STATE OF ILLINOIS

DEPARTMENT OF MINES AND MINERALS

LAND RECLAMATION DIVISION

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LAND RECLAMATION DIVISION MEMORANDUM NO. 82-3

TO: All Coal Operators

FROM: Douglas Downing, Supervisor
Land Reclamation Division
Department of Mines and Minerals

DATE: February 10, 1982

RE: Permit Application Forms to be employed during the Illinois Permanent Program

Attached are listings of modifications to permanent program applications SM-1 (Surface Mining) and UM-1 (Underground Mining) resultant from adaptation of amendments to permanent program rules and regulations which were published in Volume 6, issue 1 of the January 4, 1982 Illinois Register. The listings are intended to inform operators of necessary changes to permanent program applications and to aid operators in application preparation prior to initial implementation of the permanent regulatory program.

It is acceptable to supply responses to the listed modifications as a separate insert to an application already on file or with a permanent program application.

MODIFICATIONS MADE TO PERMANENT PROGRAM APPLICATION SM-1
FOR SURFACE COAL MINING OPERATIONS

PART I

Section 7) Time period covered by this section has been changed from 1970 to 5 years prior to submission of application.

Provide a statement of any current or previous coal mining permits in the United States held by the applicant within the 5 year period preceding the date of submission of the application, and by any person identified in (b) (3) of this particular Section, and of any pending permit application to conduct surface coal mining and reclamation operations in the United States. The information shall be listed by permit or application number and identify the regulatory authority for each of those coal mining operations.

Section 11) Former text deleted, all sections following have been renumbered.

~~Provide a list of all other licenses and permits needed to conduct the proposed surface mining activities. Identify each license and permit as follows:~~

~~Type of license or permit, identification number of application or of license or permit, name and address of issuing authority, and date of approval or disapproval if a decision has been reached.~~

PART II

Section 10) B) A new question was inserted under subsection B). All following subsections were renumbered.

Delineate on the soils map(s) the area which will incur actual mining (removal of overburden and extraction of coal).

PART IV

Section 4) This section has been revised to conform with changes made in Sections 1816.61-1816.68 of permanent program regulations.

Each application shall contain a blasting plan for the proposed permit area which provides for compliance with requirements of Sections 1816.61-1816.68, including the following:

A) A copy of the proposed blasting schedule(s) and a list of persons to whom the schedule will be distributed for each blasting area described.

B) A copy of the format used to notify persons within one-half mile of the permit area as to how to obtain a pre-blast or condition survey.

C) A brief description of procedures to be used to perform pre-blasting or condition surveys and for distributing copies of owners/residents and the Department.

D) A copy of the blasting log form.

E) The anticipated minimum square root scaled distance value to the nearest structure to be protected under Section 1816.65(i) that exists at the start of the operation.

F) A description or supervisory or other duties of persons responsible for -

(1) Blast design

(2) Borehole loading

(3) Shot wiring

(4) Shot firing and control of the blasting area

(5) Air blast and ground vibration control

(6) Air blast and ground vibration monitoring and analysis

(7) Obtaining and recording required blasting data

G) A statement that all persons responsible for blast operations are trained, competent, and hold current valid blaster certification issued by the Department.

H) Description of unavoidable hazardous conditions for which deviation from the blasting schedule will be needed under Section 1816.65(b).

PART V

Section 3) This section has been revised to conform with changes made in Section 1816.133.

Where a post-mining land use different from a premining land use is proposed, provide information required to obtain approval in accordance with Section 1816.133.

MODIFICATIONS MADE TO PERMANENT PROGRAM UM-1 APPLICATION
FOR UNDERGROUND MINING OPERATIONS

PART I

Section 7) Time period covered by this section has been changed from 1970 to 5 years prior to submission of application.

Provide a statement of any current or previous coal mining permits in the United States held by the applicant within the 5 year period preceding the date of submission of the application, and by any person identified in (b) (3) of this particular Section, and of any pending permit application to conduct surface coal mining and reclamation operations in the United States. The information shall be listed by permit or application number and identify the regulatory authority for each of those coal mining operations.

Section 11) Former text deleted, all sections following have been renumbered.

Provide a list of all other licenses and permits needed to conduct the proposed surface mining activities. Identify each license and permit as follows:

Type of license or permit, identification number of application or of license or permit, name and address of issuing authority, and date of approval or disapproval if a decision has been reached.

PART IV

Section 4) Former text deleted, all following sections have been renumbered.

Each application shall contain a general plan for the proposed permit area including the following:

1. The anticipated minimum square root scaled distance to the nearest dwelling, school, church, or commercial or institutional building.

2. Attach a completed sample blasting report showing quantities, amounts and dimensions anticipated to be used in a typical blast in the proposed permit area.

3. Attach sketch(s) of typical delay pattern(s).

4. Description of blasting warning and site access control equipment and procedures.

5. Attach a description of types, capabilities and sensitivities of blast monitoring equipment (manufacturers specification sheet is acceptable).

6. Describe general procedures to be used for monitoring air blast and ground vibration.

7. Description of plans for recording and reporting to the Department the results of pre-blasting and condition surveys, if required.

8. Attach a map showing the mining permit area, anticipated initial blast location and all structures 1/2 mile of the permit area. Indicate all structures owned by operator. Also, show all underground facilities located within 500 feet of the mining permit area. The map scale shall be shown graphically and as a ratio.

PART V

Section 3) This section has been revised to conform with changes made in Section 1816.133.

Where a post-mining land use different from a premining land use is proposed, provide information required to obtain approval in accordance with Section 1817.133.

Section 9) Text of subsection A) 3. has been deleted.

The quantity of surface and groundwater or to provide alternative sources of water where the protection of quantity cannot be ensured.