

MN13807 – Bathurst Arts Residency “The Barn”

Effluent calculations –

4 x existing cabins/ 2x people/cabin = **8 people.**

Expected load from proposed development = **20 people.**

Total site attendance = **28 people.**

As per AS1547 table H2:

Daily Flow (L/person/day) = **150**

Total Average Required Storage -

28(people) x 150L(daily flow) = **4200L**

NOTE:

It has been identified that there is the potential for additional people to be present on-site during performance/showcase events.

As the additional 38 people on site are not expected to be staying overnight and fixture use will be limited the following assumptions have been used.

1 x person will use-

The bathroom 1 x consisting of 1 x 6L toilet flush & 1 x 30 second hand wash (4.5L)

Total = 10.5L

38 (additional people) x 10.5 (estimated flow) = **399L**

Total required storage –

4200L (average required storage) + 399L (additional flow) = 4599L/day