

How to Add “Air - Operating Ranges” in SCDES ePermitting

This ePermitting form is used to submit newly established operating ranges or to modify previously established operating ranges for the permitted air pollution control devices.

Under your ePermitting “Dashboard”, find the “As Needed” tab. Open the “As Needed” tab, and find the “Air – Operating Ranges” form. Select “Begin Form Entry”.

Air - Operating Ranges

VERSION 3.5

INSTRUCTIONS

This form should be used to submit operating ranges(s) used for determining compliance as outlined in your permit.

A copy of all submitted ranges and documentation on how they were developed shall be kept on site and made available for review.

If you have any questions while filling out this form, please contact the Bureau of Air Quality.



Begin Form Entry

CONTACT INFORMATION

Main Address

Air Permitting Division Director
Bureau of Air Quality
2600 Bull Street
Columbia, South Carolina 29201

CONTACTS

Air Permitting Division:
airpermitting@des.sc.gov
ePermitting Help:
baq_epermitting@des.sc.gov
Permit Writer on Call:
803 898-4123

ADDITIONAL LINKS

[Air Guidance and Tools](#)
[BAQ Permitting: Contacts for Industry Sectors](#)
[Electronic Certifier Agreements](#)

Verify the “Site Name” and “Permit Number” match your records. Select “Next Section”.

● Permit Information

○ Operating Ranges Information

○ Signatory Authority

○ Review

○ Signing

Permit Information

CLEAR SECTION

🔔 A copy of all submitted ranges and documentation on how they were developed shall be kept on site and made available for review.

Site Name

None Specified

Permit Number

None Specified

⬇️ NEXT SECTION

Operating Ranges Information

Operating Range Information – From this page the option to “Add Ranges” or “Modify Existing Ranges” should be selected.

- Add Ranges – Enter a proposed operating range for a new control device.
- Modify Existing Ranges – An operating range for the control device has already been established, but you want to change the range to reflect changes in the process, stack testing changed the operating range, or other reasons for an updated range.

Fill out the information, as listed in your permit for the control device. Include the Control Device ID, as listed in your permit. List the control device type. List the applicable regulations mentioned in your permit, this information can be found in the conditions discussing the pollutants and control device you are establishing an operating range for. If you are unsure, please reach out to your permit writer for further clarification.

Control Device ID (as listed in permit)

BH1

Control Device Type (e.g. Baghouse, ESP, Thermal Oxidizer, Flare, Wet Scrubber)

Baghouse

Applicable Regulation/Standard/Permit Condition

Std. 4/C.4

Control Device Ranges Per Pollutant

When downloading excel file, you can refer to reference tab for instructions. Some fields have drop down options and those are the only options allowed. Do not reorder columns or change the Column Header Name.

> Next Error Upload Download + Add - Delete Fullscreen

Row ...	Pollutant(s) Controlled	Parameters Monitored	Type of Monitoring Sys...	Operating Range
1	Particulate Matter [PM]	Pressure Drop	Magnehelic gauge	2.0 - 5.0 inches w.c.

Control Device Ranges Per Pollutant

- The Control Device may control multiple pollutants. Select "Add" to include additional rows for each pollutant.
- **Pollutant(s) Controlled:** Select the drop-down menu to choose what pollutants are being monitored for.
- **Parameter(s) Monitored:** Fill in the text box with what measurement the control system on the control device uses for monitoring functionality. (e.g.: pressure drop, flow rate, pH, etc.)
- **Type of Monitoring System:** Fill in the text box with what gauge or continuous monitoring system is being used to measure the operating range.
- **Operating Range:** Fill in the text box with the values of the operating range you are establishing. Be sure to include the units of measurement (e.g.: inches of w.c., gallons per minute, etc.)

Operating Ranges ⓘ

Version HQD-2EX1-24F4C

Revision 1

Form Version 3.3

Permit Information

Operating Ranges Information ⓘ

Signatory Authority

Review

Signing

Explain the basis for how the operational ranges were determined. Operational ranges typically are derived from vendor certification, source test data, operational history, or engineering calculations. Other methods may be used to establish operational ranges, but approval will be on a case-by-case basis. The permit may require a specific method for determining the range. For example, a minimum operating temperature may be established based on the latest compliant stack test. Be as detailed as possible in the explanation. If engineering calculations are cited, please include the calculations and justify using historical operating data, summarize the data as succinctly as possible; include operating ranges under normal operating conditions and a justification for any request to change the range outside that historical normal operating range.

Method of Range Determination ⓘ

Method of Range Determination Supporting Documentation ⓘ

Please be aware that files exceeding 500 MB in size are not allowed

Drop files here to upload

OR

CHOOSE FILE

Comment

Method of Range Determination: Include a written statement describing how the operating range was established. Please note that the permit and/or regulation may require a specific method to determine the established operating range. (e.g.: stack testing demonstrating compliance with emissions limits to then set the operating range of the control device)

Be sure to include supporting documentation to support the range establishment.

Signatory Authority

ⓘ

range. For example, a minimum operating temperature may be established based on the latest compliant stack test. Be as detailed as possible in the explanation. If engineering calculations are cited, please include the calculations and justification. If using historical operating data, summarize the data as succinctly as possible; include operating ranges under normal operating conditions and a justification for any request to change the range outside that historical normal operating range.

Method of Range Determination

Stack test - May 2026.

Method of Range Determination Supporting Documentation ⓘ

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Drop files here to upload

OR

CHOOSE FILE

Comment

DUPLICATE CONTROL DEVICE: BH1 - BAGHOUSE

ADD NEW OPERATING RANGES INFORMATION

If more than one operating range needs to be “Added” or “Modified”, select “Add New Operating Ranges Information”. Fill out the form the same as before.

Method of Range Determination

Stack test - May 2026.

Method of Range Determination Supporting Documentation

Please be aware that files exceeding 500 MB in size are not allowed

Drop files here to upload

OR

CHOOSE FILE

Comment

DUPLICATE CONTROL DEVICE: BHT - BAGHOUSE

ADD NEW OPERATING RANGES INFORMATION

Once all the operating ranges have been filled out and the documents attached for each control device, the form is ready to be signed. Select “Signatory Authority”.

Signatory Authority

Review

Signing

conditions and a justification for any request to change the range outside that historical normal operating range.

Method of Range Determination

Source test data - Test took place on SCR on July 1, 2026. Tested in compliance with POM emission rates per Condition C.15 in the Title V permit. The operating ranges during the test was 200 - 400 gpm, establishing the compliant operating range.

Method of Range Determination Supporting Documentation

Please be aware that files exceeding 500 MB in size are not allowed

Drop files here to upload

OR

CHOOSE FILE

Comment

DUPLICATE CONTROL DEVICE: SCR1 - WET SCRUBBER

ADD NEW OPERATING RANGES INFORMATION

NEXT SECTION Signatory Authority

Indicate whether your issued permit is a Title V permit.

https://epermitting.des.sc.gov/int/nform/app/#/submissionwizard/fc682c6d-3716-41aa-b506-d9cd7e7a1155/2

SC DES

Air - Operating Ranges ⓘ

Submission HQQ-2EX1-24F4C Revision 1 Form Version 3.3

Permit Information

Operating Ranges Information 2

Signatory Authority

Review

Signing

PREVIOUS SECTION
Operating Ranges Information

Signatory Authority

* Do you currently operate under a Title V Operating Permit?

☐ Yes

☒ No

* Additional Contact(s)?

☐ Yes

☐ No

If you are a Title V permit holder, please fill out the contact information for the "Responsible Official". This is the individual who assumes all liability for the truth and accuracy of the submitted information. Select the classification for the "Responsible Official".

2

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Designated Title V Responsible Official Signing Form

* Prefix * First Name

Middle Name * Last Name

* Title

* Phone Type * Phone Number

* Email

* How do you qualify as a Title V Responsible Official?

☒ President, secretary, treasurer, vice-president, or duly authorized representative in charge of a principal business function, or any other person who performs similar policy or decision-making functions.

☐ A duly authorized representative, if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit and The facilities employ more than 250 persons or have gross annual sales or expenditures exceeding \$25 million (in second quarter 1980 dollars).

☐ A duly authorized representative, if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit and The delegation of authority to such representative is approved in advance by the Department (Air Quality).

☐ For a municipality, state, federal, or other public agency; either principal executive officer or ranking elected official. For the purposes of this Part, a principal executive officer of a federal agency includes the chief executive officer having responsibility for the overall operations of a principal geographic unit of the agency (for example, a Regional Administrator of EPA).

* Additional Contact(s)?

☐ Yes

☐ No

If you are not a Title V facility, the owner/operator contact info should be included.

SC DES

Air - Operating Ranges ⓘ

Submission HQG-2EX1-24F4C Revision 1 Form Version 3.3

Permit Information

Operating Ranges Information ⓘ

Signatory Authority

Review

Signing

No

The information in this section should be for the Owner or Operator signing this form on behalf of the company.

The owner or operator is any person who owns, leases, operates, controls, or supervises a source of air emissions.

For personnel authorized to sign documents for a facility, an approved Certifier Agreement needs to be on file for each person design authority. You can find instructions how to submit an electronic signature agreement here. Additional ePermitting training can be found on the training page and the Air Quality ePermitting training page.

Owner or Operator

* Prefix * First Name

Middle Name * Last Name

* Title

* Phone Type * Phone Number

ADD PHONE

* Email

* Additional Contact(s)?

Select "Next- Review". Review the information within the form for completeness and accuracy.

SC DES

Air - Operating Ranges ⓘ

Submission HQG-2EX1-24F4C Revision 1 Form Version 3.3

Permit Information

Operating Ranges Information ⓘ

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Review

Signing

1	Polycyclic Organic Matter	Flow Rate	Parametric	200 - 400 gpm
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Method of Range Determination

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Method of Range Determination Supporting Documentation

No files uploaded

Comment

None Specified

After reviewing the information and making edits, if needed, select “Next – Signing”.

The screenshot shows a sidebar on the left with a progress indicator. The steps are: 'Operating Ranges Information' (marked with a red 'x'), 'Signatory Authority' (marked with a red 'x'), 'Review' (marked with a green checkmark), and 'Signing' (marked with a black dot). The main content area is titled 'Signing'. It contains a light blue box with the text: 'As an internal user, you may skip the signing process and proceed with submission if you choose.' and a 'SKIP SIGNING' button. Below this is a section titled '1 Choose Signers'. It asks 'Who will be signing this form?' and has two radio button options: 'Me' (which is circled in orange) and 'Someone else'. There is also a 'Finish Later' link.

If you are the “Responsible Official” or the “Owner/Operator” assuming liability, then click “Me” for signing. If you are neither of these individuals, select “Someone else”.

The screenshot shows the '2 Invite a Signer' step. It asks 'Who will be signing this form?' and has two radio button options: 'Me' and 'Someone else' (which is selected). Below this is a section titled '2 Invite a Signer'. It contains the text: 'Please fill in information for the user who will need to sign. When you finish this process, they will each be sent an email invitation to sign the form.' There are two input fields: 'Email' and 'Signing Instructions (optional)'. The 'Email' field has a red asterisk indicating a required field. The 'Signing Instructions (optional)' field is circled in orange. Below the input fields is a red error message box that says: 'There are one or more areas of the form that have not been fully completed. In order to submit this form, please revisit the section(s) marked with errors, and correct any missing or invalid fields.' At the bottom left, there is a 'NEXT' button and a 'Finish Later' link. The Windows taskbar is visible at the bottom of the screen.

A secondary field will appear to invite a "Signer". Fill out the information with the email address of the individual intended to sign as the "Responsible Official" or the "Owner/Operator".

Select "Next". A new window will appear, select "Certify & Submit". The "Air – Operating Ranges" form is now complete.

You can access this form through your ePermitting Dashboard by finding the "In Process" tab. Please contact your air agency contact or compliance manager contact for additional assistance.