Digitally signed by:
ePermitting
Date: 2026.08.04 15:00:07 -04:00
Reason: Submission Data
Location: Columbia, South Carolina

Mines - Individual Operating Permit New

version 8.0

(Submission #: HQG-1QHG-6E8H7, version 6)

Details

Submission ID HQG-1QHG-6E8H7

Form Input

Form Instructions

The South Carolina Mining Act,&#65533; Sections 48-20-10 through 48-20-310, Code of Laws of South Carolina, 1976, as amended provides in part: &#65533;No operator may engage in mining without having first obtained from the Department an operating permit which covers the affected land and which has not been terminated, been revoked, suspended for the period in question, or otherwise become invalid.&#65533; (Section 48-20-60)

Did you have a pre-application meeting with the Department to discuss the timeline for the permitting process?
Yes

> By selecting Yes above, the applicant is acknowledging that it participated in a pre-application meeting for this project and understands that the permitting process generally takes longer than 90 days.

Applicant Information

How are you applying for this permit?
As a Business Entity

Type of Business Entity
Limited Liability Company (LLC)

Applicant (Business Entity)

Organization Name
Hiers Pine Level, LLC.

Phone Type	Number	Extension
Business	8433793262	

Fax
NONE PROVIDED

Office Address

509 Carteret Street

Beaufort, SC 29902

United States

Additional Contact(s) (1 of 2)

Contact Roles
Mining Contact
Mining Billing

Contact

Prefix
NONE PROVIDED

First Name	Last Name
Jeff	Hiers

Title
President

Organization Name
Hiers Pine Level, LLC.

Phone Type	Number	Extension
Business	8433793262	

Email
jeff@jhhiers.com

Address
509 Carteret Street
Beaufort, SC 29902
United States

Additional Contact(s) (2 of 2)

Contact Roles
Consultant

Contact

Prefix
NONE PROVIDED

First Name	Last Name
Ryan	Lyle

Title
Civil Engineer

Organization Name
Davis and Floyd, Inc.

Phone Type	Number	Extension
Business	8643792222	

Email
rlyle@davisfloyd.com

Address
2712 Bull Street
Ste A
Beaufort, SC 29902
United States

Site Information

Name of Proposed Mine
Heritage Mine

County
Jasper

*Coastal Zone Consistency certification must be issued for operations in Charleston, Beaufort, Berkeley, Colleton, Dorchester, Georgetown, Horry, or Jasper counties.

Proposed Mine Address
Pinelevel Church Road
Grays, SC 29944

Proposed Mine Physical Location
32.694191507742104,-81.05644403389893

Is the land to be mined owned or leased by the mine operator (both can be chosen, if applicable)?
Owned

If land is owned by the applicant/mine operator, input the landowner name exactly as shown on county tax records.
Hiers Pine Level, LLC.

Parcel(s) owned by mine operator:

Tax Map Parcel Number	Landowner name (as shown on county tax records)
052-00-03-012	Hiers Pine Level, LLC.

Will river dredging take place under this permit?
No

MR-400 Application for a Mine Operating Permit

General Characteristics of Mine

Materials to be mined:
Sand/Clay

Provide a detailed description of how the mine will be operated, including a list of equipment to be used.
The ~60ac affected area will be excavated in 3 segments. The first segment will be measure ~24.9ac, not to exceed 25ac. and is anticipated to take 1 year to mine, depending on job demand. The Segment 2 will measure ~24.9ac, not to exceed 25ac. Segment 3 will measure ~21.6 ac.

Best Management Practices for the prevention of erosion and controlling sediment will be installed. This includes the construction of silt fencing on the mine-side of the 50ft wetland buffers, as well as a sediment basin at the Eastern end of the Affected Area. The sediment basin will be designed to meet a minimum 80% trapping efficiency for a 25-year, 24-hour storm event, as required by Jasper County Land Development requirements and the SCDES Stormwater BMP Handbook.

After the Sediment Basin and Silt Fencing is installed, a rim ditch will be constructed along the southern portion of the Affected Area. Stormwater runoff that enters this ditch will be pumped to the sediment basin where it will be treated before being released to the existing downstream receiving water.

A vegetated earthen berm, made from topsoil, will be installed to screen the mine from Heritage and Pinelevel Church Road per Jasper County requirements. Mining will start in Segment 1, which also includes the sediment basin, and will progress sequentially to Segment 3. Two diversion ditches along the Eastern and Western portions of the site will be dug to divert offsite runoff around the Affected Area. Rim ditches within the Mine Affected Area will be dug to facilitate dewatering activities in each segment and trap all stormwater and sediment within the pit area. A trackhoe will be used on site to excavate material and load it onto haul trucks for delivery off site. The pit walls will be mined on a 3H:1V gradient as mining progresses.

Segments 1 - 3 will be timbered before ground clearing is initiated in each segment. Before the start of mining in each segment, topsoil will be cleared by a trackhoe and stockpiled in the earthen berm for reclamation. Excavations will be conducted with a trackhoe and loaded directly on to trucks for transport. No processing plant will be located on-site. Slopes of the excavation will not exceed 3H:1V and will be seeded when feasible for successful germination and growth.

Will there be a process plant located at the mine site within the boundary of the permitted area?
No

Do you anticipate blasting as part of the mining operation?
No

Has the site been mined in the past?
No

What is the expected maximum depth of this mine? Provide any additional information about the final depth of the mine that would be useful to the Department.
30 feet

Determination of Permitted Acreage, Affected Acreage, & Reclamation Bond

Permitted acreage should include the following: 1) acres of land to be affected (excavation, processing plant, stockpiles, etc.); 2) future area(s) to be mined and 3) land to be used for buffer zones around the affected land. The permitted area should be the property described in the LAND ENTRY AGREEMENT(S) (FORMS MR-600 or MR-700).

Total acres for which permit is being requested

Acres owned by the mine operator	Acres leased by the mine operator
86.1	

Total Permitted Acres
86.1

Affected acreage may include: 1. Area used for sediment control ponds, 2. Area used for stockpiles of unprocessed minerals, 3. Area used for spoil (overburden) banks, topsoil and disposal refuse (exclusive of tailings impoundments), 4. Areas used for on-site processing facilities and stockpiles of processed minerals, 5. Areas used for tailings pond (waste material from mineral processing), 6. Area for access or haul roads, 7. Area for excavation during the period of this permit.

Total Affected Acres
60.7

Will mining and reclamation be done in segments?
Yes

Please provide a detailed description of how the mine will be excavated and reclaimed in segments, including the size of the segments, the order in which they will be mined, and how many segments will be active at any one time.
The 60.7 ac affected area will be excavated in 3 segments. The first segment will be measure ~24.9ac, not to exceed 25ac. and is anticipated to take 1 year to mine, depending on job demand. The Segment 2 will measure ~18.1ac, not to exceed 25ac. Segment 3 will measure ~17.7 ac.

Bond Amount (based on total affected acreage above)
See warning below

> Applicant may submit a reclamation cost estimate for mines that will affect greater than 25ac. Estimate should be based upon requirements in Regulation 89-200B. and accurately reflect the costs of an independent, third-party contractor.

Reclamation Cost Estimate

NONE PROVIDED

Comment

William Lockwood (wlockwood@davisfloyd.com) (8/3/2026 10:26 AM)
From prior discussion with Jeremy Eddy, a reclamation bond amount of $5,000 per acre of disturbance was agreed upon. The mine's affected area will be divided into three segments. All segments will be under the 25 acre threshold. A bond amount of $125,000 has been calculated for Segment 1. Once reclamation of Segment 1 is complete, the bond will be applied to Segment 2, and so on for Segment 3 until the completion of the excavation and reclamation of Segment 3.

0.00 - 9.99 acres (bond amount - $10,000)
10.00 -14.99 acres (bond amount - $15,000)
15.00 - 24.99 acres (bond amount - $25,000)
25.00 + acres (bond amount - $25,000 or greater)

Applicant may submit a reclamation cost estimate for mines that will affect greater than 25 acres. Estimate should be based upon requirements in Regulation 89-200 B, and accurately reflect the costs of an independent, third-party contractor.

Future Reserves Acreage
0.0

Buffer Acreage
25.4

Number of years for which this permit is requested:
10

> The requested number of years the permit is requested should coincide with the Schedule of Reclamation as proposed by the applicant in the RECLAMATION PLAN.

Protection of Natural Resources

Which type of permit from the Bureau of Water will/have you applied for?
NPDES General Permit for Discharges Associated with Nonmetal Mineral Mining Facilities (SCG730000)

Provide information as to how stormwater and groundwater will be managed.
All surface waters will be protected by complying with the NPDES permit requirements. Stormwater will be managed along with groundwater, in compliance with the NPDES permit. Proper grading and soil preparation until vegetation is planted and established will be the primary method.

Stormwater will be channeled into the open pit and managed alongside groundwater. A sump will be constructed in Phase 1 to collect water and pump it to the sediment basin. The sediment basin will retain any sediment laden runoff or groundwater. After settling, water will be discharged to the existing wetland, where it will leave the site to the South.

Please provide any sediment & erosion control designs in support of your application.

Heritage Mine SedCAD Report.pdf - 05/27/2026 03:01 PM

Comment

NONE PROVIDED

Will there be air contaminant emissions from your plant or mine requiring an Air Quality Permit?

No

Do you anticipate pumping of groundwater?

Yes

Describe pumping of groundwater.

As stated above, stormwater will be managed along with groundwater, in compliance with the NPDES permit. Stormwater and groundwater will be channeled to a sump where it will be pumped to the sediment basin.

Please provide any groundwater modeling reports, groundwater monitoring plans, or groundwater contingency plans in support of your application.

NONE PROVIDED

Comment

NONE PROVIDED

Will jurisdictional wetlands be affected, filled or altered in any fashion that will require a Section 404 Dredge and Fill Permit?

No

Please provide any wetland delineation and/or USACE jurisdictional determinations or other permits in support of your application.

B01 - USACE Wetland DC Ltr.SAC-2024-01011.pdf - 02/17/2026 01:51 PM

A01 - WETLAND MAP.pdf - 03/31/2026 08:40 AM

Comment

Wetlands have been delineated in the vicinity of the proposed permitted area by a third-party wetland consultant. This delineation has been confirmed by the US Army Corps of Engineers. We are proposing a minimum 50ft undisturbed buffer from all nearby wetlands. This buffer will remain undisturbed by mining-related activities. This buffer will be marked prior to the initiation of mining activities with a single strand of silt fencing and maintained for the life of mine. Additionally, a maintenance road will separate wetlands from the mining-related activity and will be sloped so that stormwater will runoff in the direction of the pit. Finally, the rim ditch around the pit will prevent and groundwater or stormwater from exiting the pit.

Are there any known cultural or historic sites located within the proposed area to be permitted?

No

Please provide any cultural or historic reports in support of your application.

B02 - Cultural Resource Survey - Brockington.Final.pdf - 02/17/2026 12:14 PM

Comment

A Cultural Resources survey was conducted by Brockington and Associates. No cultural resources were found within the proposed Permitted Area, however, the Phillipsville Cemetery was noted in the vicinity of the proposed site. A minimum 800ft setback between the cemetery and any mining-related activities will be maintained for the life of mine.

Will any part of the permitted area be used as a laydown yard to temporarily store equipment, such as spare parts, scrap metal, or other waste?

No

Describe the wildlife or freshwater, estuarine or marine fisheries in the area of the mining operation. Also provide information about any ponds and/or streams that may be located in the proposed permitted area.

Typical indigenous wildlife species habitat within the areas surrounding the mining operation, e.g. deer, turkey, fox, squirrel, etc.. No protected species have been identified within the boundaries of the proposed mine area. No streams are located within the proposed permitted area.

The Tri-Color Bat was observed during the acoustic survey. While this species is not on the T&E list, it is being considered for inclusion. Therefore, the mine operator proposes to ad hear to a tree clearing moratorium between the dates of Dec. 15 - Feb. 15 and May 1 - Jul. 15, the Tri-Color Bat's Hibernation and Pupping Season respectively.

After further coordination with the environmental consultant, the site, which is a fire maintained open pine forest, does not present suitable habitat for American Chaffseed, therefore further review during the blooming season would not be warranted.

Additionally, a review of SCDNR heritage trust database was conducted. No State Threatened and Endangered species were listed as potential occurring on site. One State Endangered species, Gopher Tortoise, was noted as potentially occurring within 2 miles of the site. This species was reviewed for potential presence during our initial habitat assessment. As noted in the habitat assessment, ﷺBecause of historic property use of silviculture along with a high density of planted pine creating dense shade with little herbaceous ground cover, the upland habitat on site does not provide preferred habitat for the gopher tortoise. Areas that were open, such as food plots and trails were traversed, no burrows were detected, and no gopher tortoises were observed on the subject property.ﷺ Upon review by SCDNR if further investigation of other state species that are not listed as potential occurring within the site or within 2 miles of the site is necessary, we can provide and updated habitat assessment for those specific species.

Please provide any threatened or endangered species reports in support of your application.

B04 - Fed T&E Species Rprt - Newkirk.Final.pdf - 02/17/2026 12:15 PM
B05 - NLE Bat Survey Rprt - Newkirk.Final.pdf - 02/17/2026 12:15 PM
B05.1 - US Fish and Wildlife - Approval of NLE Bat Survey Rprt.pdf - 03/26/2026 01:55 PM

Comment

NONE PROVIDED

State the land cover and land uses on the permitted land area and contiguous tracts of land to the permitted land area.

Historically the parcel as been in silviculture practice, currently the site area has been cut is primarily open with existing underbrush vegetation. Forested properties border the tract on the east and south. The site is bordered by Pinelevel Church Road to the North and Heritage Road to the West.

Describe measures to be taken to insure against (1) substantial deposits of sediment in neighboring streams, rivers lakes or ponds; (2) landslides; (3) acid water formation and discharge.

1) Sediment and erosion control measures (e.g. silt fence, sediment basin, rock check dams) will be installed and maintained throughout the life of the mining operation.
2) Reclamation of the mine slopes will begin as soon as possible to reduce the potential for sloughing. Excavations will be conducted on a 3:1 slope and will be seeded when feasible for successful germination and growth.
3) Acid water formation is typically not a problem in open mine pits of this type.

Safety

Describe methods to be used during the time the mine operating permit is active to prevent physical hazards to persons and to any neighboring dwelling, house, school, church, hospital, commercial or industrial building or public road. If applicable, provide the zoning designation for the property to permitted.

The site is located in a remote area of Jasper County that is relatively undeveloped. The tract which the site is located on is approximately 265 acres, with the affected area being only a portion of that greater area. The proposed mining activities will be setback a minimum of 250' from the Right-of-Way and behind 8' tall earthen berms. A locked gated access with "No Trespassing" signs will be utilized at the access point of the site. Additionally, the site has been rezoned to resource extraction.

Are there any publicly-owned parks, publicly-owned forests, or publicly-owned recreation areas within one (1) mile of the proposed affected area?

No

Describe measures to be taken for screening the operation from view from public highways, public parks or residential areas.

The proposed mine is located in a large tract of land surrounded by forested parcels. The mine will be located approximately 250' from Pinelevel Church Road and Heritage Road; existing vegetation along the road provides adequate screening. A berm will be installed to provide additional screening.

Mine Map

Attach a copy of a map of the site (referred to as the MINE MAP) that shows A through P, if applicable (see below):

HeritageMine.A02 - MINE MAP.pdf - 08/03/2026 10:28 AM

Comment

NONE PROVIDED

A. Outline of the area to be affected by mining during the number of years for which the permit is requested. See Section III, Question 1 on page 3 of this application form.

B. Outline of the permitted area that shows the buffers zones, future mine areas and areas to be affected by mining.

C. Outline of the planned pits or excavations for which your company has detailed plans. If your company has reason to believe that additional land may be mined in the future within the permitted area but is not feasible to show as planned excavations; indicate these areas as FUTURE RESERVES on this site map.

D. Outline of areas for the storage of naturally occurring soil that will be suitable for the establishment of vegetation in final reclamation.

E. Outline of planned areas for disposal of refuse, exclusive of tailings ponds.

F. Outline of planned spoil, overburden or other similar waste material disposal areas.

G. Locations of planned access and haul roads on the area to be affected.

H. Outline of planned tailings ponds.

I. Locations of sediment control pond(s) and other sediment control structures within the affected area. Outline of areas on which temporary or permanent vegetation will be established to control erosion during the mine operation.

J. Location and name (if appropriate) of streams, lakes, wetlands and existing drainage ditches within the area to be permitted. Use arrows to indicate direction of water flow in such streams and drainage ditches.

K. Boundary for the 100 year floodplain, where appropriate.

L. Outline of areas for stockpiles of unprocessed minerals.

M. Outline of area of previously mined land that will not be affected.

N. Outline of the area to be occupied by processing facilities including stockpiles of processed minerals if such facilities are to be an integral on-site part of the mining operation.

0. Show location of the two permanent survey control points.

P. A legend showing the name of applicant, name of the proposed mine, north arrow, county, scale, date of preparation and name and title of person who prepared the site map. THE REQUIRED SITE MAP SHALL HAVE A NEAT, LEGIBLE APPEARANCE AND BE OF SUFFICIENT SCALE TO CLEARLY SHOW THE REQUIRED INFORMATION LISTED ABOVE. THE BASE FOR THE MAP SHALL BE EITHER A SPECIALLY PREPARED LINE DRAWING, AERIAL PHOTOGRAPH, ENLARGED USGS TOPOGRAPHIC MAP OR A RECENTLY PREPARED PLAT.

Adjacent Land Owner List Template

Please download the excel spreadsheet, fill out and resubmit on the attachment below.
Adjacent Land Owner List Template

Attach the most recent county tax map that shows all adjacent land owners of the permitted mine site. Provide name and addresses of all land owners contiguous to the proposed permitted mine site.

C01 - Heritage Mine - Contiguous Property Owners.pdf - 02/17/2026 02:01 PM
C02 - Heritage Mine Plat. PB 38 PG 796.Hiers Pinelevel.2024-04-05.pdf - 02/17/2026 02:01 PM

Comment

NONE PROVIDED

Attach letter from an attorney attesting to (1) the ownership of the property, (2) ownership of the mineral rights and (3) that the operator has acquired the right to mine the property as described in this application.

C04 - Attorney Mineral Rights Letter 05-05-2026.signed.pdf - 05/06/2026 12:34 PM

Comment

NONE PROVIDED

Additional Information for consideration

B06 - SCDOT Encroachment - Preliminary Approval.pdf - 02/17/2026 01:48 PM
C03 - Heritage Mine - DB 1147 PG 616. Hiers Pine Level Deed from Weyerhaeuser.2024-04-05.pdf - 02/17/2026 02:01 PM
HeritageMine.SCDES Mines Project Timeline Agreement.pdf - 05/06/2026 12:36 PM
C08 - JC DevAgrmnt Ordinance.2026-03-18.pdf - 06/08/2026 04:16 PM
Heritage Mine.Development Agreement Exhibits.Clean.pdf - 06/08/2026 04:44 PM

Comment

NONE PROVIDED

MR-500 Reclamation Plan for an Individual Mine Operating Permit

Environmental Protection

Describe practices to protect adjacent resources such as roads, wildlife areas, woodland, cropland and others during mining and reclamation.

There are no actively used croplands on or adjacent to the site. Any potential cropland or woodland areas not owned by the applicant and nearby public roads will be protected from mining-related activities by a minimum 250ft buffer area and 8ft tall berms. A single proposed gravel/dirt road will be used to access the proposed mine from Pinelevel Church Road. The haul road will be paved a minimum of 100ft from the edge of Pinelevel Church Road, and a crushed stone "mud" mat will be constructed an additional 100ft past the paved entrance in order to prevent trackout. Areas beyond the mine site are forested and will not be disturbed and will remain in their natural state. Wildlife will be temporarily displaced to surrounding areas. The mine site will include minimum 50ft buffers from mining activities and sensitive wildlife areas (i.e., wetlands). These buffers and wetland areas will remain undisturbed by mining-related activities. Additionally, the site will be contoured so that stormwater will be directed into the pit and discharged through a NPDES regulated outfall, where it will meet minimum water standards. All water discharges will be through a NPDES regulated outfall.

Describe proposed methods to limit significant adverse effects on adjacent surface water and groundwater resources.

There are no surface waters located within the project site area. The closest surface water body not owned by the applicant is located approximately 900ft to the South and away from any proposed dewatering activities. Given this distance and that the depth of the pit will be limited to 30ft below ground surface, it is not anticipated that the dewatering activities will have any effect on any surface water bodies. LiDAR elevation data show that the proposed bottom of mine excavation (~55') is roughly at the same elevation as the the existing pond water elevation (~ 53').

Describe method to prevent or eliminate conditions that could be hazardous to animal or fish life in or adjacent to the permitted area.

No conditions hazardous to animals or fish in or adjacent to the permitted area are anticipated. The pond to be constructed during the reclamation phase of the project will provide a habitat for fish and animal life. The future pond will be sloped 3H:1V and vegetated to create pond banks that will allow safe ingress/egress of common wildlife typical to the area. Any water discharged from the site will meet minimum water quality standards, which will be protective of any aquatic resources. A minimum 50ft vegetated buffer will protect nearby sensitive areas (i.e., wetlands).

Multiple threatened/endangered (T&E) species surveys were conducted on this site. Based on those surveys, there are no federally recognized T&E species believed to inhabit this site. The Tri-Color Bat, which is not a T&E species, but has been proposed for inclusion on the list, has been heard during an acoustical survey of this property. The applicant is willing to ad hear to a tree-clearing moratorium from Dec 15 - Feb 15 and May 1 - July 15 in order to protect this at-risk species.

Describe how applicant will comply with State air quality and water quality standards as established by the South Carolina Department of Environmental Services.

A water truck will be used to control fugitive dust; discharge water will meet requirements of the NPDES discharge permit.

Reclamation of Affected Area

State useful purpose(s) the affected land is being proposed for reclamation.

Lake or Pond

Feasibility Documentation Attachment

NONE PROVIDED

Comment

NONE PROVIDED

Will the final maximum surface gradient (slope) in soil, sand, or other unconsolidated materials be steeper than 3 Horizontal : 1 Vertical (18 degrees or 33 percent)?

No

How will the final slopes in unconsolidated material be accomplished?

Final grading will be accomplished mining on a 3H:1V slope so that no backfilling will be necessary.

If the slope will be by backfilling, demonstrate that there is adequate material to accomplish the stated final gradient. If gradient is to be achieved by bringing in material from outside the permitted area, state the nature of the material and approximate quantities. If the gradient is to be achieved by grading, show that there is adequate area for grading to achieve gradient (i.e., adequate distance between the property line and edge of highwall).

Final slopes calculations or other supporting information attachment(s)

NONE PROVIDED

Comment

N/A

Describe the plan for revegetation or other surface treatment of affected area(s). The revegetation plan shall include but not be limited to the following: (a) planned soil test; (b) site preparation and fertilization; (c) seed or plant selection; (d) rate of seeding or amount of planting per acre; (e) maintenance.

The soils in areas requiring revegetation will be tested. Fertilizers and lime will be applied at rates determined by the results of the soils tests. The seed will either be broadcast or hydroseeded with a mixture of rye grass and/or brown top millet. Rye seed will be applied at 1.1 lbs./100 sq.ft., brown top millet will be applied at 10 lbs./acre. The site will be inspected regularly for significant erosion, seed germination failure, or dead plant life. The owner or representative will conduct these inspections every calendar week during active mining operations, not to exceed 9 days between inspections. The owner or representative will perform an inspection within 48 hours of a major storm event. Damaged areas will be repaired by fixing erosion and re-seeding where and when necessary. Temporary or permanently stabilized areas (ie, vegetated areas) will be inspected monthly during final reclamation.

Does the possibility exist for (a) acid rock drainage; (b) where the National Pollutant Discharge Elimination Systems (NPDES) Permit has discharge limitation parameters other than pH and Total Suspended Solids (TSS); (c) chemically treated tailings or stockpiles (excludes fertilizer or lime for revegetation purposes)?

No

Describe the methods to control contaminants and permanently dispose any mine waste. This includes any soil, rock (overburden), mineral, scrap, tailings, fines, slimes, or other material directly connected with the mining, cleaning, and preparation of mineral substances mined. It also includes all waste material deposited on or in the permit area from any source.

The only equipment permanently stationed on this site will be a track hoe. A fueling truck will be brought on-site as needed to refill the track hoe. Care will be taken to prevent the spillage of fuel during re-fueling. Any incidental spills of diesel will be immediately cleaned per the Stormwater Pollution Prevention Plan and any soils will be removed and properly disposed of at a licensed facility. The track hoe will be regularly inspected and maintained to avoid any fuel, oil, or grease leaks. No other potential contaminants will be stored on site.

The applicant may import topsoil and other natural backfill material for final reclamation, if needed. A log of imported material will be kept, including the source of the material, the final placement of the material, and any testing performed on the material.

There will be no other sources of potential contamination for this site.

Describe the method of reclaiming settling and/or sediment ponds.

All settling and sediment ponds will be graded into the final reclaimed pond design. The entire area will then be stabilized with vegetation as described above.

Describe the method of restoring or establishing stream channels, stream banks, and site drainage to a condition to minimize erosion, siltation, and other pollution.
There are no existing stream channels or banks. All site drainage will be routed through the sedimentation pond and its proposed outlet control structure to minimize erosion, siltation, and other pollution. Mine excavation will be sloped at 3H:1V and vegetated to control erosion and sediment.

What are the maintenance plans to insure that the reclamation practices established on the affected land will not deteriorate before released by the Department?
The reclaimed site will be stabilized with rapidly growing, hardy vegetation. This will give way to a native landscape over time. The site will be inspected regularly for significant erosion, seed germination failure, or dead plant life. The owner or representative will conduct these inspections every calendar week during active mining operations, not to exceed 9 days between inspections. The owner or representative will perform an inspection within 48 hours of a major storm event. Damaged areas will be repaired by fixing erosion and re-seeding where and when necessary. Temporary or permanently stabilized areas (ie, vegetated areas) will be inspected monthly during final reclamation.

For final reclamation, submit information about practices to provide for safety to persons and to adjoining property in all excavations. Identify areas of potential danger (vertical walls, unstable slopes, unstable surface on clay slimes, etc.) and provide appropriate safety provisions.
A locked gate will be in place at the entrance into the site. The banks of the pond will be sloped to a maximum 3H:1V grade and vegetated.

What provisions will be taken to prevent noxious, odious, or foul pools of water from collecting and remaining on the mined area? For mines to be reclaimed as lakes or ponds, provide supporting information that a minimum water depth of four (4) feet on at least fifty percent (50%) of the pond surface area can be maintained.
The reclamation pool will have a minimum depth that is greater than the required 4 feet on at least 50% of the pond surface.

Identify any structures (e.g. buildings, roads) that are proposed to remain as part of final reclamation. Provide justification for leaving any structures.
After final reclamation, the access road will remain to provide access for the pond.

Attach a copy of a map of the area (referred to as the RECLAMATION MAP) that shows the reclamation practices and conservation practices to be implemented. The following should be shown (A through P - see below):

HeritageMine.A03 RECLAMATION MAP.pdf - 08/03/2026 10:31 AM

Comment

NONE PROVIDED

A. The outline of the proposed final limits of the excavation during the number of years for which the permit is requested.

B. The approximate final surface gradient(s) and contour(s) of the area to be reclaimed. This would include the sides and bottoms of mines reclaimed ponds and lakes.

C. The outline of the tailings disposal area.

D. The outline of disposal areas for spoil and refuse (exclusive of tailings ponds).

E. The approximate location of the mean shore line of any impoundment or water body and inlet and/or outlet structures which will remain upon final reclamation.

F. The approximate locations of access roads, haul roads, ramps or buildings which will remain upon final reclamation.

G. The approximate locations of various vegetative treatments.

H. The proposed locations of re-established streams, ditches or drainage channels to provide for site drainage.

I. The proposed locations of diversions, terraces, silt fences, brush barriers or other Best Management Practices to be used for preventing or controlling erosion and off-site siltation.

J. Proposed locations of the measures to provide safety to persons and adjoining property.

K. Segments of the mine that can be mined and reclaimed as an ongoing basis.

L. The boundaries of the permitted area.

M. The boundaries of the affected area for the anticipated life of the mine.

N. The boundaries of the 100-year floodplain, where appropriate.

O. Identify sections of mine where the final surface gradient will be achieved by grading and/or backfilling.

P. A legend showing the name of the applicant, the name of the proposed mine, the north arrow, the county, the scale, the date of preparation and the name and title of the person who prepared the map.

THE REQUIRED RECLAMATION MAP SHALL HAVE A NEAT, LEGIBLE APPEARANCE AND BE OF SUFFICIENT SCALE TO CLEARLY SHOW THE REQUIRED INFORMATION LISTED ABOVE. THE BASE FOR THE MAP SHALL BE EITHER A SPECIALLY PREPARED LINE DRAWING, AERIAL PHOTOGRAPH, ENLARGED USGS TOPOGRAPHIC MAP OR A RECENTLY PREPARED PLAT. RECLAMATION MAP SHOULD BE THE SAME SCALE USED FOR THE SITE MAP.

Schedule for Implementation of Conservation and Reclamation Practices

As stated in Section 48-20-90 of the S.C. Mining Act, reclamation activities, to the extent feasible, must be conducted simultaneously with mining operations. Identify which areas or segments of the mine are not feasible to reclaim simultaneously with mining. Provide reasons why reclamation can not proceed simultaneously with mining in these areas.

Mining activities and reclamation will take place simultaneously. There are no areas where this will cause an issue.

Schedule for Implementing Conservation and Reclamation Practices

Conservation & Reclamation Practices	Segment # or Area	Planned Amount	Planned Year	*Applied Amount	*Applied Year	Notes
Install Gate	1	1	Pre-Mining			Maintain for the life of the mine. Keep locked when not in use.
Install/locate survey control points	1	2	Pre-Mining			Two permanent survey markers within the permitted area shall be located at least 100 feet apart as required in R.89-130. Maintain for the life of the mine.
Mark pit area	Total Area	60.7 ac.	Pre-Mining			Stakeout limits of pit. Permanently flag buffers associated with wetlands. Maintain for the life of the mine.
Mark buffers	Total Area	86 ac.	Pre-Mining			Maintain for the life of the mine. GPS to be used to stakeout limits of buffer.
Post warning signage	Access Point	2	Pre-Mining			Maintain for the life of the mine.
Prep segment 1	Segment 1	24.9 ac.	Year 1			Install silt fence and other erosion and sediment control BMPs. Clear Vegetation and topsoil. Construct berms and haul road. Construct sediment basin and excavate rim ditch. BMPS shall be installed and maintained to ensure stormwater is retained on site. Basin shall be cleaned of sediment as necessary to ensure basin is functioning properly.
Excavate	Segment 1	15.2 ac.	Year 1			Slopes shall be graded at 3H:1V slope as excavations progresses.
Begin Reclamation	Segment 1	24.9 ac.	Year 1 - 4			Establish 3H:1V slopes as excavation progresses. Reclamation of mined out areas should be initiated within 180 days of termination of mining in those areas or earlier if seeding is feasible. Spread topsoil from other areas of excavations. Maintain vegetation for life of mine.

Schedule for Implementing Conservation and Reclamation Practices

Conservation & Reclamation Practices	Segment # or Area	Planned Amount	Planned Year	*Applied Amount	*Applied Year	Notes
Prep segment 2	Segment 2	18.1 ac.	Year 5 - 7			Install silt fence and other erosion and sediment control BMPs. Clear Vegetation and topsoil. Excavate rim ditch. BMPS shall be installed and maintained to ensure stormwater is retained on site. Basin shall be cleaned of sediment as necessary to ensure basin is functioning properly.
Excavate	Segment 2	18.1 ac.	Year 5 - 7			Slopes shall be graded at 3H:1V slope as excavations progresses.
Begin Reclamation	Segment 2	18.1 ac.	Year 5 - 7			Establish 3H:1V slopes as excavation progresses. Reclamation of mined out areas should be initiated within 180 days of termination of mining in those areas or earlier if seeding is feasible. Spread topsoil from other areas of excavations. Maintain vegetation for life of mine.
Prep segment 3	Segment 3	17.7 ac.	Year 8 - 10			Install silt fence and other erosion and sediment control BMPs. Clear Vegetation and topsoil. Excavate rim ditch. BMPS shall be installed and maintained to ensure stormwater is retained on site. Basin shall be cleaned of sediment as necessary to ensure basin is functioning properly.
Excavate	Segment 3	17.7 ac.	Year 8 - 10			Slopes shall be graded at 3H:1V slope as excavations progresses.
Begin reclamation	Segment 3	17.7 ac.	Year 8 - 10			Establish 3H:1V slopes as excavation progresses. Reclamation of mined out areas should be initiated within 180 days of termination of mining in those areas or earlier if seeding is feasible. Spread topsoil from other areas of excavations. Maintain vegetation for life of mine.
Inspect, repair, maintain	Total Area	1	Year 1 - 10			Reclamation / vegetation shall be inspected regularly and corrective measures taken to prevent erosion of final slopes until the area is released by the Department of as meeting reclamation standards.
Maintain haul roads and gate	Total Area	1	Year 1 - 10			Maintain for the life of the mine.
Terminate Mining operations.	Total Area	60.7 ac.	Year 10			Submit correspondence to SCDES. Conduct any remaining reclamation or maintenance.
Vegetation	Total Area	60.7 ac.	Year 10			Maintain vegetation until termination of permit.

*Applied fields to be completed by department

MR-600 Land Entry Agreement for Land Owned by Mine Operator

MR-600 Document Link

MR-600 Signature Attachments

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Comment

NONE PROVIDED

Revisions

Revision	Revision Date	Revision By
Revision 1	10/2/2025 10:02 AM	William Lockwood
Revision 2	4/3/2026 11:54 AM	William Lockwood
Revision 3	4/27/2026 1:51 PM	William Lockwood
Revision 4	6/1/2026 3:19 PM	Ryan Lyle
Revision 5	6/8/2026 4:15 PM	William Lockwood
Revision 6	7/20/2026 12:55 PM	William Lockwood