

Mount Baw Baw Alpine Water Treatment

Victoria, Australia

FILTEC
Making Water Safer

Project Snapshot



Client: Southern Alpine Resort



Capacity: 1.7 L/S (0.15 MLD)



Technology: Coagulation, AFM Filtration, GAC, UV Disinfection, Chlorination



Source Water: Protected Alpine Catchment



Completion: 2022

Project Outcomes

- ✓ Multi-barrier drinking water treatment
- ✓ Improved organic removal
- ✓ Automated remote monitoring
- ✓ Treatment of high-organic water
- ✓ Integrated Design & Build delivery

Purpose-Built Drinking Water Treatment for an Alpine Resort

Mount Baw Baw Alpine Resort required a complete upgrade of its ageing drinking water treatment plant to improve water quality, strengthen disinfection performance and provide reliable operation in a challenging alpine environment.

FILTEC designed and built a complete packaged treatment plant incorporating inline coagulation, AFM media filtration, Granular Activated Carbon (GAC) filtration, validated UV disinfection, sodium hypochlorite dosing, PLC control and remote monitoring.



The plant was fabricated as skid-mounted process assemblies and factory tested prior to installation, improving quality control and reducing onsite programme risk. The compact design integrated mechanical, electrical, instrumentation and control systems within the existing treatment building while supporting automated operation with minimal operator intervention.

Comprehensive commissioning verified treatment performance, control functionality and automated plant operation before handover. Operator training was provided, with ongoing technical service and remote monitoring supporting reliable long-term operation in one of Australia's most demanding alpine environments.