



# Illinois Environmental Protection Agency

Bureau of Water • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

## Application for Coal Mine Related Pollution Control Permit Application Instructions MP-O

The permit to which these applications apply is required of all coal mine related facilities in Illinois by the Illinois Pollution Control Board rules and regulations, Subtitle D: Mine Related Water Pollution.

All mines shall be given an official name and once named, shall retain that name in the records of the Agency regardless of changes of ownership of the mine area. Within the same company no two mines or related facilities shall be given the same name. At strip mining operations which have more than one pit, each pit shall be named or numbered. In correspondence regarding permit applications or existing permits, only one mine or related facility should be discussed per letter.

### **MAP REQUIREMENTS**

All applications for permit will require a set of maps. These maps should be on a scale of 1" = 400' for most operations. Special consideration regarding the map size may be discussed with the Permit Section before submission of the permit application. All maps and other documents shall be folded to no larger than 8 1/2" by 11" size. All maps shall be scaled blue or black line prints, or scaled aerial photographs, or geological survey maps (7.5 minute series). A sketch will not be accepted in place of the required map; however, a sketch may be submitted in addition to the required map to show general location, etc. For clarity it is required that a minimum of three (3) maps be provided. These maps should be labelled and show the following information:

#### **Location Map**

1. Proposed permit boundaries..
2. Approximate boundaries of any abandoned or working deep mines which may be encountered.
3. For underground mines, the proposed extent of the mine works
4. Location of all public water supplies within ten (10) miles of the proposed permit boundaries
5. Location of all private water supplies on or contiguous to (within a one mile radius) the proposed permit boundaries.
6. The drainage patterns on, through and away from the mine area, prior to disturbance.

#### **Drainage Map**

1. Proposed permit boundaries..
2. Method by which surface drainage will be diverted around or away from the affected area.
3. Method by which surface runoff from the affected area will be diverted to the appropriate treatment facilities.
4. The location, discharge point and discharge number of any treatment facilities
5. The location of all refuse disposal areas
6. Location and flow pattern of the process water circuit (if applicable).

#### **Abandonment Map**

1. Proposed permit boundaries..
2. The final drainage onto, through and away from the affected land.
3. The location of all facilities which will remain after abandonment

#### **Instructions for Form MP-1**

Form MP-1 must be completed including all signatures and submitted with any application for Permit.

Section 1.5: The superintendent or local contact person should be that person at the mine whom the Agency may contact in the event of an emergency or other situation. This should not be a person located in a central office apart from the mine.

Section 4: Should be completed for each previous Subtitle D Permit which is related to the area proposed in the Application.

Section 5: Should be completed for each previous NPDES Permit issued for the area proposed in the Application.

Section 7.1: All plans, specifications, reports and maps shall be prepared by an Illinois Registered Professional Engineer when required by the provisions of the Illinois Professional Engineering Practice Act ([225 ILCS 325/](#)). This certification will not be required when the plans, specifications, reports and maps submitted are for a Renewal permit, from which no deviations from the original Application and Permit have occurred.

Section 7.2: An Application submitted by a corporation must be signed by a principal executive officer of at least the level of Vice President, or his duly authorized representative, if such representative is responsible for the overall operation of the facilities proposed in the Application for NPDES Applications, see 40 CFR 122.22. In the case of a partnership or a sole proprietorship, the Application must be signed by a general partner or the proprietor respectively. In the case of a Joint venture the Application must be signed by the authorized representative responsible for the overall operation of the facilities proposed in the Application. For all other persons, the application must be signed by either a principal executive officer, ranking elected official or other duly authorized employee.

### **Instructions for Form MP-2**

Form MP-2 should be submitted with Form MP-1 for any construction, opening, or reopening of a mine.

Section 8: This discussion should include pond volume, inflow volume, water usage, storage during shutdowns, etc.

Schedule A: Should be completed and submitted for each proposed discharge (other than a discharge from a facility which will treat domestic waste only). Discharges should be numbered in ascending order using three digit numbers (i.e., 001, 002, 003). The use of a single letter following the three digits is acceptable. The receiving stream is the body of water or well defined watercourse to which the effluent is being discharged. If the receiving stream is unnamed write "Unnamed".

Section 15: If the applicant requests such, the sampling, reporting and monitoring of [35 Ill. Adm. Code 406.102](#) of Subtitle D can be based on grab samples. Section 15.2 should be checked "yes" if this is requested.

### **Instructions for Form MP-3**

Schedule MP-3 should be submitted with Form MP-1 for a permit to operate a mine after a permit to construct, open or reopen has been obtained. For mines which desire a permit to operate and have not previously obtained a permit to open or reopen, Forms MP-2 and MP-3 must be submitted.

Section 3: [35 Ill. Adm. Code 405.104\(b\)](#) requires that overburden and mine refuse be classified. The table for this classification is located below and these classifications should be used in the Application.

#### **BASIC CLASSIFICATION OF MINE LAND\***

The potential productivity of soil material left after mining operations is largely determined by the acidity and the texture. A method of classifying strip-mined lands on the basis of these two characteristics has been worked out by Limstrom as a result of the reconnaissance survey conducted by the Central States Forest Experiment Station in 1946. Taken together, acidity and texture determine the basic spoil types.

The acidity of strip-mined land, expressed in the range of pH values of the surface material, is classified as follows:

Class Number and Classification	pH Value	Extent on Area
1. Toxic	Less than 4.0	More than 75 percent
2. Marginal	Less than 4.0	50 to 75 percent
3. Acid	4.0 to 6.9	50 to 75 percent
4. Calcareous	7.0 or more <sup>a</sup>	More than 50 percent
5. Mixed	(Too varied to be classified as any of the above)	

(<sup>a</sup> For practical purposes any soil testing 7.0 (neutral) is included in the calcareous group)

\* Taken from: Gandt and Lang, "Reclaiming Illinois Strip Coal Land with Legumes and Grasses," Bulletin 628, University of Illinois, Agricultural Experiment Station, 1958; p. 12.)

On the basis of texture, strip-mined lands are divided into three broad groups:

Group	Description of Texture
A	Chiefly sand, sandstone, or sandy shales
B	Chiefly loamy materials and silty shales
C	Chiefly clay and clay shales

The acidity class and the texture groups are then combined to describe the basic spoil types, as for example:

Spoil Type	Description
4-A	Calcareous sands
1-C	Toxic clays

#### **Instructions for Form MP-4**

Form MP-4 must be submitted with Form MP-3 for any mine which produces refuse, either solid or liquid, which must be disposed. If coal processing is to occur at a site other than the one applied for, only Section 3.7 of this form need be completed.

#### **Instructions for Form MP-5**

Form MP-5 must be submitted for all operations applying for the 105 related conditions under [35 111. Adm. Code 405.203](#) (Water Quality) of Subtitle D.

If more than one discharge is proposed, all data submitted must be based on the cumulative effect of all discharges.

Section 2: All public water supplies within ten (10) miles down stream of the last discharge should be listed and all information in the related sections should be completed for every discharge. If there is no public water supply within ten (10) miles downstream from the last discharge, then the first public water supply the effluent will be tributary to should be listed and the related sections completed for this water supply.

Section 6: This information may be obtained from the Illinois State Water Survey In Urbana, Illinois.

#### **Instructions for Form MP-6**

Form MP-6 should be submitted for any operation which will involve the relocation of a stream.

#### **Instructions for NPDES Applications**

The Consolidated Permits Program - Application Form 2C must be completed for applications for renewal of NPDES Permits. Applications form 2D must be completed for new discharges. Information for completing this application is contained with the application itself. For further information regarding this application, please contact the Division of Water Pollution Control - Permit Section Industrial Unit at 2171782-1695.

#### **Application Submittal**

All permit applications, and revisions, for coal mine related facilities shall be submitted in duplicate to the following address:

Illinois Environmental Protection Agency  
 Mine Pollution Control Program  
 2309 West Main Street, Suite 116  
 Marion, Illinois 62959

Any Application or revised Application sent by mail should be sent by Registered or Certified Mail, Return Receipt Requested. Applications which are hand delivered shall be delivered to and received by any authorized person employed in the Mine Pollution Control Program.

All items should be completed. When the question is not applicable to your project write "Not Applicable," or "N.A."

**OTHER PERMIT REQUIREMENTS**

Subtitle C Water Pollution Control: If your proposed mining operation involves the construction of a sewage treatment works, which has a discharge to waters of the State, a Permit will be required under Subtitle C. Please contact the Mine Pollution Control Program for the application forms and instructions. If the discharge from the treatment works will be subsurface (i.e., a leach field) the Illinois Department of Public Health should be contacted regarding their requirements. These forms should still be sent to the address above.

Subtitle B: Air Pollution Control: All coal mines will be required to be in compliance with these Regulations. Please contact the Permit Section of the Division of Air Pollution Control for further information on their permitting requirements. Phone number 217/782-7326.

The operation may involve other regulations of the Illinois Pollution Control Board Rules and Regulations. The Agency will endeavor to bring these regulations to the Applicant's attention at the time of review of the application.