

MINE SLOPE STABILITY INSPECTION CHECKLIST

GENERAL INFORMATION

Name: _____

Date: _____

Location: _____

Geological Assessment

- Yes No — Rock and soil types have been properly identified
- Yes No — Slope angles are appropriate for the geological conditions
- Yes No — Historical stability data is reviewed regularly
- Yes No — Signs of stress fractures or displacement are monitored

Slope Monitoring Systems

- Yes No — Monitoring instruments (e.g., inclinometers, prisms) are functional
- Yes No — Regular readings are recorded and reviewed
- Yes No — Automated alerts for movement or instability are configured
- Yes No — Visual inspections are performed routinely

Drainage and Water Control

- Yes No — Drainage systems are clear and functional
- Yes No — No signs of water accumulation or seepage in slope areas
- Yes No — Water flow is directed away from slope faces
- Yes No — Pumping systems are operational where needed

Excavation Practices

- Yes No — **Bench design follows engineered specifications**
- Yes No — **Overhangs and undercuts are avoided**
- Yes No — **Slope height and width comply with safety standards**
- Yes No — **Controlled blasting minimizes impact on slope stability**

Reinforcement and Support

- Yes No — **Mesh, anchors, or shotcrete applied where required**
- Yes No — **Structural supports are intact and secure**
- Yes No — **Areas with known instability are reinforced properly**
- Yes No — **Maintenance of support systems is documented**

Emergency Preparedness

- Yes No — **Slope failure response procedures are established**
- Yes No — **Evacuation routes are accessible and marked**
- Yes No — **Staff are trained in slope failure scenarios**
- Yes No — **Communication systems are tested regularly**

FINAL NOTES

Inspector Comments:

Inspector Name: _____

Inspector Email: _____

Inspection Date: _____

I confirm this inspection was completed accurately

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