

WALSH BAY ARTS AND CULTURAL PRECINCT

RESPONSE TO SUBMISSIONS

SSDA 8671

APPENDIX 10:

ADDITIONAL CONSTRUCTION MANAGEMENT MEASURES

Controls for Spills and Leakages

In accordance with the Principal Contractor's Environmental Management System, the Principal Contractor will include the management of spills and leakages during construction in accordance with the requirements of the EPA and any applicable regulatory requirements, to minimise the risk of spills to the environment. Including but not limited to:

- Regular inspections of valves, pumps, pipes and hoses;
- Preventative maintenance of plant onsite;
- Isolation of tanks and bunding where applicable;
- Requirement of spill kits; and
- Isolation and installation of barriers onsite to stop substances entering the environment once they have escaped based on a risk analysis of the location and stored substances.

During pouring of concrete, the areas adjacent to the pumping equipment will be assessed for risk of concreting material entering the harbour. The risk mitigating measures may include local silt fences along the edge of the pier, temporary hay bales to catch any cement slurry runoff, temporary plastic sheeting to catch any concrete spills.

Site Discharge and Erosion/Sediment Control

The existing stormwater provisions to collect and divert stormwater to the council mains will be maintained at all times during construction. The existing surface pits and grated drains will be protected from any silt or construction debris entering the system. The protective measures may include filter fabric, hay bales and temporary diversion gutters and drains.

The Contractor will be expected to carry out minimum weekly inspections of all erosion and sediment controls, including pre-and post-heavy rainfall events. Regular reporting will be in accordance with the Principal Contractor's Environmental Management System.

Any water discharged into the harbour must comply with the Protection of the Environment Operations Act 1997, Sydney Water Corporation's Trade Waste Agreement and City of Sydney Council's water quality requirements.

Truck Wash Facilities

As the project consists of redevelopment of the existing premises, with trucks being confined within the construction zones and hardstand areas a truck wash facility will not be required onsite.

Construction zones will be kept clean at all times to ensure tyres of trucks and vehicles exit in the same condition that they have entered.

Silt Protection of the Marine Environment

During construction, silt curtains may be required within the construction area if any sediment generation is expected within the immediate construction areas. Daily monitoring by the *Principal Contractor* may be required, although it is not expected to be required with the proposed works.

Silt curtains should be installed prior to proposed works with at least a 5 -15 m buffer to allow for the influence of tides, wind, waves and currents if works are expected to generate sediment. Vessel movements in and out of the silt curtain should be minimised during the course of work; and suspended sediments should be allowed to settle prior to removal of the curtain.

Water Quality Monitoring

Monitoring of water quality measures (primarily turbidity) will be considered to validate the effectiveness of the sediment control measures.

Monitoring could include:

- Visual inspection of water turbidity and sediment plumes;
- Visual monitoring for plumes and gross pollutants; and
- Monitoring of metal contaminants that had been recorded in the sediments.

A suitable approach to monitoring water quality will include:

- Sampling of turbidity immediately inside and outside of the silt curtain, if applicable; and;
- Baseline monitoring of water quality in the immediate vicinity of Walsh Bay to provide data for comparison with measurements during construction.

Implementation of the above controls should be sufficient to reduce residual impacts to the marine environment by the *Principal Contractor* to acceptable levels based on a regular monitoring regime. The *Principal Contractor* is to confirm final monitoring requirements in their final *Environmental, Construction and Site Management Plan*.