.0	Draft for Review	25.05.2022	RG
2.0	Final	12.07.2022	AD

## **Table of Contents**

<b>1</b>	<b>INTRODUCTION</b>	<b>1</b>
1.1	Project Context	1
<b>2</b>	<b>SCOPE</b>	<b>1</b>
<b>3</b>	<b>WASTE TYPES AND QUANTITIES</b>	<b>1</b>
<b>4</b>	<b>WASTE MANAGEMENT</b>	<b>2</b>
4.1	Reporting Requirements	2
4.2	Waste Tracking System	2
4.3	Internal Waste Handling Procedure	2
<b>5</b>	<b>OFFSITE WASTE DISPOSAL PROCEDURE</b>	<b>4</b>
5.1	Monitoring and Reporting	4
5.2	Asbestos transport NSW	5
<b>6</b>	<b>SURFACE RUNOFF MANAGEMENT PROCEDURE</b>	<b>5</b>
6.1	Monitoring and Reporting	5

## 1 Introduction

This Demolition Waste Management Plan (DWMP) is submitted to Newcastle City Council in support of a Development Application (DA) to decommission and demolish the concrete batching plant and associated structures located at 395 Metford Road, Metford NSW.

The DA seeks approval for demolition of structures associated with the concrete batching plant and any works to the site to make it safe.

### 1.1 Project Context

Hanson currently owns and operates a concrete batching plant located at 395 Metford Road, Metford. Due to the changes in market demand over the past few years, it is no longer feasible for Hanson to continue the operation of the plant as it currently stands. The infrastructure at the plant is aging and has reached the end of its useful life. The plant would require significant upgrade to meet future production needs and environmental standards. Such upgrades would come at a cost; economically, socially, and environmentally.

Hanson proposes to surrender the existing consent to operate a concrete batching plant and to demolish the existing plant to provide the opportunity for alternative uses at the site in the future. Any future uses of the site will be subject to future development approvals.

## 2 Scope

To ensure that all site waste is managed in a lawful and responsible manner meeting Hanson's targets, objectives, and contract requirements.

## 3 Waste Types and Quantities

Material	Estimated Qty Produced/Used (t)	Recyclable (Y/N)	Estimated Quantity Recycled	% Recycled
<b>Concrete &amp; Brick</b>	80t	Y	80t	100%
<b>Steel</b>	20	Y	20t	100%
<b>General Rubbish/Mixed Demolition</b>	10	N	0	0%

*Notes: All above quantities are estimated figures only. Hanson and its contractors will manage all types of waste on site complying with relevant guidelines and regulations.*

## 4 Waste Management

### 4.1 Reporting Requirements

A Waste Register Report will be produced and will include the following details:

- Inspections
- Corrective actions
- Training and awareness
- Waste disposal
- Recycled materials

### 4.2 Waste Tracking System

A Waste Tracking System (WTS) will be used to manage and monitor the movement of waste.

The WTS will:

- Record and document the transfer of each waste load using a waste tracking docket.
- Retain dockets to validate the destination of all waste material.
- Document the off-site disposal of waste material using the docket system and the appropriate environmental permits for removal of controlled waste from the site pursuant to the Protection of the Environment Operations (Waste) Regulation 2005.

The following actions will be used to effectively manage the movement of waste material across and out of the site:

- An initial site induction for all worker(s) involved with the movement and relocation of the waste. They will be informed of the site/location of waste and transport routes to be used.
- A General Waste Register will be used to identify the description of the waste, docket number, transport company, vehicle registration, disposal facility and quantity of the waste.
- A NSW EPA permit will be obtained prior to removal for wastes classified as trackable. The form will be in duplicate with the original retained by the landfill operator and the duplicate retained by the transport driver, once signed as received by the landfill operator.

### 4.3 Internal Waste Handling Procedure

As part of the demolition works, site waste will be sorted into waste streams to avoid contamination of the various waste.

Demolition materials will be transported across the site and either temporarily stockpiled, or taken directly off-site for disposal or recycling. The objective of this procedure is to ensure the transportation and handling of all waste material within the project area is undertaken in a safe and lawful manner.

The following actions are to be used for managing the demolition by excavator, transfer and stockpiling of waste fill including placement of the final cover.

### **Demolition by excavator**

- All waste material is to be removed in a damp condition to reduce the potential for dust generation and adverse air quality.
- Waste material is to be placed directly into trucks for immediate transfer to the temporary stockpile.

### **Transportation**

- All loads are to be wet down with a fine water spray to prevent dust emissions prior to leaving the exclusion zone.
- Spill kits will be in designated work areas close to haulage routes.

### **Stockpiles**

- Stockpile locations for waste material will be streamed as identified by the Site Supervisor in consultation with Hanson.
- Waste material may only be temporarily stockpiled on top of existing waste fill material or on top of compacted material if on natural ground.
- All temporary stockpile locations are to be inspected daily by the Site Supervisor.
- Dust suppression techniques are to be used on the temporary stockpiles.

#### ***4.3.1 Monitoring and Reporting***

Monitoring and reporting will include:

- Accidents involving the spillage of waste material from trucks and the corrective action undertaken using an Incident Report form.
- Earthmoving and traffic accidents are to be reported verbally (radio communication) and in writing directly to the Site Supervisor immediately following the incident.
- Routine random checks will be undertaken by the Site Supervisor of waste handling practices to ensure conformance to this procedure.

#### 4.3.2 Domestic Waste

Domestic waste generated on site will mainly consist of general rubbish from the demolition zones. This rubbish will be in skips and recycled or disposed of by a licensed contractor.

## 5 Offsite Waste Disposal Procedure

Waste material excavated during the demolition work will only be stockpiled on-site temporarily. These stockpiles will be transported to an approved disposal or recycling facility.

The following actions will be followed for managing the off-site disposal of any waste material:

- Stockpiles of material for off-site disposal will be characterised in accordance with the Waste Tracking Guidelines (NSW EPA). If necessary, stockpile samples will be tested for heavy metals including the leachable fraction.
- Material will be transported off-site to approved EPA disposal sites by suitable waste transport contractor if required, any required application for a waste transport certificate to be approved by the NSW EPA.
- All movement of material offsite is to be recorded using the General Waste Register.
- Trucks are to be roadworthy and operated in accordance with transport regulations.
- Two-way radios or mobile phone to be provided in all trucks in case of emergency.
- Truck loads are to be covered with tarpaulins prior to leaving the site to prevent dust emissions whilst in transit (excluding scrap metal loads).
- Trucks to exit site utilising the Traffic Management Plan.
- Off-site transport routes will be decided upon prior to any loads being removed from site.
- The road condition at the entrance/exit to the work site will be monitored continuously and swept/washed as necessary.

### 5.1 Monitoring and Reporting

Monitoring and reporting will include:

- Accidents involving the spillage of material from trucks and the corrective action undertaken is to be reported in an Incident Report form.
- Serious traffic accidents are to be reported to the Police, and verbally to the Site Supervisor immediately following the incident.
- Routine random checks will be undertaken by the Site Supervisor to ensure the loads are secure and conform to this procedure.

## 5.2 Asbestos transport NSW

In NSW the transport of more than 10 square meters of asbestos sheeting, or 100 kilograms of asbestos waste must be reported to the EPA. Asbestos transporters and facilities receiving asbestos waste must report the movement of this waste to the EPA using WasteLocate. Each load of asbestos waste needs to have a unique EPA consignment ID, which the transport company must generate using WasteLocate. The unique EPA consignment ID will allow each load to be monitored from the place of generation to the site of disposal.

The following actions will be followed for managing the off-site disposal of Asbestos in NSW (if required):

- Quantity and description of asbestos waste will be advised to transport company when engaged.
- The unique EPA consignment ID will be sited before the Asbestos waste can leave site.
- The transport company will supply a copy of the WasteLocate consignment after delivery to designated waste facility.
- A copy of the WasteLocate consignment note will be saved by Liberty Industrial.

## 6 Surface Runoff Management Procedure

The following actions are to be followed for managing surface runoff from waste material.

- All stormwater inlets servicing the project area are to be protected with sediment controls as per the stormwater sediment control plan for the site.
- Stockpiles of waste will be stored only on exposed surfaces of waste to prevent contaminating clean ground and will also form part of the weekly inspections.
- If required, a dust suppressant will be applied over the clean soil cover following placement to stabilise the ground surface.

### 6.1 Monitoring and Reporting

Monitoring and reporting will include:

- Routine random checks will be undertaken by the Site Supervisor of the stormwater system and any bunding to ensure conformance to this procedure
- Should there be any uncontrolled surface runoff or uncontained erosion of waste, the incident and any corrective action undertaken is to be reported and recorded.