

CASE STUDY

PROJECT POTABLE WATER CHLORINATION SERVICE FOR COAL MINE

PRODUCT Potable Water Monitoring & Chlorination Service

INDUSTRY Mining

LOCATION QLD



BACKGROUND

A mining client was experiencing potable water compliance issues because chlorine residuals in storage tanks across the mine site were not being consistently monitored or maintained. There was no established routine for checking the tanks or manually dosing chlorine when corrective action was required. MAK Water was engaged to implement a practical site-wide monitoring and dosing service to improve control of potable water quality and support ongoing compliance.

SOLUTION

MAK Water established an ongoing potable water chlorination service across all potable water tanks on site.

MAK WATER KEY SOLUTIONS

- Routine monitoring - testing chlorine residuals across potable water storage tanks to identify where corrective action is required
- Manual chlorine dosing - dosing tanks where results indicate chlorine levels need to be restored or maintained
- Verification testing - re-checking chlorine residuals after dosing to confirm the corrective action has been effective
- Site-wide records - documenting test results, dosing activities and follow-up actions to provide traceability
- Technical support - reviewing abnormal or recurring results and providing recommendations to improve ongoing potable water management



RESULTS AND BENEFITS

- **Improved compliance support** - routine monitoring and corrective dosing help keep chlorine residuals controlled across the site.
- **Consistent water quality** - a managed process reduces the risk of tanks going unchecked for extended periods.
- **Full-site coverage** - all potable water tanks can be monitored and dosed under one coordinated service.
- **Better traceability** - documented testing and dosing records support site reporting and demonstrate ongoing control.
- **Reduced site workload** - MAK Water manages routine monitoring and dosing rather than relying on ad hoc manual intervention by site personnel.

