DON’T WAIT UNTIL IT’S TOO LATE.

Vaccination is the best way to protect you, your family and your community.

COVID-19 Vaccine Information Line
1-866-365-8110

www.scdhec.gov/vaxfacts
Dominion Wateree Draft NPDES Permit Reissuance
PUBLIC MEETING & PUBLIC HEARING

To avoid echoing or feedback, all lines are muted.

At the end of the presentation, we will unmute and call upon those who would like to speak.

This virtual meeting will be recorded and posted on our webpage.
Option to Call In

If you are experiencing audio problems, join the virtual hearing by phone:

Phone number: 1 (864) 558-7311
Access Code: 267 519 227#

Exits the hearing. (If you accidentally exit the hearing, you can rejoin.)
AGENDA

• Gathering Time
• Opening Remarks
• Presentation
• Public Meeting Q&A
• Convene Public Hearing
• Public Comments
• Closing Remarks
• Hearing Adjourned
South Carolina Department of Health and Environmental Control

Dominion Energy
Wateree Station

August 17, 2021
Wastewater Discharge Permit

• Known as “NPDES Permit”
• Wastewater discharges to creeks and rivers
• NPDES permits are required by law
• Protects water quality of receiving stream
Discharge Location
Wastewater Sources

• Cooling water
Intake Canal
Intake Canal
Cooling Towers
Intake Canal
Polishing Pond
Wastewater Sources

- Cooling water
- Coal ash handling
Former Ash Pond 1

Ash Dewatering Equipment

“New” Wastewater Pond

Former Ash Pond 1
Wastewater Sources

• Cooling water
• Coal ash handling
• Onsite landfill
Wastewater Sources

• Cooling water
• Coal ash handling
• Onsite landfill
• Flue Gas Desulfurization (FGD) device
FGD Ponds
Wastewater Sources

- Cooling water
- Coal ash handling
- Onsite landfill
- Flue Gas Desulfurization (FGD) device
- Coal Pile stormwater runoff
Wastewater Sources

• Cooling water
• Coal ash handling
• Onsite landfill
• Flue Gas Desulfurization (FGD) device
• Coal Pile stormwater runoff
• Other miscellaneous wastewaters
Significant Changes

• Closure of Ash Pond 1
• Ash Wastewater Management
• Discharge Flow Volume
  • Previous Permit - 6 to 7 million gallons per day
  • This Draft Permit - 2.5 million gallons per day
Draft NPDES Permit
Discharge to Wateree River

• Limits for the following:
  • Total Suspended Solids
  • Oil and Grease
  • pH (measure of acidity)

• Monitoring for the following:
  • Flow, ammonia, mercury, phosphorus, bromide, and temperature
Draft NPDES Permit
Internal Monitoring

• Cooling Water
  • Monitoring for flow
  • Limits on chlorine, chromium and zinc

• Landfill Wastewater and Stormwater
  • Monitoring for flow
Draft NPDES Permit
Internal Monitoring (cont.)

• FGD Wastewater
  • Monitoring for flow
  • Limits on arsenic, mercury, selenium, nitrate/nitrite, bromide, and total dissolved solids
  • Effective December 31, 2028

• Ash Wastewater
  • Limit on flow
  • Effective January 1, 2025
Draft NPDES Permit
Internal Monitoring (cont.)

• Internal Boiler Tube Rinse Water
  • Monitoring for flow
  • Limits on copper and iron
Draft NPDES Permit
Groundwater Monitoring

- Arsenic
- Lead
- Chromium
- Cadmium
- Sulfate
- Copper
- Iron
- Mercury
- Nickel
- Selenium
- Zinc
- Chloride
- Nitrate
- Turbidity
- pH
- Conductivity
- Depth
- Elevation
Draft NPDES Permit
Other Requirements

• Cooling Water Intake requirements
• Mercury Minimization
• Semi-annual Wateree River sampling for arsenic and nickel
Next Steps

• Public comment period ends September 17, 2021.
• DHEC will review and consider all comments.
• Final permit decision possible by the end of the year.
• If issued, the permit would be for five years.
Additional Information

www.scdhec.gov/DominionWateree
CONTACT US

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Industrial Wastewater Permitting
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thompsgr@dhec.sc.gov
How to Comment

To indicate you would like to comment:

- Unmute your line
- Click the ‘Hand Raise’ icon

Hand Raise (click this icon to indicate you would like to speak)
Muted (no one in the meeting can hear you)
Unmuted (everyone in the meeting can hear you)
If you have called into the meeting, press *6 to unmute