



Environmental Management Action Plan

Version 6 14 June 2019

Overview

This environmental management action plan has been developed for civil and cleaning works where it has been assessed there is the possibility of environmental damage resulting from contracts undertaken TST. This is a supplementary policy to TST Business System.

Planning, Zoning and Approvals

All planning approvals – Local Environmental Plans etc – have been granted to the developer/principal contractor or TST as contractor or sub-contractor.

The following approval checks are made as part of the pre-construction process to ensure environmental damage is minimised at all stages of construction. Sign off are obtained before work commences.

Environmental Management Plan (EMP): Addresses the relevant issues associated with the project such as:

Climate and air quality – Drainage and water quality
Flora and fauna – Social environment
Traffic and public amenity – Waste and hazardous materials
Noise – Utilities and services – Work and public safety

Typical Site Work Site undertaken by TST:

- Cleaning services – all cleaning tasks (both indoors and outdoors) are carried out using environmentally approved cleaning agents (meet Australian Standards) with the lowest level of chemical impact always chosen as our preferred cleaning agents. Similarly, these chemicals result in the least danger for disposal and recycling.
- All work is carried out in accordance with Australian Standards (unless otherwise specified in the client specifications – where a concession has been granted)
- Inspection and Testing is carried out as work progresses to ensure no environmental damage occurs – especially during and after any cleaning and maintenance work.

- Any cleaning works carried out are inspected and signed off in accordance with TST or client Inspection Test Plans and an Inspector and referred to the principal contractor for information and claims.

Incident Management Plan

If the following occurs – spillage of chemicals, sewer overflow, sedimentation of waterways, damage to flora/heritage items, fire, flooding, complaints, traffic accidents or extensive delays.

TST has in place

- SWMS – Handling and Storing Hazardous Substances (Site Folder)
- SDS information sheets on chemicals on site (Site Folder)
- Fire extinguisher in vehicle
- Sediment socks to prevent or stem minor flooding (Site Folder)
- Traffic/Pedestrian Control Plan if cleaning road and walkways(Site Folder)
- Contact Sydney Water, AGL, Telstra etc emergency response numbers

Emergency Contact Details – see list – located on back cover of TST’s Site Folder.

Risks Covered

- Personal injury – Environmental Damage
- Damage to Client Asset – Damage to adjoining properties
- Breaching Environmental and Waste Management Legislation

Site Plan: Provided by client to show areas to be cleaned and serviced.

Environmental Hazards and Action to be taken

The following processes adopted from EPA requirements is designed to minimise environmental damage and describe how TST deals with hazards occurring during the execution of cleaning to satisfy the client.

Hazard	Action to be taken	Responsibility
Climate and Air Quality		
Dust emissions from cleaning activities	No work will be undertaken during periods of high winds. Access to the site will be kept to a minimum and when necessary will be from a controlled entry.	Principal Contractor or TST
Air Pollutants from Vehicles and machinery	Daily visual checks on vehicles and plant used (safety and operability) Operators Log will be examined as part of the Toolbox Meeting.	
	Deodorises and scrubbers etc will be employed to minimise odour emissions	
Erosion and Sediment Controls		
High Velocity water discharges may cause		Principal Contractor

erosion and sedimentation to occur		orTST
Drainage and Water Quality Control		
Water pollution and soil contamination resulting from inappropriate containment of chemicals, fuels and wastes. Discharge of chlorinated water Sewage Spills	All chemicals, fuels and wastes to be kept in sealed containers or banded. Only minimum hazardous substances – e.g. sealants and these are kept in proper containers in vehicles and the SDS are available for reference. Chlorinated water will be discharged into stormwater drains, over grassed areas only All chlorinated water used on site will be tested to ensure that if over .5 mg/L and a pH between 6.5 and 9 will not be released into the environment.	Principal Contractor or TST
Flora and Fauna Impacts and Safeguards		
Flora and Fauna may lose their habitat Damage to tree roots and trunks	Damage caused from outdoor (carpark) cleaning where runoff enters the surrounding grass and vegetation areas. Safeguards are employed	Principal Contractor or TST
Social Environment		
Surrounding neighbourhood can be disturbed by cleaning activities		Principal Contractor or TST
Noise Impacts and Safeguards		
Neighbourhood (includes businesses) and employees affected by excess noise from cleaning activities	All plant and equipment used on site will comply with EPA guidelines. No plant or equipment will be left on site overnight unless compounded or securely locked down Plant will not be left running when not used and where appropriate fitted with silencers Construction to be limited to the hours between 7.00am and 6.00pm Monday to Friday. Any variations to this time allocation will be at the direction of the principal and No weekend work is undertaken unless approved.	Principal Contractor or TST
Traffic and Public Amenity		
Safe access and thoroughfare must be provided for public. Increase in traffic movements.	TST develops and adheres to a Traffic Control Plan – approved by LGA or RTA as appropriate. Implement an Traffic and Pedestrian Control Plan – which includes – Signal staff if traffic reduced to one lane, barricades, tape and signs (e.g. use other footpath)	Principal Contractor or TST

Road/Footpath closures – restricted vehicle and pedestrian access	if pedestrian traffic affected. Barricades, flashing lights, road plating etc to ensure security and safety between shifts.	
Waste & Hazardous Materials		
Workers will generate general garbage and human waste. Possible spills of liquid waste.	Garbage containers with sealable lids will be used to contain general garbage and emptied daily from site. TST (or principal contractor) – organises waste removal from the site. Prior to removal waste will be stored in appropriate containers/skip bins and no hazardous substance to be left open on site. Liquid waste will be contained in appropriate sealed containers that prevent the escape and leaching. Any waste materials able to be recycled are to be separated and taken to a recycling facility.	Principal Contractor or TST
Heritage		
Possible damage or impact on heritage sites.	The involving heritage sites will be approved prior to commencement and if any further significant findings are made – work will cease. The principal notified and appropriate action for rectification sought.	Principal Contractor or TST

Responsibilities

The organisations listed below are responsible to ensure the conduct of this project proceeds in accordance with this EMP for the project;

- TST Pty Ltd
- Principal Contractor/Developer
- Relevant Authorities