

ASH STORAGE AREA DETAILS

The dam was built progressively since the 1950's to contain ash within power station land.

Ash Dam area covers 2.2 square kilometres (km²) or 220 Hectares with a perimeter of 6 kilometres.

Rain water from the ash storage area flows into Hospital Creek, is constantly monitored and meets all environmental standards.

Ash storage area has levee banks that are 1 to 3 meters higher than the storage area.

Dust monitoring continues with results provided to the Environment Protection Authority on a monthly basis.

Flinders Power are installing 3 real time air quality monitoring stations around the storage area and activities will be modified to address the information received.

NORTH POND MANAGEMENT

The other activity to be undertaken will be to backfill the pond at the northern end of the ash storage area with material to minimise odour, which will occur as the pond drains. The initial works are an interim procedure until the full rehabilitation activities are conducted. This work is expected to begin mid November.



Flinders Power

Augusta Power Stations
Power Station Road
Port Augusta
PO Box 15, Port Augusta SA, 5700

E: enquiries@flinderspower.com.au

P: 0419 252 760

November 2016

ASH STORAGE AREA REHABILITATION



INFORMATION SHEET

ASH STORAGE AREA—MANAGEMENT PROCESSES PRIOR TO FULL REHABILITATION

FLINDERS POWER

This information is provided to you as a part of Flinders Power's ongoing commitment to keeping the local community informed of what is occurring at Augusta Power Stations.

Flinders Power is responsible for the deconstruction of the Augusta Power Stations and rehabilitation of the site. As part of the site rehabilitation, plans are being developed to remediate the 220 hectare ash storage area.

ASH STORAGE AREA

The ash storage area has been used since the Playford Power Station commenced operations right through until Northern Power Station ceased generation in May 2016.

Previously, Flinders Power used a seawater flooding technique comprising a slurry of ash and water to provide moisture on the surface of the storage area, allowing a salt crust to form on the ash surface and preventing dust being emitted in windy conditions.



APS Ash Storage area

Flooding since closure has only been able to be done with seawater. Without the benefit of the ash the seawater is not spreading over the storage area and the levelling salt crust is not developing as effectively.

Flinders Power has trialled multiple flooding techniques including building new pipe infrastructure to different parts of the storage area to facilitate water flow. Although improving



Seawater Flooding Technique

dust management there remains concerns that this will not be successful long term.

Flinders Power has also conducted a trial in August, approved by Environment Protection Authority, to spray dust suppressant over 15 ha of the storage area. The suppressant being used is environmentally safe and has been approved by the relevant authorities. The suppressant is dyed with food colouring to provide clear indication of areas covered. This trial has been very successful.

INTERIM ASH STORAGE AREA ARRANGEMENTS

While the final rehabilitation plans are being finalised and approved by key stakeholders, Flinders Power's short-term plans will be actioned to:

- Minimise dust emissions from the storage area;
- Dry the area out to allow permanent rehabilitation activities to commence in the near future; and
- Minimise odour released from the North pond area.

IMMEDIATE ACTIONS

Given the success of the trial, dust suppressant will be sprayed over the entire ash storage area surface to prevent

dust emission in windy conditions. The intended start date is 7th November and completed within 3 weeks. This will be performed by utilising two methods:

Method 1

Application of dust suppressant through traditional spraying methods using water carts and manual hoses. This process will be used in areas accessible from the storage area levees.

Method 2

In areas of the storage area that cannot be accessed using traditional equipment, such as, the middle reaches of the storage area, Flinders Power will apply dust suppressant through the use of a crop-dusting aeroplane. This method was trialled successfully this year. It will not be applied during adverse weather conditions.



Crop Dusting Method



Dust Suppressant after application by crop-duster