



SC DEPARTMENT *of*
**ENVIRONMENTAL
SERVICES**

Public Meeting/ Public Hearing

Manning Quarry

March 19, 2026





SC DEPARTMENT *of*
**ENVIRONMENTAL
SERVICES**

Air Quality

Land & Waste Management

Coastal Resources

Water

Regional & Laboratory Services

Science • Service • Sustainability



Agenda

- Introduction
- Mining & Air Presentations
- Questions & Answers
- Intermission
- Public Hearing
- No Permitting Decision Made Tonight

More information on this project may be found at des.sc.gov/ManningQuarry

Mining Presentation



Mining Topics

- Mine Permitting Process
- General Information
- Proposed Permitted Area
- Reclamation
- Addressing Common Concerns
- Next Steps

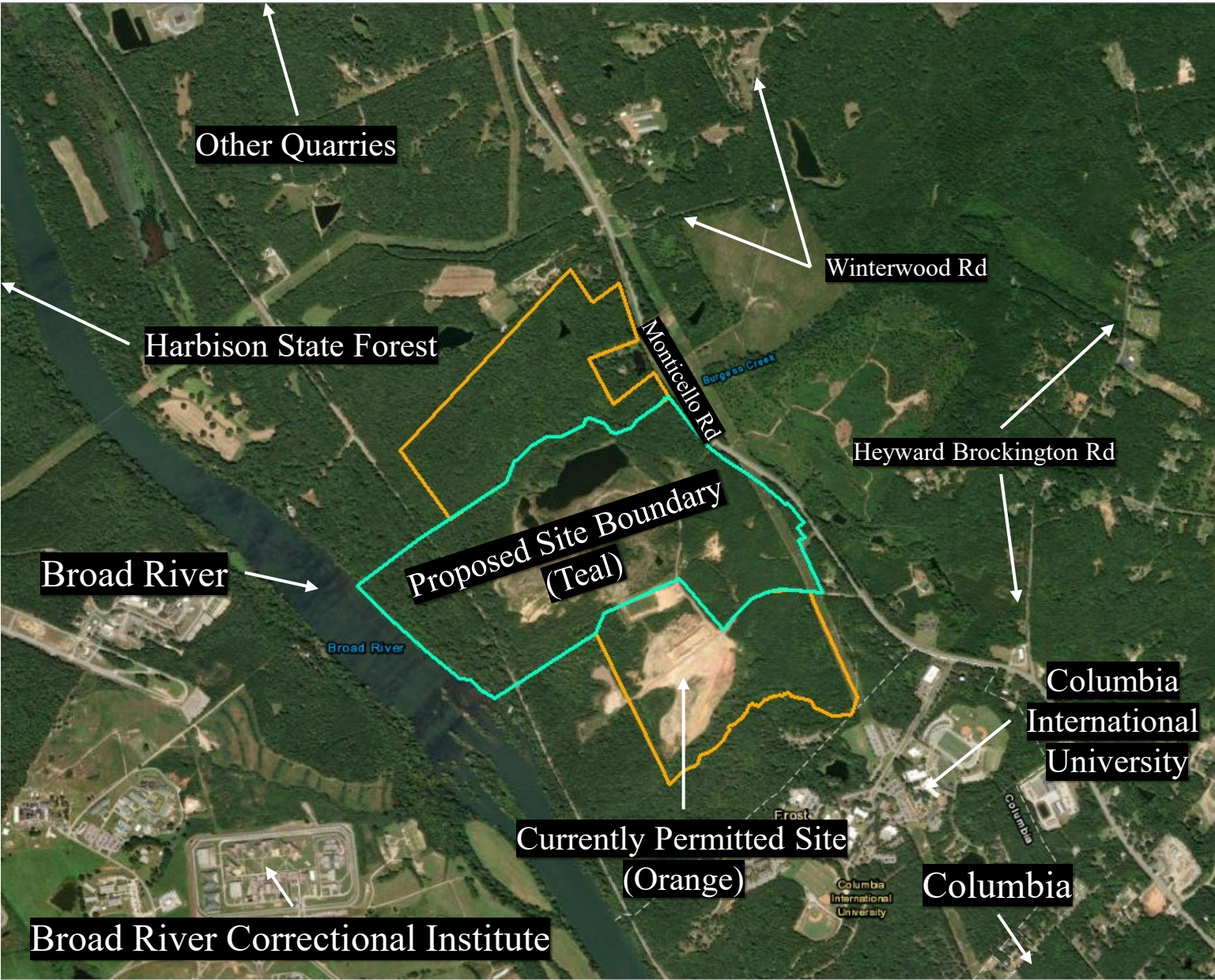


T i m e l i n e



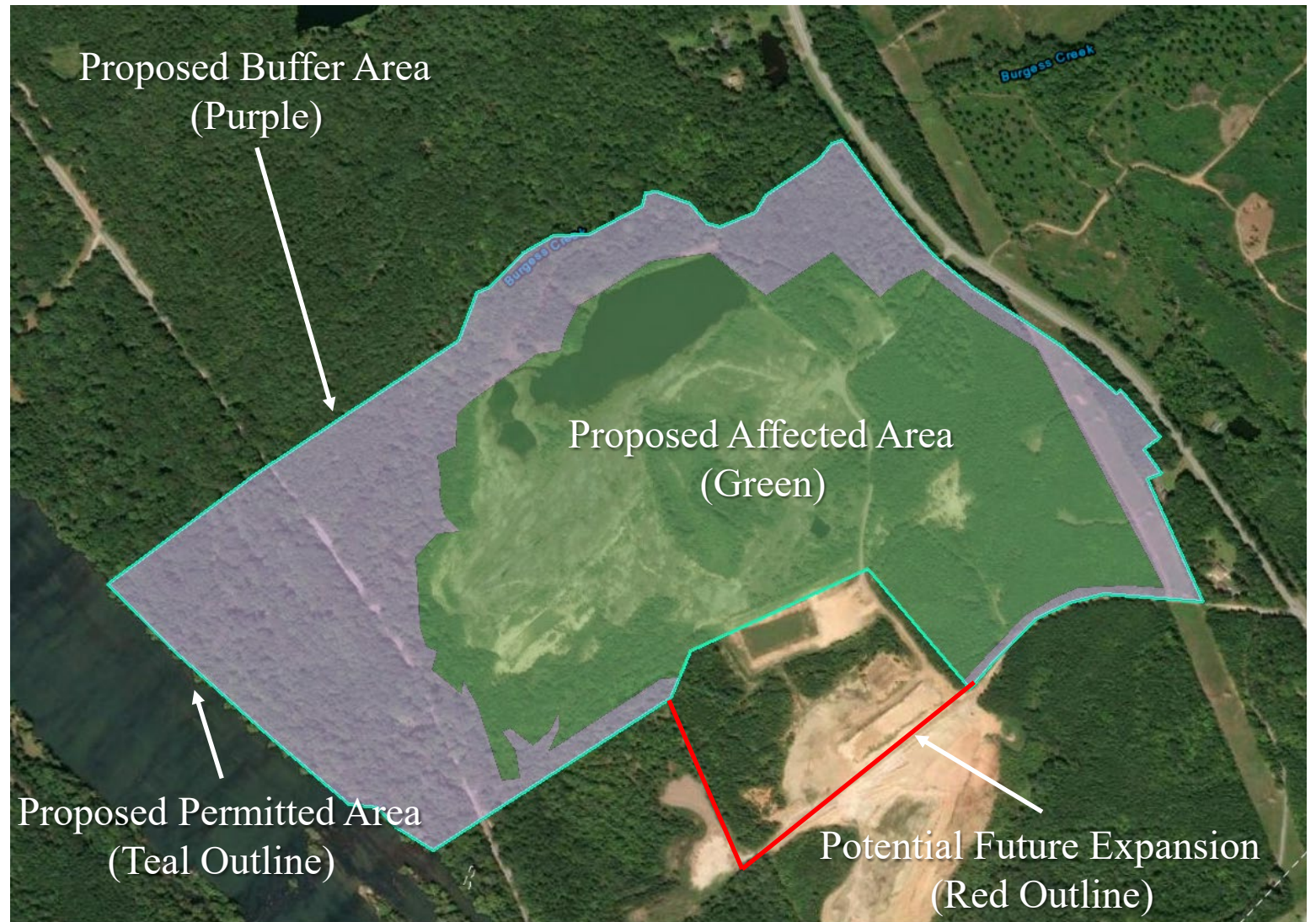
Site History

- TMS#: R07700-01-05
- Total Area: 241.9 acres
- Current Land Use:
 - Manning Mine
 - Permitted Mine Site



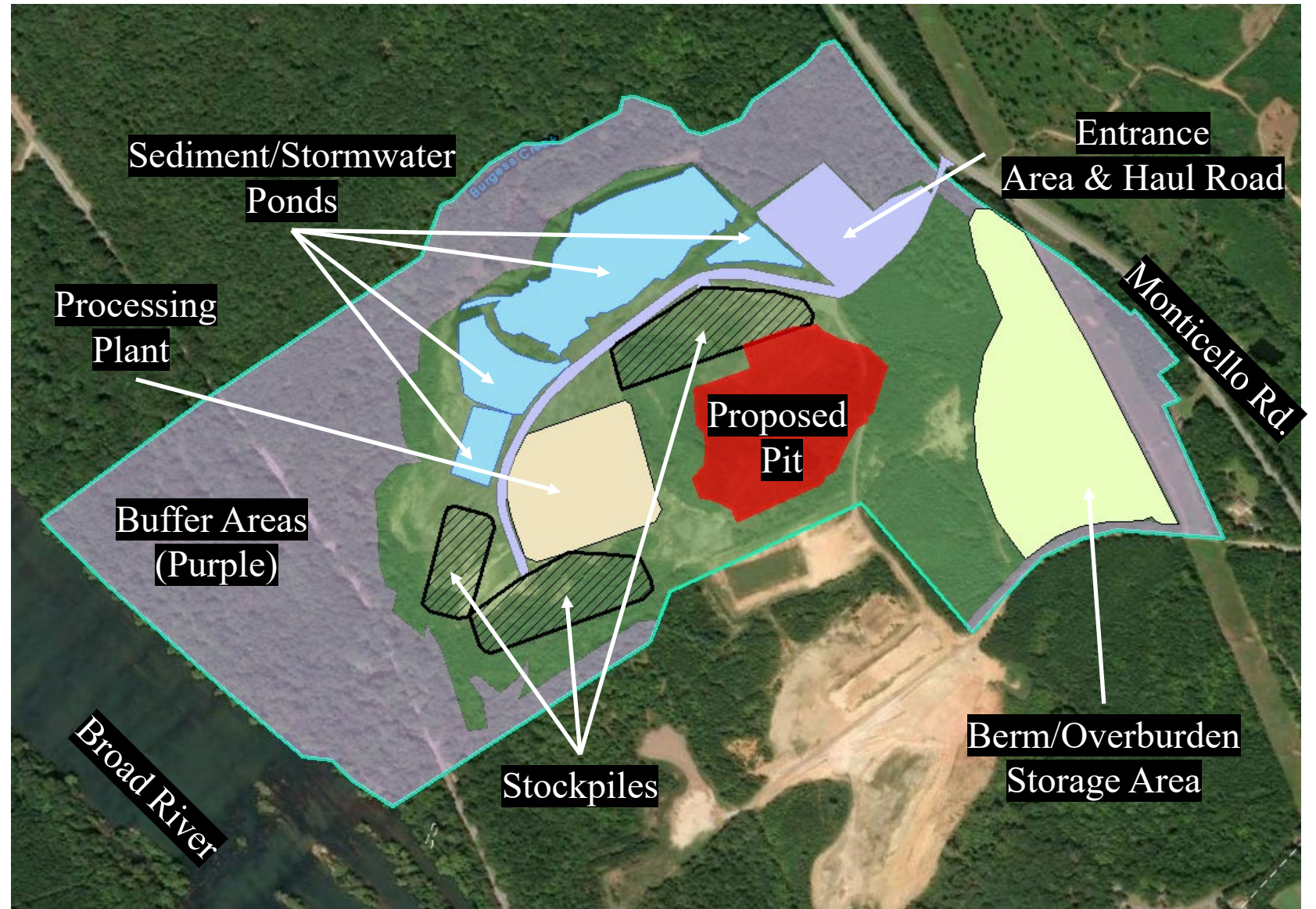
Proposed Site

- Total Area: 241.9ac
- Affected Area: 144.5ac
- Buffer: 97.4ac
- Future Reserves: 0.0ac



Proposed Permitted Area

- Total Area: 241.9ac
- Affected Area: 144.5ac
- Buffer: 97.4ac
- Future Reserves: 0.0ac



Proposed Mining Process

- Installation of Best Management Practices (BMPs)
- Clearing of trees and vegetation
- Topsoil removed and stockpiled for future reclamation



Silt fence



Brush Barrier



Stormwater Basin



Water Truck



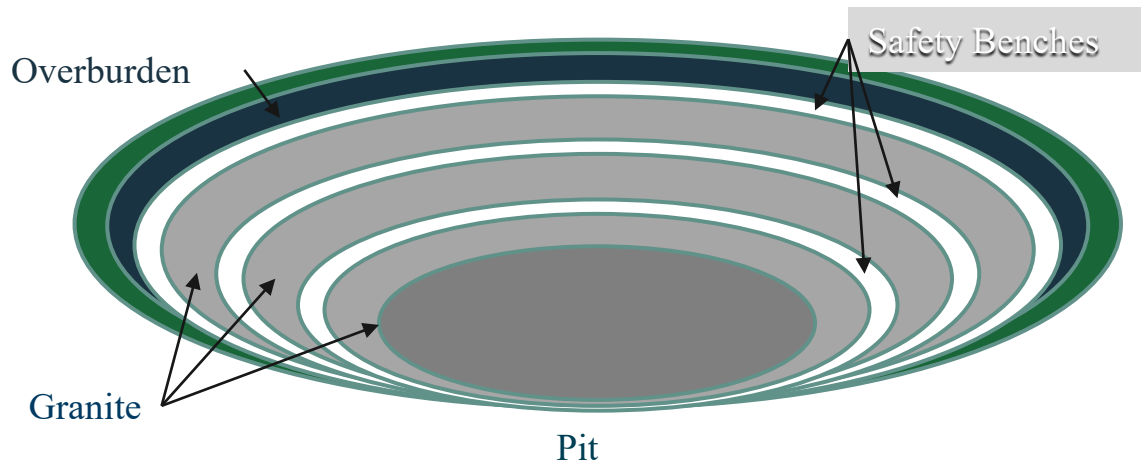
Check Dams

Proposed Mining Process

- Overburden stockpiled and reclaimed as soon as feasible
- Pit developed and dewatered, as needed
- Granite processed and stockpiled in plant area



Reclaimed Overburden Stockpile



Granite Quarry Pit

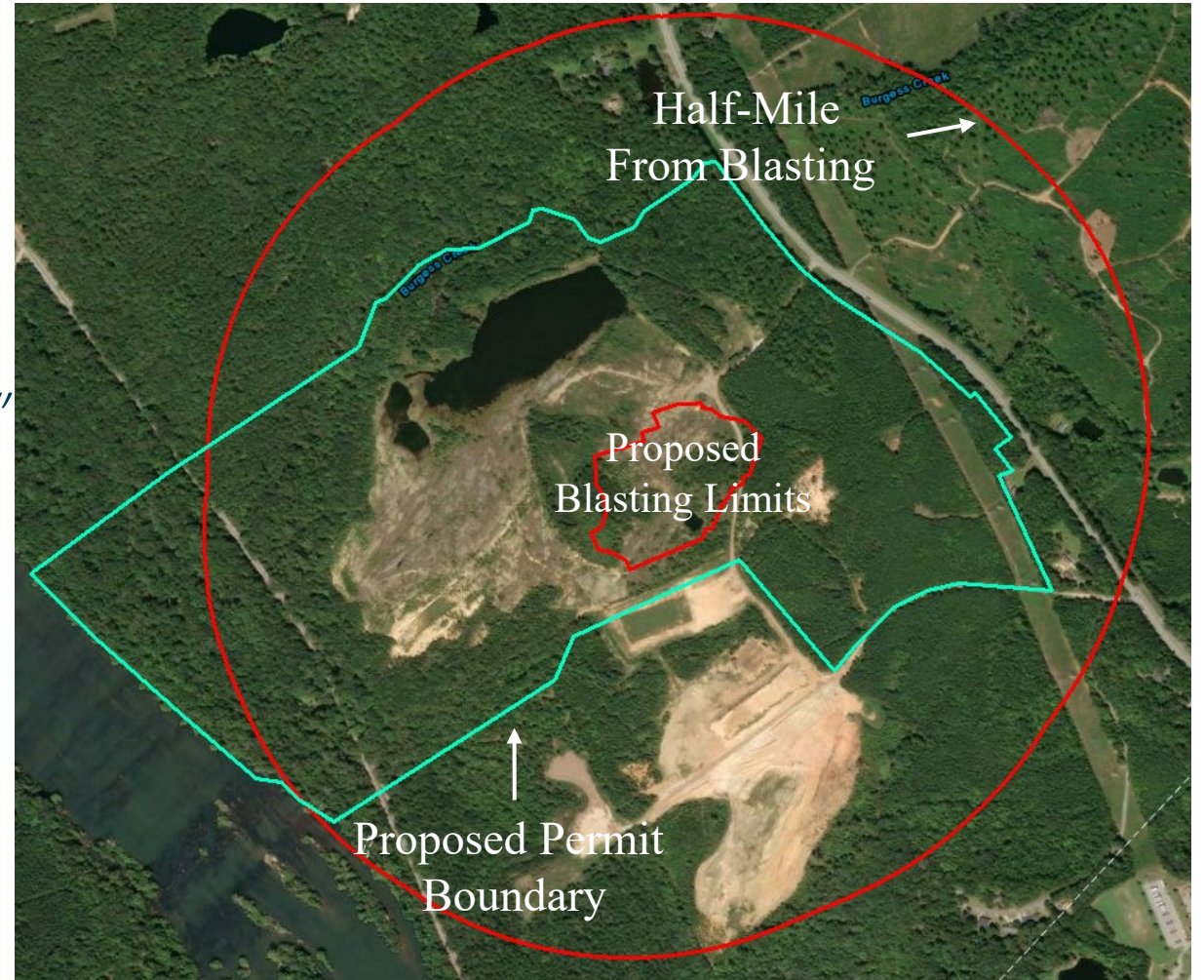


Proposed Mining Process

- Maximum Proposed Depth: 150ft below ground surface
- Applicant Requests Permission to Blast
 - Landowners with structures within one-half mile of blasting will be offered a pre-blast survey

Blasting

- Typically, 2-4 times per month
- *"...a safe particle velocity maximum of 2.0in/sec is recommended for all houses."*
 - U.S. Bureau of Mines
- SCDES limits maximum velocity to 1.0in/sec



Reclamation

Reclamation is the planned process for restoring the affected land to a useful purpose while protecting natural resources of the surrounding area.

- Reclamation Plan included in application
 - Will be reclaimed to lake/pond and grasslands
 - Land will be sloped and graded during the mining process
 - Stockpiled topsoil will be used to grow vegetation
- Financial assurance is required prior to permit issuance to ensure that reclamation is completed.

Reclamation



Other SCDES Requirements

- Bureau of Air Quality
 - Synthetic Minor Construction Permit
- Bureau of Water
 - National Pollution Discharge Elimination System (NPDES)
General Permit for Non-Metal Mineral Mining
 - Stormwater Pollution Prevention Plan (SWPPP)

Other Concerns

- Truck Traffic
 - SC DOT District #1: 803-737-6660
 - SC Public Service Commission District #6: Justin T. Williams– 803-896-5100
 - Richland County Public Works: Michael Maloney – 803-576-2400


- Property Value/Zoning
 - Richland County Planning & Development Services: Synithia Williams – 803-576-2190

Other Agency Notifications


- MSHA – Mine Safety and Health Administration
- USFWS – U.S. Fish & Wildlife Service
- SCDNR – S.C. Department of Natural Resources
- SHPO – State Historic Preservation Office
- SCDOT – S.C. Department of Transportation
- County Administrator

Next Steps

SCDES will review all comments received and conclude the technical review of the application package.



SCDES will make a final permitting decision and provide notification and a written response to all comments to everyone on the mailing list.



SCDES's decision will be posted on the webpage for this site



Final decision date begins 30-day appeal period.



SC DEPARTMENT *of*
**ENVIRONMENTAL
SERVICES**

Get in touch

Colby Myers, G.I.T. // Project Manager – Mining & Reclamation
Program

Colby.Myers@des.sc.gov

803.898.3079

des.sc.gov



@SouthCarolinaDES

des.sc.gov/ManningQuarry



Air Permitting Presentation





SC DEPARTMENT *of*
**ENVIRONMENTAL
SERVICES**

Heidelberg Materials Southeast Agg LLC– Manning Quarry Draft Synthetic Minor Air Construction Permit Bureau of Air Quality

March 19, 2026

Project Overview

Granite Processing Plant

- Crushers
- Screens
- Conveyors

Additional Sources of Dust

- Plant Haul Roads
- Customer Haul Roads
- Storage Piles

Processing Plant Example



<https://www.metso.com/aggregates/solutions/quarries/>

Draft Air Construction Permit

Primary Pollutant: particulate matter (dust)

Permit compliance demonstration includes minimization and control of dust

Weekly recorded inspection of water spray systems to ensure proper operation and dust control

Potential (worst case) emissions with wet suppression (the controlled emissions) are below major thresholds

Particulate Matter

Mixture of solid particles and liquid droplets

PM₁₀: Inhalable particles, with diameters 10 microns (μm) and smaller

PM_{2.5}: Fine inhalable particles, with diameters 2.5 μm and smaller

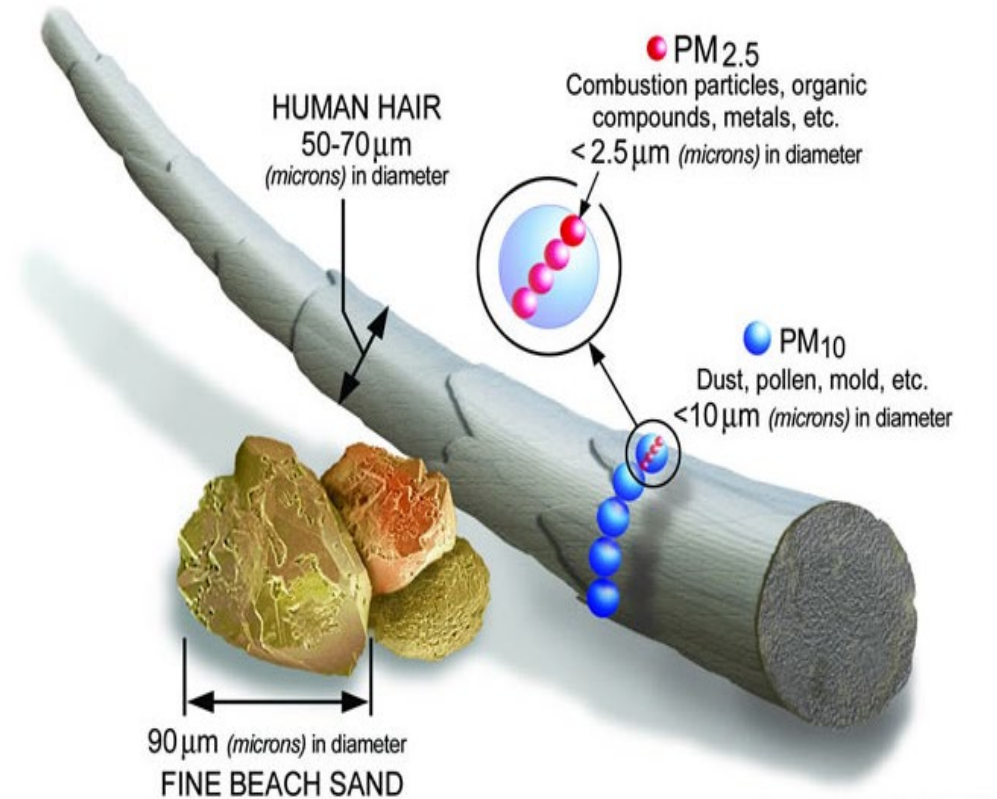
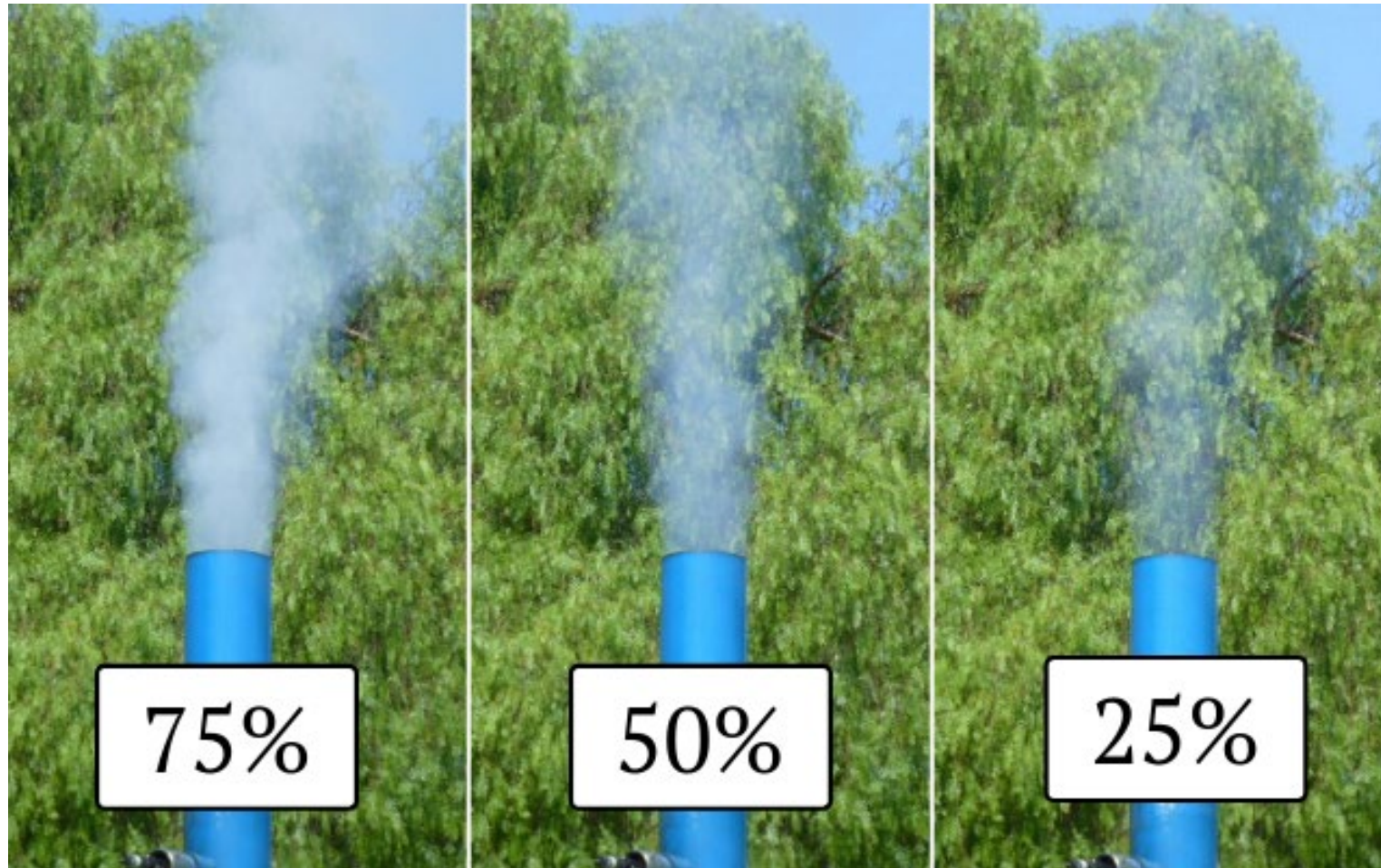


Image courtesy of the U.S. EPA

Opacity Limits

- Required to test equipment for compliance with opacity limits
 - 7% opacity limit for screens and conveyors
 - 12% opacity limit for crushers
- 20% facility-wide opacity limit (includes dust from process equipment, storage piles, and on-site truck traffic)

Simulated Opacities Example



Air Quality Analysis

Air Pollutant	Max Facility Predicted Concentration ($\mu\text{g}/\text{m}^3$)	Location Background Concentration ($\mu\text{g}/\text{m}^3$)	Total Concentration ($\mu\text{g}/\text{m}^3$)	State/Federal Standard ($\mu\text{g}/\text{m}^3$)	Meets Standard?
PM ₁₀ 24-hr	111.7	37	149	150	Yes
PM _{2.5} 24-hr	20.0	11.4	31	35	Yes
PM _{2.5} Annual	4.7	6.8	12	12	Yes

The total concentration (facility predicted + background) is below the National Ambient Air Quality Standard for each pollutant.

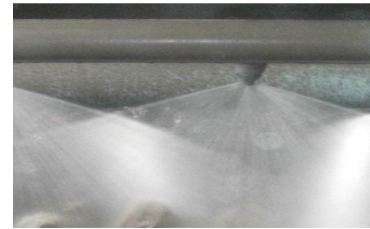
Onsite Dust Control



Dust control plan to be submitted prior to operation



Addresses onsite truck traffic, storage piles, and process equipment



Crusher, screens, and conveyors equipped with a water spray system



Onsite truck traffic dust is controlled by water trucks

Process Emissions

- PM, PM₁₀, PM_{2.5} are the regulated pollutants for the process equipment
- Crusher, Screen, and Conveyors produce these dust emissions
- Process emissions are calculated using EPA approved emission factors from AP-42
- All process equipment is required to be controlled by wet suppression to comply with State and Federally enforceable regulations
- Fugitive Dust Control Plan requires O&M checks, plan for material spillage, as well as a plan for opacity problems.

Draft Synthetic Minor Air Construction Permit

State and Federal Regulations are established to be protective of the environment and public health

Recordkeeping, reporting and/or testing requirements to demonstrate compliance

Restricts emissions to less than 250.0 tons per year (tpy) of PM and less than 100.0 tpy of PM₁₀ and PM_{2.5} to avoid major source thresholds

Next Steps In BAQ Process



Public comment period ends on April 3, 2026



Make a final decision and provide a written response to comments



30-day period from final decision date to appeal the permit decision to the ALC

How to Provide Comments



Recorded comments at tonight's public hearing



Email

AirPNComments@des.sc.gov



By US Mail:

SCDES Bureau of Air Quality,
2600 Bull St
Columbia, SC 29201



ePermitting Portal
"Heidelberg"

Written Comments may be submitted until Friday, April 3, 2026

Submitting Public Comments



Comments can be submitted through April 3, 2026, via web at <https://des.sc.gov/community/community-engagement/environmental-public-notice>



Search “Heidelberg” under “Site Name Field”

ePermitting Link

← ↻ 🏠 <https://des.sc.gov/community/community-engagement/environmental-public-notice> 🔍 ⌵ ⌵ ⌵

SC.GOV AGENCY LISTING ONLINE SERVICES

SC DEPARTMENT of ENVIRONMENTAL SERVICES Programs Community Business Permits & Regulations Data & Tools About SCDES

Environmental Public Notices

Home > Community > Community Engagement > Environmental Public Notices

Are you interested in attending an upcoming public hearing or meeting about a permit application under consideration by SCDES staff? To find public meeting dates and details, simply search our interactive public notice directory. You can [search by county](#), project name, or SCDES program.

You can also use our [interactive mapping application](#) to learn about public notices. Simply select the map, use your current location, or enter an address to find information about public notices near you or your area of interest.

SEARCH BY GIS LOCATION


SEE LATEST PUBLIC NOTICES

Please note: All permit applications for activities within 401 Water Quality Certification, Air, Agriculture, Construction in Navigable Waters, Groundwater Withdrawal, Mining, Solid Waste, Stormwater, BCM's Critical Areas, Coastal Zone Consistency-Stormwater and Wastewater-NPDES, General NPDES Permits, and ND Permits will be placed on public notice at the following website: <https://epermweb.dhec.sc.gov/ncore/external/publicnotice/search>.

Activities related to BCM's Coastal Zone Consistency requests for program areas other than Stormwater will continue to be placed on public notice on this site until further notice.

🇺🇸 EN ^

Submitting a Comment

Type	Reference Number(s)	Site	Contact Name	County Coverage	Start Date	End Date	Program Area	
<input type="text" value="▼"/>	<input type="text" value="▼"/>	<input type="text" value="Heidelt x"/>	<input type="text" value="▼"/>	<input type="text" value="▼"/>			<input type="text" value="▼"/>	
Public Notice - Draft Permit, Public Meeting and Public Hearing	Submission Number: HQG-1PXZ-WHYKK Permit Number: CP-50000372 v1.0	Heidelberg Materials Southeast Agg LLC - Manning Quarry  7900 Monticello Road Columbia, SC 29203		Richland	02/05/2026	03/24/2026	Air	<input type="button" value="View / Submit Comment"/>



SC DEPARTMENT *of*
**ENVIRONMENTAL
SERVICES**

Get in touch

Nick Hoehn // Engineering Associate

Nick.Hoehn@des.sc.gov

803.898.3829

Madeline Florek, P.E. // Section Manager

Madeline.Florek@des.sc.gov

803.898.4021

Steve McCaslin, P.E. // Air Permitting Director

Steve.McCaslin@des.sc.gov

803.898.3869

@SouthCarolinaDES



SCDES Staff



Bureau of Land & Waste Management
Division of Mining & Solid Waste Management

Marty Lindler Division Director

Jeremy Eddy, P.G. Program Manager

Colby Myers, G.I.T. Project Manager



Bureau of Air Quality
Air Permitting Division

Steve McCaslin, P.E. Division Director

Madeline Florek, P.E. Section Manager

Nick Hoehn Permit Writer



Bureau of Water
Water Facilities Permitting Division

Kelly Whitlock Division Director

Crystal Rippy Program Manager

Brett Caswell Engineer Associate



Bureau of Regional & Laboratory Services
Columbia Office

Jessica Price Area Director

Timothy Pearson Program Manager

Taylor Stevens Team Lead (Air/Land)

Public Hearing

- No questions will be answered during the public hearing.
- Comments should be less than 3 minutes for individuals or 5 minutes for officials/groups.
- Be respectful to speakers.
- Do not interrupt others or ask others to respond to your comments.

More information on this project may be found at des.sc.gov/ManningQuarry

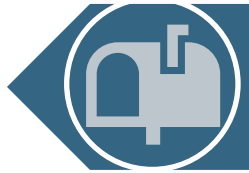
How to Provide Comments:



Recorded comments at
tonight's public hearing



Email Mining & Reclamation: Colby.Myers@des.sc.gov



By US Mail: 2600 Bull St. Columbia, S.C. 29201



des.sc.gov/ManningQuarry

Public Comments Accepted Until End of Day April 3, 2026