

SITE WASTE MANAGEMENT PLAN (SWMP)

[SYD - 057]

[10 eastern Creek Drive, Eastern Creek, 2766



E-PLAN-01 (Master template Rev. September 2024 |

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1. INTRODUCTION

PROJECT INFORMATION TABLE			
PROJECT NAME		SYD57 – Echidna	
LOCATION		10 Eastern Creek Drive, Eastern Creek 1766	
DURATION OF CONTRACT		24 Months	
TAYLOR CONTACT INFORMATION			
COMPANY NAME		Taylor Construction Group Pty Ltd	
ABN		25 067 428 344	
ADDRESS		Level 16, 100 Pacific Highway, North Sydney 2060	
TELEPHONE & FAX		Ph.: 02 8736 9000 Fax: 02 8736 9090	
POSITION	CONTACT NAME	PHONE NUMBERS	
Chief Executive Officer	Elliot Hicks	02 8736 9000	
Divisional Director	Tim Christie	02 8726 9000	
Project Director	Hazem Gergis	0435 009 588	
Project Manager	Hazem Gergis	0435 009 588	
Site Manager	Chris Day	0438 777 300	
HSE Lead	Michael Curtis	0487 152 016	
Safety Advisor	Nathan Hunter	0402 229 939	
Safety Coordinator	Jacquiline Haydon	0417 924 001	
Contract Manager	Kam Lau	0405 613 198	
Contract Manager	Daniel Pribadi	0432 524 586	
Contract Administrator	Dorsa Faghireh	0451 500 201	
Senior Project Engineer	Kristian Golub	0430 055 329	
Site Supervisor	Jow Separovich	0411 176 665	
Site Supervisor	Ron Lucas	0447791 352	
Cadet	Amanda Bruhn	0421 168 478	
DOCUMENT CONTROL			
		NAME & DATE	
PREPARED BY:	Jacquiline Haydon	13/06/25	
REVIEWED BY:	Nathan Hunter	13/06/25	
REVIEWED BY:	Jacquiline Haydon	17/02/26	
REVISED BY	REV. No.	DATE	CHANGES MADE
Jason Hanna	1	26/10/24	Initial Creation
Harrison Cornay	2	07/11/24	Personnel changes
Jacquiline Haydon	3	13/06/25	New version / Position updates
Jacquiline Haydon	4	17/02/26	Personnel updates, contractor update. Bingo >Dump it

1.2 PROJECT OVERVIEW AND SITE DESCRIPTION

The SYD057 Echidna Data Centre is strategically located at 10 Eastern Creek Drive, Eastern Creek NSW. The site shares its location with existing facilities including the SYD55 Data Centre and SYD701 Puggle, as well as a substation currently under construction by Ausconnex.

The project involves the construction of a state-of-the-art, two-storey data centre building. The facility is designed to be a hub of technological innovation and operational efficiency, featuring a range of specialized internal areas:

- Data Centre: This is the core of the facility, comprising Data Halls, Electrical Rooms, and Mechanical Plantrooms. These areas are designed to host servers and other critical IT equipment, supported by advanced electrical and mechanical systems.
- Front of House Administrative Areas: These spaces will serve as the administrative nerve center of the facility, housing offices, meeting rooms, and other support spaces.
- Medium Voltage Switch Room: A dedicated space for medium voltage switches, ensuring reliable and efficient power distribution throughout the facility.

1.3 PURPOSE OF THE SITE WASTE MANAGEMENT PLAN

Taylor Construction Group is committed to improving sustainability on all of its projects: we aim to reduce the environmental impact of our operations and enable the integration of sustainability principles and practices to all activities carried out on site. Our goal on this project is to maximise the reuse of waste products, therefore minimizing the amount of waste going to landfill. The Site Waste Management Plan (SWMP) incorporates the processes that will assist the project team in achieving this goal, whilst providing the necessary means to ensure waste management is efficient, cost-effective, and compliant to NSW waste regulations.

2. WASTE MANAGEMENT RESPONSIBILITIES

The site manager is the SWMP coordinator of the project and, as such, is responsible for ensuring the instruction of workers and for implementing and overseeing the SWMP.

The site manager will monitor the effectiveness and accuracy of the SWMP during the routine site visits. Independent audits will also be completed by the Head Of WHSE via site inspections. Copies of these reports will be forwarded to the HSE manager for monitoring.

3. DISTRIBUTION

This SWMP will be communicated to the whole project team by the contract manager, who shall also distribute copies to the relevant authorities, client, project/ site manager, and each subcontractor where relevant/ applicable. This will be undertaken every time the plan is updated.

4. INSTRUCTION AND TRAINING

The site manager shall provide on-site briefing via induction of appropriate separation, handling, recycling, re-use, and return methods to be adopted by all parties and at appropriate stages of the project. Toolbox talks will be carried out regularly on waste issues and all subcontractors will be expected to attend. These toolbox talks are aimed at providing employees and subcontractors with the necessary information and instruction regarding waste management so that they understand the importance of the role they play and feel motivated to work together toward the same goals.

5. WASTE MANAGEMENT ON SITE

5.1 CATEGORIES

Waste materials fall into four categories for management. These are:

1. **Reuse.** If surplus materials can be used in future operations, they are classified as materials that can be reused.
2. **Recycling.** If surplus materials cannot be reused in their present form, they will be sent to recycling.
3. **Residual waste.** Residual waste can come in several forms, including waste that cannot be disposed of due to its nature (i.e., metals, contaminated waste), unused machinery, spare parts, or discarded parts.
4. **Landfill.** If the above options cannot be satisfied, materials will be sent to landfill. The project team must make all the necessary efforts to reuse and recycle materials generated on-site. **Landfill must be avoided and will only be used as a last resort.**

5.2 WASTE REGULATIONS IN NSW

Acts and regulations govern waste management in NSW. According to the EPA, those who handle, store, transport, process, recycle, and dispose of waste must follow these rules to minimize harm to human health and the environment. The waste legislation in NSW is as follows:

Protection of the Environment Operations Act 1997. It is the principal environmental protection legislation for NSW. The act:

- Defines 'waste' for regulatory purposes.
- Establishes management and licensing requirements for waste.
- Defines offenses relating to waste and sets penalties.
- Establishes the ability to set various waste management requirements via the Protection of the Environment Operations (Waste) Regulation 2014 (Waste Regulation).

Protection of the Environment Operations (Waste) Regulation 2014. The Waste Regulation allows the EPA to protect human health and the environment and provides a platform for a modern and fair waste industry. It includes strict thresholds for environment protection licenses and outlines the waste levy system.

Waste Avoidance and Resource Recovery Act 2001. The Waste Avoidance and Resource Recovery Act 2001 (WARR Act) promotes waste reduction and better use of our resources in NSW. It includes provisions for waste strategies and programs and for industry actions to reduce waste.

5.3 WAYS OF MINIMISING WASTE

Daily activities on this project will generate a wide range of residues such as general waste, obsolete infrastructure, and/or contaminated/ hazardous materials. To maximise waste management, the following waste hierarchy principles must be followed:

1. Reduce

Minimise waste production and over-consumption of materials by:

- Incorporating design and building practices that minimise waste production.
- Not over-ordering products or materials.
- Specifying project requirements and planning to avoid over-consumption of products and materials.
- Minimising rework from errors and poor workmanship.
- Ensuring storage areas are safe and secure.
- Arranging deliveries to match work stages to avoid materials being stored on-site longer than necessary.

2. Reuse

Wherever possible, reuse surplus or salvaged materials on-site, off-site, or on other projects:

- Establish a system whereby all products that can be reused (for the same purpose or a new one) are identified and stored.
- Repair items so they can be reused or returned to the supplier.

3. Recycle

All materials that can be recycled must be separated and sent to a recycling facility.

5.3.1 ACTIONS TABLE

Actions for minimising waste will be updated in the following table:

Current actions table		
Action	Responsibility	Notified on
Material inventory & just-in time ordering	TCG & SC	26/10/2023
Reuse & recycle	TCG & SC	26/10/2023
Waste Segregation	TCG & SC	26/10/2023
Training & Awareness	TCG & SC	26/10/2023
Regular Audits & Monitoring	TCG & SC	26/10/2023

5.4 DISPOSAL OF HAZARDOUS WASTES

All hazardous/hazardous materials found or used during the demolition and construction phases must be handled and disposed of by competent persons only, under the EPA NSW guidelines. These materials can include:

- Dangerous or hazardous liquids.
- Asbestos waste.
- Waste lead acid batteries.
- Contaminated soil.
- Fluorescent tubes and HID lamps, etc.

5.5 SITE WASTE MANAGEMENT PLAN CHECKLIST

Item description	Yes	No
Have the recycling and waste contractors been identified?	☒	☐
Have terms and commercial rates been agreed with contractors?	☒	☐
Has each material to be used on-site been identified?	☒	☐

Have all hazardous and toxic materials (e.g., asbestos) been identified and do they comply with SafeWork NSW requirements?	☒	☐
For off-site or disposal, have all the waste destination details been verified?	☒	☐
Has a waste segregation/ collection area been prepared?	☒	☐
Has the waste area been adequately signposted?	☒	☐
Has the quantity of general waste to be produced on-site been estimated? Is this estimation realistic?	☒	☐
Has the person responsible ensured not to over-order on materials?	☒	☐
Has the SWMP been approved by the contract manager?	☒	☐
Is returning waste to the supplier an option (e.g., plasterboard)?	☒	☐
Has the SWMP document control/ filing system been set up (site safety pack)?	☒	☐
Has the SWMP been communicated to the whole team and to the contractors?	☒	☐
Have all the SWMP training/ induction procedures for staff been met?	☒	☐
Have all the SWMP training/ induction procedures for contractors been met?	☒	☐
Comments/ further actions		
N/A		

5.6 WASTE CLASSIFICATION, QUANTITIES AND MANAGEMENT PRACTICES

A specific area shall be laid out and labelled to facilitate the separation of materials for potential recycling, salvage, reuse and return. Recycling and waste bins are to be kept clean and clearly marked in order to avoid contamination of materials.

Monitoring must take place to ensure contamination of segregated skips does not occur. The type of surplus materials being produced must be continually reviewed and site set-up modified where possible to maximise reuse and recycling. The use of landfill will be the last resort.

Waste classification, quantities and management practices					
Waste type	Classification	Waste stream	Quantity (approx.)	Waste destination	Contractor
Asbestos	Hazardous waste (special waste)		Nil	N/A	N/A
Batteries (lead-acid/ nickel-cadmium)	Hazardous waste		Nil	N/A	N/A
Bricks/ blocks	General waste (non-putrescible)	Re-use	Nil	N/A	N/A
Cardboard	General waste (non-putrescible)	Recycle	250m3	Dump it Recycling Centres	Dump it
Concrete	General waste (non-putrescible)	Re-use	10m3	Dump it Recycling Centres	Concrete

Containers of dangerous goods	Hazardous waste		Nil	N/A	N/A
General waste, including food	General waste (putrescible)		5t	Dump it Recycling Centres	Dump it
Metals	General waste (non-putrescible)	Re-use, recycle	10t	Steel to be placed within salvage area and re-use suitable members. Steel that cannot be re-used to be recycled	ACE
Mortar	General waste (non-putrescible)		2t	Dump it Recycling Centres	Dump it
Pallets	General waste (non-putrescible)		250pal	Salvage pallets via pallet pick up	Dump it
Paper	General waste (non-putrescible)	Recycle	1t	Dump it Recycling Centres / Shred X	Dump it
Plasterboard	General waste (non-putrescible)	Return, recycle	35t	Dump it Recycling Centres	Dump it
Plastic packaging/bags	General waste (non-putrescible)	Re-use, recycle	60M2	Dump it Recycling Centres	Dump it
Sanitary products	General waste (putrescible)		NA	Dump it Recycling Centres	Dump it
Soils		Re-use	11,800m3	Reused on-site	PF Civil
Subsoil (clean)		Recycle	10t	Recycled on site	Outsource Civil
Subsoil (hazardous)			N/A	N/A	N/A
Timber		Recycle	N/A	N/A	N/A
Trees/ plants			N/A	N/A	N/A

6. RELEVANT SIGNATURES

Contract manager (name and signature)	Kam Lau	Date	17/2/26
Contract manager (name and signature)	Daniel Pribadi	Date	17/2/26
Project Manager (name and signature)	Hazem Gergis	Date	17/2/26
Site Manager (name and signature)	Chris Day	Date	17/2/26

Taylor Construction Group Pty Ltd

ABN 25 067 428 344

Level 13, 157 Walker St, North Sydney NSW 2060

T 02 8736 9000 **F** 02 8736 9090



taylorau.com.au

TAYLOR