

# Enviro Facts



## HAZELWOOD MINE

### Topsoil management at Hazelwood

Topsoil is a critical component of rehabilitation. It provides organic matter, seed and microbiological activity, all of which are important components of successful rehabilitation.

Topsoil used in the rehabilitation of the Mine batters is sourced on site, coming from the area where the dredger is digging overburden.

Topsoil stripping has been occurring over the past couple of months as removing and stockpiling topsoil during the wet months can lead to a degradation in soil quality. This is well-planned and includes the following activities:

1. Calculating what area (and quantity) of topsoil needs to be removed so that the overburden dredger can operate without digging up any topsoil over the wet months.
2. Determining whether or not the topsoil can be directly used in rehabilitation and where it can be stockpiled for use in future rehabilitation.
3. Pushing up topsoil into windrows for removal by truck and shovel.
4. If the topsoil is being stockpiled, stockpiles are made as low as possible (less than two metres in height) which follows industry leading practice.
5. Stockpiles are also surveyed and monitored for plant germination, weeds and erosion.



*A soil profile typically seen in the Northfield*



*A topsoil windrow that has been pushed up*

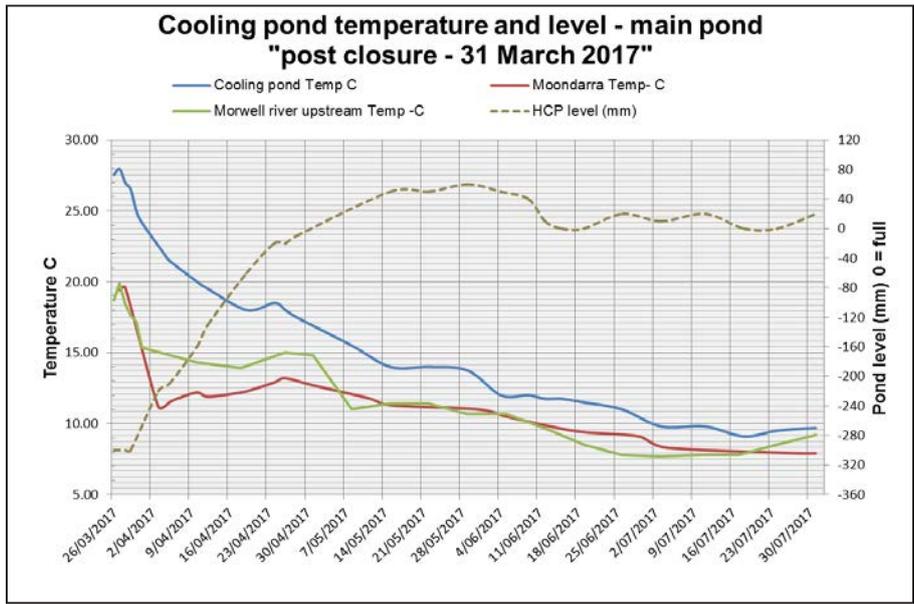
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## HAZELWOOD POWER STATION

### Cooling Pond temperature drops

The figure below shows the change in temperature of the Hazelwood Cooling Pond (HCP) compared to Moondarra Reservoir and the Morwell River upstream of the HCP discharge post the closure of the Power Station.



### Below average rainfall recorded

The June rainfall was the second lowest on record and the rainfall to July is 145 mm below average. If you thought it has been a cold start to the mornings you would be right with three sub-zero mornings in June, another 11 in July and the first two days of August.

### Rainfall Summary 1982 to 2017

