

No.	Action	Staging	Responsibility	Performance target	Method of measurement
	groups in the Waterfront Drive sports pavilion. Area around pavilion to have formal tree avenue.		CS	storage and changing. Formal tree avenue around the pavilion.	groups.
8.34	Use Evan Jones Lecture Theatre as a shared public resource by all health organisations on site.	Ongoing	HS	Work with site tenants to develop process for booking and allocations. Use of lecture theatre.	Agreement between site tenants for booking and allocation process. Bookings for Evan Jones Lecture Theatre.

4.4.9 Pollution

Scope of the system

The scope of this system relates to both the existing areas of the site that are or maybe contaminated due to past activities and the capacity for uses and new activities to pollute and damage the existing environment in and around Callan Park.

Existing condition and situation

Although a number of contamination studies have been undertaken over the past ten years the extent of ground contamination at Callan Park has not been definitively defined. However a series of zones have been established as areas of concern where further studies and remediation will be required as part of the implementation of the 2011 Master Plan. There is also an understanding that there are high pollutant levels in all sediments along the shore of Iron Cove. The master plan process has not been able to quantify the volumes of polluting materials and chemicals that are used and released by the existing uses based on Callan Park or how these materials are processed.



Master Plan objectives and targets

The actions and initiatives of the 2011 Master Plan provide an opportunity for site wide remediation in association with project delivery. The overarching object will be to establish all areas with contamination and definitively cap or remediate these areas.

Implementation

Figure 4.11 Pollution in Callan Park

POLLUTION

tested areas for evaluate significant pollution

Further investigation required to determine extent of sediment pollution to foreshore seabed - Testing and remediation to be carried out as part of any foreshore works and projects

Area 7: Iron Cove Foreshore: Some volumes of uncontrolled fill material requiring capping management - Further investigation and remediation to be undertaken as part of any foreshore project implementation

Area 4: Ward 14 fill area: Considerable volumes of uncontrolled fill material requiring capping management - Further investigation and remediation to be carried out as part of vegetation works on the embankment

Area 5: Water front Drive sports fields: Considerable volumes of uncontrolled fill material requiring capping management - Further investigation and remediation work to be carried out as part of realignment work

Asbestos fencing around B206 - Further investigations to be carried out prior to removal and associated site remediation work

Area 6: Lower Glover Street Oval: Considerable volumes of uncontrolled fill material requiring capping management - Further investigation and remediation to be carried out as part of oval reinstatement works

Area 1: Maintenance building: Decommissioning and removal of UTS and capping management - Oil tank removed April/May 2010

Area 3: East of Sydney College of Arts: Considerable volumes of uncontrolled fill material requiring capping management - Further investigation and remediation to be carried out as part of road narrowing works and heritage garden restoration

Area 8: Swimming pool fill area: Requiring capping management -Further investigation and remediation work to be carried out as part of conversion of swimming pool into water storage facility

Area 2: Former Boiler House: Minimal implication. Further investigation and remediation to be undertaken as part of bush regeneration initiative

CALLAN PARK MASTER PLAN

POLLUTION

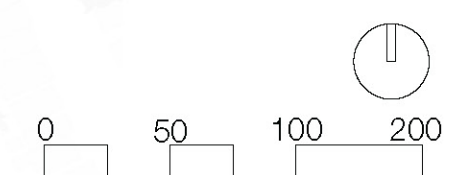


Table 4.10 Pollution actions in Callan Park

No.	Action	Staging	Responsibility	Performance target	Method of measurement
9.1	Undertake site-wide contamination studies to support the Master Plan proposals and actions. Develop an ongoing remediation strategy for project delivery.	Initiation	PA	Site-wide contamination study and remediation strategy completed.	Site-wide contamination and remediation strategy report.
9.2	Develop a framework for future uses to adhere to achieve zero pollutants, including establishing supply chains.	Initiation	CS/ES/HS	Framework completed.	Agreed framework for future uses to achieve zero pollutants. Monitoring of supply chains.
9.3	Develop a framework for the collection of organic waste for onsite composting from surrounding neighbourhoods.	Initiation	PA/CS	Consultation with people interested in composting. Framework completed.	On-site composting in operation. Use of compost on-site.
9.4	Work with existing users on Callan Park to audit existing consumption of pollutants and chemicals and then develop strategies for achieving zero pollution.	Initiation	CS/ES/HS	Audit of existing consumption of pollutants and chemicals. Consult with existing users. Strategies developed to achieve zero pollution.	Baseline pollution audit. Strategy for zero pollution produced.
9.5	Undertake further investigation to determine extent of sediment pollution to foreshore seabed. Testing and remediation to be carried out as part of any foreshore works and projects.	Initiation	PA/PP	Co-ordination of work and testing with NSW Maritime.	Report on sediment pollution of the foreshore seabed.
9.6	Manage capping of considerable volumes of uncontrolled fill material in Area 5: Waterfront Drive sports fields. Carry out further investigation and remediation work as part of realignment work.	Short term	PA/PP	Carry out further local contamination investigations as necessary. Develop a plan for the recycling of all non-hazardous materials. Co-ordination of work with sports fields	Reports on fill investigation and remediation work required.

No.	Action	Staging	Responsibility	Performance target	Method of measurement
				realignment.	
9.7	Manage capping of considerable volumes of uncontrolled fill material in Area 6: Lower Glover Street Oval. Carry out further investigation and remediation as part of oval reinstatement works.	Short term	PA/PP	Carry out further local contamination investigations as necessary Develop a plan for the recycling of all non-hazardous materials. Co-ordination of work with sports fields realignment work.	Reports on fill investigation and remediation work required.
9.8	Manage capping of Area 8: Swimming pool fill area. Carry out further investigation and remediation work as part of conversion of swimming pool into water storage facility.	Short term	PA/PP	Carry out further local contamination investigations as necessary. Develop a plan for the recycling of all non-hazardous materials. Co-ordination of work with Callan Park Farm initiation works.	Reports on fill investigation and remediation work required.
9.9	Further investigation and remediation of Area 2: Former Boiler House to be undertaken as part of bush regeneration initiative.	Medium term	PA/PP	Carry out further local contamination investigations as necessary. Develop a plan for the recycling of all non-hazardous materials. Co-ordination of work with bush care group.	Reports on fill investigation and remediation work required.
9.10	Manage capping of considerable volumes of uncontrolled fill material in Area 3: East of Sydney College of Arts. Carry out further investigation and remediation as part of road narrowing works and heritage garden restoration.	Medium term	PA/PP	Carry out further local contamination investigations as necessary Develop a plan for the recycling of all non-hazardous materials. Co-ordination of work with public domain works.	Reports on fill investigation and remediation work required.
9.11	Manage capping of considerable volumes of uncontrolled fill material requiring capping	Medium term	PA/PP	Carry out further local contamination investigations as necessary	Reports on fill investigation and remediation work required.

No.	Action	Staging	Responsibility	Performance target	Method of measurement
	<p>management Area 4: Ward 14 fill area.</p> <p>Carry out further investigation and remediation as part of vegetation works on the embankment.</p>			<p>Develop a plan for the recycling of all non-hazardous materials.</p> <p>Co-ordination of work with bush care group.</p>	
9.12	<p>Carry out further investigations of asbestos fencing around B206 prior to removal and associated site remediation work.</p>	Medium term	PA/PP	<p>Carry out further local contamination investigations as necessary.</p> <p>Develop a plan for the recycling of all non-hazardous materials.</p> <p>Co-ordination of work with sports fields realignment.</p>	<p>Reports on asbestos and remediation work required.</p>
9.13	<p>Manage capping of some volumes of uncontrolled fill material in Area 7: Iron Cove Foreshore.</p> <p>Carry out further investigation and remediation as part of any foreshore project implementation.</p>	Various dependent on sub projects	PA/PP	<p>Carry out further local contamination investigations as necessary</p> <p>Develop a plan for the recycling of all non-hazardous materials.</p> <p>Co-ordination of work with various foreshore projects such as the Bay Run, Veteran's Field and Boardwalk at Callan Point.</p>	<p>Reports on fill investigation and remediation work required.</p>