

SITE WASTE MANAGEMENT PLAN (SWMP)

Pendle Hill High School

Cornock Ave, Toongabbie



E-PLAN-01 (Rev. September 2019) | Amended by:

Approved by Andrew Andreou


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1. INTRODUCTION

1.1 PROJECT INFORMATION TABLE

PROJECT INFORMATION TABLE			
PROJECT NAME	Pendle Hill High School		
LOCATION	Cornock Ave, Toongabbie		
CLIENT	NSW Department of Education		
DURATION OF CONTRACT	19.5 months		
TAYLOR CONTACT INFORMATION			
COMPANY NAME	Taylor Construction Group Pty Ltd		
ABN	25 067 428 344		
ADDRESS	Level 13, 157 Walker Street, North Sydney 2060		
TELEPHONE & FAX	Ph.: 02 8736 9000 Fax: 02 8736 9090		
POSITION	CONTACT NAME	PHONE NUMBERS	
CHIEF OPERATING OFFICER	Clive Wickham	02 8736 9000	
GENERAL MANAGER	Ben Folkard	0414 705 457	
CONSTRUCTION MANAGER			
PROJECT MANAGER	Eddie Abramian	0416 855 558	
SITE MANAGER	George Boutros	0422 237 188	
HSE MANAGER	Andrew Andreou	0404 492 614	
SAFETY ADVISOR	Frank Fortakis	0412 107 373	
QUALITY MANAGER	Reza Pirmoradi	0402 496 770	
CONTRACT MANAGER			
CONTRACT ADMINISTRATOR	Ash Zeinolabedin	0422 590 223	
PROJECT COORDINATOR			
SITE ENGINEER			
FOREMAN/ LEADING HAND	Joseph Boutros	0421 545 441	
CADET			
DOCUMENT CONTROL	NAME & POSITION		SIGNATURE & DATE
PREPARED BY:	Eddie Abramian		 04/05/2021
REVIEWED BY:			
REVIEWED BY:			
REVISED BY	REV. No.	DATE	CHANGES MADE

1.2 PROJECT OVERVIEW AND SITE DESCRIPTION

Construction of new buildings to include 18 new permanent teaching spaces and the following core facilities built to Stream 12: - Lecture Learning unit, Library Unit, Administration Unit, Staff Unit, Student Amenities.
As well as refurbishments to Block E (existing library) and Block A (existing administration).

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 re-use 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 HSE manager 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 their 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 EPA, those who handle, store, transport, process, recycle and dispose of waste must follow these rules to minimize harm to human health and to 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 offences 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. With a view to maximizing 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 ahead 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 for 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 into the following table:

Current actions table		
Action	Responsibility	Notified on
Document to be updated to reflect SSD conditions once issued.	TCG	DPIE Website

5.4 DISPOSAL OF HAZARDOUS WASTES

All hazardous or dangerous materials found or to be used during the demolition and construction phases must be handled and disposed of by competent persons only, in accordance with 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?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Have terms and commercial rates been agreed with contractors?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Has each material to be used on site been identified?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Have all hazardous and toxic materials (e.g. asbestos) been identified and do they comply with SafeWork NSW requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
For off-site or disposal, have all the waste destination details been verified?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Has a waste segregation/ collection area been prepared?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Has the waste area been adequately signposted?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Has the quantity of general waste to be produced on site been estimated? Is this estimation realistic?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Has the person responsible ensured not to over order on materials?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Has the SWMP been approved by the contract manager?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is returning waste to the supplier an option (e.g. plasterboard)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Has the SWMP document control/ filing system been set up (site safety pack)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Has the SWMP been communicated to the whole team and to the contractors?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have all the SWMP training/ induction procedures for staff been met?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have all the SWMP training/ induction procedures for contractors been met?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments/ further actions		
Early phase. Document to be developed further and updated accordingly to reflect works on site.		

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)		TBC	Appropriate EPA approved facility.	PF Civil
Batteries (lead-acid/ nickel-cadmium)	Hazardous waste		TBC	Appropriate EPA approved facility.	PF Civil
Bricks/ blocks	General waste (non-putrescible)	Re-use	47T	Bingo Eastern Creek	Bingo
Cardboard	General waste (non-putrescible)	Recycle	19T	Bingo Eastern Creek	Bingo
Concrete	General waste (non-putrescible)	Re-use	49T	38a Wildermere Rd, Wetherill Park	Boral 11815
Containers of dangerous goods	Hazardous waste		TBC	Appropriate EPA approved facility.	PF Civil
General waste, including food	General waste (putrescible)		4T	Bingo Eastern Creek	Bingo
Metals	General waste (non-putrescible)	Re-use, recycle	21T	45 Tattersall Rd, Kings Park	Sell & Parker 11556

Mortar	General waste (non-putrescible)	5T		38a Wildermere Rd, Wetherill Park	Boral 11815
Pallets	General waste (non-putrescible)	10T		Bingo Eastern Creek	Bingo
Paper	General waste (non-putrescible)	Recycle		88 Redfern St, Wetherill Park	Grima 20648
Plasterboard	General waste (non-putrescible)	Return, recycle		88 Redfern St, Wetherill Park	Grima 20648
Plastic packaging/bags	General waste (non-putrescible)	Re-use, recycle		88 Redfern St, Wetherill Park	Grima 20648
Sanitary products	General waste (putrescible)	2T		Bingo Eastern Creek	Bingo

6. RELEVANT SIGNATURES

Project Manager (name and signature)	Eddie Abramian	Date	04/05/2021
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TAYLOR