

# Mines - Individual Operating Permit New

version 2.0

Digitally signed by:  
ePermitting  
Date: 2023.11.30 11:58:01 -05:00  
Reason: Submission Data  
Location: Columbia, South Carolina

(Submission #: HPY-Z2V6-6JW01, version 3)

## Details

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Submission ID HPY-Z2V6-6JW01

## Form Input

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### Form Instructions

The South Carolina Mining Act, Sections 48-20-10 through 48-20-310, Code of Laws of South Carolina, 1976, as amended provides in part: 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obtained from the Department an operating permit which covers the affected land and which has not been terminated, been revoked, suspended for the period in question, or otherwise become invalid. (Section 48-20-60)

### Applicant Information

#### How are you applying for this permit?

As a Business Entity

#### Type of Business Entity

Limited Liability Company (LLC)

#### **CORRECTION REQUEST (APPROVED)**

##### **Change selection**

The name of the business is "Moss Park Partners II, LLC", which seems to indicate that this is a Limited Liability Company, not a sole proprietorship.

irs.gov: "A sole proprietor is someone who owns an unincorporated business by himself or herself. However, if you are the sole member of a domestic limited liability company (LLC), you are not a sole proprietor if you elect to treat the LLC as a corporation."

Recommend changing this to Limited Liability Company or justify why it is a sole proprietorship.

Created on 11/13/2023 3:00 PM by **Jeremy E. P.G.**

#### **1 COMMENT**

**Trudy Smith (tasmith@earthworksgroup.com) (11/20/2023 12:31 PM)**

updated

**Applicant (Business Entity)**

**Organization Name**

*Moss Park Partners II, LLC*

|                   |               |                  |
|-------------------|---------------|------------------|
| <b>Phone Type</b> | <b>Number</b> | <b>Extension</b> |
|-------------------|---------------|------------------|

|        |              |  |
|--------|--------------|--|
| Mobile | 843-450-5254 |  |
|--------|--------------|--|

**Fax**

NONE PROVIDED

**Office Address**

1905 Main Street  
Conway, SC 29526  
United States

**Additional Contact(s) (1 of 3)**

**Contact Roles**

Consultant  
Mining Billing

**Contact**

**Prefix**

*NONE PROVIDED*

|                   |                  |
|-------------------|------------------|
| <b>First Name</b> | <b>Last Name</b> |
|-------------------|------------------|

|              |              |
|--------------|--------------|
| <i>Trudy</i> | <i>Smith</i> |
|--------------|--------------|

**Title**

*Permit Manager*

**Organization Name**

*The EARTHWORKS Group*

|                   |               |                  |
|-------------------|---------------|------------------|
| <b>Phone Type</b> | <b>Number</b> | <b>Extension</b> |
|-------------------|---------------|------------------|

|          |            |     |
|----------|------------|-----|
| Business | 8436517900 | 228 |
|----------|------------|-----|

**Email**

tasmith@earthworksgroup.com

**Address**

PO BOX 201  
MURRELLS INLT, SC 29576  
United States

**Additional Contact(s) (2 of 3)**

**Contact Roles**

Mining Contact  
Additional Contact

## Contact

**Prefix**

NONE PROVIDED

**First Name      Last Name**

Tripp              Nealy

**Title**

NONE PROVIDED

**Organization Name**

Moss Park Partners II, LLC

**Phone Type    Number            Extension**

Mobile            8434505254

**Email**

trippnealy@gmail.com

**Address**

1905 Main Street  
Conway, SC 29526  
United States

## Additional Contact(s) (3 of 3)

### Contact Roles

Mining Contact

## Contact

**Prefix**

NONE PROVIDED

**First Name      Last Name**

Reed              Nealy

**Title**

NONE PROVIDED

**Organization Name**

NONE PROVIDED

**Phone Type    Number            Extension**

Mobile            8434505254

**Email**

trippnealy@gmail.com

**Address**

1905 MAIN ST  
CONWAY, SC 29526  
United States


## Site Information

**Name of Proposed Mine**

West Cox Ferry Road Sand Mine

**County**

Horry

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

**Proposed Mine Address**

West Cox Ferry Road  
Conway, SC 29526

**Proposed Mine Physical Location**

33.79333300000000,-79.04166700000000

West Cox Ferry Road, Conway, SC

**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.**

Moss Park Partners II, LLC

**Parcel(s) owned by mine operator:**

| Tax Map Parcel Number | Landowner name (as shown on county tax records) |
|-----------------------|---|
| 38200000005           | Moss Park Partners II, 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.**

Bulldozer, trackhoe, off road truck, and water pump.

A rim ditch will be dug on the east side of the property along outside perimeter of pond. The dirt will be dry stacked and loaded in trucks to export. Water in main pond will be pumped down to the secondary pond before it leaves the property. Project will comply with all DHEC guidelines to insure water quality is maintained

**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.**

20 Feet

**Determination of Permitted Acreage, Affected Acreage, & Reclamation Bond**

**i** 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 |
|----------------------------------|-----------------------------------|
| 4.9                              |                                   |

**Total Permitted Acres**

4.9

**i** 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**

4.9

**Will mining and reclamation be done in segments?**

No

**Bond Amount (based on total affected acreage above)**

\$10,000

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**

0.0

**Number of years for which this permit is requested:**

5

**i** 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**

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**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.**

Stormwater and Groundwater will be managed in the sediment basin

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

[211204.2023.1107.CIV.DHEC.PLANS WITH BMP.pdf - 11/07/2023 11:45 AM](#)

**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

**CORRECTION REQUEST (APPROVED)**

**Change Answer**

Given the relative shallowness of the water table in Horry, it seems like the groundwater will need to be lowered by pump in order to access the material at a depth of 20ft. I believe the answer to this questions is "yes". Please change or explain how groundwater will not be lowered.

Created on 11/13/2023 3:24 PM by **Jeremy E. P.G.**

**1 COMMENT**

**Trudy Smith (tasmith@earthworksgroup.com) (11/16/2023 12:34 PM)**

updated

**Describe pumping of groundwater.**

Ground water will be pumped into the sediment basin to be treated before discharge out of the mine area. Based on the location of the mine adjacent to the river swamp the groundwater will not be affected by the mine dewatering process and will be conducted only when pumping is needed and not continuously

**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.**

[211204.2023.1107.CIV.DHEC.SAC-2021-01025\\_DC\\_Pkg.pdf - 11/07/2023 11:45 AM](#)

**Comment**

NONE PROVIDED

**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.**

NONE PROVIDED

**Comment**

N/A

**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.**

None in the permitted area

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

[211204.2023.1107.CIV.DHEC.HABITAT SURVEY REPORT.pdf - 11/07/2023 11:46 AM](#)

**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.**

Forested

**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.**

Sediment Basin and BMP's

**Safety**

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**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.**

Posted no trespassing signs and open pit signs

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

Yes

**Describe methods to be used to prevent an adverse effect on these areas.**

Undisturbed forested buffers

**Please locate on a map any of these facilities that are within one (1) mile of the proposed affected property, if applicable.**

[211204.2023.1109.CIV.DHEC.PUBLIC LANDS.pdf - 11/10/2023 12:34 PM](#)

**Comment**

NONE PROVIDED

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

Forested Buffers

**Mine Map**

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

[211204.2023.1107.CIV.DHEC.MINE PLAN.pdf - 11/07/2023 02:33 PM](#)

**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.

O. 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.**

[211204.2023.1115.CIV.DHEC.LIST OF CONTIGUOUS PROPERTY OWNERS WITH MAP.pdf - 11/15/2023 12:39 PM](#)  
[CONTIGUOUS PROPERTY OWNERS.xlsx - 11/16/2023 12:43 PM](#)

**Comment**

NONE PROVIDED

**CORRECTION REQUEST (APPROVED)**

**Add Adjacent Landowners**

Parcels directly across a road are also considered adjacent to the parcel(s) in question. Based on Horry Co's GIS records, the following landowners should be included on this list: TMS# 1500002141, 1500002060, 1500002128, and 1500002050.

Please submit as an excel spreadsheet for easier processing.

Created on 11/13/2023 3:42 PM by **Jeremy E. P.G.**

**2 COMMENTS**

**Jeremy E. Eddy, P.G. (eddyje@dhec.sc.gov) (11/29/2023 10:27 AM)**

As stated, parcels directly across a road are also considered adjacent to the parcel(s) in question. The program will add these landowners to the mailing list.

**Trudy Smith (tasmith@earthworksgroup.com) (11/16/2023 12:41 PM)**

These TMS#s are not contiguous to this property. There is a highway separating them.

**Attach letter from an attorney attesting to (1) the ownership of the property, (2) ownership of the mineral rights and (3) that the applicant has the legal right to mine the proposed mineral resource on the property as described in this application.**

[211204.2023.1109.CIV.DHEC.ATTY LETTER.pdf - 11/09/2023 12:25 PM](#)

**Comment**

NONE PROVIDED

**CORRECTION REQUEST (CORRECTED)**

**Exemptions**

The attorney letter lists several exemptions that may call into question the fee simple ownership of the land (Schedule B Part I). The purpose of the attorney letter is to conclude that NO exemptions exist and that the land and mineral rights are owned by the applicant. Please amend the letter to clearly attest to the ownership of the land and ownership of mineral rights.

Created on 11/13/2023 3:31 PM by **Jeremy E. P.G.**

**3 COMMENTS**

**Trudy Smith (tasmith@earthworksgroup.com) (11/30/2023 11:47 AM)**

FORTHCOMING

**Jeremy E. Eddy, P.G. (eddyje@dhec.sc.gov) (11/29/2023 11:03 AM)**

This appears to be the same attorney letter without the clarification that I asked for.

**Trudy Smith (tasmith@earthworksgroup.com) (11/20/2023 11:49 AM)**

updated

**Additional Information for consideration**

NONE PROVIDED

**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.**

\*The nearest road (West Cox Ferry Road) shall be protected by a minimum setback distance of 380ft from mining activities. The nearest wildlife area (land owned by US Fish and Wildlife) shall be protected by a minimum setback distance of 320ft from mining activities. Other adjacent parcels shall be protected by a minimum setback distance of 320ft. Operator shall use best management practices (e.g., silt fencing, berms, sediment pond) as needed to minimize erosion and control sediment on-site.

**CORRECTION REQUEST (APPROVED)**

**Requesting Additional Details**

Suggested language: The nearest road (West Cox Ferry Road) shall be protected by a minimum setback distance of 380ft from mining activities. The nearest wildlife area (land owned by US Fish and Wildlife) shall be protected by a minimum setback distance of 320ft from mining activities. Other adjacent parcels shall be protected by a minimum setback distance of 320ft. Operator shall use best management practices (e.g., silt fencing, berms, sediment pond) as needed to minimize erosion and control sediment on-site.

Created on 11/13/2023 3:57 PM by **Jeremy E. P.G.**

**1 COMMENT**

**Trudy Smith (tasmith@earthworksgroup.com) (11/16/2023 6:22 PM)**

Updated

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

\*The operator shall, where feasible, divert stormwater run-off into the pit area to collect in the rim ditch along with groundwater. This combined water shall be pumped into a nearby sediment basin and allowed to clarify before being discharged off-site through an outfall regulated by an NPDES permit. Any water discharged offsite shall meet the appropriate NPDES discharge requirements. Active pumping and discharge of water shall cease if dewatering causes flooding conditions to properties downstream. Given the limited depth of mining (20ft), it is not anticipated that dewatering in such a limited area will have any adverse effects on groundwater resources.

**CORRECTION REQUEST (APPROVED)**

**Requesting additional details**

Suggested language: The operator shall, where feasible, divert stormwater run-off into the pit area to collect in the rim ditch along with groundwater. This combined water shall be pumped into a nearby sediment basin and allowed to clarify before being discharged off-site through an outfall regulated by an NPDES permit. Any water discharged offsite shall meet the appropriate NPDES discharge requirements. Active pumping and discharge of water shall cease if dewatering causes flooding conditions to properties downstream. Given the limited depth of mining (20ft), it is not anticipated that dewatering in such a limited area will have any adverse effects on groundwater resources.

Created on 11/13/2023 4:11 PM by **Jeremy E. P.G.**

**1 COMMENT**

**Trudy Smith (tasmith@earthworksgroup.com) (11/16/2023 6:23 PM)**

Updated

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

\*Slopes shall be graded to allow egress of animals from the pit area. The operator shall comply with the recommendations provided by SCDNR in their August 15, 2023 letter to SCDHEC regarding the Spotted Turtle.

**CORRECTION REQUEST (APPROVED)**

**Requesting additional details**

Slopes shall be graded to allow egress of animals from the pit area. The operator shall comply with the recommendations provided by SCDNR in their August 15, 2023 letter to SCDHEC regarding the Spotted Turtle.

Created on 11/13/2023 4:45 PM by **Jeremy E. P.G.**

**1 COMMENT**

**Trudy Smith (tasmith@earthworksgroup.com) (11/16/2023 6:24 PM)**

Updated

**Describe how applicant will comply with State air quality and water quality standards as established by the S.C. Department of Health and Environmental Control.**

\*The proposed operation does not require any state air quality permits; it is not anticipated that the proposed operation will have any affect on state air quality.

The proposed operation requires coverage under the NPDES Permit for Non-Metal Mineral Mining; the operator shall comply with all requirements of the NPDES Permit and associated Stormwater Pollution Prevention Plan.

**CORRECTION REQUEST (APPROVED)**

**Requesting additional details**

Suggested language: The proposed operation does not require any state air quality permits; it is not anticipated that the proposed operation will have any affect on state air quality.

The proposed operation requires coverage under the NPDES Permit for Non-Metal Mineral Mining; the operator shall comply with all requirements of the NPDES Permit and associated Stormwater Pollution Prevention Plan.

Created on 11/13/2023 4:49 PM by **Jeremy E. P.G.**

**1 COMMENT**

**Trudy Smith (tasmith@earthworksgroup.com) (11/16/2023 6:24 PM)**

Updated

**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?**

\* The temporary or permanent placement of refuse and debris from off-site locations is prohibited without approval by DHEC. Topsoil fill brought in from off-site sources must be approved by DHEC prior to placement. The mine will be excavated to the proper slope, no backfill will be required and no offsite material will be brought in to meet required slope. Top of slope locations will be established and excavated down from that point at correct slope, then depth will be limited by width of mine.

**i** 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)**

[211204.2023.1107.CIV.DHEC.MINE PLAN.pdf - 11/07/2023 04:20 PM](#)

**Comment**

No backfill will be required to achieve final slopes, top of slope will be established and the mine will be excavated down to bottom elevation based on required slope and width of mine.

**CORRECTION REQUEST (APPROVED)**

**Additional details requested**

This is a duplicate map of the mine map. The previous answer states that the pit area will be backfilled with "suitable material". What is the makeup of this material? Is this material from on-site or off-site? How much material will be required to ensure a 3H:1V slope along the perimeter of the pond?

Created on 11/14/2023 11:09 AM by **Jeremy E. P.G.**

**1 COMMENT**

**Trudy Smith (tasmith@earthworksgroup.com) (11/20/2023 11:53 AM)**

**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.**

Reclaimed mine slopes will be hydroseeded with the manufacture recommendation guidelines. Remaining soils will be tested for required nutrient and/or soil amendment for establishment of grassed slopes. Slopes to be graded and fertilized prior to placement of seed and mulch. Seed selection and application rates will be based on time of year (winter cover versus permanent cover), we will provide seeding schedules based on current SCDHEC requirements. Maintenance of vegetation will consist of quarterly mowing or as required to provide desired height.

**CORRECTION REQUEST (APPROVED)**

**Requesting additional details**

Please provide detailed descriptions for criteria (a) through (e).

Created on 11/13/2023 4:53 PM by **Jeremy E. P.G.**

**1 COMMENT**

**Trudy Smith (tasmith@earthworksgroup.com) (11/20/2023 12:16 PM)**

UPDATED NOTES ADDED

**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.**

\*There will be no processing of materials at this site; therefore, scraps, tailings, fines, slimes, and other material connected with cleaning and preparation of mineral substances will not be produced. Any sediments, rocks, or overburden will be contained on-site, per the Stormwater Pollution Prevention Plan, by utilization of a sediment basin.

**CORRECTION REQUEST (APPROVED)**

**Additional details required**

Suggested language: There will be no processing of materials at this site; therefore, scraps, tailings, fines, slimes, and other material connected with cleaning and preparation of mineral substances will not be produced. Any sediments, rocks, or overburden will be contained on-site, per the Stormwater Pollution Prevention Plan, by utilization of a sediment basin.

Created on 11/14/2023 10:56 AM by **Jeremy E. P.G.**

**1 COMMENT**

**Trudy Smith (tasmith@earthworksgroup.com) (11/16/2023 6:45 PM)**

Updated

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

Sediment ponds will be backfilled to existing grade.

**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 stream channels or stream banks on this site. The site will be sloped 3H:1V so that water will accumulate within the pond area, which will act as a catch basin to minimize erosion and siltation. Banks above the waterline shall be vegetated as soon as feasible to also minimize erosion and siltation.

**CORRECTION REQUEST (APPROVED)**

**Additional details requested**

Suggested language: There are no stream channels or stream banks on this site. The site will be sloped 3H:1V so that water will accumulate within the pond area, which will act as a catch basin to minimize erosion and siltation. Banks above

the waterline shall be vegetated as soon as feasible to also minimize erosion and siltation.  
Created on 11/14/2023 11:00 AM by **Jeremy E. P.G.**

1 COMMENT

**Trudy Smith (tasmith@earthworksgroup.com) (11/16/2023 6:46 PM)**  
updated

**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 operator shall perform maintenance on reclamation work, as needed. Such maintenance may include, but is not limited to: re-grading slopes that experience heavy erosion, re-vegetate areas that do not meet the 75% vegetated cover with no substantial bare spots, employ BMPs such as silt fencing or check dams to minimize erosion and control sedimentation.

**CORRECTION REQUEST (APPROVED)**

**Additional detail required**

Suggested language: The operator shall perform maintenance on reclamation work, as needed. Such maintenance may include, but is not limited to: re-grading slopes that experience heavy erosion, re-vegetate areas that do not meet the 75% vegetated cover with no substantial bare spots, employ BMPs such as silt fencing or check dams to minimize erosion and control sedimentation.

Created on 11/14/2023 11:04 AM by **Jeremy E. P.G.**

1 COMMENT

**Trudy Smith (tasmith@earthworksgroup.com) (11/16/2023 6:49 PM)**  
updated

**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.**

No trespassing signs and open mine pit signs will be posted.

**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.**

Water depth will be more than 4 feet over the entire mine.

**Identify any structures (e.g. buildings, roads) that are proposed to remain as part of final reclamation. Provide justification for leaving any structures.**

Haul road will remain in place.

**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):**

[211204.2023.1130.CIV.DHEC.RECLAMATION PLANS.pdf - 11/30/2023 11:37 AM](#)

[211204.2023.1130.CIV.DHEC.BMP PLANS.pdf - 11/30/2023 11:37 AM](#)

[211204.2023.1130.CIV.RECLAIM\\_SCHEDULE.pdf - 11/30/2023 11:47 AM](#)

**Comment**

NONE PROVIDED

**CORRECTION REQUEST (CORRECTED)**

**Requesting reclamation map**

Another duplication of the mine map was submitted. This question is asking for a reclamation map, which has different criteria to be shown on it. Please include a reclamation map which shows criteria A-P below. (Note: not all criteria will pertain to this project.)

Created on 11/14/2023 11:10 AM by **Jeremy E. P.G.**

2 COMMENTS

**Jeremy E. Eddy, P.G. (eddyje@dhec.sc.gov) (11/29/2023 10:37 AM)**

These look like a location map and a land use map. There does not appear to be a reclamation map that shows the listed criteria for a reclamation map.

**Trudy Smith (tasmith@earthworksgroup.com) (11/27/2023 1:52 PM)**

Added. Let me know if this is sufficient

- 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.**

None

**Schedule for Implementing Conservation and Reclamation Practices**

| Conservation & Reclamation Practices   | Segment # or Area | Planned Amount | Planned Year | *Applied Amount | *Applied Year | Notes                    |
|--|-------------------|----------------|--------------|-----------------|---------------|--------------------------|
| Install survey control markers   | NONE PROVIDED     | NONE PROVIDED  | 2024         |                 |               | See Note 1, Maintain LOM |
| Flag buffer area   | NONE PROVIDED     | NONE PROVIDED  | 2024         |                 |               | Maintain LOM             |
| Post warning signs   | NONE PROVIDED     | NONE PROVIDED  | 2024         |                 |               | Maintain LOM             |
| Grade haul road to designated mine area; establish sediment control as needed. | NONE PROVIDED     | NONE PROVIDED  | 2024         |                 |               | See Note 2               |

| Conservation & Reclamation Practices  | Segment # or Area | Planned Amount | Planned Year | *Applied Amount | *Applied Year | Notes             |
|---|-------------------|----------------|--------------|-----------------|---------------|-------------------|
| Construct and establish sediment control - silt fence   | NONE PROVIDED     | NONE PROVIDED  | 2024         |                 |               | NONE PROVIDED     |
| Install permanent sediment basin  | NONE PROVIDED     | NONE PROVIDED  | 2024         |                 |               | NONE PROVIDED     |
| Clear/Stockpile topsoil and route Stormwater into sediment basin                                    | NONE PROVIDED     | NONE PROVIDED  | 2024         |                 |               | See Note 3        |
| Mine designated Sand Mine Area  | 3.57 Acres        | NONE PROVIDED  | 2024         |                 |               | See Note 4        |
| Grade and seed outer slopes   | NONE PROVIDED     | NONE PROVIDED  | 2024         |                 |               | See Notes 5 and 6 |
| Request inspection for final reclamation of the designated sand mine area and closeout of the mine. | NONE PROVIDED     | NONE PROVIDED  | 2024         |                 |               | NONE PROVIDED     |
| Inspect, repair, and maintain   | NONE PROVIDED     | NONE PROVIDED  | 2024;2025    |                 |               | NONE PROVIDED     |

**CORRECTION REQUEST (CORRECTED)**

**Requesting additional details**

Please provide a detailed reclamation schedule.

When will sloping occur? When will vegetation be planted? When will the pond be allowed to fill back up with water? When will the sediment pond be backfilled, sloped, and vegetated?

Created on 11/14/2023 11:13 AM by **Jeremy E. P.G.**

**4 COMMENTS**

**Trudy Smith (tasmith@earthworksgroup.com) (11/30/2023 11:54 AM)**

Notes:

1. Two permanent survey monuments or control points within the permitted area shall be located at least 100 feet apart as required in R. 89-130.
2. Existing haul road to be maintained and wetted as needed for life of mine (LOM).
3. Enough topsoil for reclamation must be stockpiled at the site.
4. Sediment basin shall be cleaned of sediment as necessary to ensure the basin functions properly.
5. Slopes shall be graded as excavation progresses.
6. Reclamation/ vegetation shall be inspected on a regular basis and corrective measures taken to prevent erosion of final slope.

**Trudy Smith (tasmith@earthworksgroup.com) (11/30/2023 11:49 AM)**

UPLOADED SPREADSHEET WITH RECLAMATION PLANS. WE UPDATE SCHEDULE AS WELL

**Jeremy E. Eddy, P.G. (eddyje@dhec.sc.gov) (11/29/2023 11:42 AM)**

This does not appear to have been updated as requested. Please break out each reclamation practice (e.g., sloping, first growing season, second growing season, pond filled, sediment pond backfilled, sloped, and vegetated).

**Trudy Smith (tasmith@earthworksgroup.com) (11/20/2023 11:47 AM)**

updated

**i** \*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**

[211204.2023.1120.CIV.DHEC.MINING FORM MR 600.pdf - 11/20/2023 12:15 PM](#)

**Comment**

NONE PROVIDED

**CORRECTION REQUEST (APPROVED)**

**Complete MR-600**

The description of the tract in question has been left blank. ("...more particularly described as:...") Without this description, the LEA is not tied to any particular tract of land. Recommend answering this part of the LEA by listing the TMS #. Also, you can fill in the permit number (I-002412) in the areas that ask for it.

Created on 11/14/2023 11:18 AM by **Jeremy E. P.G.**

**1 COMMENT**

**Trudy Smith (tasmith@earthworksgroup.com) (11/20/2023 12:15 PM)**

UPDATED

## Revisions

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| Revision   | Revision Date       | Revision By |
|------------|---------------------|-------------|
| Revision 1 | 11/6/2023 5:22 PM   | Trudy Smith |
| Revision 2 | 11/15/2023 10:02 AM | Trudy Smith |
| Revision 3 | 11/29/2023 1:13 PM  | Trudy Smith |