

APPENDIX K

Construction and Demolition Waste Management Plan

16 August 2022

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FDC Construction (NSW) Pty Ltd
22 - 24 Junction Street
Forest Lodge NSW 2037

Attention: Karina Agius

Dear Karina

Construction and Demolition Waste Management Plan Snack Brands Manufacturing Facility 2-14 Distribution Drive, Orchard Hills NSW 2748

1 Introduction

SSD 18204994 was granted development consent by DPE on 8 July 2022 for a new purpose-built industrial warehouse facility for industrial food manufacturing at 14 Distribution Drive, Orchard Hills and an adjustment to the operations of the existing warehouse and distribution facility at 2 Distribution Drive, Orchard Hills, to include food manufacturing.

SLR Consulting Australia Pty Ltd (SLR) prepared a full and comprehensive Waste Management Plan (WMP) to support the Environmental Impact Statement (EIS) in response to the Planning Secretary's Environmental Assessment Requirements (SEARs) issued on 27 May 2021.

This Construction and Demolition Waste Management Plan (CDWMP) has been prepared to support the Construction Environmental Management Plan (CEMP) and is required to satisfy Conditions C3(d) and B52 of SSD 18204994 Conditions of Consent.

2 Statutory Requirements

SSD 18204994 Conditions of Consent require a CDWMP to be prepared as part of the CEMP:

Construction Environmental Management Plan

C3. As part of the CEMP required under Condition C2 of this consent, the Applicant must include the following:

- a) Construction Traffic Management Plan (see Condition B1);*
- b) Erosion and Sediment Control Plan;*
- c) Construction Noise Management Plan (see Condition B36);*
- d) Construction and Demolition Waste Management Plan (see Condition B52);**
- e) Unexpected Finds Protocol (see Condition B64);*

f) *Community Consultation and Complaints Handling.*

Construction and Demolition Waste Management

B52. *Prior to the commencement of construction, the Applicant must prepare a Construction and Demolition Waste Management Plan for the development to the satisfaction of the Planning Secretary. The Plan must form part of a CEMP in accordance with condition C2 and must:*

- a) *detail the quantities of each waste type generated during construction and the proposed reuse, recycling and disposal locations; and*
- b) *be implemented for the duration of construction works.*

Section 3 below satisfies the requirements above.

3 Demolition and Construction Waste Management

3.1 Waste streams and classifications

The demolition (including all site preparation) and construction of the project is likely to generate the following broad waste streams:

- Site clearance/demolition waste;
- Construction waste;
- Plant maintenance waste;
- Packaging waste; and
- Work compound waste from on-site employees.

3.2 Proposed Management Method

A summary of likely waste types generated from site preparation and construction activities, along with their waste classifications and proposed management methods, is provided in **Table 1** below.

Table 1 Potential waste types and their management methods

Waste Types	NSW EPA Waste Classification	Proposed Management Method
Site Clearance and Demolition		
Green waste including timber, pine and particle board	Pre-classified general solid waste (non-putrescible)	Separated, some chipped and stored on-site for landscaping, remainder to landscape supplies or off-site recycling. Stumps and large trees to landfill.
Clean fill	General solid waste (non-putrescible)	On-site re-use if NEPMs are met
Contaminated fill	To be classified subject to the results of testing, as per EPA waste guidelines	Off-site treatment or disposal to landfill
Excavated natural material (ENM) or virgin excavated natural material (VENM)	General solid waste (non-putrescible)	On-site re-use of topsoil for landscaping of the site, off-site beneficial re-use or send to landfill site.

Waste Types	NSW EPA Waste Classification	Proposed Management Method
Concrete Waste from the removal of precast walls, existing internal and external slabs.	Pre-classified general solid waste (non-putrescible)	Off-site recycling for filling, levelling or road base (if possible)
Metal (Fence Posts & PVC coated chainwire, cable from redundant services, cladding)	General solid waste (non-putrescible)	Off-site recycling at metal recycling compounds and remainder to landfill
Redundant Services (PVC pipe, plastic conduit, etc.)	General solid waste (non-putrescible)	Off-site recycling
Gyprock, plasterboard, ceiling tiles	General solid waste (non-putrescible)	Off-site recycling
Construction		
Sediment fencing, geotextile materials	General solid waste (non-putrescible)	Reuse at other sites where possible or disposal to landfill
Concrete	General solid waste (non-putrescible)	Off-site recycling for filling, levelling or road base
Bricks and pavers	General solid waste (non-putrescible)	Cleaned for reuse as footings, broken bricks for internal walls, crushed for landscaping or driveway use, off-site recycling
Gyprock or plasterboard	General solid waste (non-putrescible)	Off-site recycling or returned to supplier
Sand or soil	General solid waste (non-putrescible)	Off-site recycling
Metals such as fittings, appliances and bulk electrical cabling, including copper and aluminium	General solid waste (non-putrescible)	Off-site recycling at metal recycling compounds and remainder to landfill
Conduits and pipes	General solid waste (non-putrescible)	Off-site recycling
Timber	General solid waste (non-putrescible)	Off-site recycling, Chip for landscaping, Sell for firewood <i>Treated:</i> reused for formwork, bridging, blocking, propping or second-hand supplier <i>Untreated:</i> reused for floorboards, fencing, furniture, mulched second hand supplier Remainder to landscape supplies.
Doors, Windows, Fittings	General solid waste (non-putrescible)	Off-site recycling at second hand building supplier
Insulation material	General solid waste (non-putrescible)	Off-site disposal
Glass	General solid waste (non-putrescible)	Off-site recycling, glazing or aggregate for concrete production

Waste Types	NSW EPA Waste Classification	Proposed Management Method
Fluorescent light fittings and bulbs	Hazardous waste	Off-site recycling or disposal; contact <i>FluoroCycle</i> for more information ¹
Paint	Hazardous waste	Off-site recycling, Paintback collection ² or disposal
Synthetic Rubber or carpet underlay	General solid waste (non-putrescible)	Off-site recycling; reprocessed and used in safety devices and speed humps
Ceramics including tiles	General solid waste (non-putrescible)	Off-site recycling at a crushing and recycling company
Carpet	General solid waste (non-putrescible)	Off-site recycling or disposal; reused for landscaping, insulation or equestrian uses
Plant Maintenance		
Empty oil and other drums or containers, such as fuel, chemicals, paints, spill clean ups	Hazardous waste: Containers were previously used to store Dangerous Goods (Class 1, 3, 4, 5 or 8) and residues have not been removed by washing or vacuuming. General solid waste (non-putrescible): Containers have been cleaned by washing or vacuuming.	Transport to comply with the transport of Dangerous Goods Code applies in preparation for off-site recycling or disposal at licensed facility Note: Discharge to sewer subject to Trade Waste Agreement with local Council
Air filters and rags	General solid waste (non-putrescible)	Off-site disposal
Drained Oil filters	General solid waste (non-putrescible)	Off-site recycling
Commercial lead acid or nickel cadmium Batteries	Hazardous waste	Off-site recycling, Contact the Australian Battery Recycling Initiative ³ for more information
Packaging		
Packaging materials, including wood, plastic, including stretch wrap or LLPE, cardboard and metals	General solid waste (non-putrescible)	Off-site recycling
Wooden or plastic crates and pallets	General solid waste (non-putrescible)	Reused for similar projects, returned to suppliers, or off-site recycling. Contact <i>Business Recycling</i> for more information ⁴
Work Compound and Associated Offices		
Food Waste	General solid waste (putrescible)	Dispose to landfill with general garbage

¹ Available online from <http://www.fluorocycle.org.au/> or <http://www.environment.gov.au/settlements/waste/lamp-mercury.html>

² Available online from <https://www.paintback.com.au/>

³ <http://www.batteryrecycling.org.au/home>

⁴ Available online from <http://businessrecycling.com.au/search/>

Waste Types	NSW EPA Waste Classification	Proposed Management Method
Recyclable beverage containers including glass and plastic bottles, aluminium cans and steel cans	General solid waste (non-putrescible)	Co-mingled recycling at off-site licensed facility or deliver to local NSW container deposit scheme 'Return and Earn' facility ⁵
Clean paper and cardboard	General solid waste (non-putrescible)	Paper and cardboard recycling at off-site licensed facility
General domestic waste generated by workers such as soiled paper and cardboard and polystyrene	General solid waste (non-putrescible) mixed with putrescible waste	Disposal at landfill

4 Waste Quantities

The construction waste quantities anticipated from the construction are provided in **Table 2** below.

Table 2 Estimated types and quantities of construction waste

Project Component	Area (m ²)	Waste types and quantities (m ³)						
		Timber	Concrete	Bricks	Gyprock	Sand & Soil	Metal	Other
WH2A (S1 Warehouse)	15,612	5	35	30	10	75	10	10
WH2B (S2 Warehouse)	2,813	5	10	5	5	15	5	5
Office space	2,475	15	50	25	25	25	10	15
New car parking	4,355	-	135	-	-	65	20	40
New hard standing	5,702	-	175	-	-	85	30	50
WWTP facility	2,155	5	5	5	5	15	5	5
Total	33,112	30	410	65	45	280	80	125

Note: Waste estimates have been rounded up to the nearest 5m³.

5 Measures and Compliance

5.1 Roles and Responsibilities

The FDC Site Manager will retain the overall responsibility for implementing the construction and demolition waste management plan for all construction works undertaken within the project area.

5.2 Training

All construction workers will be made aware of, and trained, in construction and demolition waste management. Training will be undertaken as a part of general site induction and refreshed periodically at toolbox meetings.

Induction training is to cover, as a minimum:

- Legal obligations and targets;

⁵Available online from <http://returnandearn.org.au/>

- Emergency response procedures on-site;
- Waste priorities and opportunities for reduction, reuse and recycling;
- Waste storage locations and separation of waste;
- Procedures for suspected contaminated and hazardous waste;
- Waste related signage;
- The implications of poor waste management practices; and
- Responsibilities and reporting, including identification of personnel responsible for waste management and individual responsibilities.

5.3 Monitoring

Monitoring and inspection will be conducted in accordance with general inspections as outlined in Section 5.1 of the CEMP. Results and actions of monitoring and inspection are to be recorded as specified within the CEMP.

5.4 Reporting

Reporting will be conducted as outlined in Section 5.2 of the CEMP.

5.5 Audits

Audits will be conducted as outlined in Section 5.3 of the CEMP.

DOCUMENT CONTROL

Reference	Date	Prepared	Checked	Authorised
631.30781-L01-v1.1	16 August 2022	Megan Lowe	Anna Kleinmeulman	Karina Agius (FDC)
631.30781-L01-v1.0	29 June 2022	Megan Lowe	Anna Kleinmeulman	Karina Agius (FDC)