

# Tanks<sup>®</sup>

## Mining Water Storage Guide

Tanks  
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bstanks.co.ke



Process Water Storage



Modular. Scalable. Reliable



Built for mining environments

**Engineered for harsh mining environments. Built for uptime**

This guide outlines how SBS Tanks supports mining operations with engineered modular steel water storage tanks designed for harsh environments, remote sites and long-term operational reliability.

# Why Water Storage Matters on Mines

*On a mine, water failure is a production failure*







Water storage is not a background utility on a mine; it is production-critical infrastructure. Mining operations rely on secure, well-planned water storage to keep production, safety systems, and site services running. From mineral processing and dust suppression to potable water, fire protection, wastewater treatment, and water reuse, reliable water storage plays a direct role in operational continuity, environmental control, and mine-site resilience.

SBS Tanks provides engineered, modular steel water storage tanks designed for demanding mining environments, remote locations, fast deployment, and long-term operational reliability.

## When water storage fails, the impact can include:

- ▶ Reduced process plant availability
- ▶ Interrupted dust suppression
- ▶ Fire water readiness risk
- ▶ Potable water supply interruptions
- ▶ Increased reliance on temporary water carting
- ▶ Delays to commissioning or expansion projects

## Where Water Storage Supports the Mining Operation

Requirement	Mine-Site Importance	SBS Tank Application
 <b>Process Water</b>	Ensures continuous supply to maintain productivity.	Bulk storage for operational and process water systems.
 <b>Dust Suppression</b>	Improves air quality and safety while reducing environmental impact.	Reliable storage for dust suppression water supply.
 <b>Potable Water</b>	Supports health, wellbeing, compliance and operational facilities.	Potable water storage using suitable liner systems.
 <b>Fire Protection</b>	Enhances site safety and helps protect people, assets and infrastructure.	Dedicated fire water storage for mine infrastructure.
 <b>Water Reuse</b>	Reduces freshwater demand and lowers operating costs.	Storage for recycled or treated process water.
 <b>Wastewater / Effluent</b>	Enables responsible management of site water in line with regulatory requirements.	Storage for selected wastewater or effluent applications, subject to compatibility review.

# Why Mines Choose SBS Tanks

Mining operations require water storage systems that are practical to deploy, durable in harsh conditions and reliable over long term. SBS Tanks provides engineered modular steel water storage tanks that align with the realities of remote mine sites, operational pressure and project delivery demands.



## Modular by Design

Flat-packed components allow efficient transport and rapid on-site installation



## Remote-Site Ready

Designed for easier logistics to demanding and remote mining locations



## Built Tough

Heavy-duty steel panel construction and corrosion-resistant liner systems ensure long-term durability in harsh mining environments with a 60+ year service life.



## Safer Installation

Ground-up installation reduces reliance on heavy lifting and high-risk activities, supported by comprehensive SHEQ, QC, and safety file procedures.



## Scalable & Flexible

Systems can be sized around project needs and adapted as operations evolve.



## Low Maintenance

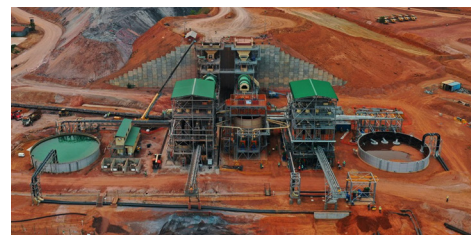
Designed for long-term, low maintenance lifecycle value with simple inspections. Backed by a 12 month workmanship guarantee and a year no-leak warranty.



Harsh-site performance



Mine infrastructure integration



Long-term reliability

# Mining Project Case Studies

Examples of how modular water storage supports mine infrastructure and plant operations



## CASE STUDY 1

### Process Water Plant Water Storage



#### Challenge

Reliable water storage was required to support production-critical plant operations and site infrastructure.



#### SBS Solution

An engineered modular steel tank solution designed for fast deployment and long-term operational reliability.



#### Outcome

Secure on-site water storage supporting plant continuity and practical project delivery.



## CASE STUDY 2

### Mine Infrastructure Water Support



#### Challenge

The site required durable water storage integrated into an active industrial mining environment.



#### SBS Solution

A modular storage tank suited to site logistics, operational demands and future scalability.



#### Outcome

Reliable water infrastructure positioned to support ongoing mine operations.

# Mining Project Case Studies

Remote-site performance, harsh-environment reliability and practical installation solutions.



## CASE STUDY 3 Remote-Site Water Security



### Challenge

A remote mining location required robust water storage suited to difficult site conditions and ongoing operational use.



### SBS Solution

A modular steel tank engineered for remote-site practicality and long-term performance.



### Outcome

Reliable water storage to support operational resilience in a harsh environment.



## CASE STUDY 4 Lined Tank Installation



### Challenge

The project required a practical tank solution capable of supporting process or service water infrastructure.



### SBS Solution

A modular tank with internal liner system, delivered in a format suitable for efficient installation and commissioning.



### Outcome

A structured, scalable water storage tank aligned with site water infrastructure needs.

# Project Delivery & Technical Support

SBS Tanks supports mining projects with practical engineering-led delivery, from initial application assessment through to installation support and maintenance guidance.



1

## Assess The Application - Engineering Consultation

We understand your site conditions and water storage needs.

2

## Select The Capacity

Right-sized tanks for your current and future needs.

3

## Engineer The Tank

Engineered designs built for performance and compliance

4

## Manufacture The Tank

ISO-approved, reputable, controlled, auditable manufacturing plant with quality control systems in place

5

## Deliver to Site

Reliable logistics to remote and challenging locations

6

## Install & Commission

Installation and commissioning procedures for peace of mind, as stipulated in our approved HSE approved safety and site files

7

## Support & Maintain

Ongoing support and maintenance guidance for long-term reliability



## What SBS Tanks Can Support

- Application guidance
- Tank selection
- Engineering drawings and documentation
- Remote-site logistics planning
- Installation support
- Maintenance guidance



Remote-site suitability



Structured Installation



Engineered Support



SBS Tanks helps mines secure water storage infrastructure that is fast to deploy, practical to maintain and engineered for harsh operating environments.



# SBS Tanks<sup>®</sup>

## Planning a Mining Water Storage Project?

Speak to SBS Tanks about your process water, dust suppression, fire protection, potable supply or water reuse requirements.

### Built for Mining Success



#### **Fast modular installation**

Rapid installation. Proven durability.



#### **Remote-site friendly logistics**

Engineered for remote-site accessibility



#### **Engineered for harsh environments**

In-house engineering and support you can trust



#### **Safer installation methodology**

Reduced risk through smarter ground up installation



#### **Low maintenance lifecycle value**

Durable tanks with lower upkeep for asset management



#### **ISO Certified manufacturing plant**

Global-standard manufacturing supported by consistent, auditable quality systems.

**Book a technical discussion with us:**

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**BUILD  
FOR  
BETTER**

SBS Tanks supplies engineered modular steel water storage tanks for mining operations across Africa and beyond.