



Mine Dewatering Plan Checklist

Plan Objectives & Scope

Verify the plan clearly defines objectives, scope, and area of influence related to dewatering activities.

Briefly describe the primary objective of the dewatering plan.

Write something...

Define the geographical area covered by this dewatering plan.

Write something...

Maximum allowable drawdown (meters)

Enter a number...

Type of Mining Operation Covered

☐ Underground

☐ Open Pit

☐ Both

Date Plan Becomes Effective

Enter date...

List any specific limitations or boundaries of the dewatering activities.

Write something...

Is the plan integrated with other mine plans? (e.g., Production, Ventilation)

☐ Yes

☐ No

Hydrological Assessment

Review the completeness and accuracy of the hydrological assessment, including groundwater levels, flow paths, and potential impacts.

Pre-Dewatering Groundwater Levels (m)

Enter a number...

Description of Regional Geology and Aquifers

Write something...

Hydrogeological Map

 Upload File

Estimated Groundwater Recharge Rate (mm/year)

Enter a number...

Potential Impacts to Nearby Water Sources

- ☐ Surface Water
- ☐ Domestic Wells
- ☐ Ecosystems
- ☐ None

Date of Most Recent Hydrological Survey

Enter date...

Pumping System Design

Assess the adequacy of the pumping system design, including pump capacity, discharge location, and redundancy measures.

Total Pumping System Capacity (m³/hr)

Enter a number...

Number of Redundant Pumps

Enter a number...

Pump Type

- ☐ Submersible
- ☐ Centrifugal
- ☐ Other

Justification for Pump Selection

Write something...

Date of Last Pump Performance Test

Enter date...

Scheduled Pump Maintenance Time

Pump Performance Curve Document

 Upload File

Environmental Impact Assessment

Evaluate the assessment of potential environmental impacts, such as effects on nearby water bodies and ecosystems.

Describe potential impacts on surface water bodies (rivers, streams, lakes).

Write something...

Detail potential impacts on groundwater resources and dependent ecosystems.

Write something...


Estimated reduction in baseflow to nearby rivers (m³/day).

Enter a number...

Potential impact on sensitive flora/fauna species?

- ☐ No Significant Impact
- ☐ Minor Impact
- ☐ Moderate Impact
- ☐ Significant Impact

Supporting documents (e.g., hydrogeological modelling reports)

 Upload File

Mitigation Measures Proposed

- ☐ None Required
- ☐ Water Treatment
- ☐ Offsetting
- ☐ Other

Describe proposed mitigation measures to minimize environmental impacts.

Write something...

Monitoring Program

Examine the monitoring program's effectiveness in tracking groundwater levels, water quality, and environmental impacts.

Groundwater Level (m.a.s.l.)

Enter a number...

Total Dissolved Solids (TDS) (mg/L)

Enter a number...

Water Quality Exceedance?

☐ Yes

☐ No

Monitoring Date

Enter date...

Monitoring Time

Comments/Observations

Write something...

Water Quality Lab Report

 Upload File

Contingency Plans

Review the adequacy of contingency plans for dealing with unforeseen circumstances, such as equipment failure or unexpected groundwater inflows.

Describe Procedure for Unexpected Groundwater Inflow

Write something...

Maximum Acceptable Groundwater Inflow Rate (m³/hour)

Enter a number...

Designated Alternate Pump Location

- ☐ Location A
- ☐ Location B
- ☐ Location C

Last Equipment Functionality Test Date

Enter date...

Communication Protocol During Emergency

Write something...

Responsible Engineer Signature

Regulatory Compliance

Confirm adherence to all relevant regulatory requirements and permits related to mine dewatering.

Relevant Permits Obtained?

- ☐ Yes
- ☐ No
- ☐ Pending

Permit Numbers & Expiration Dates

Write something...

Date of Last Regulatory Inspection

Enter date...

Inspection Rating (if applicable)

Enter a number...

Summary of Inspection Findings & Corrective Actions

Write something...

Compliance with Water Quality Standards?

☐ Yes

☐ No

☐ N/A

Upload of Relevant Permits

 Upload File

Stakeholder Consultation

Document the process of consultation with stakeholders affected by mine dewatering activities.

Summary of Stakeholder Groups Consulted

Write something...

Stakeholder Groups Consulted (Select all that apply)

- ☐ Local Community
- ☐ Indigenous Groups
- ☐ Regulatory Agencies
- ☐ Downstream Water Users
- ☐ Local Government
- ☐ NGOs/Environmental Groups

Summary of Stakeholder Concerns Raised

Write something...

Summary of Mitigation Measures Agreed Upon with Stakeholders

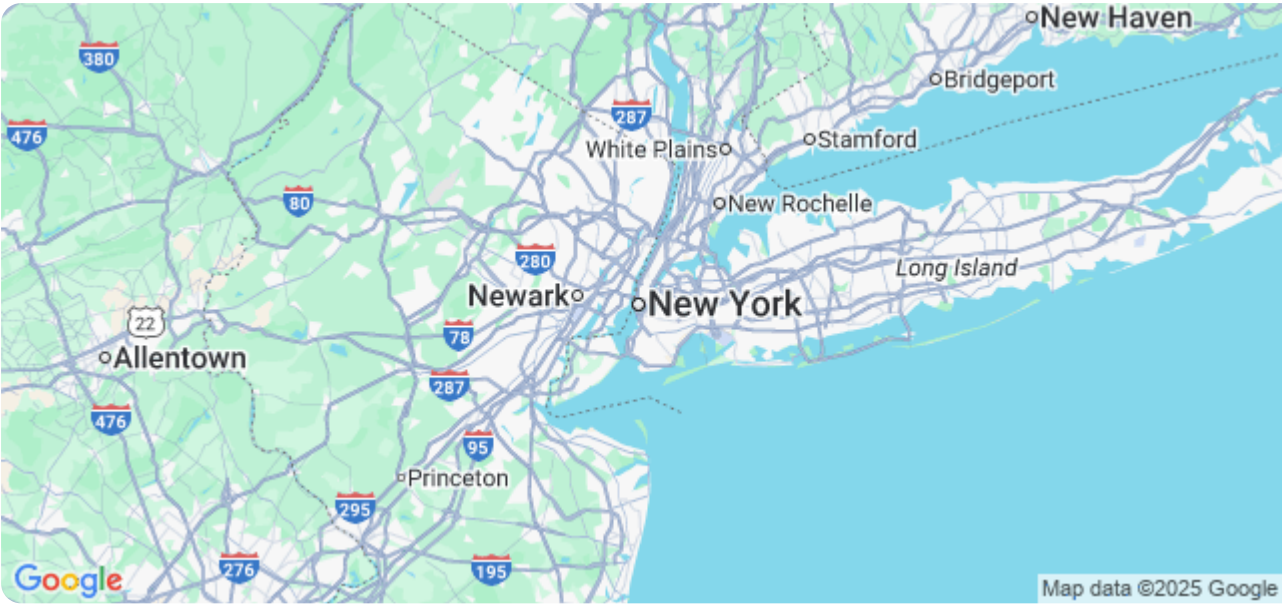
Write something...

Date of Consultation

Enter date...

Consultation Location

 Set My Current Location



Representative of Affected Stakeholder (Signature)

Plan Review & Approval

Verify proper review and approval signatures and dates, ensuring accountability.

Plan Review Date

Enter date...

Reviewer Name

Write something...

Review Status

- ☐ Approved
- ☐ Rejected
- ☐ Requires Revision

Review Comments

Write something...

Reviewer Signature

Revision Number

Enter a number...

Plan Updates & Revisions

Ensure the plan includes a schedule and process for regular reviews and updates based on monitoring data and operational experience.

Date of Last Revision

Enter date...

Summary of Revisions Made

Write something...

Revision Number

Enter a number...

Reason for Revision

- ☐ New Data
- ☐ Regulatory Change
- ☐ Operational Change
- ☐ Other

Supporting Documentation (e.g., revised modeling reports)

 Upload File

Next Review Date

Enter date...