



Acid Sulfate Soils Investigation and Management Plan

Main Beach Road, Pinkenba

Our client is proposing the construction of a new building at their resource recovery facility on Main Beach Road, Pinkenba. The site sits at 3-4 metre Australian Height Datum (mAHD). Acid Sulfate Soils (ASS) can generally be found at 5 mAHD or below, although in some locations it can be found above 5 mAHD. To ensure development doesn't disturb ASS during earthworks, an investigation is required to assess the presence of ASS. If actual or potential ASS is identified during the investigation a Management Plan is required to prevent the earthworks releasing acid into the environment.

For the Main Beach Road project S5 Environmental used one of Soil Surveys Engineering's 4WD mounted drilling rigs. Eight boreholes were drilled across the site with samples collected at regular intervals from each borehole.

The investigation identified the presence of potential ASS and a Management Plan was prepared to enable excavated soils to be managed appropriately. Generally, this management involves the mixing of agricultural lime (aglime) with the excavated soils to neutralise the acidity. In situations where site constraints prevent soils from being stockpiled and treated on site, it is possible to transport the affected soils directly to a licenced off-site treatment facility, provided the soil is not saturated and is covered to prevent soil being lost from the truck during transport.



Project Overview
New Building Main Beach Road

Project Value
AUD \$9,000

Services
~ Acid Sulfate Soil Investigation and Management Plan

Completion Date
March 2019