

APPENDIX G – SANDBAG ARRANGEMENTS

General

Appropriately placed sandbags can help reduce the impact of flooding to residences, businesses and infrastructure. While sandbags will not completely stop all floodwater, they may reduce the amount of water entering properties.

The IC will determine the priorities related to the use of sandbags, which will be consistent with the strategic priorities and the VICSES Sandbag policy.

If VICSES sandbags are becoming limited in supply, then priority will be given to protection of Essential Infrastructure. If time permits, requests for supplementary supply should be carried out in line with the Cardinia MEMP.

The Incident Controller will ensure that owners of Essential Infrastructure are kept advised of the flood situation. Essential Infrastructure providers must keep the Incident Controller informed of their status and ongoing ability to provide services.

Cardinia Shire Council MERO will liaise with the VICSES Central Region RDO/ IC (as appropriate) to ensure effective coordination of listed resources.

Sandbags will be filled in accordance with the VICSES Sandbag [Quick Reference Guide](#) and the VICSES State-wide Guideline- Sandbags. A short video depicting the filling procedures and the correct usage of sandbags is available at <https://www.youtube.com/watch?v=-T--l3b-34&list=PL428FCA686837ADED> (Sandbagging demonstration- VICSESTV on YouTube).

Sand may be obtained from the suppliers/locations noted below and as stated in the VICSES MOU: Sand Supply.

Operational

Sandbag Storage Locations

Sandbags may be obtained from any of the locations as noted below.

Organisation	Location	Number of Sandbags	Estimated Response Time	Contact
Cardinia Shire Council Depot	Depot address	0	0-0.5 hrs business hours 1-2 hrs after hours and weekends	
Pakenham VICSES Unit	780 Princes Highway Pakenham	2000	1Hr	
VICSES Central Region	6/3-5 Gilda Ct Mulgrave	10000	2Hr	Via CTDO
Other				

Table G1- Sandbag storage locations within the Shire of Cardinia and adjoining locations

Sand Suppliers

In large events, or when local supplies have been exhausted, supply will be in accordance with *VICSES- Supplier MOU: Sand Supply*. VICSES FOG (Field Operation Guide) suggests washed river sand as the preferred material.

A heavy bodied sand or sandy soil is most desirable for filling sandbags, but any usable material at or near the site has definite advantages. Gravelly or rocky soils are generally poor choices because of their permeability. Filled bags of earth material will deteriorate quickly. Sand/ fill material should be free of salt and contaminants where possible.

Some potential suppliers of sand in the Cardinia Shire may include:

Organisation	Location	Delivery Capability	Restrictions	Contact
Cardinia Shire Council Depot	Depot address	Up to 5m3		1300 787 624
Koo Wee Garden & Soil Supply Pty Ltd	212 Station St, Koo Wee Rup VIC 3981	20m3	Gravel Entrance	59971575
Berwick sand and soil	29 Bald Hill Road Pakenham	30m3		5941 1000
Officer Garden & Building Supplies	405 Princes Hwy, Officer	30m3		5943 1229
Soilworx	1150 Koo Wee Rup Road, Pakenham 3810	30m3		5940 4918

Table G2- Sand Suppliers and locations within the Shire of Cardinia and adjoining locations

Sandbag Collection Points

Sandbag collection points may be established at the IC's discretion and as conditions permit. Collection points will be advised based on the event.

Residents may purchase sandbags or similar from hardware or garden supply stores for protection of residential property or businesses if a sandbag collection point is not available to the public. Residents are advised to check with local hardware supply store regarding availability of sandbags.

Machinery Supply

Plant documented below may be required when undertaking sandbagging operations

Organisation	Asset	Location	Estimated deployment time	Contact
Cardinia Shire Council	Front End Loader Min lift height 2.5m Min Forward reach 60cm Max bucket width 2.5m	Council Depot	30min	130 787 624
Cardinia Shire Council	Small tipper (3 tonnes)	Council Depot	30min	1300 787 624
VICSES	Vehicle/ trailer for sandbag transport	Pakenham SES	30min	Via CTDO
VICSES Central Region	Sandbag Fill Machine	Pakenham SES	1Hr	Via CTDO
VICSES	Forklift	Pakenham SES	1Hr	Via CTDO
VICSES Central Region	Logistics Truck	SES Central Region (Mulgrave)	1Hr	Via CTDO

Table G3- Machinery/ Vehicles required for Sand Supply in Cardinia

Additional resources from Council that could be utilised to aid response include:

- Backhoe
- Forklift
- Large Tipper

Post Operational

Clean up and Disposal

Residents, businesses and Essential Infrastructure owners will be encouraged to contact Council to determine the safest method for disposal of sandbags. Following a flood event within the Municipality, Cardinia Shire Council will facilitate the disposal of sandbags. VICSES will work in conjunction with Cardinia Shire Council to ensure the disposal of used sandbags is dealt with under the Community Recovery arrangements as outlined in the SEMP.