ILLINOIS DEPARTMENT OF MINES AND MINERALS
Richard R. Shockley
Director

LAND RECLAMATION DIVISION
300 WEST JEFFERSON STREET - SUITE 300
P.O. BOX 10197
SPRINGFIELD, ILLINOIS 62791-0197
TELEPHONE: (217) 782-4970

LAND RECLAMATION DIVISION MEMORANDUM NO. 90-2

TO: All Surface and Underground Coal Mine Operators

FROM: Paul J. Ehret, Supervisor
Land Reclamation Division

DATE: February 20, 1990

RE: Application Forms: IBR-1, SIBR-1 and MUF-1

Attached please find three new application forms for incidental boundary revisions (IBR) and minor underground facilities (MUF). These application forms clearly show the information the Department requires to make preparation, review and processing of these operations more understandable and efficient. These forms must be used whenever applying for IBR's or MUF's as described below:

Incidental Boundary Revision - 1 (IBR-1) - Use for surface acreage incidental boundary revisions on both surface and underground mines, pursuant to 62 Ill. Adm. Code 1774.13(d).

Subsidence Incidental Boundary Revision - 1 (SIBR-1) - Use for shadow area IBR's for underground mines pursuant to 62 Ill. Adm. Code 1774.13(d).

Minor Underground Facility - 1 (MUF-1) - Use for minor underground facilities on underground mines as provided by 62 Ill. Adm. Code 1785.23 and 1817.182.

If you should have any questions, please contact your field representative or this office.

February 20, 1990

State of Illinois
Department of Mines and Minerals
Division of Land Reclamation
300 West Jefferson Street - Suite 300
P.O. Box 10197
Springfield, Illinois 62791-0197

APPLICATION FOR SURFACE COAL MINING AND RECLAMATION OPERATIONS
INCIDENTAL BOUNDARY REVISION IBR-1

PART I

DATE: _____

NOTICE
This state agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Ill. Rev. Stat. 1987 Ch. 96 1/2, par. 7901.01 et seq. Disclosure of this information is voluntary, however failure to comply may result in this form not being processed. This form has been approved by the Forms Management Center.

1) A) General Information
(I)(We)(The)_____
(Name of Company, Corporation, Partnership or Individual)

_____ _____
(Address) (Telephone Number)

hereby submit application for an Incidental Boundary Revision to Permit_____

Name of Mine _____.
MSHA No._____

I, _____ under penalty
(vice president or his duly authorized representative under the existing permit)

of perjury declare that all information provided in this application is true and correct to the best of my knowledge.

_____
Title

ADDITIONAL ACRES REQUESTED_____ EXISTING PERMIT ACREAGE _____

(I) (We) _____
(Individual or Individuals)

under penalty of perjury declare on behalf of the applicant, _____, that said applicant has valid documents which bestow upon the applicant a legal right to enter and commence surface coal mining and reclamation operations upon lands contained in the proposed IBR area, and such legal right is not in any way the subject of pending court litigation.

Dated this _____ day of _____, 19 ___.

_____ _____
Signature Title

ENGINEERING CERTIFICATION

I hereby certify the engineering design used in preparation of this application, attachments, and supplements was done by me or under my direct supervision.

I further certify to the best of my knowledge all such design is in accordance with all applicable local, state and federal laws, rules and regulations. I have placed an "X" in the box below if that item is relevant.

[ ]	Whereas the Reclamation Plan calls for an alternative land use, I also certify the plans to conform to applicable accepted standards for adequate land stability, drainage, vegetative cover, and aesthetic design appropriate for the post-mining use of the site.
[ ]	Whereas the operation proposes disposal of spoil or waste materials in areas other than mining workings or excavations, I also certify such fills are designed in accordance with recognized professional standards and all applicable laws.
[ ]	Certification of Illinois Environmental Protection Agency-35 Ill. Admin. Code 405.104(a) Permit In my professional judgement, the plans and specifications submitted as part of this application describe an operation which will meet all applicable effluent and water quality standards. I certify that I am familiar with all of the plans, specifications, reports, and maps submitted as part of this application and that said plans, etc. are accurate insofar as they represent existing conditions.

_____ _____
Name Illinois Registration Number (Seal)

_____ _____
Firm Phone Number

_____ _____
Address

_____ _____
Signature Date

B) Indicate the type of disturbance and associated acreage.

Type of Disturbance	Existing Permit	IBR	Total
Area Stripping	____	____	____
Mine Waste Areas	____	____	____
Processing Areas & Support Facilities	____	____	____
Access, Haul Roads & Transport Facilities	____	____	____
Soil Storage Areas	____	____	____
Diversions	____	____	____
Coal Recovery (Gob & Slurry)	____	____	____
Other	____	____	____
Not to be Disturbed	____	____	____

2) A) Provide name and address of every legal or equitable owner of record of the IBR area.

B) Provide name and address of the owner of record for all surface and subsurface areas contiguous to any part of the proposed IBR area.

C) Show location of owners of record of those lands, both surface and subsurface, included in or contiguous to the IBR area on premining land use map or another map, if necessary.

3) Provide name and address of any holder of record of leasehold interest for the IBR area.

4) Affidavits, Certifications

A) Complete affidavit regarding applicant's legal right to enter and begin surface coal mining and reclamation operations in the IBR area and whether that right is the subject of pending litigation. Identify the documents upon which affidavit is based by type and date of execution and identify specific lands to which each document pertains and explain the legal rights claimed by the applicant (1778.15(a)). If the private mineral estate to be mined has been severed from the private surface estate, provide copies of the documents required under Section 1778.15(B)(1)-(3). On the permit map or other designated map show the boundaries of land within the permit area upon which the applicant has the legal right to enter and begin surface mining activities.

B) Complete certification for engineering aspects of the application. In addition to the general certification, three specific certifications are included which are applicable only if the box in front of each is marked. The first two cover special permit requirements and should be marked only when they occur for the proposed permit. The third certification covers the Illinois Environmental Protection Agency permit requirements. In most cases, an Illinois registered engineer

will be required to certify I.E.P.A. permit requirements. Except as otherwise provided all maps, plans and cross-sections included in the permit application shall be prepared by, or under the direction of, and sealed by a qualified registered professional engineer licensed under the Illinois Professional Engineering Act, a qualified registered structural engineer licensed under the Illinois Structural Engineering Act or if authorized by state law, a qualified registered professional land surveyor licensed under the Illinois Land Surveyors Act with assistance from experts in related fields.

5) Areas Designated Unsuitable for Mining

A) Does proposed IBR area include --

(1) Lands within boundaries of the National Park System, National Wildlife Refuge System, National Recreation Areas, etc. [Section 1761.11(a)]? yes ____ no ____

(2) National forest land? yes ____ no ____

(3) Any land which will adversely affect any publicly-owned park or places included in or eligible for listing in the National Register of Historic places, etc. [per Sections 1779.12(b)]? Yes ___ No ____ If yes, complete Part II, Section 10, (B) & (C) of the SCM-1.

(4) Any public roads which are to be removed, relocated or temporarily closed? yes ____ no ____. Indicate on the pre-mining land use map or other designated map the location of the public roads and attach a copy of the written agreement from the appropriate authority authorizing the relocation, removal or temporary closure. Describe the measures to be used to insure that the interest of the public and land owners affected will be protected.

B) Will proposed IBR area be located --

(1) Within 100 feet of the right-of-way line of any public road? yes ____ no ____

If yes, explain proposed procedure for complying with regulation section 1761.12(c), including request for variance, if relevant. Provide location of public roads on pre-mining land use map or other designated map. Describe the measures to be used to insure that the interest of the public and land owners affected will be protected.

(2) Within 300 feet measured horizontally from any occupied dwelling? yes ____ no ____ If so, is waiver provided meeting requirements of Section 1761.12(d)?

(3) Within 300 feet measured horizontally of any public building, school, church, community or institutional building or public park? yes ____ no ____

(4) Within 100 feet measured horizontally of a cemetery? yes____ no _____

C) Are valid existing rights (per 1761.11) claimed for any part of the IBR area? yes ____ no ____ If yes, provide documentation to substantiate claim.

PART II

PREMINING INFORMATION

Premining information is to be displayed on premining land use map unless otherwise indicated.

1) Describe how the IBR area perimeter will be marked and discuss the method or system employed to locate permit area perimeter and set markers along it. Designate a reference point outside the IBR area if different then the original permit. Provide a description of the reference point and a sketch relating the reference point to the IBR area perimeter.

2) Explain and locate areas where the IBR is contiguous to an existing permit.

3) Give the acreages of each land use within the proposed IBR and existing permit area, employing land use categories of Section 1701.5 listed below, and delineate on premining land use map existing land uses in the proposed permit area and adjacent to it. Include on the premining land use map the location of all buildings and identify the current use of these buildings.

Pre-Mine Land Use	Existing Permit	IBR	Total
Cropland	_____	____	_____
Pasture land	_____	____	_____
Grazing land	_____	____	_____
Forestry	_____	____	_____
Residential	_____	____	_____
Industrial/Commerical	_____	____	_____
Recreation	_____	____	_____
Fish and Wildlife Habitat	_____	____	_____
Developed Water Resources	_____	____	_____
Undeveloped land	_____	____	_____

4) Soils Information Map

A) Does the submitted soils map represent a map developed by the Soil Conservation Service? Yes ____ No ____. If no, explain.

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

C) Are any of the identified map units correlated as prime farmland by SCS criteria? Yes ____ No ____. If yes, explain and provide documentation to meet the requirements of Section 1785.17, if a determination for grandfathering and/or negative determination is sought. If prime farmlands exist which will not meet the exemption criteria described above, the approved prime farmlands restoration plan must be followed.

D) Submit, by completing soils information chart, acreage totals of each map unit (soil type and slope classification) and land use capability classes in the IBR area and the percent slope range of each lettered slope classification used on the soil map.

E) Provide, by completing soil information chart, acreage for each of the map units of high capability land (including grandfathered and negatively determined prime farmland) and non-cropland capability land with respect to areas which will be mined and areas which will incur other forms of disturbance (i.e., roads, ditches, etc.). Identify and provide map unit acreage values, if any, for areas which will not be disturbed.

F) Are selected overburden materials proposed to be used in lieu of or as a supplement to the A-horizon? Yes ____ No ____. If yes, provide the appropriate information required under 1780.18(b)(4)/1784.13(b)(4).

IBR AREA ONLY

SOILS INFORMATION CHART

				ACTUAL SURFACE MINING AREA (Acres)					SUPPORT AREA			
				Prime Farmland Soils			High Cap. Soils	Other	Prime Farmland Soils	High Cap. Soils	Other Soils	Totals
Soil Type	Name	Slope Class.	Land Use Cap.	Prime Soils	Neg. Determ.	Grand-Fathered						
	TOTALS											

February 20. 1990

PART III

OPERATIONS PLAN

1) Explain the proposed operation and why the IBR is needed. Locate on a mining operations map.

2) Surface Drainage Control

   A) (1) Locate on the mining operations map or on a separate drainage map all proposed drainage control systems. Show drainage patterns of all affected mining areas.

      (2) Will all surface drainage from the affected mining area be collected and treated prior to leaving the IBR area? Yes ____ No ____. If yes, delineate how and where surface drainage will be collected and treated, and list permit numbers and type of permit that the drainage control systems are operated under. If above answer is no, explain how regulatory compliance will be achieved without treatment, i.e., address the requirements of 1816.46(e)/1817.46(e).

   B) Will all surface drainage from unaffected areas be intercepted and diverted around the affected mining area? Yes ____ No ____. If no, please discuss.

   C) Overland Flow Diversions and Sediment Ponds

      Are either overland flow diversions or sediment ponds to be constructed? Yes ___ No ___. If yes, complete applicable parts of the SCM-1 or UCM-1 Part IV (surface drainage control).

   D) Does a perennial or intermittent stream occur within the proposed IBR area? Yes _____ No _____. If yes, is an exception to the 100 foot buffer zone being requested or is a stream diversion being proposed. For an exception to the 100 foot buffer zone, indicate how compliance with 1816.57/1817.57 will be assured. For a stream diversion, complete applicable parts of the SCM-1 or UCM-1.

3) Roads and other activities

   A) Are roads to be constructed in the IBR area? Yes ___ No ___. If yes, complete the applicable part of the SCM-1or UCM-1 (transportation facilities).

   B) If the operations involve other activities not specifically addressed above complete applicable parts of the SCM-1 or UCM-1.

4) Are any existing structures proposed for utilization in the IBR? Yes ____ No ____. If yes, complete Part IV.4 of the SCM-1 or UCM-1.

PART IV

RECLAMATION PLAN

1) Provide a reclamation plan map outlining proposed reclamation of the lands within the proposed IBR area and state how the IBR area will be reclaimed in conformity with the original plan.

2) Post Mining Land Use

   A) Provide a detailed description of proposed post-mining land uses and capabilities employing land use and capability categories listed below. Provide acreage figures for each post-mining land use proposed for the existing permit, the IBR area and total permit after inclusion of the IBR acreage and designate the post-mining land uses on the Post Mining Land Use Map. Acreage figures for post-mining land use must differentiate between mined and surface disturbance areas based on the mining line used in the premining section of the application.

Land Uses	Capability Classification
Cropland	Prime Farmland
Pasture Land	
Grazingland	High Capability - meeting productivity requirements of Section 1825 (90% or 100%)
Forestry	
Residential	
Industrial, Commercial	
Recreation	High Capability - meeting productivity requirements of 1823 (prime farmland grandfathered after July 31, 1982 under Section 1785.17)
Fish and Wildlife Habitat	
Developed Water Resources	
Undeveloped Land	Non-Cropland - All soils which do not qualify as prime farmland or high capability

Land Use & Capability	Existing Permit (Ac)	IBR Area (Ac)	Total (Ac)

State of Illinois
Department of Mines and Minerals
Division of Land Reclamation
300 West Jefferson Street - Suite 300
P.O. Box 10197
Springfield, Illinois 62791-0197

APPLICATION FOR UNDERGROUND COAL MINING ACTIVITIES
SHADOW AREA INCIDENTAL BOUNDARY REVISION
SIBR - 1

PART I

DATE: _____

NOTICE
This state agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Ill. Rev. Stat. 1987 Ch. 96 1/2, par. 7901.01 et seq. Disclosure of this information is voluntary, however failure to comply may result in this form not being processed. This form has been approved by the Forms Management Center.

1) A) General Information
(I)(We)(The)_____
(Name of Company, Corporation, Partnership or Individual)

_____ _____
(Address) (Telephone Number)

hereby submit application for an Incidental Boundary Revision to the shadow area of Permit_____.

Name of Mine _____.

I, _____ under penalty
(vice president or his duly authorized representative under the existing permit)

of perjury declare that all information provided in this application is true and correct to the best of my knowledge.

_____
Title

ADDITIONAL ACRES REQUESTED_____ TOTAL SHADOW AREA ACREAGE_____

2) Explain the proposed operation and why the IBR is needed. Locate the addition on a shadow area map incorporating all features under 1783.24(e), (i) and (j) and (k); 1783.25(a), (1), (5), (7) and (10). Include all topographic features at a maximum contour interval of ten (10') feet.

3) Within the shadow and adjacent areas, does the operator intend to adopt mining technologies which provide for planned subsidence in a predictable and controlled manner? Yes _____ No _____

If yes, provide information requested under A) "Planned Subsidence" below.

If no, provide information requested under B) "Unplanned Subsidence" below.

A) Planned Subsidence

1) Is the operator proposing any change in the approved subsidence control plan pursuant to provisions of Section 1784.20? Yes _____ No _____

If yes, discuss these changes and detail how they will affect the approved subsidence control plan.

2) Describe the anticipated effects of planned subsidence.

Using the predicted magnitude, extent of planned subsidence profiles, post-subsidence contours and angle of draw, provide a list of all structures and facilities located within the projected area of influence of the planned subsidence. The list provided must correspond to each panel or extraction area to be mined by planned subsidence mining methods and must cross-reference with surface structures and feature map(s).

B) Unplanned Subsidence

Is the operator proposing any change in the approved subsidence control plan pursuant to provisions of Section 1784.20 such as extraction percentage, pillar dimensions, etc? Yes _____ No _____

If yes, provide details of the proposed operations change and its impact on maximum mine stability).

4) Provide name and address of every legal or equitable owner of record for all the mineral property to be mined.

5) Affidavits, Certifications

A) Complete affidavit regarding applicant's legal right to enter and begin surface coal mining and reclamation operations in the revised shadow area and whether that right is the subject of pending litigation. Identify the documents upon which the affidavit is based by type and date of execution and identify specific lands to which each document pertains and explain the legal rights claimed by the

applicant including the right to subside within the shadow area (when subsidence is planned) (1778.15(a)). On the permit map or other designated map show the boundaries of land upon which the applicant has the legal right to enter and begin underground mining activities.

B) Complete certification for engineering aspects of the application. Except as otherwise provided all maps, plans and cross-sections included in the permit application shall be prepared by, or under the direction of, and sealed by a qualified registered professional engineer licensed under the Illinois Professional Engineering Act, a qualified registered structural engineer licensed under the Illinois Structural Engineering Act or if authorized by state law, a qualified registered professional land surveyor licensed under the Illinois Land Surveyors Act with assistance from experts in related fields.

6) Areas Designated Unsuitable for Mining

A) Does proposed boundary revision underlie areas designated unsuitable for surface coal mining and reclamation operations, or under study for designation in an administrative proceeding as unsuitable for surface coal mining and reclamation operations? (Sections 1761 and 1764) Yes _____ No _____.

B) Does proposed boundary revision area include --

(1) Lands within boundaries of the National Park System, National Wildlife Refuge System, National Recreation Areas, etc. [Section 1761.11(a)]? Yes _____ No _____

(2) National forest land? Yes _____ No _____

(3) Any land which will adversely affect any publicly-owned park or places included in or eligible for listing in the National Register of Historic places, etc. [per Section 1779.12(b)]? Yes _____ No _____

If yes, complete Part II, Section 10, (B) & (C).

C) Will proposed shadow area boundary revision be located under or adjacent to --

(1) Any public building, school, church, community or institutional building or public park? Yes _____ No _____

(2) Any cemetery? Yes _____ No _____

(3) The right-of-way line of any public road? Yes _____ No _____ (If yes and planned subsidence is proposed, provide public notice information or respond to (D) below regarding valid existing rights).

(4) Any occupied dwelling? Yes _____ No _____ (If yes, and planned subsidence is proposed furnish waiver from dwelling owner (1761.12(d) or respond to (D) below regarding valid existing rights).

(5) Under or adjacent to any 20 acre foot impoundment or perennial stream? Yes _____ No _____

D) Are valid existing rights claimed for any part of the IBR area? Yes _____ No _____ If yes, provide documentation to substantiate claim according to 62 Ill. Adm. Code 1778.15.

(I) (We) _____
(Individual or Individuals)

under penalty of perjury declare on behalf of the applicant, _____, that said applicant has valid documents which bestow upon the applicant a legal right to enter and commence coal mining operations upon lands contained in the proposed IBR area, and such legal right is not in any way the subject of pending court litigation.

Dated this _____ day of _____, 19 ___.

_____ _____
Signature Title

ENGINEERING CERTIFICATION

I hereby certify the engineering design used in preparation of this application, attachments, and supplements was done by me or under my direct supervision.

I further certify to the best of my knowledge all such design is in accordance with all applicable local, state and federal laws, rules and regulations.

I certify that I am familiar with all of the plans, specifications, reports, and maps submitted as part of this application and that said plans, etc. are accurate insofar as they represent existing conditions.

Name	Illinois Registration Number (Seal)
Company	Phone Number
Address	
Signature	Date

State of Illinois
Department of Mines and Minerals
Division of Land Reclamation
300 West Jefferson Street - Suite 300
P.O. Box 10197
Springfield, Illinois 62791-0197

APPLICATION FOR SURFACE COAL MINING AND RECLAMATION OPERATIONS
MINOR UNDERGROUND FACILITY
MUF-1

PART I

DATE: _____

NOTICE
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1) A) General Information
(I)(We)(The)_____
(Name of Company, Corporation, Partnership or Individual)

_____ _____
(Address) (Telephone Number)

hereby submit application for a Minor Underground Facility Permit.

Name of Mine _____.

I, _____ under penalty
(vice president or his duly authorized representative)

of perjury declare that all information provided in this application is true and correct to the best of my knowledge.

_____
Title

PERMIT ACREAGE_____ COUNTY _____ TWP._____ RANGE _____ SEC._____

B) Indicate the type of disturbance and associated acreage.

Acres	Type of Disturbance
_____	Development Entries, Air Shafts
_____	Processing Areas & Support Facilities
_____	Access, Haul Roads, & Transport Facilities
_____	Soil Storage Areas
_____	Diversions
_____	Other
_____	Not to be Disturbed

2) A) Provide name and address of every legal or equitable owner of record of the permit area.

B) Provide name and address of the owner of record for all surface and subsurface areas contiguous to any part of the proposed permit area.

C) Show location of owners of record of those lands, both surface and subsurface, included in or contiguous to the permit area on premining land use map or another map, if necessary.

3) Provide name and address of any holder of record under a real estate contract of the property for the permit area.

4) Affidavits, Certifications

A) Complete affidavit regarding applicant's legal right to enter and begin surface coal mining and reclamation operations in the permit area and whether that right is the subject of pending litigation.

Identify the documents upon which affidavit is based by type and date of execution and identify specific lands to which each document pertains and explain the legal rights claimed by the applicant (1778.15(a)). On the permit map or other designated map show the boundaries of land within the permit area upon which the applicant has the legal right to enter and begin surface mining activities.

B) Complete certification for engineering aspects of the application. In addition to the general certification, three specific certifications are included which are applicable only if the box in front of each is marked. The first two cover special permit requirements and should be marked only when they occur for the proposed permit. The third certification covers the Illinois Environmental Protection Agency permit requirements. In most cases, an Illinois registered engineer will be required to certify I.E.P.A. permit requirements. Except as otherwise provided all maps, plans and cross-sections included in the permit application shall be prepared by, or under the direction of, and sealed by a qualified registered professional engineer licensed under the Illinois Professional Engineering Act, a qualified registered structural engineer licensed under the Illinois Structural Engineering Act or if authorized by state law, a qualified registered professional land

surveyor licensed under the Illinois Land Surveyors Act with assistance from experts in related fields.

5) Areas Designated Unsuitable for Mining

A) Does proposed permit area include --

(1) Lands within boundaries of the National Park System, National Wildlife Refuge System, National Recreation Areas, etc. [Section 1761.11(a)]? yes ____ no ____

(2) National forest land? yes ____ no ____

(3) Any land which will adversely affect any publicly-owned park or places included in or eligible for listing on the National Register of Historic places, etc. [per Sections 1779.12(b)]? Yes ___ No ____ If yes, complete Part II, Section 10 of the UCM-1.

(4) Any public roads which are to be removed, relocated or temporarily closed? yes ____ no ____. Indicate on the pre-mining land use map or other designated map the location of the public roads and attach a copy of the written agreement from the appropriate authority authorizing the relocation, removal or temporary closure. Describe the measures to be used to insure that the interest of the public and land owners affected will be protected.

B) Will proposed permit area be located --

(1) Within 100 feet of the right-of-way line of any public road? yes ____ no ____

If yes, explain proposed procedure for complying with regulation section 1761.12(c), including request for variance, if relevant. Provide location of public roads on pre-mining land use map or other designated map. Describe the measures to be used to insure that the interest of the public and land owners affected will be protected.

(2) Within 300 feet measured horizontally from any occupied dwelling? yes ____ no ____ If so, is waiver provided meeting requirements of Section 1761.12(d)?

(3) Within 300 feet measured horizontally of any public building, school, church, community or institutional building or public park? yes ____ no ____

(4) Within 100 feet measured horizontally of a cemetery? yes____ no _____

C) Are valid existing rights (per 1761.11) claimed for any part of the permit area? yes ____ no ____ If yes, provide documentation to substantiate claim.

(I) (We) _____
(Individual or Individuals)

under penalty of perjury declare on behalf of the applicant, _____, that said applicant has valid documents which bestow upon the applicant a legal right to enter and commence surface coal mining and reclamation operations upon lands contained in the proposed minor underground facility area, and such legal right is not in any way the subject of pending court litigation.

Dated this _____ day of _____, 19 ___.

_____ _____
Signature Title

ENGINEERING CERTIFICATION

I hereby certify the engineering design used in preparation of this application, attachments, and supplements was done by me or under my direct supervision.

I further certify to the best of my knowledge all such design is in accordance with all applicable local, state and federal laws, rules and regulations. I have placed an "X" in the box below if that item is relevant.

[ ]	Whereas the Reclamation Plan calls for an alternative land use, I also certify the plans to conform to applicable accepted standards for adequate land stability, drainage, vegetative cover, and aesthetic design appropriate for the post-mining use of the site.
[ ]	Whereas the operation proposes disposal of spoil or waste materials in areas other than mining workings or excavations, I also certify such fills are designed in accordance with recognized professional standards and all applicable laws.
[ ]	Certification of Illinois Environmental Protection Agency-35 Ill. Admin. Code 405.104(a) Permit In my professional judgement, the plans and specifications submitted as part of this application describe an operation which will meet all applicable effluent and water quality standards. I certify that I am familiar with all of the plans, specifications, reports, and maps submitted as part of this application and that said plans, etc. are accurate insofar as they represent existing conditions.

Name	Illinois Registration Number (Seal)
Firm	Phone Number
Address	
Signature	Date

PART II

PREMINING INFORMATION

Premining information is to be displayed on premining land use map unless otherwise indicated.

1) Describe how the permit area perimeter will be marked and discuss the method or system employed to locate permit area perimeter and set markers along it. Designate a reference point outside the permit area. Provide a description of the reference point and a sketch relating the reference point to the permit area perimeter.

2) Identify the mine the facility is associated with.

3) Give the acreages of each land use within the proposed permit area, employing land use categories of Section 1701.5 listed below, and delineate on premining land use map existing land uses in the proposed permit area and within 300 feet adjacent to it. Include on the premining land use map the location of all buildings and identify the current use of these buildings. Identify any significant fish or wildlife habitat.

_____ Cropland	_____ Forestry
_____ Pasture land	_____ Residential
_____ Fish and Wildlife	_____ Industrial/Commerical
_____ Developed Water Resources	_____ Recreation

_____ Undeveloped land or no current use or land management

4) Soils Information Map

Does the minor underground facility application contain a soils map? yes _____ no _____. If yes, respond to questions A-D below; if no please explain.

A) Does the submitted soils map represent a map developed by the Soil Conservation Service? yes ____ no ____. If no, explain.

B) Are any of the identified map units correlated as prime farmland by SCS criteria? yes _____ no _____.

C) Submit, by completing soils information chart, acreage totals of each map unit (soil type and slope classification) and land use capability classes in the permit area and the percent slope range of each lettered slope classification used on the soil map.

D) Are selected overburden materials proposed to be used in lieu of or as a supplement to the A-horizon? yes _____ no _____. If yes, provide the appropriate information required under 1784.13(b)(4).

SOILS INFORMATION CHART

Soil Type	Name	Slope Class.	Land Use Cap.	Productivity High Level Management	PERMIT AREA (acres)		
					Prime Farmland Soils	Other Soils	TOTALS
	TOTALS						

PART III

OPERATIONS PLAN

1) Describe the proposed operation. Include types of equipment used, drilling, blasting, excavation, waste disposal, topsoil salvage and other related activities. Locate on a mining operations map.

2) Surface Drainage Control

   A) (1) Locate on the mining operations map or on a separate drainage map all proposed drainage control systems. Show drainage patterns of all affected mining areas.

   (2) Will all surface drainage from the affected mining area be collected and treated prior to leaving the permit area? Yes ____ No ____. If yes, delineate how and where surface drainage will be collected and treated, and list permit numbers and type of permit that the drainage control systems are operated under. If above answer is no, explain how regulatory compliance will be achieved without treatment, i.e., address the requirements of 1817.46(e).

   B) Will all surface drainage from unaffected areas be intercepted and diverted around the affected mining area? Yes ____ No ____. If no, please discuss.

   C) Overland Flow Diversions and Sediment Ponds

   Are either overland flow diversions or sediment ponds to be constructed? Yes ___ No ___. If yes, complete applicable parts of the UCM-1 Part IV(7)(D), (E), and (F).

   D) Does a perennial or intermittent stream occur within the proposed permit area? Yes _____ No _____. If yes, is an exception to the 100 foot buffer zone being requested or is a stream diversion being proposed. For an exception to the 100 foot buffer zone, indicate how compliance with 1817.57 will be assured.

3) Roads and other activities

   A) Are roads to be constructed in the permit area? Yes ___ No ___. If yes, complete the applicable part of the UCM-1 [IV(5)(c)(1-7)].

   B) If the operations involve other activities not specifically addressed above complete applicable parts of the UCM-1.

4) Coal removal

   Will any coal be removed? Yes ____ No _____. If yes, describe the method of removal and the amount.

5) Are any existing structures proposed to be utilized? Yes ____ No ____. If yes, complete part IV.4 of the UCM-1.

PART IV

RECLAMATION PLAN

1) Provide a reclamation plan map outlining proposed reclamation of the lands within the proposed permit and include a timetable and discussion as to how the area will be reclaimed (including the sealing of any boreholes or openings, regrading and revegetation).

2) Post Mining Land Use

   A) Provide a detailed description of proposed post-mining land uses employing land use categories listed below. Provide acreage figures for each post-mining land use proposed for the proposed permit area and designate the post-mining land uses on the Post Mining Land Use Map.

Land Uses
Cropland
Pasture Land
Forestry
Residential
Industrial, Commercial
Recreation
Fish and Wildlife Habitat
Developed Water Resources
Undeveloped Land