

UNEXPECTED CONTAMINATED LAND AND ASBESTOS FINDS PROCEDURE


Western Harbour Tunnel and Warringah Freeway Upgrade

Stage 1A Early and Enabling Works - Critical utility installation, relocation and protection works

March 2021

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List of emergency and key contacts

Position	Name	Phone
EPA pollution hotline		131 555
Fire and Rescue NSW		000 (for pollution incidents that present an immediate threat to human health or property) 1300 729 579 (for pollution incidents that do not present an immediate threat to human health or property)
The Ministry of Health		(02) 9391 9000
SafeWork NSW		131 050
North Sydney Council		(02) 9936 8100
24 hour community information line		1800 931 189
SPA Environmental Manager		
SPA Community Manager		
SPA Project Manager		
SPA Superintendent		
Environmental Representative		
Transport for NSW Representative (Greater Sydney Project Office)		
Transport for NSW Environmental Representative (Motorways)		
Suitably qualified Contaminated Land Consultant		

Roles and responsibilities

SPA Site supervisor

- Ensure this Unexpected Contaminated Land and Asbestos Finds Procedure is implemented throughout construction
- Stop work immediately upon becoming aware of a suspected unexpected contamination find
- Inform Environment Manager of unexpected find
- Assist Environment Manager in recording details of unexpected finds
- Work with Environment Manager to develop a plan for managing and/or remediating the unexpected find
- In coordination with the Environment Manager, implement the plan for the management and/or remediation of the unexpected find
- Ensure asbestos removalist (if required) are appropriately licenced
- If required, treat ASS on site to neutralise potential impact to environment
- Recommence work following approval from the Environment Manager
- Prior to any waste being removed from site ensure the waste been classified in accordance with the NSW EPA Waste Classification requirements

SPA Environment Manager

- Ensure this Unexpected Contaminated Land and Asbestos Finds Procedure is implemented throughout construction
- Record details of unexpected find
- Engage suitably qualified contaminated land consultant following unexpected find
- Assist suitably qualified contaminated land consultant in the investigation and assessment of unexpected find
- Work with Site Supervisor to develop a plan for managing and/or remediating the unexpected find
- Advise Site Supervisor of appropriate ASS treatment method to neutralise any potential threat to the environment
- In coordination with the Site Supervisor, implement the plan for the management and/or remediation of the unexpected find
- Engage licenced asbestos removalist if required
- Following successful management of the unexpected finds, issue the Site Supervisor with approval to recommence work.

Suitably Qualified Contaminated Land Consultant

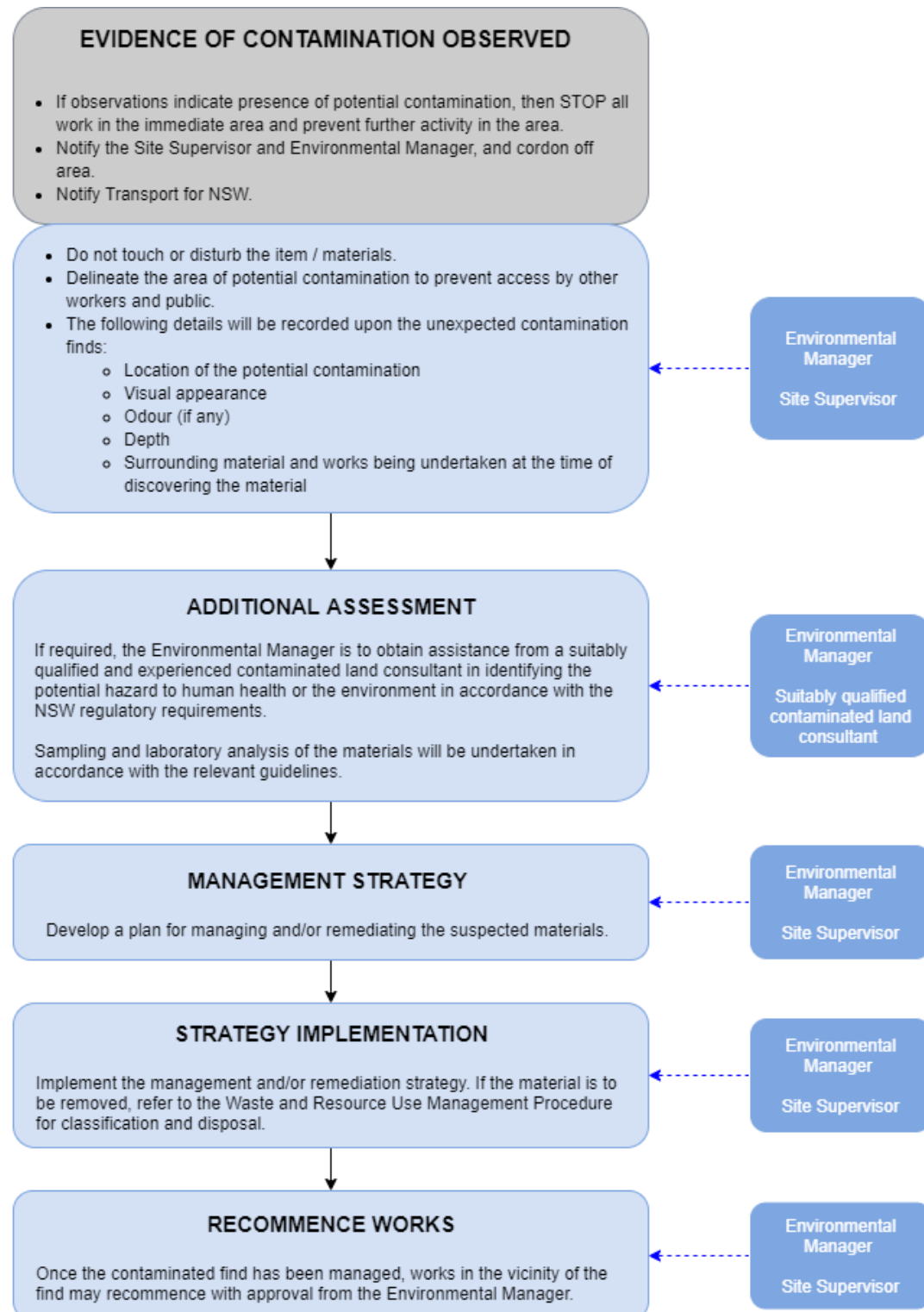
- Identify the potential hazard to human health and/or the environment in accordance with applicable legislative requirements
- Undertake sampling of unexpected finds for laboratory analysis
- Undertake waste classification of any waste to be removed from site in accordance with the NSW EPA Waste Classification requirements
- Issue asbestos clearance certification (if required)

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Soil and Water Management Procedure

UNEXPECTED CONTAMINATED LAND AND ASBESTOS FINDS PROCEDURE

Unexpected Finds Procedure



The Unexpected Finds Procedure for Contamination must be followed should unexpected contamination or asbestos (or suspected contamination) be excavated or otherwise discovered. In accordance with Revised Environmental Management Measure SG11, this unexpected finds procedure has been prepared with consideration of the *Guideline for the Contamination of Management – Factsheet 12* (TfNSW, 2013).

Likelihood of contamination

The following indicates the presence of potentially contaminated material; where material is uncovered which displays some or all of these characteristics, stop works and notify the Environment Manager:

- Unusual odour from soils that are not detected in other similar areas
- Discolouration or staining of soil or rock
- Seepage of unusual liquids from soil or rock
- Unusual odours, sheen or colour on groundwater and/or surface water
- Unusual metal objects
- Unexpected underground storage tanks, buried drums or machinery etc.
- Presence of waste or rubbish above or below ground
- Potential asbestos containing material

Where these factors are identified, the material is considered to be possibly contaminated and the flowchart is to be followed.

Asbestos

An unexpected asbestos find occurs when asbestos containing materials (ACM), not identified in the Asbestos Register, are found on site. In the event of an unexpected asbestos find, the below steps are to be followed along with the flowchart:

1. The area is to be demarcated, works in the area to cease and workers warned
2. Notify the Environmental Manager and Site Supervisor.
3. Ensure the soil and potential asbestos remain damp with dust suppression or covered where water cannot be accessed.
4. Arrange for testing of the suspected ACM and monitoring of the area (if required)
5. An asbestos removalist is to be engaged to provide recommendations to treat the area, as required
6. A clearance certificate is required from the asbestos removalist to confirm that the area is to be made safe.

Acid Sulfate Soils

The EIS indicated that there is high probability of ASS occurrence within Sydney Harbour and Rozelle Bay. The critical utility works are unlikely to be undertaken within these known areas of ASS.

If detailed investigations determine high-risk ASS, then it will be identified on relevant sensitive area plans and should works require impacts to ASS, the works will be undertaken in accordance with this procedure.

If ASS is encountered, possible management strategies include:

- Modifying the work to avoid the area of ASS.
- Delineation and removal of material to a suitably licenced facility.
- Onsite treatment to neutralise the ASS, which could include the application of lime.

The management of ASS includes appropriate erosion and sediment controls to minimise the potential for pollution to waters.

Any material to be removed off-site will be classified in accordance with the NSW EPA Waste Classification requirements.