

Mine Operational Readiness & Startup Checklist 2026

Pre-Start Site Infrastructure Inspection

Verification of all physical site assets, including access roads, perimeter fencing, lighting, and site office facilities to ensure they are functional and secure.

Infrastructure Components Inspected

- ☐ Access Roads & Haulage Routes
- ☐ Perimeter Fencing & Security Gates
- ☐ Site Lighting & Illumination
- ☐ Site Office & Staff Facilities
- ☐ Signage & Safety Markers

Access Road Condition

- ☐ Excellent
- ☐ Acceptable
- ☐ Requires Maintenance
- ☐ Unsafe/Closed

Observed Infrastructure Defects

Write something...

Site Inspection Photo Evidence

 Upload File

Inspection Date

Enter date...

Inspector Authorization

Power & Utility Supply Verification

Detailed audit of electrical substations, backup generators, fuel supply lines, and water distribution systems to ensure uninterrupted operational energy.

Inspection Date

Enter date...

Main Power Source Status

- ☐ Grid Connected
- ☐ Generator Driven
- ☐ Solar/Renewable

Utility Systems Verified

- ☐ Primary Electrical Substation
- ☐ Emergency Backup Generator
- ☐ Fuel Supply/Storage Tanks
- ☐ Water Supply/Pumping Station
- ☐ Compressed Air Systems

Voltage Reading (Primary Feed)

Enter a number...

Discrepancies or Utility Fault Notes

Write something...

Electrical Safety Certificate/Logbook

 Upload File

Site Electrician/Engineer Approval

Heavy Equipment & Fleet Pre-Operational Audit

Comprehensive mechanical and safety inspection of all mining vehicles, excavators, dozers, and haul trucks to confirm-ready status for production.

Inspection Date

Enter date...

Equipment ID / Asset Number

- ☐ Excavator-01
- ☐ Haul-Truck-05
- ☐ Dozer-12
- ☐ Drill-Rig-03

Pre-Start Inspection Points Completed

- ☐ Hydraulic System Check
- ☐ Brake & Steering Test
- ☐ Tyre/Track Condition Assessment
- ☐ Fluid Levels (Oil, Coolant, Fuel)
- ☐ Lights & Alarms Functionality

Current Hour Meter / Odometer Reading

Enter a number...

Defects or Maintenance Notes

Write something...

Photo Evidence of Identified Issues

 Upload File

Operator Verification Signature



Communication & Digital Systems Readiness

Testing of radio networks, GPS tracking systems, telemetry, and site-wide Wi-Fi/LTE connectivity to ensure seamless operational communication.

Communication Systems Tested

- ☐ Two-Way Radio Network
- ☐ Satellite/GPS Tracking
- ☐ Site-wide Wi-Fi/LTE Connectivity
- ☐ Emergency Alert Systems
- ☐ Telemetry & Remote Monitoring

Radio Channel Frequency Verification

Write something...

Network Signal Strength Test Report

 Upload File

Last System Software Update Date

Enter date...

IT/Communications Technician Approval

Critical Safety & Emergency Systems Check

Validation of fire suppression systems, emergency stop buttons, refuge chambers, and emergency communication protocols prior to active mining.

Emergency Equipment Verified

- ☐ Fire Extinguishers & Suppression Systems
- ☐ Emergency Stop Buttons (E-Stops)
- ☐ Refuge Chambers & Self-Rescuers
- ☐ First Aid Stations & Medical Supplies
- ☐ Emergency Communication Radios/Alarms

Emergency Response Team (ERT) Status

- ☐ Full Team Present & On-Call
- ☐ Skeleton Crew Present
- ☐ External Contractor Support Required

Last Safety System Audit Date

Enter date...

Safety Certification/Maintenance Logs

 Upload File

Safety Officer Verification

Identified Safety Risks or Deficiencies

Write something...

Personnel Readiness & Training Compliance

Review of operator certifications, site-specific inductions, competency assessments, and shift handover documentation for all active staff.

Completed Mandatory Inductions

- ☐ Site Safety Induction
- ☐ Environmental Awareness Training
- ☐ Hazard Communication (HAZCOM)
- ☐ Emergency Response Drill Training

Last Competency Assessment Date

Enter date...

Operator Certification/License Upload

 Upload File

Shift Supervisor Name

- ☐ Morning Shift
- ☐ Afternoon Shift
- ☐ Night Shift

Safety Officer Verification

Environmental & Environmental Control Check

Verification of erosion control measures, dust suppression reservoirs, and chemical storage containment integrity before commencing operations.

Dust Suppression System Status

- ☐ Fully Operational
- ☐ Partially Operational
- ☐ Non-Operational / Maintenance Required

Inspected Environmental Control Measures

- ☐ Erosion Control Berms
- ☐ Silt Fences & Sediment Traps
- ☐ Secondary Containment Bunds
- ☐ Spill Kits & Response Equipment
- ☐ Water Management Channels

Water Reservoir Level (Percentage)

Enter a number...

Environmental Inspection Photo Evidence

 Upload File

Observations & Non-Compliance Notes

Write something...

Environmental Officer Verification

Mine Plan & Production Schedule Alignment

Final review of the daily mine plan, blast patterns, and production targets against current geological and geotechnical constraints.

Planned Production Start Date

Enter date...

Current Mining Phase

- ☐ Exploration
- ☐ Development
- ☐ Production
- ☐ Rehabilitation

Target Daily Tonnage (Tonnes)

Enter a number...

Key Production Priorities

- ☐ Overburden Removal
- ☐ Ore Extraction
- ☐ Waste Rock Dumping
- ☐ Stockpile Management

Operational Constraints & Bottlenecks

Write something...

Upload Updated Mine Plan (PDF/CAD)

 Upload File

Mine Manager Approval

Inventory & Consumable Availability

Confirmation of stock levels for essential consumables, including drill bits, lubricants, reagents, and replacement critical spares.

Critical Consumables Checklist

- ☐ Drill Bits & Steel
- ☐ Explosives & Detonators
- ☐ Hydraulic Fluids & Lubricants
- ☐ Fuel & Diesel Stocks
- ☐ Safety PPE Stock
- ☐ Chemical Reagents

Current Diesel Fuel Level (Liters)

Enter a number...

Critical Spare Parts Inventory Count

Enter a number...

Last Inventory Audit Date

Enter date...

Inventory Reorder Sheet/Manifest

 Upload File

Warehouse Manager Verification

Regulatory & Permit Compliance Verification

Final audit of all active mining permits, environmental licenses, and regulatory-required documentation to ensure legal operational compliance.

Permit Expiry Status Check

☐ Environmental Permits Valid

☐ Water Usage Licenses Valid

☐ Explosives Storage Permits Valid

☐ Land Access Agreements Valid

☐ Mining Lease Compliance Verified

Next Regulatory Audit Date

Enter date...

Upload Updated Permit Documentation

 Upload File

Identified Compliance Gaps

Write something...

Compliance Officer Authorization

 **Generate Sample Report**