

Environmental Health Referral Response - acid sulfate soils

Application Number:	DA2022/0947
Date:	07/07/2022
Responsible Officer	Gareth David
Land to be developed (Address):	<p>Lot 47 DP 12749 , 7 Richard Road SCOTLAND ISLAND NSW 2105</p> <p>Lot LIC 496058 , 7 Richard Road SCOTLAND ISLAND NSW 2105</p> <p>Lot 48 DP 12749 , 5 Richard Road SCOTLAND ISLAND NSW 2105</p> <p>Lot LIC 496057 , 5 Richard Road SCOTLAND ISLAND NSW 2105</p>

Reasons for referral

This application seeks consent for one or more of the following:

- All development in class 1 land
- Any works below ground surface or will lower water table in area class 2 land
- Any works beyond 1 metre or lower water table by 1 metre in class 3 land
- Any works beyond 2 metres or lower water table by 2 metres in class 4 land
- Works on land below 10 metres AHD and within 500m of class 1, 2, 3 or 4 land which are likely to lower water table below 1 metre

And as such, Council's Environmental Investigations officers are required to consider the likely impacts.

Officer comments

General Comments

Proposal for a jetty and pontoon will not result in the disturbance of 1000kg of disturbed potential (oxidisable) acid sulfate soils (PASS). This is the trigger value for an 'Acid Sulfate Soils Management Plan' under the *Acid Sulfate Soil Manual (1998)*. Given that pile removal and installation happens through the medium of water via barge-mounted equipment, the exposure of PASS to oxygen is expected to be minimal and of a reduced, if not, low risk of harm to environment. Please see the below condition that includes practical measures for managing acid sulfate soils for this circumstance.

The proposal is therefore supported.

Note: Should you have any concerns with the referral comments above, please discuss these with the Responsible Officer.

Recommended Environmental Investigations Conditions:

CONDITIONS TO BE COMPLIED WITH DURING DEMOLITION AND BUILDING WORK

Acid Sulfate Soil Precautionary Measures

1. Pile removal and placement works are to be enclosed using a floating silt curtain to facilitate rapid dispersal of disturbed sediments back to the seabed.
2. All seabed sedimental material on demolished piles is to be hosed off piles prior to piles leaving the silt curtain area, preferably as each pile is being pulled.
3. Piles or demolition material with adhered sub-surface seabed sediment that cannot be cleaned immediately but needs to be stored exposed to air prior to cleaning must be washed and hosed off into estuarine waters contained by the floating silt curtain as soon as practicable with a maximum exposure time of 18 hours.
4. For any pile or other demolition material with adhered sediment that cannot be cleaned immediately, the operator/contractor must keep a log book entry of the time of extraction out of the water, the manner and place of storage of the material and the time, manner and placement of hosed off material (in accordance with point 3 above).

Reason: Minimise the likelihood of environmental harm..