

Mining Fire Prevention Checklist

Fire Hazard Identification

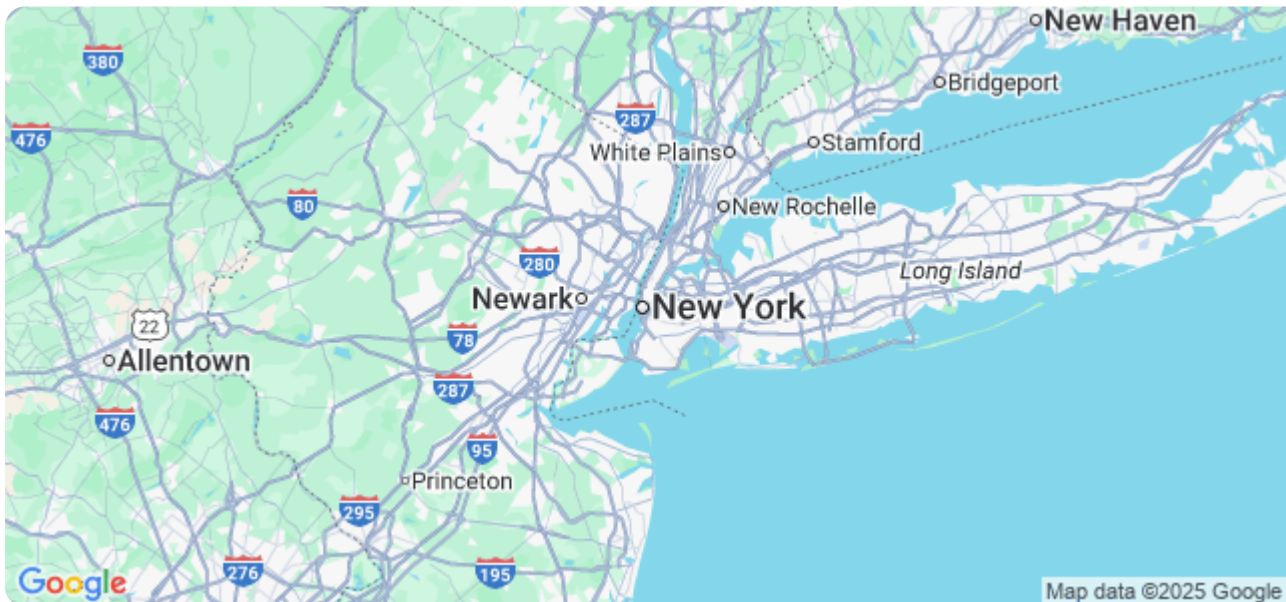
Assessment of potential fire sources and fuel loads throughout the mine site.

Description of Potential Ignition Sources

Write something...

Location of Highest Fuel Load Area

 [Set My Current Location](#)



Estimated Fuel Load (kg/m³)

Enter a number...


Type of Fuel Present

- ☐ Coal
- ☐ Wood
- ☐ Rubber
- ☐ Other (Specify)

Notes/Observations Regarding Fire Hazards

Write something...

Photo Evidence of Hazard (Optional)

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Electrical Equipment Inspection

Regular checks of electrical systems, wiring, and equipment for damage or defects.

Equipment Voltage (V)

Enter a number...

Cable Insulation Condition

- ☐ Good
- ☐ Fair
- ☐ Damaged
- ☐ Unsafe

Connector Condition

- ☐ Secure
- ☐ Loose
- ☐ Corroded
- ☐ Damaged

Motor Amp Draw (A)

Enter a number...

Notes/Observations

Write something...

Last Inspection Date

Enter date...

Photo of Defect (if any)

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Welding & Cutting Operations

Verification of safe work practices during welding and cutting activities, including permits and fire suppression.

Permit Issue Date

Enter date...

Start Time of Operation

Permit Type

- ☐ Hot Work Permit
- ☐ Cold Work Permit

Wind Speed (m/s)

Enter a number...

Ambient Temperature (°C)

Enter a number...

Required Precautions

- ☐ Fire Watch Required
- ☐ Ventilation Assessment
- ☐ Gas Monitoring
- ☐ Shielding & Barriers
- ☐ Fire Suppression Equipment

Welder Signature

Supervisor Authorization

Ventilation System Performance

Evaluation of ventilation effectiveness in removing flammable gases and smoke.

Airflow Rate (m³/s)

Static Pressure (Pa)

Temperature (Ventilation Air, °C)

Fan Operating Status

- ☐ Normal
- ☐ Reduced
- ☐ Faulted

Observations/Comments (e.g., unusual noises, smells)

Last Ventilation Duct Cleaning Date

Smoke Detector Functionality Check

☐ Passed☐ Failed☐ N/A

Fire Suppression Equipment

Inspection and maintenance of fire extinguishers, sprinklers, and other suppression systems.

Fire Extinguisher ABC Count

Fire Extinguisher CO2 Count

Last Inspection Date (Extinguishers)

Inspection Time

Sprinkler System Status

- ☐ Operational
- ☐ Needs Maintenance
- ☐ Out of Service

Fire Hose Condition

- ☐ Good
- ☐ Damaged
- ☐ Needs Replacement

Sprinkler System Test Record (if applicable)

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Notes on Fire Suppression Equipment Condition

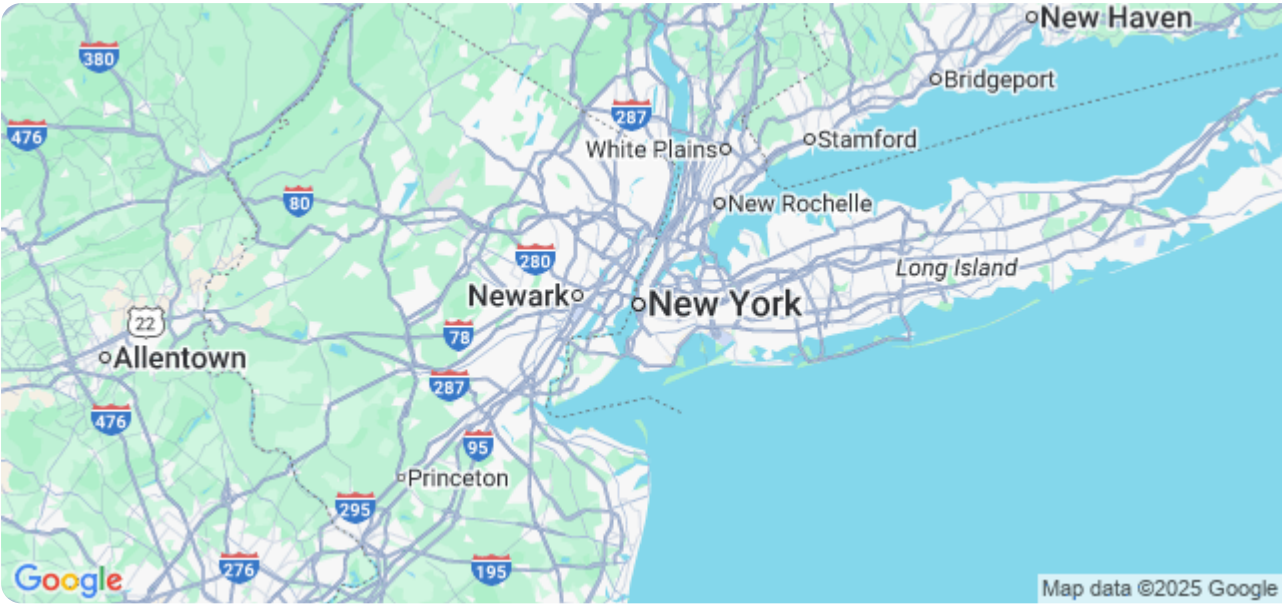
Write something...

Flammable Material Storage

Confirmation of proper storage and handling of flammable liquids and gases.

Flammable Material Storage Area GPS Coordinates





Maximum Allowable Quantity of Flammable Liquid (liters)

Storage Container Type

- ☐ Approved Safety Cabinets
- ☐ Double-Walled Tanks
- ☐ Other (Specify)

Description of Storage Area Construction & Features (e.g., ventilation, secondary containment)

Date of Last Inspection of Storage Area


Enter date...

Secondary Containment Present?

☐ Yes

☐ No

Photo of Storage Area (showing labeling and condition)

 Upload File

Housekeeping Practices

Assessment of the overall cleanliness and orderliness of the mine site to minimize fire hazards.

Accumulated Dust Thickness (mm)

Enter a number...

Waste Material Disposal Compliance

☐ Compliant

☐ Minor Deviation

☐ Significant Deviation


Notes on Excessive Debris or Clutter

Write something...

Spill Prevention Measures

- ☐ Fully Implemented
- ☐ Partially Implemented
- ☐ Not Implemented

Photos of Housekeeping Areas (before/after)

 Upload File

Number of blocked access points due to debris

Enter a number...

Employee Training & Awareness

Verification of employee knowledge regarding fire prevention procedures and emergency response.

Last Fire Safety Training Date

- ☐ Within last 6 months
- ☐ 6-12 months ago
- ☐ Over 12 months ago
- ☐ Not Completed

Briefly describe key fire prevention topics covered in training

Write something...

Do you understand the location of fire extinguishers and emergency exits?

- ☐ Yes
- ☐ No
- ☐ Unsure

Which of the following fire hazards are you aware of?

- ☐ Electrical Faults
- ☐ Flammable Liquids
- ☐ Dust Accumulation
- ☐ Welding/Cutting Operations
- ☐ Housekeeping Issues

Date of next scheduled fire safety refresher training

Enter date...

Emergency Response Plan Review

Periodic review and updates to the mine's fire emergency response plan.

Last Review Date

Enter date...

Summary of Changes Made

Write something...

Sections Updated (Select all that apply)

- ☐ Fire Emergency Procedures
- ☐ Evacuation Routes
- ☐ Communication Protocols
- ☐ Medical Response
- ☐ Incident Reporting
- ☐ Training Requirements

Review Frequency (in months)

Enter a number...

Review Outcome

- ☐ Approved
- ☐ Rejected
- ☐ Requires Revisions

Reviewer Signature