

Wastewater - NPDES GENERAL Permit Group - New

version 1.23

(Submission #: HP8-Q17Y-VENTD, version 2)

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Date: 2021.06.14 17:05:01 -04:00
Reason: Submission Data
Location: Columbia, South Carolina

Details

Submission ID HP8-Q17Y-VENTD

Submission Reason New

Form Input

Application Information

What general permit coverage are you applying for?

SCG730000 - Discharges Associated with Nonmetal Mineral Mining Facilities

Do you currently have coverage under an existing general permit?

No

List any other NPDES or ND permit numbers for this site.

none

Facility Information

Facility Name

Fairfield I-77 Development

Facility County

Fairfield

Facility County code (if known)

NONE PROVIDED

Facility Location

34.308550,-81.024190

Tax Map# (List All):

166-00-00-028-000; 166-00-00-018-00; 166-00-00-030-000

[View SIC Codes List](#)

Primary SIC Code

1429-Crushed and Broken Stone

Additional Facility SIC Codes (Section VII):

Priority	SIC Code and Description:
NONE PROVIDED	NONE PROVIDED

[View NAICS Codes List](#)

Primary Facility NAICS Code

212319-Other Crushed and Broken Stone Mining and Quarrying

Additional Facility NAICS Code(s)

Priority	NAICS Code
NONE PROVIDED	NONE PROVIDED

Map

[PDF 21 0427 Fairfield I-77 E&S Plan.pdf - 05/14/2021 03:16 PM](#)

Comment

NONE PROVIDED

Owner/Operator Information**Owner****Prefix**

NONE PROVIDED

First Name

NONE PROVIDED

Last Name

NONE PROVIDED

Title

NONE PROVIDED

Organization Name

Luck Stone Corporation

Phone Type Number Extension

Business 8044766404

Email

markdwilliams@luckcompanies.com

Fax

NONE PROVIDED

Mailing address

POBox 29682

Richmond, Virginia 23242

[NO COUNTY SPECIFIED], USA

CORRECTION REQUEST (CORRECTED)**Owner's information**

The owner's name is typically the company only and not a person unless there is a sole proprietor of the company. Therefore, you will need to modify the submittal to remove the person's name and title and only list the organization name. The Company/Organization name also needs to be exactly as it is registered with South Carolina Secretary of State's Office (Inc., LLC, Company etc..). After you make the correction, please mark it complete and resubmit. If the owner is a sole proprietor, no changes need to be made to this section so just resubmit. Thanks Patty
Created on 6/14/2021 3:19 PM by **Patty Barnes**

Owner Employer Identification Number (EIN)

540630628

Is Facility Operated by Owner?

Yes

Facility Type

Private

Contact Information

Facility Contact Information

Prefix

Mr.

First Name Last Name

Mark *Williams*

Title

Environmental Manager

Organization Name

Luck Companies

Phone Type Number Extension

Business 8044766404

Email

markdwilliams@luckcompanies.com

Fax

NONE PROVIDED

Mailing Address

POBox 29682

Richmond, VA 23242

USA

Billing Contact (It may be a good idea to invite this contact as a user for this site.)

Prefix

Mr.

First Name Last Name

Mark *Williams*

Title

Environmental Manager

Organization Name

Luck Companies

Phone Type Number Extension

Business 8044766404

Email

markdwilliams@luckcompanies.com

Fax

NONE PROVIDED

Mailing Address

POBox 29682

Richmond, VA 23242

USA

Emergency Contacts

EMERGENCY CONTACT INSTRUCTIONS

MULTIPLE PHONE NUMBERS ARE ALLOWED FOR THIS CONTACT. AT A MINIMUM, A MOBILE NUMBER SHOULD BE PROVIDED FOR THIS CONTACT.

Emergency Contact

Prefix*Mr.***First Name** **Last Name**
Mark Williams**Title***Environmental Manager***Organization Name***Luck Companies***Phone Type** **Number** **Extension**

Mobile 8046411457

Email*markdwilliams@luckcompanies.com***Fax***NONE PROVIDED***Address**

POBox 29682

Richmond, VA 23242

USA

EMERGENCY CONTACT INSTRUCTIONS

MULTIPLE PHONE NUMBERS ARE ALLOWED FOR THIS CONTACT. AT A MINIMUM, A MOBILE NUMBER SHOULD BE PROVIDED FOR THIS CONTACT.

Second Emergency Contact

Prefix*NONE PROVIDED***First Name** **Last Name**
Abel Parker**Title***Risk Director***Organization Name***Luck Companies***Phone Type** **Number** **Extension**

Business 8044766405

Mobile 8046412581

Email*aparker@luckcompanies.com***Fax***NONE PROVIDED***Address**

POBox 29682

Richmond, VA 23242

USA

EMERGENCY CONTACT INSTRUCTIONS

MULTIPLE PHONE NUMBERS ARE ALLOWED FOR THIS CONTACT. AT A MINIMUM, A MOBILE NUMBER SHOULD BE PROVIDED FOR THIS CONTACT.

Third Emergency Contact

Prefix

NONE PROVIDED

First Name

NONE PROVIDED

Last Name

NONE PROVIDED

Title

NONE PROVIDED

Organization Name

NONE PROVIDED

Phone Type**Number Extension**

NONE PROVIDED

Email

NONE PROVIDED

Fax

NONE PROVIDED

Address

[NO STREET ADDRESS SPECIFIED]

[NO CITY SPECIFIED], SC [NO ZIP CODE SPECIFIED]

USA

Wastewater Treatment Plant Location (1 of 1)

Fairfield I-77 Development**Treatment Plant Site Name:**

Fairfield I-77 Development

Does your facility treat or store wastewater and/or sludge?

No

Outfall/Land Application Site Location (1 of 9)

Please ensure Stormwater outfalls are identified.

Is this an outfall or land application site?

Outfall

Outfall number/Land Application Field Name

SW-001

Definitions of Discharge Types

1) Storm Water Associated with the Industrial Activity of Mining means storm water runoff, snow melt runoff, and surface runoff and drainage from facilities classified as Standard Industrial Classification 14 (non-metallic mineral industry) including active or inactive mining operations that discharge storm water contaminated by contact with or that has come into contact with, any overburden, raw material, intermediate products, finished products, byproducts or waste products located on the site of such operations. Inactive mining operations are mining sites that are not being actively mined, but which have an identifiable owner/operator; inactive mining sites do not include sites where mining claims are being maintained prior to disturbances associated with the extraction, beneficiation, or processing mined materials, nor sites where minimal activities are undertaken for the sole purpose of maintaining a mining claim.

2) Mine Dewatering is any water that is impounded or that collects in the mine and is pumped, drained or otherwise removed from the mine through the efforts of the mine operator. This term shall also include wet pit overflows caused solely by direct rainfall and ground water seepage. However, if a mine is also used for treatment of mine process generated wastewater, discharges of commingled water from the mine shall be deemed discharges of mine process generated wastewater.

3) Process-Generated Wastewater: is any wastewater used in the slurry transport of mined material, air emissions control (excluding water used for dust suppression on roads which is evaporated or absorbed by soils such that no runoff to a receiving stream occurs), or processing exclusive of mining. The term shall also include any other water, which becomes commingled with such wastewater in a pit, pond, lagoon, mine or other facility used for treatment of such wastewater.

4) Mine Equipment Wash Water means wastewater generated by washing mine equipment (including trucks) used in onsite mining operations. To qualify as mine equipment wash water under this general permit any soaps or detergents used for washing must be biodegradable and phosphate-free.

5) Suction Dredge Water means wastewater generated from suction dredging in sand or gravel dredge mining operations conducted in surface waters classified as Waters of the State and subsequently processed onshore to extract the sand or gravel. Suction dredge waters generated from dredging operations conducted in a mine pit are not included in this definition.

Discharge Type

1) Storm Water Associated with the Industrial Activity of Mining

What is the average flow (or design flow for Domestic Facilities or Water Treatment Plants) in GPD?

755000

Outfall/Land Application Site Location

34.308056,-81.020278

Is the receiving stream an unnamed tributary to a named waterbody?

Yes

Receiving Water (Please type none for land application sites)

Wateree Lake

Describe the discharge flow path from the point it exits the system to the point it enters the receiving water, identifying the distance in feet and specifying if the discharge flows through a stormwater pond.

The discharge exits a sediment basin through a riser pipe into a riprap lined plunge pool, travels 20 feet through a riprap lined swale, and enters a 50-foot vegetated buffer to the unnamed tributary.

Indicate if easements have been obtained for any conveyances of the discharge not on property of the permittee, which are not waters of the State.

NA

Describe all operations that contribute wastewater to the discharge and any treatment that is provided.

Sediment Basin PT-SB-1 will hold stormwater runoff from a 50-year storm in the vicinity of the plant's scale office and entrance road, before discharging into the riprap lined swale.

Outfall/Land Application Site Location (2 of 9)

Please ensure Stormwater outfalls are identified.

Is this an outfall or land application site?

Outfall

Outfall number/Land Application Field Name

SW-002

Definitions of Discharge Types

1) Storm Water Associated with the Industrial Activity of Mining means storm water runoff, snow melt runoff, and surface runoff and drainage from facilities classified as Standard Industrial Classification 14 (non-metallic mineral industry) including active or inactive mining operations that discharge storm water contaminated by contact with or that has come into contact with, any overburden, raw material, intermediate products, finished products, byproducts or waste products located on the site of such operations. Inactive mining operations are mining sites that are not being actively mined, but which have an identifiable owner/operator; inactive mining sites do not include sites where mining claims are being maintained prior to disturbances associated with the extraction, beneficiation, or processing mined materials, nor sites where minimal activities are undertaken for the sole purpose of maintaining a mining claim.

2) Mine Dewatering is any water that is impounded or that collects in the mine and is pumped, drained or otherwise removed from the mine through the efforts of the mine operator. This term shall also include wet pit overflows caused solely by direct rainfall and ground water seepage. However, if a mine is also used for treatment of mine process generated wastewater, discharges of commingled water from the mine shall be deemed discharges of mine process generated wastewater.

3) Process-Generated Wastewater: is any wastewater used in the slurry transport of mined material, air emissions control (excluding water used for dust suppression on roads which is evaporated or absorbed by soils such that no runoff to a receiving stream occurs), or processing exclusive of mining. The term shall also include any other water, which becomes commingled with such wastewater in a pit, pond, lagoon, mine or other facility used for treatment of such wastewater.

4) Mine Equipment Wash Water means wastewater generated by washing mine equipment (including trucks) used in onsite mining operations. To qualify as mine equipment wash water under this general permit any soaps or detergents used for washing must be biodegradable and phosphate-free.

5) Suction Dredge Water means wastewater generated from suction dredging in sand or gravel dredge mining operations conducted in surface waters classified as Waters of the State and subsequently processed onshore to extract the sand or gravel. Suction dredge waters generated from dredging operations conducted in a mine pit are not included in this definition.

Discharge Type

1) Storm Water Associated with the Industrial Activity of Mining

What is the average flow (or design flow for Domestic Facilities or Water Treatment Plants) in GPD?

578000

Outfall/Land Application Site Location

34.313056,-81.018611

Is the receiving stream an unnamed tributary to a named waterbody?

Yes

Receiving Water (Please type none for land application sites)

Wateree Lake

Describe the discharge flow path from the point it exits the system to the point it enters the receiving water, identifying the distance in feet and specifying if the discharge flows through a stormwater pond.

The discharge exits a sediment basin through a riser pipe into a riprap lined plunge pool, travels 20 feet through a riprap lined swale, and enters a 50-foot vegetated buffer to the unnamed tributary.

Indicate if easements have been obtained for any conveyances of the discharge not on property of the permittee, which are not waters of the State.

NA

Describe all operations that contribute wastewater to the discharge and any treatment that is provided.

Sediment Basin W-SB-1 will hold stormwater runoff from a 50-year storm in the vicinity of the West Berm Overburden Storage and entrance road, before discharging into the riprap lined swale.

Outfall/Land Application Site Location (3 of 9)

Please ensure Stormwater outfalls are identified.

Is this an outfall or land application site?

Outfall

Outfall number/Land Application Field Name

SW-003

Definitions of Discharge Types

1) Storm Water Associated with the Industrial Activity of Mining means storm water runoff, snow melt runoff, and surface runoff and drainage from facilities classified as Standard Industrial Classification 14 (non-metallic mineral industry) including active or inactive mining operations that discharge storm water contaminated by contact with or that has come into contact with, any overburden, raw material, intermediate products, finished products, byproducts or waste products located on the site of such operations. Inactive mining operations are mining sites that are not being actively mined, but which have an identifiable owner/operator; inactive mining sites do not include sites where mining claims are being maintained prior to disturbances associated with the extraction, beneficiation, or processing mined materials, nor sites where minimal activities are undertaken for the sole purpose of maintaining a mining claim.

2) Mine Dewatering is any water that is impounded or that collects in the mine and is pumped, drained or otherwise removed from the mine through the efforts of the mine operator. This term shall also include wet pit overflows caused solely by direct rainfall and ground water seepage. However, if a mine is also used for treatment of mine process generated wastewater, discharges of commingled water from the mine shall be deemed discharges of mine process generated wastewater.

3) Process-Generated Wastewater: is any wastewater used in the slurry transport of mined material, air emissions control (excluding water used for dust suppression on roads which is evaporated or absorbed by soils such that no runoff to a receiving stream occurs), or processing exclusive of mining. The term shall also include any other water, which becomes commingled with such wastewater in a pit, pond, lagoon, mine or other facility used for treatment of such wastewater.

4) Mine Equipment Wash Water means wastewater generated by washing mine equipment (including trucks) used in onsite mining operations. To qualify as mine equipment wash water under this general permit any soaps or detergents used for washing must be biodegradable and phosphate-free.

5) Suction Dredge Water means wastewater generated from suction dredging in sand or gravel dredge mining operations conducted in surface waters classified as Waters of the State and subsequently processed onshore to extract the sand or gravel. Suction dredge waters generated from dredging operations conducted in a mine pit are not included in this definition.

Discharge Type

1) Storm Water Associated with the Industrial Activity of Mining

What is the average flow (or design flow for Domestic Facilities or Water Treatment Plants) in GPD?

1510000

Outfall/Land Application Site Location

34.313056,-81.018611

Is the receiving stream an unnamed tributary to a named waterbody?

Yes

Receiving Water (Please type none for land application sites)

Wateree Lake

Describe the discharge flow path from the point it exits the system to the point it enters the receiving water, identifying the distance in feet and specifying if the discharge flows through a stormwater pond.

The discharge exits a sediment basin through a riser pipe into a riprap lined plunge pool, travels 20 feet through a riprap lined swale, and enters a 50-foot vegetated buffer to the unnamed tributary.

Indicate if easements have been obtained for any conveyances of the discharge not on property of the permittee, which are not waters of the State.

NA

Describe all operations that contribute wastewater to the discharge and any treatment that is provided.

Sediment Basin P-SB-1 will hold stormwater runoff from a 50-year storm in the vicinity of the Phase 1 pit as overburden is being removed, before discharging into the riprap lined swale. This basin will eventually be consumed by the expanding pit.

Outfall/Land Application Site Location (4 of 9)

Please ensure Stormwater outfalls are identified.

Is this an outfall or land application site?

Outfall

Outfall number/Land Application Field Name

SW-004

Definitions of Discharge Types

1) Storm Water Associated with the Industrial Activity of Mining means storm water runoff, snow melt runoff, and surface runoff and drainage from facilities classified as Standard Industrial Classification 14 (non-metallic mineral industry) including active or inactive mining operations that discharge storm water contaminated by contact with or that has come into contact with, any overburden, raw material, intermediate products, finished products, byproducts or waste products located on the site of such operations. Inactive mining operations are mining sites that are not being actively mined, but which have an identifiable owner/operator; inactive mining sites do not include sites where mining claims are being maintained prior to disturbances associated with the extraction, beneficiation, or processing mined materials, nor sites where minimal activities are undertaken for the sole purpose of maintaining a mining claim.

2) Mine Dewatering is any water that is impounded or that collects in the mine and is pumped, drained or otherwise removed from the mine through the efforts of the mine operator. This term shall also include wet pit overflows caused solely by direct rainfall and ground water seepage. However, if a mine is also used for treatment of mine process generated wastewater, discharges of commingled water from the mine shall be deemed discharges of mine process generated wastewater.

3) Process-Generated Wastewater: is any wastewater used in the slurry transport of mined material, air emissions control (excluding water used for dust suppression on roads which is evaporated or absorbed by soils such that no runoff to a receiving stream occurs), or processing exclusive of mining. The term shall also include any other water, which becomes commingled with such wastewater in a pit, pond, lagoon, mine or other facility used for treatment of such wastewater.

4) Mine Equipment Wash Water means wastewater generated by washing mine equipment (including trucks) used in onsite mining operations. To qualify as mine equipment wash water under this general permit any soaps or detergents used for washing must be biodegradable and phosphate-free.

5) Suction Dredge Water means wastewater generated from suction dredging in sand or gravel dredge mining operations conducted in surface waters classified as Waters of the State and subsequently processed onshore to extract the sand or gravel. Suction dredge waters generated from dredging operations conducted in a mine pit are not included in this definition.

Discharge Type

1) Storm Water Associated with the Industrial Activity of Mining

What is the average flow (or design flow for Domestic Facilities or Water Treatment Plants) in GPD?

578000

Outfall/Land Application Site Location

34.320000,-81.016667

Is the receiving stream an unnamed tributary to a named waterbody?

Yes

Receiving Water (Please type none for land application sites)

Wateree Lake

Describe the discharge flow path from the point it exits the system to the point it enters the receiving water, identifying the distance in feet and specifying if the discharge flows through a stormwater pond.

The discharge exits a sediment basin through a riser pipe into a riprap lined plunge pool, travels 20 feet through a riprap lined swale, and enters a 50-foot vegetated buffer to the unnamed tributary.

Indicate if easements have been obtained for any conveyances of the discharge not on property of the permittee, which are not waters of the State.

NA

Describe all operations that contribute wastewater to the discharge and any treatment that is provided.

Sediment Basin P-SB-2 will hold stormwater runoff from a 50-year storm in the vicinity of the Phase 1 pit as overburden is being removed, before discharging into the riprap lined swale. This basin will eventually be consumed by the expanding pit.

Outfall/Land Application Site Location (5 of 9)

Please ensure Stormwater outfalls are identified.

Is this an outfall or land application site?

Outfall

Outfall number/Land Application Field Name

005

Definitions of Discharge Types

1) Storm Water Associated with the Industrial Activity of Mining means storm water runoff, snow melt runoff, and surface runoff and drainage from facilities classified as Standard Industrial Classification 14 (non-metallic mineral industry) including active or inactive mining operations that discharge storm water contaminated by contact with or that has come into contact with, any overburden, raw material, intermediate products, finished products, byproducts or waste products located on the site of such operations. Inactive mining operations are mining sites that are not being actively mined, but which have an identifiable owner/operator; inactive mining sites do not include sites where mining claims are being maintained prior to disturbances associated with the extraction, beneficiation, or processing mined materials, nor sites where minimal activities are undertaken for the sole purpose of maintaining a mining claim.

2) Mine Dewatering is any water that is impounded or that collects in the mine and is pumped, drained or otherwise removed from the mine through the efforts of the mine operator. This term shall also include wet pit overflows caused solely by direct rainfall and ground water seepage. However, if a mine is also used for treatment of mine process generated wastewater, discharges of commingled water from the mine shall be deemed discharges of mine process generated wastewater.

3) Process-Generated Wastewater: is any wastewater used in the slurry transport of mined material, air emissions control (excluding water used for dust suppression on roads which is evaporated or absorbed by soils such that no runoff to a receiving stream occurs), or processing exclusive of mining. The term shall also include any other water, which becomes commingled with such wastewater in a pit, pond, lagoon, mine or other facility used for treatment of such wastewater.

4) Mine Equipment Wash Water means wastewater generated by washing mine equipment (including trucks) used in onsite mining operations. To qualify as mine equipment wash water under this general permit any soaps or detergents used for washing must be biodegradable and phosphate-free.

5) Suction Dredge Water means wastewater generated from suction dredging in sand or gravel dredge mining operations conducted in surface waters classified as Waters of the State and subsequently processed onshore to extract the sand or gravel. Suction dredge waters generated from dredging operations conducted in a mine pit are not included in this definition.

Discharge Type

- 1) Storm Water Associated with the Industrial Activity of Mining
- 2) Mine Dewatering
- 3) Process-Generated Wastewater

What is the average flow (or design flow for Domestic Facilities or Water Treatment Plants) in GPD?

755000

Outfall/Land Application Site Location

34.316389,-81.014167

Is the receiving stream an unnamed tributary to a named waterbody?

Yes

Receiving Water (Please type none for land application sites)

Wateree Lake

Describe the discharge flow path from the point it exits the system to the point it enters the receiving water, identifying the distance in feet and specifying if the discharge flows through a stormwater pond.

The discharge exits a sediment basin through a riser pipe into a riprap lined plunge pool, travels 20 feet through a riprap lined swale, and enters a 50-foot vegetated buffer to the unnamed tributary.

Indicate if easements have been obtained for any conveyances of the discharge not on property of the permittee, which are not waters of the State.

NA

Describe all operations that contribute wastewater to the discharge and any treatment that is provided.

Sediment Basin P-SB-3 will hold stormwater runoff from a 50-year storm in the vicinity of the processing plant, as well as water used for process dust suppression that was originally from mine dewatering, before discharging into the riprap lined swale.

Outfall/Land Application Site Location (6 of 9)

Please ensure Stormwater outfalls are identified.

Is this an outfall or land application site?

Outfall

Outfall number/Land Application Field Name

SW-006

Definitions of Discharge Types

1) Storm Water Associated with the Industrial Activity of Mining means storm water runoff, snow melt runoff, and surface runoff and drainage from facilities classified as Standard Industrial Classification 14 (non-metallic mineral industry) including active or inactive mining operations that discharge storm water contaminated by contact with or that has come into contact with, any overburden, raw material, intermediate products, finished products, byproducts or waste products located on the site of such operations. Inactive mining operations are mining sites that are not being actively mined, but which have an identifiable owner/operator; inactive mining sites do not include sites where mining claims are being maintained prior to disturbances associated with the extraction, beneficiation, or processing mined materials, nor sites where minimal activities are undertaken for the sole purpose of maintaining a mining claim.

2) Mine Dewatering is any water that is impounded or that collects in the mine and is pumped, drained or otherwise removed from the mine through the efforts of the mine operator. This term shall also include wet pit overflows caused solely by direct rainfall and ground water seepage. However, if a mine is also used for treatment of mine process generated wastewater,

discharges of commingled water from the mine shall be deemed discharges of mine process generated wastewater.

3) Process-Generated Wastewater: is any wastewater used in the slurry transport of mined material, air emissions control (excluding water used for dust suppression on roads which is evaporated or absorbed by soils such that no runoff to a receiving stream occurs), or processing exclusive of mining. The term shall also include any other water, which becomes commingled with such wastewater in a pit, pond, lagoon, mine or other facility used for treatment of such wastewater.

4) Mine Equipment Wash Water means wastewater generated by washing mine equipment (including trucks) used in onsite mining operations. To qualify as mine equipment wash water under this general permit any soaps or detergents used for washing must be biodegradable and phosphate-free.

5) Suction Dredge Water means wastewater generated from suction dredging in sand or gravel dredge mining operations conducted in surface waters classified as Waters of the State and subsequently processed onshore to extract the sand or gravel. Suction dredge waters generated from dredging operations conducted in a mine pit are not included in this definition.

Discharge Type

1) Storm Water Associated with the Industrial Activity of Mining

What is the average flow (or design flow for Domestic Facilities or Water Treatment Plants) in GPD?

755000

Outfall/Land Application Site Location

34.318611,-81.011667

Is the receiving stream an unnamed tributary to a named waterbody?

Yes

Receiving Water (Please type none for land application sites)

Wateree Lake

Describe the discharge flow path from the point it exits the system to the point it enters the receiving water, identifying the distance in feet and specifying if the discharge flows through a stormwater pond.

The discharge exits a sediment basin through a riser pipe into a riprap lined plunge pool, travels 20 feet through a riprap lined swale, and enters a 50-foot vegetated buffer to the unnamed tributary.

Indicate if easements have been obtained for any conveyances of the discharge not on property of the permittee, which are not waters of the State.

NA

Describe all operations that contribute wastewater to the discharge and any treatment that is provided.

Sediment Basin NE-SB-1 will hold stormwater runoff from a 50-year storm in the vicinity of the Northeast Overburden Storage, before discharging into the riprap lined swale.

Outfall/Land Application Site Location (7 of 9)

Please ensure Stormwater outfalls are identified.

Is this an outfall or land application site?

Outfall

Outfall number/Land Application Field Name

SW-007

Definitions of Discharge Types

1) Storm Water Associated with the Industrial Activity of Mining means storm water runoff, snow melt runoff, and surface runoff and drainage from facilities classified as Standard Industrial Classification 14 (non-metallic mineral industry) including active or inactive mining operations that discharge storm water contaminated by contact with or that has come into contact with, any overburden, raw material, intermediate products, finished products, byproducts or waste products located on the site of such operations. Inactive mining operations are mining sites that are not being actively mined, but which have an identifiable owner/operator; inactive mining sites do not include sites where mining claims are being maintained prior to disturbances associated with the extraction, beneficiation, or processing mined materials, nor sites where minimal activities are undertaken for the sole purpose of maintaining a mining claim.

2) Mine Dewatering is any water that is impounded or that collects in the mine and is pumped, drained or otherwise removed from the mine through the efforts of the mine operator. This term shall also include wet pit overflows caused solely by direct rainfall and ground water seepage. However, if a mine is also used for treatment of mine process generated wastewater,

discharges of commingled water from the mine shall be deemed discharges of mine process generated wastewater.

3) Process-Generated Wastewater: is any wastewater used in the slurry transport of mined material, air emissions control (excluding water used for dust suppression on roads which is evaporated or absorbed by soils such that no runoff to a receiving stream occurs), or processing exclusive of mining. The term shall also include any other water, which becomes commingled with such wastewater in a pit, pond, lagoon, mine or other facility used for treatment of such wastewater.

4) Mine Equipment Wash Water means wastewater generated by washing mine equipment (including trucks) used in onsite mining operations. To qualify as mine equipment wash water under this general permit any soaps or detergents used for washing must be biodegradable and phosphate-free.

5) Suction Dredge Water means wastewater generated from suction dredging in sand or gravel dredge mining operations conducted in surface waters classified as Waters of the State and subsequently processed onshore to extract the sand or gravel. Suction dredge waters generated from dredging operations conducted in a mine pit are not included in this definition.

Discharge Type

1) Storm Water Associated with the Industrial Activity of Mining

What is the average flow (or design flow for Domestic Facilities or Water Treatment Plants) in GPD?

388000

Outfall/Land Application Site Location

34.320833,-81.011944

Is the receiving stream an unnamed tributary to a named waterbody?

Yes

Receiving Water (Please type none for land application sites)

Wateree Lake

Describe the discharge flow path from the point it exits the system to the point it enters the receiving water, identifying the distance in feet and specifying if the discharge flows through a stormwater pond.

The discharge exits a sediment basin through a riser pipe into a riprap lined plunge pool, travels 20 feet through a riprap lined swale, and enters a 50-foot vegetated buffer to the unnamed tributary.

Indicate if easements have been obtained for any conveyances of the discharge not on property of the permittee, which are not waters of the State.

NA

Describe all operations that contribute wastewater to the discharge and any treatment that is provided.

Sediment Basin NE-SB-2 will hold stormwater runoff from a 50-year storm in the vicinity of the Northeast Overburden Storage, before discharging into the riprap lined swale.

Outfall/Land Application Site Location (8 of 9)

Please ensure Stormwater outfalls are identified.

Is this an outfall or land application site?

Outfall

Outfall number/Land Application Field Name

SW-008

Definitions of Discharge Types

1) Storm Water Associated with the Industrial Activity of Mining means storm water runoff, snow melt runoff, and surface runoff and drainage from facilities classified as Standard Industrial Classification 14 (non-metallic mineral industry) including active or inactive mining operations that discharge storm water contaminated by contact with or that has come into contact with, any overburden, raw material, intermediate products, finished products, byproducts or waste products located on the site of such operations. Inactive mining operations are mining sites that are not being actively mined, but which have an identifiable owner/operator; inactive mining sites do not include sites where mining claims are being maintained prior to disturbances associated with the extraction, beneficiation, or processing mined materials, nor sites where minimal activities are undertaken for the sole purpose of maintaining a mining claim.

2) Mine Dewatering is any water that is impounded or that collects in the mine and is pumped, drained or otherwise removed from the mine through the efforts of the mine operator. This term shall also include wet pit overflows caused solely by direct rainfall and ground water seepage. However, if a mine is also used for treatment of mine process generated wastewater,

discharges of commingled water from the mine shall be deemed discharges of mine process generated wastewater.

3) Process-Generated Wastewater: is any wastewater used in the slurry transport of mined material, air emissions control (excluding water used for dust suppression on roads which is evaporated or absorbed by soils such that no runoff to a receiving stream occurs), or processing exclusive of mining. The term shall also include any other water, which becomes commingled with such wastewater in a pit, pond, lagoon, mine or other facility used for treatment of such wastewater.

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Discharge Type

1) Storm Water Associated with the Industrial Activity of Mining

What is the average flow (or design flow for Domestic Facilities or Water Treatment Plants) in GPD?

425000

Outfall/Land Application Site Location

34.323333,-81.013611

Is the receiving stream an unnamed tributary to a named waterbody?

Yes

Receiving Water (Please type none for land application sites)

Wateree Lake

Describe the discharge flow path from the point it exits the system to the point it enters the receiving water, identifying the distance in feet and specifying if the discharge flows through a stormwater pond.

The discharge exits a sediment basin through a riser pipe into a riprap lined plunge pool, travels 20 feet through a riprap lined swale, and enters a 50-foot vegetated buffer to the unnamed tributary.

Indicate if easements have been obtained for any conveyances of the discharge not on property of the permittee, which are not waters of the State.

NA

Describe all operations that contribute wastewater to the discharge and any treatment that is provided.

Sediment Basin NE-SB-3 will hold stormwater runoff from a 50-year storm in the vicinity of the Northeast Overburden Storage, before discharging into the riprap lined swale.

Outfall/Land Application Site Location (9 of 9)

Please ensure Stormwater outfalls are identified.

Is this an outfall or land application site?

Outfall

Outfall number/Land Application Field Name

SW-009

Definitions of Discharge Types

1) Storm Water Associated with the Industrial Activity of Mining means storm water runoff, snow melt runoff, and surface runoff and drainage from facilities classified as Standard Industrial Classification 14 (non-metallic mineral industry) including active or inactive mining operations that discharge storm water contaminated by contact with or that has come into contact with, any overburden, raw material, intermediate products, finished products, byproducts or waste products located on the site of such operations. Inactive mining operations are mining sites that are not being actively mined, but which have an identifiable owner/operator; inactive mining sites do not include sites where mining claims are being maintained prior to disturbances associated with the extraction, beneficiation, or processing mined materials, nor sites where minimal activities are undertaken for the sole purpose of maintaining a mining claim.

2) Mine Dewatering is any water that is impounded or that collects in the mine and is pumped, drained or otherwise removed from the mine through the efforts of the mine operator. This term shall also include wet pit overflows caused solely by direct rainfall and ground water seepage. However, if a mine is also used for treatment of mine process generated wastewater,

discharges of commingled water from the mine shall be deemed discharges of mine process generated wastewater.

3) Process-Generated Wastewater: is any wastewater used in the slurry transport of mined material, air emissions control (excluding water used for dust suppression on roads which is evaporated or absorbed by soils such that no runoff to a receiving stream occurs), or processing exclusive of mining. The term shall also include any other water, which becomes commingled with such wastewater in a pit, pond, lagoon, mine or other facility used for treatment of such wastewater.

4) Mine Equipment Wash Water means wastewater generated by washing mine equipment (including trucks) used in onsite mining operations. To qualify as mine equipment wash water under this general permit any soaps or detergents used for washing must be biodegradable and phosphate-free.

5) Suction Dredge Water means wastewater generated from suction dredging in sand or gravel dredge mining operations conducted in surface waters classified as Waters of the State and subsequently processed onshore to extract the sand or gravel. Suction dredge waters generated from dredging operations conducted in a mine pit are not included in this definition.

Discharge Type

1) Storm Water Associated with the Industrial Activity of Mining

What is the average flow (or design flow for Domestic Facilities or Water Treatment Plants) in GPD?

755000

Outfall/Land Application Site Location

34.320556,-81.016389

Is the receiving stream an unnamed tributary to a named waterbody?

Yes

Receiving Water (Please type none for land application sites)

Wateree Lake

Describe the discharge flow path from the point it exits the system to the point it enters the receiving water, identifying the distance in feet and specifying if the discharge flows through a stormwater pond.

The discharge exits a sediment basin through a riser pipe into a riprap lined plunge pool, travels 20 feet through a riprap lined swale, and enters a 50-foot vegetated buffer to the unnamed tributary.

Indicate if easements have been obtained for any conveyances of the discharge not on property of the permittee, which are not waters of the State.

NA

Describe all operations that contribute wastewater to the discharge and any treatment that is provided.

Sediment Basin NE-SB-4 will hold stormwater runoff from a 50-year storm in the vicinity of the Northeast Overburden Storage, before discharging into the riprap lined swale.

Mining - NPDES - GP

Please see link below for the General Permit.

[NPDES General Permit for discharges Associated with Nonmetal Mineral Mining Facilities](#)

Please see link below for DHEC form 3559 (Notice of Intent)

[Notice of Intent \(NOI\) NPDES General Permit for Discharges Associated with Nonmetallic Mineral Mining Facilities](#)
[SCG730000](#)

Is this site exempt from the Mining Act?

No

Mining Permit Number

I-002329

Materials to be Mined (If material is mined solely as fill dirt, enter fill dirt and not "sand" or "clay").

Granite/Gneiss

Total number of acres to be affected by the mining activity

259.9

Mining - NPDES - GP - Required Documents

Map Specifications

Provide a map of the site that shows the following:

- 1) The property boundary and all areas that will be affected by mining activities (i.e. the pits or excavation areas, overburden areas, material stockpiles, etc.).
- 2) Location of planned access and haul roads on the area to be affected.
- 3) 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.
- 4) A legend showing the name of applicant, name of the proposed mine, north arrow, county, scale, date of preparation and name and title of the person who prepared the site map.
- 5) Identify the locations of the outfalls.

Do you have any data on the quality of the discharge?

No

Documents

[PDF 21 0427 Fairfield I-77 E&S Plan.pdf - 05/14/2021 03:57 PM](#)

Comment

A mine permit application has also been recently submitted for a concurrent review.

Stormwater Pollution Prevention Plan

The Stormwater Pollution Prevention Plan (SWPPP) must be prepared in accordance with the requirements of Part VIII.C of the NPDES General Permit for Discharges Associated with Nonmetal Mineral Mining Facilities.

The SWPPP must be prepared prior to the submittal of this Notice of Intent. See the SWPPP requirements in Part VIII.C of the NPDES general permit.

[Click here to view the NPDES General Permit](#)

Indicate whether the SWPPP has been prepared. The SWPPP must be prepared prior to submittal of this NOI.

Yes

Additional Information and Fee

NOI Coverage

100

Total Fee

100

Use the space below to bring to the Department's attention any additional information that you believe should be considered in the permit decision.

A mining permit application has been recently submitted for concurrent review.

Using the attachment button below upload additional documents for consideration.

NONE PROVIDED

Comment

NONE PROVIDED

Revisions

Revision	Revision Date	Revision By
Revision 1	5/14/2021 2:56 PM	Mark Williams
Revision 2	6/14/2021 4:56 PM	Mark Williams

Agreements and Signature(s)

SUBMISSION AGREEMENTS

- I am the owner of the account used to perform the electronic submission and signature.
- I have the authority to submit the data on behalf of the facility I am representing.
- I agree that providing the account credentials to sign the submission document constitutes an electronic signature equivalent to my written signature.
- I have reviewed the electronic form being submitted in its entirety, and agree to the validity and accuracy of the information contained within it to the best of my knowledge.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I will not discharge under this General Permit until I receive authorization from the Department.

Signed Mark Williams on 06/14/2021 at 4:56 PM
By