

GeoMine Data Dictionary

Last updated 1/23/2023

This data dictionary is intended to provide clarification on field definitions and coded domain values for the OSMRE geospatial layers in the [GeoMine](#) web application. Full field descriptions, coded value domains, and domain definitions are defined in ASTM standard D7780-12. Any further inquiries can be directed to gis@osmre.gov.

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All Surface Coalmine Operations

NOTE: This data is also associated with the bonded areas for underground coal mine operations.

Permittee

The entity to whom a permit has been issued by the Regulatory Authority to conduct surface coal mining and reclamation operations.

Data Type: Text

Domain: None

Allow Nulls: YES

Length: 60

Comments:

Company

The name of the coal company that operated the underground mine.

Data Type: Text

Domain: None

Allow Nulls: YES

Length: 60

Comments:

Coal Mine Operation Status

The status of coal mining and reclamation operations, as defined by the Regulatory Authority.

Data Type: Short Integer

Domain: CMOandPermitStatus

- | | |
|-----------------------------|---|
| 1 Active | Mine site has ongoing coal production and/or reclamation activities. |
| 2 Inactive | Mine site has no coal extraction or reclamation activity taking place as defined in 30 CFR 840.11(f). |
| 3 Abandoned | All surface coal mining activities have ceased and operator has left the site without completing reclamation as defined in 30 CFR 840.11(g)(1-2). |
| 4 Not Applicable | Surface mine operations mined prior to the enactment of SMCRA, August 3, 1977. |
| 5 Revoked | Surface mine permit that has been repealed, rescinded, cancelled, or annulled by the Regulatory Authority. |
| 6 Initial (Interim) Program | Those permits issued by the Regulatory Authorities between the enactment of SMCRA on August 3, 1977 and the date they gained primacy over the permanent regulatory program. The exact date of primacy varies by State Regulatory Authority. |
| 7 Released | The permittee has met all reclamation requirements for final bond release. |

Allow Nulls: NO

Precision: 5

Comments:

Mine Name

The legal name for a Coal Mining Operation.

Data Type: Text

Domain: None

Allow Nulls: YES

Length: 50

Comments:

Permit ID

The unique identifier assigned by the Regulatory Authority which issues a coal mining and reclamation permit; the identifier is usually a number or alphanumeric combination.

Data Type: Text

Domain: None

Allow Nulls: YES

Length: 40

Comments:

MSHA ID

The unique identifier assigned by the Mine Safety and Health Administration. The identifier is usually a number or an alphanumeric combination.

Data Type: Text

Domain: None

Allow Nulls: YES

Length: 40

Comments:

State/Tribe Mine ID

The unique identifier assigned by the Regulatory Authority which issues a coal mining and reclamation mine ID; the identifier is usually a number or alphanumeric combination.

Data Type: Text

Domain: None

Allow Nulls: YES

Length: 40

Comments:

National ID

A unique identifier created by combining the standard state or tribal abbreviation code and the Permit ID assigned by the Regulatory Authority; this unique identifier helps in organization, retrieval, and analysis of individual state or tribal data combined into the nationwide dataset.

Data Type: Text

Domain: None

Allow Nulls: NO

Length: 40

Comments:

Coal Bed Name(s)

The geologic name of the coal seam extracted as reported in the permit document, determined by the Regulatory Authority, or identified as unknown/undetermined. May be a local/regional name or state geological survey stratigraphic name.

Data Type: Text

Domain: None

Allow Nulls: YES

Length: 512

Comments:

Date of Map

The date of the source document used to generate the underground coal mining extent data. The source document may not represent the actual "final" extent of mining.

Data Type: Date

Domain: None

Allow Nulls: YES

Comments:

Inspectable Unit Status

As per OSM's Directive REG-8, Table 6, An Inspectable Unit is defined by the Regulatory Authority and may include multiple small and neighboring Initial Program Sites or Permanent Program Permits that have been grouped together as one Inspectable Unit for inspection efficiency. An Inspectable Unit also may be one of multiple inspectable units for one Permanent Program Permit that was divided into multiple inspectable units to allow full coverage of complete inspections of the site.

Data Type: Short Integer

Domain: InspectableUnitStatus

- | | |
|--------------------------|---|
| 1 Active | Mine site has ongoing coal production and/or reclamation activities. |
| 2 Inactive | Mine site has no coal extraction or reclamation activity taking place as defined in 30 CFR 840.11(f). |
| 3 Abandoned | All surface coal mining activities have ceased and operator has left the site without completing reclamation as defined in 30 CFR 840.11(g)(1-2). |
| 4 Unpermitted or Illegal | Coal mining activity is occurring without a permit. |

Allow Nulls: NO

Precision: 5

Comments:

Post-SMCRA

Indicates whether mining occurred after the passage of the Surface Mining Control and Reclamation Act of 1977.

Data Type: Short Integer

Domain: YesNo

- | | |
|---|-----|
| 0 | No |
| 1 | Yes |

Allow Nulls: YES

Precision: 5

Comments:

Calculated Area

The area of a feature as calculated from a polygon in acres.

Data Type: Double

Domain: None

Allow Nulls: NO

Precision: 38

Scale: 8

Comments: For comparison with Reported Area.

Reported Area

The area of a feature as reported to the Regulatory Authority in acres.

Data Type: Double

Domain: None

Allow Nulls: YES

Precision: 38

Scale: 8

Comments: For comparison with Calculated Area.

Permit Application Types

SMCRA permit types as defined below.

Data Type: Short Integer

Domain: ApplicationType

1 Pending Application

Surface mine permit application that has been submitted, but not approved by the Regulatory Authority.

2 Permit Revision

A revision that is a significant departure from the existing permit which may result in a significant impact in the health, safety, and welfare of the public, the hydrologic balance in the area of the operation and in the postmining land use. (30 CFR 774.13 (a) - (c)).

3 Incremental Boundary Revision (IBR)

A revision limited to minor shifts or extensions of the permit boundary into non-coal area(s) where any coal extraction is incidental. IBR's also includes the addition or deletion of bonded permit acreage (30 CFR 774.13 (d)).

Allow Nulls: YES

Precision: 5

Comments:

Permit Application Date

The date of the original application or an application to revise the permit that brings about a change to the geospatial feature.

Data Type: Date

Domain: None

Allow Nulls: YES

Comments:

Permit Application Approval Date

The date the permit application was approved by the Regulatory Authority that could result in creation or change to a geospatial feature.

Data Type: Date

Domain: None

Allow Nulls: YES

Comments:

State/Tribe Defined Edit Date

The last date the record was updated or changed for a coal mining feature or attribute, or both, as recorded by the Authoritative Data Source.

Data Type: Date

Domain: None
Allow Nulls: YES
Comments:

Area Mine

A surface mining method that is carried out on level to gently rolling topography or relatively large tracts of land.

Data Type: Short Integer
Domain: YesNo
0 No
1 Yes
Allow Nulls: YES
Precision: 5
Comments:

Contour

A mining method commonly used in eastern mountainous topography where coal is removed in a narrow strip around the hillside.

Data Type: Short Integer
Domain: YesNo
0 No
1 Yes
Allow Nulls: YES
Precision: 5
Comments:

Mountaintop

A mining operation that removes an entire coal seam or seam(s) in an upper fraction of a mountain, ridge, or hill and creating a level plateau or a gently rolling contour with no highwalls.

Data Type: Short Integer
Domain: YesNo
0 No
1 Yes
Allow Nulls: YES
Precision: 5
Comments:

Steep Slope

Coal mining and reclamation operations on natural slopes that exceed 20 degrees that are subject to performance standards specified in 30 CFR 716.2.

Data Type: Short Integer
Domain: YesNo
0 No
1 Yes
Allow Nulls: YES
Precision: 5
Comments:

Highwall

Highwall mining systems capable of mining parallel underground entries from the surface to predetermined depths to maximize mineral recovery and limit personnel exposure to underground hazards.

Data Type: Short Integer

Domain: YesNo

0 No

1 Yes

Allow Nulls: YES

Precision: 5

Comments:

Auger

Method of recovering coal by boring into the coal seam exposed by excavation.

Data Type: Short Integer

Domain: YesNo

0 No

1 Yes

Allow Nulls: YES

Precision: 5

Comments:

Comment

Any additional comments as reported by the Regulatory Authority.

Data Type: Text

Domain: None

Allow Nulls: YES

Length: 256

Comments:

Contact

The name of the Regulatory Authority responsible for overseeing the permitted and non-permitted mining operation(s) and for creating or maintaining the Coal Mine Operation geospatial data.

Data Type: Short Integer

Domain: Contact

- 1 Virginia Dept. of Mines, Minerals and Energy; Big Stone Gap, VA; +1.276.523.8193
- 2 West Virginia Department of Environmental Protection, Division of Mining and Reclamation; Charleston, WV; +1.304.926.0490
- 3 Kentucky Energy and Environment Cabinet, Department of Natural Resources, Division of Mine Permits; Frankfort, KY; +1.502.564.6940
- 4 US Office of Surface Mining, Tennessee Field Office; Knoxville, TN; +1.865.545.4103
- 5 US Office of Surface Mining, Western Region Office; Denver, CO; +1.303.236.2937
- 6 Iowa Department of Natural Resources; Des Moines, IA; +1.515.725.8200
- 7 Illinois Department of Natural Resources, Office of Mines and Minerals, LRD; Springfield, IL; +1.217.782.4970
- 8 Alabama Surface Mining Commission; Jasper, AL; +1.205.221.4130
- 9 Mississippi Department of Environmental Quality, Mining and Reclamation Division; Jackson, MS; +1.601.961.5171

- 10 Colorado Department of Natural Resources, Division of Reclamation, Mining, and Safety; Denver, CO; +1.303.866.3567
- 11 Louisiana Department of Natural Resources, Office of Conservation, Injection and Mining Division, Surface Mining Section; Baton Rouge, LA; +1.225.342.5515
- 12 Montana Department of Environmental Quality, Coal Section; Helena, MT; +1.406.444.4970
- 13 New Mexico Energy, Minerals, and Natural Resources Department, Mining and Minerals Division; Santa Fe, NM; +1.505.476.3400
- 14 North Dakota Public Service Commission; Bismarck, ND; +1.701.328.2400
- 15 Utah Department of Natural Resources, Division of Oil, Gas, and Mining; Salt Lake City, UT; +1.801.538.5325
- 16 Wyoming Department of Environmental Quality, Land Quality Division; Cheyenne, WY; +1.307.777.7937
- 17 Alaska Department of Natural Resources, Division of Mining, Land and Water, Coal Regulatory Program; Anchorage, AK; +1.907.269.8650

Allow Nulls: NO

Precision: 5

Comments:

Information Hyperlink

URL to the Regulatory Authority's website.

Data Type: Text

Domain: None

Allow Nulls: YES

Length: 128

Comments:

AML Awards

Year

Year in which the award was given.

Data Type: Double

Domain: None

Allow Nulls: YES

Precision: 38

Scale: 8

Comments:

Award Type

Type of reclamation award given: National, Regional, Small Project, Director's Choice, or People's Choice.

Data Type: Text

Domain: None

Allow Nulls: YES

Length: 10485758

Comments:

Project Name

Name of the reclamation project that received the award.

Data Type: Text
Domain: None
Allow Nulls: YES
Length: 10485758
Comments:

Agency

Name of the agency that undertook the reclamation project.

Data Type: Text
Domain: None
Allow Nulls: YES
Length: 10485758
Comments:

Agency (Specific)

The name of the bureau or office within the broader agency that undertook the reclamation project.

Data Type: Text
Domain: None
Allow Nulls: YES
Length: 10485758
Comments:

Project Description

Short narrative describing the reclamation project and its accomplishments.

Data Type: Text
Domain: None
Allow Nulls: YES
Length: 10485758
Comments:

County

County in which the project is located.

Data Type: Text
Domain: None
Allow Nulls: YES
Length: 10485758
Comments:

State

State in which the project is located.

Data Type: Text
Domain: None
Allow Nulls: YES
Length: 10485758
Comments:

OSMRE Award Video

URL to a short video describing the project, its successes, and impacts. Not all projects have videos.

Data Type: Text

Domain: None

Allow Nulls: YES

Length: 10485758

Comments:

OSMRE Award Link

URL to the OSMRE website page describing projects and winners. Older projects may not have thorough descriptions available.

Data Type: Text

Domain: None

Allow Nulls: YES

Length: 10485758

Comments:

OSMRE AML Awards Website

URL to the OSMRE website page describing the AML Awards Program, including eligibility, categories, nomination requirements, and judging standards.

Data Type: Text

Domain: None

Allow Nulls: YES

Length: 10485758

Comments:

Coal Preparation Plants

Permittee

The entity to whom a permit has been issued by the Regulatory Authority to conduct surface coal mining and reclamation operations.

Data Type: Text

Domain: None

Allow Nulls: YES

Length: 60

Comments:

Company

The name of the coal company that operated the underground mine.

Data Type: Text

Domain: None

Allow Nulls: YES

Length: 60

Comments:

Permit Status

The status of the coal mining and reclamation permit operations, as defined by the Regulatory Authority.

Data Type: Short Integer

Domain: CMOandPermitStatus

- | | |
|-----------------------------|---|
| 1 Active | Mine site has ongoing coal production and/or reclamation activities. |
| 2 Inactive | Mine site has no coal extraction or reclamation activity taking place as defined in 30 CFR 840.11(f). |
| 3 Abandoned | All surface coal mining activities have ceased and operator has left the site without completing reclamation as defined in 30 CFR 840.11(g)(1-2). |
| 4 Not Applicable | Surface mine operations mined prior to the enactment of SMCRA, August 3, 1977. |
| 5 Revoked | Surface mine permit that has been repealed, rescinded, cancelled, or annulled by the Regulatory Authority. |
| 6 Initial (Interim) Program | Those permits issued by the Regulatory Authorities between the enactment of SMCRA on August 3, 1977 and the date they gained primacy over the permanent regulatory program. The exact date of primacy varies by State Regulatory Authority. |
| 7 Released | The permittee has met all reclamation requirements for final bond release. |

Allow Nulls: YES

Precision: 5

Comments:

Facility Name

Common name of the coal preparation plant.

Data Type: Text

Domain: None

Allow Nulls: YES

Length: 80

Comments:

Permit ID

The unique identifier assigned by the Regulatory Authority which issues a coal mining and reclamation permit; the identifier is usually a number or alphanumeric combination.

Data Type: Text

Domain: None

Allow Nulls: YES

Length: 40

Comments:

National ID

A unique identifier created by combining the standard state or tribal abbreviation code and the Permit ID assigned by the Regulatory Authority; this unique identifier helps in organization, retrieval, and analysis of individual state or tribal data combined into the nationwide dataset.

Data Type: Text

Domain: None

Allow Nulls: YES

Length: 40

Comments:

Coarse Refuse

The coal preparation plant facility produces coarse coal refuse.

Data Type: Short Integer

Domain: YesNo

0 No

1 Yes

Allow Nulls: YES

Precision: 5

Comments:

Fine Refuse

The coal preparation plant facility produces fine coal refuse; includes slurry and dry refuse.

Data Type: Short Integer

Domain: YesNo

0 No

1 Yes

Allow Nulls: YES

Precision: 5

Comments:

Permit Application Date

The date of the original application or an application to revise the permit that brings about a change to the geospatial feature.

Data Type: Date

Domain: None

Allow Nulls: YES

Comments:

Permit Application Approval Date

The date the permit application was approved by the Regulatory Authority that could result in creation or change to a geospatial feature.

Data Type: Date

Domain: None

Allow Nulls: YES

Comments:

State/Tribe Defined Edit Date

The last date the record was updated or changed for a coal mining feature or attribute, or both, as recorded by the Authoritative Data Source.

Data Type: Date

Domain: None

Allow Nulls: YES

Comments:

Comment

Any additional comments as reported by the Regulatory Authority.

Data Type: Text

Domain: None

Allow Nulls: YES

Length: 256

Comments:

Contact

The name of the Regulatory Authority responsible for overseeing the permitted and non-permitted mining operation(s) and for creating or maintaining the Coal Mine Operation geospatial data.

Data Type: Short Integer

Domain: Contact

- 1 Virginia Dept. of Mines, Minerals and Energy; Big Stone Gap, VA; +1.276.523.8193
- 2 West Virginia Department of Environmental Protection, Division of Mining and Reclamation; Charleston, WV; +1.304.926.0490
- 3 Kentucky Energy and Environment Cabinet, Department of Natural Resources, Division of Mine Permits; Frankfort, KY; +1.502.564.6940
- 4 US Office of Surface Mining, Tennessee Field Office; Knoxville, TN; +1.865.545.4103
- 5 US Office of Surface Mining, Western Region Office; Denver, CO; +1.303.236.2937
- 6 Iowa Department of Natural Resources; Des Moines, IA; +1.515.725.8200
- 7 Illinois Department of Natural Resources, Office of Mines and Minerals, LRD; Springfield, IL; +1.217.782.4970
- 8 Alabama Surface Mining Commission; Jasper, AL; +1.205.221.4130
- 9 Mississippi Department of Environmental Quality, Mining and Reclamation Division; Jackson, MS; +1.601.961.5171
- 10 Colorado Department of Natural Resources, Division of Reclamation, Mining, and Safety; Denver, CO; +1.303.866.3567
- 11 Louisiana Department of Natural Resources, Office of Conservation, Injection and Mining Division, Surface Mining Section; Baton Rouge, LA; +1.225.342.5515
- 12 Montana Department of Environmental Quality, Coal Section; Helena, MT; +1.406.444.4970
- 13 New Mexico Energy, Minerals, and Natural Resources Department, Mining and Minerals Division; Santa Fe, NM; +1.505.476.3400
- 14 North Dakota Public Service Commission; Bismarck, ND; +1.701.328.2400
- 15 Utah Department of Natural Resources, Division of Oil, Gas, and Mining; Salt Lake City, UT; +1.801.538.5325
- 16 Wyoming Department of Environmental Quality, Land Quality Division; Cheyenne, WY; +1.307.777.7937
- 17 Alaska Department of Natural Resources, Division of Mining, Land and Water, Coal Regulatory Program; Anchorage, AK; +1.907.269.8650

Allow Nulls: YES

Precision: 5

Comments:

Information Hyperlink

URL to the Regulatory Authority's website.

Data Type: Text

Domain: None

Allow Nulls: YES

Length: 128

Comments:

Coal Refuse

Permittee

The entity to whom a permit has been issued by the Regulatory Authority to conduct surface coal mining and reclamation operations.

Data Type: Text

Domain: None

Allow Nulls: YES

Length: 60

Comments:

Company

The name of the coal company that operated the underground mine.

Data Type: Text

Domain: None

Allow Nulls: YES

Length: 60

Comments:

Permit Status

The status of the coal mining and reclamation permit operations, as defined by the Regulatory Authority.

Data Type: Short Integer

Domain: CMOandPermitStatus

- | | |
|-----------------------------|---|
| 1 Active | Mine site has ongoing coal production and/or reclamation activities. |
| 2 Inactive | Mine site has no coal extraction or reclamation activity taking place as defined in 30 CFR 840.11(f). |
| 3 Abandoned | All surface coal mining activities have ceased and operator has left the site without completing reclamation as defined in 30 CFR 840.11(g)(1-2). |
| 4 Not Applicable | Surface mine operations mined prior to the enactment of SMCRA, August 3, 1977. |
| 5 Revoked | Surface mine permit that has been repealed, rescinded, cancelled, or annulled by the Regulatory Authority. |
| 6 Initial (Interim) Program | Those permits issued by the Regulatory Authorities between the enactment of SMCRA on August 3, 1977 and the date they gained primacy over the permanent regulatory program. The exact date of primacy varies by State Regulatory Authority. |
| 7 Released | The permittee has met all reclamation requirements for final bond release. |

Allow Nulls: YES

Precision: 5

Comments:

Permit ID

The unique identifier assigned by the Regulatory Authority which issues a coal mining and reclamation permit; the identifier is usually a number or alphanumeric combination.

Data Type: Text

Domain: None

Allow Nulls: YES

Length: 40

Comments:

MSHA ID

The unique identifier assigned by the Mine Safety and Health Administration. The identifier is usually a number or an alphanumeric combination.

Data Type: Text

Domain: None

Allow Nulls: YES

Length: 40

Comments:

National ID

A unique identifier created by combining the standard state or tribal abbreviation code and the Permit ID assigned by the Regulatory Authority; this unique identifier helps in organization, retrieval, and analysis of individual state or tribal data combined into the nationwide dataset.

Data Type: Text

Domain: None

Allow Nulls: YES

Length: 40

Comments:

Impounding Feature

Water, sediment, or slurry holding structures and depressions, either naturally formed or artificially constructed.

Data Type: Short Integer

Domain: YesNo

0 No

1 Yes

Allow Nulls: YES

Precision: 5

Comments:

Design Refuse Impounded Volume

The maximum design volume of a structure represented in the permit as a feature. For impounding features or slurry or both, use acre-feet and for coarse refuse, use cubic yards.

Data Type: Double

Domain: None

Allow Nulls: YES

Precision: 38

Scale: 8

Comments:

Reported Refuse Impounded Volume

The volume of the impoundment in the permit as a feature. For impounding features or slurry or both, use acre-feet and for coarse refuse, use cubic yards.

Data Type: Double

Domain: None

Allow Nulls: YES

Precision: 38

Scale: 8

Comments:

Normal Pool Elevation

Height above mean sea level of water/slurry surface under normal conditions.

Data Type: Double

Domain: None

Allow Nulls: YES

Precision: 38

Scale: 8

Comments:

Slurry Cells

Disposal areas in which coal slurry refuse is placed in dug-out isolated troughs.

Data Type: Short Integer

Domain: YesNo

0 No

1 Yes

Allow Nulls: YES

Precision: 5

Comments:

Coal Refuse Feature Placement Status

Status of feature.

Data Type: Short Integer

Domain: RefusePlacementStatus

1 Proposed Coal refuse placement has not yet started.

2 Active Coal refuse placement is active.

3 Inactive Coal refuse placement activity has ceased.

4 Complete All coal refuse placement has been completed.

Allow Nulls: YES

Precision: 5

Comments:

Calculated Area

The area of a feature as calculated from a polygon in acres.

Data Type: Double

Domain: None

Allow Nulls: YES

Precision: 38

Scale: 8

Comments: For comparison with Reported Area.

Reported Area

The area of a feature as reported to the Regulatory Authority in acres.

Data Type: Double

Domain: None

Allow Nulls: YES

Precision: 38

Scale: 8

Comments: For comparison with Calculated Area.

Permit Application Date

The date of the original application or an application to revise the permit that brings about a change to the geospatial feature.

Data Type: Date

Domain: None

Allow Nulls: YES

Comments:

Permit Application Approval Date

The date the permit application was approved by the Regulatory Authority that could result in creation or change to a geospatial feature.

Data Type: Date

Domain: None

Allow Nulls: YES

Comments:

State/Tribe Defined Edit Date

The last date the record was updated or changed for a coal mining feature or attribute, or both, as recorded by the Authoritative Data Source.

Data Type: Date

Domain: None

Allow Nulls: YES

Comments:

Comment

Any additional comments as reported by the Regulatory Authority.

Data Type: Text

Domain: None

Allow Nulls: YES

Length: 256

Comments:

Contact

The name of the Regulatory Authority responsible for overseeing the permitted and non-permitted mining operation(s) and for creating or maintaining the Coal Mine Operation geospatial data.

Data Type: Short Integer

Domain: Contact

- 1 Virginia Dept. of Mines, Minerals and Energy; Big Stone Gap, VA; +1.276.523.8193
- 2 West Virginia Department of Environmental Protection, Division of Mining and Reclamation; Charleston, WV; +1.304.926.0490
- 3 Kentucky Energy and Environment Cabinet, Department of Natural Resources, Division of Mine Permits; Frankfort, KY; +1.502.564.6940
- 4 US Office of Surface Mining, Tennessee Field Office; Knoxville, TN; +1.865.545.4103
- 5 US Office of Surface Mining, Western Region Office; Denver, CO; +1.303.236.2937
- 6 Iowa Department of Natural Resources; Des Moines, IA; +1.515.725.8200
- 7 Illinois Department of Natural Resources, Office of Mines and Minerals, LRD; Springfield, IL; +1.217.782.4970
- 8 Alabama Surface Mining Commission; Jasper, AL; +1.205.221.4130
- 9 Mississippi Department of Environmental Quality, Mining and Reclamation Division; Jackson, MS; +1.601.961.5171
- 10 Colorado Department of Natural Resources, Division of Reclamation, Mining, and Safety; Denver, CO; +1.303.866.3567
- 11 Louisiana Department of Natural Resources, Office of Conservation, Injection and Mining Division, Surface Mining Section; Baton Rouge, LA; +1.225.342.5515
- 12 Montana Department of Environmental Quality, Coal Section; Helena, MT; +1.406.444.4970
- 13 New Mexico Energy, Minerals, and Natural Resources Department, Mining and Minerals Division; Santa Fe, NM; +1.505.476.3400
- 14 North Dakota Public Service Commission; Bismarck, ND; +1.701.328.2400
- 15 Utah Department of Natural Resources, Division of Oil, Gas, and Mining; Salt Lake City, UT; +1.801.538.5325
- 16 Wyoming Department of Environmental Quality, Land Quality Division; Cheyenne, WY; +1.307.777.7937
- 17 Alaska Department of Natural Resources, Division of Mining, Land and Water, Coal Regulatory Program; Anchorage, AK; +1.907.269.8650

Allow Nulls: YES

Precision: 5

Comments:

Information Hyperlink

URL to the Regulatory Authority's website.

Data Type: Text

Domain: None

Allow Nulls: YES

Length: 128

Comments:

Environmental Resource Monitoring Locations

Permittee

The entity to whom a permit has been issued by the Regulatory Authority to conduct surface coal mining and reclamation operations.

Data Type: Text

Domain: None

Allow Nulls: YES

Length: 60

Comments:

Company

The name of the coal company that operated the underground mine.

Data Type: Text

Domain: None

Allow Nulls: YES

Length: 60

Comments:

Permit ID

The unique identifier assigned by the Regulatory Authority which issues a coal mining and reclamation permit; the identifier is usually a number or alphanumeric combination.

Data Type: Text

Domain: None

Allow Nulls: YES

Length: 40

Comments:

Monitoring Site ID

A GIS-managed value that uniquely identifies each environmental resource location point.

Data Type: Text

Domain: None

Allow Nulls: YES

Length: 40

Comments:

National ID

A unique identifier created by combining the standard state or tribal abbreviation code and the Permit ID assigned by the Regulatory Authority; this unique identifier helps in organization, retrieval, and analysis of individual state or tribal data combined into the nationwide dataset.

Data Type: Text

Domain: None

Allow Nulls: NO

Length: 40

Comments:

ERML Monitoring Type

The type of monitoring for each specific ERML.

Data Type: Short Integer

Domain: ERMLMonitoringType

1 Groundwater	A collection of groundwater chemistry data used to monitor and evaluate biological, chemical, and environmental factors affecting water quality and quantity for potential impacts that may occur from surface CMOs. Groundwater monitoring and sampling locations may include monitoring wells, residential water wells, piezometers, springs, and seeps.
2 Surface Water	A collection of water chemistry and flow rate data used to monitor and evaluate biological, chemical, and environmental factors affecting water quality and quantity for potential impacts that may occur from surface CMOs. Surface water can include streams, rivers, wetlands, and ponds.
3 Geologic	A collection of information at locations identified in a coal mining permit application from which geologic samples have been collected by the applicant for submission in the application to the RA. The chemistry from these samples can be used by the RA to determine potential environmental impacts that may occur from CMOs. Sampling methods can include the use of drill-hole data, and highwall sampling techniques.
4 Graded Spoil Sampling	A collection of information from identified graded spoils used to determine that the properties are suitable for the placement of topsoil or substitute material.
5 Rain Gauge	A device used to measure precipitation.
6 Trend Station	Any systematic, long-term, established ambient monitoring point used to measure or assess a pollutant level and subsequent changes by measuring the quantity and types of certain pollutants in stream sediments, water column, or in the interstitial water of the hyporheic zone associated with stream, river, or lacustrine deposits. The term may also apply to any long-term biological data which is used to reflect the quality, integrity, or biological support of a system and its habitat.
7 NPDES	National Pollutant Discharge Elimination System (NPDES)—a permit system for regulating point sources of pollution such as those originating from mining. Includes information from in-stream and outfall water discharges associated with mining operations, authorized under Section 402 of the Clean Water Act. The discharges from these points are sampled throughout the lifetime of the mining operation to ensure no environmental impacts are occurring as a result of mining and/or reclamation operations.
8 Subsidence	The movement of the ground as a result of the collapse of underground coal mine workings.
9 Topsoil Samples	A collection of information from all soil horizons used to evaluate the properties of the material for use as a growth medium in reclamation of mining related disturbances.
10 Topsoil Substitute	A collection of information from identified overburden materials used to evaluate the properties of the material for use as a growth medium that is equal to or better than the existing soils for use in reclamation of mining-related disturbances.
11 Mine Discharges	Acid or net alkaline mine drainages.

12 Other

Monitoring or sample locations may include air blasting, dam construction safety, air quality, construction, benthic, threatened and endangered species, and biological assessments.

Allow Nulls: YES

Precision: 5

Comments:

Elevation

The orthometric height above mean sea level of a monitoring location. Elevation will be given in feet.

Data Type: Double

Domain: None

Allow Nulls: YES

Precision: 38

Scale: 8

Comments:

Permit Application Date

The date of the original application or an application to revise the permit that brings about a change to the geospatial feature.

Data Type: Date

Domain: None

Allow Nulls: YES

Comments:

Permit Application Approval Date

The date the permit application was approved by the Regulatory Authority that could result in creation or change to a geospatial feature.

Data Type: Date

Domain: None

Allow Nulls: YES

Comments:

State/Tribe Defined Edit Date

The last date the record was updated or changed for a coal mining feature or attribute, or both, as recorded by the Authoritative Data Source.

Data Type: Date

Domain: None

Allow Nulls: YES

Comments:

Comment

Any additional comments as reported by the Regulatory Authority.

Data Type: Text

Domain: None

Allow Nulls: YES

Length: 256

Comments:

Contact

The name of the Regulatory Authority responsible for overseeing the permitted and non-permitted mining operation(s) and for creating or maintaining the Coal Mine Operation geospatial data.

Data Type: Short Integer

Domain: Contact

- 1 Virginia Dept. of Mines, Minerals and Energy; Big Stone Gap, VA; +1.276.523.8193
- 2 West Virginia Department of Environmental Protection, Division of Mining and Reclamation; Charleston, WV; +1.304.926.0490
- 3 Kentucky Energy and Environment Cabinet, Department of Natural Resources, Division of Mine Permits; Frankfort, KY; +1.502.564.6940
- 4 US Office of Surface Mining, Tennessee Field Office; Knoxville, TN; +1.865.545.4103
- 5 US Office of Surface Mining, Western Region Office; Denver, CO; +1.303.236.2937
- 6 Iowa Department of Natural Resources; Des Moines, IA; +1.515.725.8200
- 7 Illinois Department of Natural Resources, Office of Mines and Minerals, LRD; Springfield, IL; +1.217.782.4970
- 8 Alabama Surface Mining Commission; Jasper, AL; +1.205.221.4130
- 9 Mississippi Department of Environmental Quality, Mining and Reclamation Division; Jackson, MS; +1.601.961.5171
- 10 Colorado Department of Natural Resources, Division of Reclamation, Mining, and Safety; Denver, CO; +1.303.866.3567
- 11 Louisiana Department of Natural Resources, Office of Conservation, Injection and Mining Division, Surface Mining Section; Baton Rouge, LA; +1.225.342.5515
- 12 Montana Department of Environmental Quality, Coal Section; Helena, MT; +1.406.444.4970
- 13 New Mexico Energy, Minerals, and Natural Resources Department, Mining and Minerals Division; Santa Fe, NM; +1.505.476.3400
- 14 North Dakota Public Service Commission; Bismarck, ND; +1.701.328.2400
- 15 Utah Department of Natural Resources, Division of Oil, Gas, and Mining; Salt Lake City, UT; +1.801.538.5325
- 16 Wyoming Department of Environmental Quality, Land Quality Division; Cheyenne, WY; +1.307.777.7937
- 17 Alaska Department of Natural Resources, Division of Mining, Land and Water, Coal Regulatory Program; Anchorage, AK; +1.907.269.8650

Allow Nulls: YES

Precision: 5

Comments:

Information Hyperlink

URL to the Regulatory Authority's website.

Data Type: Text

Domain: None

Allow Nulls: YES

Length: 128

Comments:

National Mine Map Repository

Data definitions for the National Mine Map Repository can be found in the NMMR data dictionary, available here: https://mmr.osmre.gov/NMMR_Data_Dictionary.pdf

For more information about the National Mine Map Repository, visit their website here: <https://mmr.osmre.gov/>

OSMRE Offices

OSM Affiliate

Name of the OSM affiliated office.

Data Type: Text

Domain: None

Allow Nulls: YES

Length: 254

Comments:

Address

Street address of the office.

Data Type: Text

Domain: None

Allow Nulls: YES

Length: 254

Comments:

City

City where the office is located.

Data Type: Text

Domain: None

Allow Nulls: YES

Length: 254

Comments:

State

State where the office is located.

Data Type: Text

Domain: None

Allow Nulls: YES

Length: 254

Comments:

Zip

ZIP code of the office location.

Data Type: Text

Domain: None
Allow Nulls: YES
Length: 254
Comments:

Office Name

Official name of the OSM office.

Data Type: Text
Domain: None
Allow Nulls: YES
Length: 254
Comments:

SMCRA Title

Designation of office type as it relates to SMCRA.

Data Type: Text
Domain: None
Allow Nulls: YES
Length: 254
Comments:

Website

URL to learn more about the specific office. Since the OSMRE website has been redesigned, the URL is identical for all offices, but information about each individual office can be found at the website.

Data Type: Text
Domain: None
Allow Nulls: YES
Length: 254
Comments:

Unified Region

The Department of the Interior region in which the office is located.

Data Type: Text
Domain: None
Allow Nulls: YES
Length: 254
Comments:

Office Name DOI Region

The name of the OSM office as it relates to the broader DOI regions.

Data Type: Text
Domain: None
Allow Nulls: YES
Length: 254
Comments:

Post Mining Land Use

Permittee

The entity to whom a permit has been issued by the Regulatory Authority to conduct surface coal mining and reclamation operations.

Data Type: Text

Domain: None

Allow Nulls: YES

Length: 60

Comments:

Company

The name of the coal company that operated the underground mine.

Data Type: Text

Domain: None

Allow Nulls: YES

Length: 60

Comments:

Permit ID

The unique identifier assigned by the Regulatory Authority which issues a coal mining and reclamation permit; the identifier is usually a number or alphanumeric combination.

Data Type: Text

Domain: None

Allow Nulls: YES

Length: 40

Comments:

National ID

A unique identifier created by combining the standard state or tribal abbreviation code and the Permit ID assigned by the Regulatory Authority; this unique identifier helps in organization, retrieval, and analysis of individual state or tribal data combined into the nationwide dataset.

Data Type: Text

Domain: None

Allow Nulls: NO

Length: 40

Comments:

Land Use Type

Identifies the approved postmining land use type. (*The postmining land use terms defined here are consistent with those defined in 30 CFR Part 701.5, and CFR 816.133/817.133, although not verbatim.*)

Data Type: Short Integer

Domain: LandUseType

1 Pasture/Hayland

Land used primarily for the long-term production of forage plants to be grazed by livestock.

2 Grazing Land	Land used for grasslands and forest lands where the indigenous vegetation is actively managed for grazing, browsing, or occasional hay production.
3 Forestry	Land used or managed for the long-term production of wood, wood fiber, or wood-derived products.
4 Fish and Wildlife Habitat	Land dedicated wholly or partially to the production, protection or management of species of fish or wildlife.
5 Developed Water Resources (Water Impoundments)	Lands used for storing water for beneficial uses such as stock ponds, irrigation, fire protection, flood control, and water supply.
6 Public Utilities/Facilities	Schools, hospitals, churches, libraries, water treatment facilities, or solid waste disposal facilities.
7 Industrial and Commercial Services	Land used for extraction or transformation of materials for fabrication of products, wholesaling of products, or long-term storage of products. This includes all heavy or light manufacturing facilities.
8 Recreation	Land used for public or private leisure-time activities.
9 Undeveloped Land or No Current Use or Land Management	Land that is not developed or if previously developed allowed to return naturally to an undeveloped state or return to forest.
10 Cropland	Land used for the production of adapted crops for harvest.
11 Residential	Single and multi-family housing, mobile home parks, or other residential lodgings.

Allow Nulls: YES

Precision: 5

Comments:

Calculated Area

The area of a feature as calculated from a polygon in acres.

Data Type: Double

Domain: None

Allow Nulls: YES

Precision: 38

Scale: 8

Comments: For comparison with Reported Area.

Reported Area

The area of a feature as reported to the Regulatory Authority in acres.

Data Type: Double

Domain: None

Allow Nulls: YES

Precision: 38

Scale: 8

Comments: For comparison with Calculated Area.

Permit Application Date

The date of the original application or an application to revise the permit that brings about a change to the geospatial feature.

Data Type: Date

Domain: None

Allow Nulls: YES

Comments:

Permit Application Approval Date

The date the permit application was approved by the Regulatory Authority that could result in creation or change to a geospatial feature.

Data Type: Date

Domain: None

Allow Nulls: YES

Comments:

State/Tribe Defined Edit Date

The last date the record was updated or changed for a coal mining feature or attribute, or both, as recorded by the Authoritative Data Source.

Data Type: Date

Domain: None

Allow Nulls: YES

Comments:

Comment

Any additional comments as reported by the Regulatory Authority.

Data Type: Text

Domain: None

Allow Nulls: YES

Length: 256

Comments:

Contact

The name of the Regulatory Authority responsible for overseeing the permitted and non-permitted mining operation(s) and for creating or maintaining the Coal Mine Operation geospatial data.

Data Type: Short Integer

Domain: Contact

- 1 Virginia Dept. of Mines, Minerals and Energy; Big Stone Gap, VA; +1.276.523.8193
- 2 West Virginia Department of Environmental Protection, Division of Mining and Reclamation; Charleston, WV; +1.304.926.0490
- 3 Kentucky Energy and Environment Cabinet, Department of Natural Resources, Division of Mine Permits; Frankfort, KY; +1.502.564.6940

- 4 US Office of Surface Mining, Tennessee Field Office; Knoxville, TN; +1.865.545.4103
- 5 US Office of Surface Mining, Western Region Office; Denver, CO; +1.303.236.2937
- 6 Iowa Department of Natural Resources; Des Moines, IA; +1.515.725.8200
- 7 Illinois Department of Natural Resources, Office of Mines and Minerals, LRD; Springfield, IL; +1.217.782.4970
- 8 Alabama Surface Mining Commission; Jasper, AL; +1.205.221.4130
- 9 Mississippi Department of Environmental Quality, Mining and Reclamation Division; Jackson, MS; +1.601.961.5171
- 10 Colorado Department of Natural Resources, Division of Reclamation, Mining, and Safety; Denver, CO; +1.303.866.3567
- 11 Louisiana Department of Natural Resources, Office of Conservation, Injection and Mining Division, Surface Mining Section; Baton Rouge, LA; +1.225.342.5515
- 12 Montana Department of Environmental Quality, Coal Section; Helena, MT; +1.406.444.4970
- 13 New Mexico Energy, Minerals, and Natural Resources Department, Mining and Minerals Division; Santa Fe, NM; +1.505.476.3400
- 14 North Dakota Public Service Commission; Bismarck, ND; +1.701.328.2400
- 15 Utah Department of Natural Resources, Division of Oil, Gas, and Mining; Salt Lake City, UT; +1.801.538.5325
- 16 Wyoming Department of Environmental Quality, Land Quality Division; Cheyenne, WY; +1.307.777.7937
- 17 Alaska Department of Natural Resources, Division of Mining, Land and Water, Coal Regulatory Program; Anchorage, AK; +1.907.269.8650

Allow Nulls: YES

Precision: 5

Comments:

Information Hyperlink

URL to the Regulatory Authority's website.

Data Type: Text

Domain: None

Allow Nulls: YES

Length: 128

Comments:

Reclamation Bond Status

Permittee

The entity to whom a permit has been issued by the Regulatory Authority to conduct surface coal mining and reclamation operations.

Data Type: Text

Domain: None

Allow Nulls: YES

Length: 60

Comments:

Company

The name of the coal company that operated the underground mine.

Data Type: Text

Domain: None
Allow Nulls: YES
Length: 60
Comments:

Permit ID

The unique identifier assigned by the Regulatory Authority which issues a coal mining and reclamation permit; the identifier is usually a number or alphanumeric combination.

Data Type: Text
Domain: None
Allow Nulls: YES
Length: 40
Comments:

National ID

A unique identifier created by combining the standard state or tribal abbreviation code and the Permit ID assigned by the Regulatory Authority; this unique identifier helps in organization, retrieval, and analysis of individual state or tribal data combined into the nationwide dataset.

Data Type: Text
Domain: None
Allow Nulls: YES
Length: 40
Comments:

Incremental Area ID

An identifier that helps in organization, retrieval, and analysis of individual state or tribal data associated with the area, based on increment identification(s) issued by the RA.

Data Type: Text
Domain: None
Allow Nulls: YES
Length: 40
Comments:

Reclamation Bond Status

Designated by the RA

for individual areas within permitted coal mining and reclamation operations. The bond statuses may be represented by bonded, not bonded, Phase I Release, Phase II Release, or Phase III Release, Forfeited or TOJ.

Data Type: Short Integer

Domain: ReclamationBondStatus

1 Phase I Release

Evaluated and released upon completion of backfill/grading, and drainage control for areas under the performance bond, in accordance with the approved reclamation plan and 30 CFR 800.40 (c)(1).

2 Phase II Release

Evaluated and released upon establishment of vegetation on the graded mined lands for areas under the performance bond, in accordance with the approved reclamation plan and 30 CFR 800.40(c)(2).

3 Phase III Release	Evaluated and released upon completion of all reclamation and hydrologic requirements fully met for areas under the performance bond and 30 CFR 800.40(c)(3).
4 Forfeited	Default of the performance bond resulting in revocation of the permit.
5 Bonded	Fully bonded by the permittee to conduct surface coal mining and reclamation operations within the permit term.
6 Not Bonded	Approved for surface coal mining and reclamation operations. Performance bond not yet submitted.
7 Termination of Jurisdiction	An area subject to the initial and permanent program regulations where the RA has released jurisdiction as defined under 30 CFR 700.11(d)(1)(i and ii).

Allow Nulls: YES

Precision: 5

Comments:

Reclamation Bond Status Date

Date of approval by the Regulatory Authority.

Data Type: Date

Domain: None

Allow Nulls: YES

Comments:

Bond Amount

Amount of posted bond attached to a specific permit or incremental bond area within the permit area.

Data Type: Double

Domain: None

Allow Nulls: YES

Precision: 38

Scale: 8

Calculated Area

The area of a feature as calculated from a polygon in acres.

Data Type: Double

Domain: None

Allow Nulls: YES

Precision: 38

Scale: 8

Comments: For comparison with Reported Area.

Reported Area

The area of a feature as reported to the Regulatory Authority in acres.

Data Type: Double

Domain: None

Allow Nulls: YES

Precision: 38

Scale: 8

Comments: For comparison with Calculated Area.

Permit Application Date

The date of the original application or an application to revise the permit that brings about a change to the geospatial feature.

Data Type: Date

Domain: None

Allow Nulls: YES

Comments:

Permit Application Approval Date

The date the permit application was approved by the Regulatory Authority that could result in creation or change to a geospatial feature.

Data Type: Date

Domain: None

Allow Nulls: YES

Comments:

State/Tribe Defined Edit Date

The last date the record was updated or changed for a coal mining feature or attribute, or both, as recorded by the Authoritative Data Source.

Data Type: Date

Domain: None

Allow Nulls: YES

Comments:

Comment

Any additional comments as reported by the Regulatory Authority.

Data Type: Text

Domain: None

Allow Nulls: YES

Length: 256

Comments:

Contact

The name of the Regulatory Authority responsible for overseeing the permitted and non-permitted mining operation(s) and for creating or maintaining the Coal Mine Operation geospatial data.

Data Type: Short Integer

Domain: Contact

- 1 Virginia Dept. of Mines, Minerals and Energy; Big Stone Gap, VA; +1.276.523.8193
- 2 West Virginia Department of Environmental Protection, Division of Mining and Reclamation; Charleston, WV; +1.304.926.0490
- 3 Kentucky Energy and Environment Cabinet, Department of Natural Resources, Division of Mine Permits; Frankfort, KY; +1.502.564.6940
- 4 US Office of Surface Mining, Tennessee Field Office; Knoxville, TN; +1.865.545.4103
- 5 US Office of Surface Mining, Western Region Office; Denver, CO; +1.303.236.2937
- 6 Iowa Department of Natural Resources; Des Moines, IA; +1.515.725.8200
- 7 Illinois Department of Natural Resources, Office of Mines and Minerals, LRD; Springfield, IL; +1.217.782.4970
- 8 Alabama Surface Mining Commission; Jasper, AL; +1.205.221.4130

- 9 Mississippi Department of Environmental Quality, Mining and Reclamation Division; Jackson, MS; +1.601.961.5171
- 10 Colorado Department of Natural Resources, Division of Reclamation, Mining, and Safety; Denver, CO; +1.303.866.3567
- 11 Louisiana Department of Natural Resources, Office of Conservation, Injection and Mining Division, Surface Mining Section; Baton Rouge, LA; +1.225.342.5515
- 12 Montana Department of Environmental Quality, Coal Section; Helena, MT; +1.406.444.4970
- 13 New Mexico Energy, Minerals, and Natural Resources Department, Mining and Minerals Division; Santa Fe, NM; +1.505.476.3400
- 14 North Dakota Public Service Commission; Bismarck, ND; +1.701.328.2400
- 15 Utah Department of Natural Resources, Division of Oil, Gas, and Mining; Salt Lake City, UT; +1.801.538.5325
- 16 Wyoming Department of Environmental Quality, Land Quality Division; Cheyenne, WY; +1.307.777.7937
- 17 Alaska Department of Natural Resources, Division of Mining, Land and Water, Coal Regulatory Program; Anchorage, AK; +1.907.269.8650

Allow Nulls: YES

Precision: 5

Comments:

Information Hyperlink

URL to the Regulatory Authority's website.

Data Type: Text

Domain: None

Allow Nulls: YES

Length: 128

Comments: