

Air Permitting - Construction Permit (Modification)

version 2.10

(Submission #: HQ9-G2JK-8B6F7, version 1)

Digitally signed by:
ePermitting
Date: 2025.01.16 14:00:12 -05:00
Reason: Submission Data
Location: Columbia, South Carolina



Details

Submission ID HQ9-G2JK-8B6F7

Form Input

Facility Information

Will this modification change emissions?

No

Will this modification change an emission point or emission points?

No

Air Permit Number

CP-50000061

If the facility site name or physical address listed below has changed and needs to be updated, please complete and submit form "Air Permitting - Facility Information Update".

Site Name

New-Indy Catawba LLC

Facility Federal Tax Identification Number

83-1904423

Facility Physical Address

5300 Cureton Ferry Road

Catawba, SC 29704

County

York

Facility Physical Location

34.8446,-80.8931

5300 Cureton Ferry Road, Catawba, SC

On the Google map in the Search by name or address field, type in the address. If address does not work, use the name of facility. Once pin icon finds the location, verify the pin is at the correct location. The pin should be located at the center location of all permitted devices. If not, use the mouse and move the pin to a more precise location. The longitude and latitude coordinates will adjust accordingly as you move the pin icon. To help, you can change the map view to a satellite view. The plus (+) and minus (-) buttons help to zoom in and zoom out your view.

For the facilities whose address is not in close proximity of their facility, find the closest street or crossing streets. Use your mouse on the Google map to move locator arrow on map to drop red marker closest to the center of the facilities processes. The facility building can be pending construction or existing.

FACILITY'S PRODUCTS / SERVICES

Primary Products / Services	Primary SIC Code	Primary NAICS Code
Linerboard/Pulp Manufacturing	2631-Paperboard Mills	322130-Paperboard Mills

Project Description

Condition B.25 of construction permit CP-0000061 v1.0 calls for 90 days of SO2 emissions data collection after existing LVHCs are introduced into No.3 Recovery Furnace and that this period of data collection be satisfied before the start-up of the new stripper [i.e. before combusting existing LVHC gases and stripper rectified liquid (SRL)]. Given the progress New-Indy has made on construction of the new stripper, it may be possible to start up this equipment earlier than expected. This would present a situation in which we are ready to route SRL to No.3 Recovery Furnace before the 90-day SO2 data collection period ends. Given the benefits of having the stripper online earlier, New-Indy requests that DES change the requirement in Condition B.25 to **at least 60 operating days** instead of 90 days for data collection while combusting existing LVHCs only and while combusting existing LVHCs and SRL. This would also be consistent with the other 60-day periods in the permit relating to NOx and TRS data collection (Conditions B.24 and B.32). In addition, New-Indy requests that Condition B.38 be revised to "at least 45 days prior to initial startup..." instead of 90 days. New-Indy believes that the benefits of collecting an extra 30 days' worth of data would not outweigh the environmental benefit of having the stripper in operation earlier.

Would you like expedited processing?

No

Do you have existing synthetic minor limits and/or are you requesting to establish new limits or modify existing limits?

No

Do you need to establish or modify any algorithms with this permit?

No

Please select potentially applicable regulations:

State Air Pollution Control Regulations and Standards

Do you have confidential information or data to submit?

No

As an attachment to this form include a narrative with the following information:

1. Description of the facility's proposed new or altered processes;
2. Physical and chemical properties and feed rate of the raw materials used and products made from which the facility determined potential emissions;
3. Process flow diagram / production process layout of all new or altered sources changed showing the flow of materials and intermediate and final products.
4. More detailed explanation of regulatory applicability.

Additional information required to complete the review of this permit application should be submitted as attachments.

Narrative Attachment

[Blank doc.docx - 01/08/2025 02:06 PM](#)

Comment

Please see project description for narrative.

Equipment Information (1 of 1)

Emission Unit ID: `EMISS_UNIT_ID`

Equipment Table Instructions

Be as detailed as possible when filling out **Equipment Description**. The following includes examples of source types and relevant information associated with that source:

External Combustion Sources: Equipment type and usage (e.g. steam generation, process heat, drying, curing, etc.), maximum heat capacity (Million BTU/hr), primary and backup fuel type (e.g. natural gas, fuel oil, coal, etc.), low NOx burners, direct or indirect heating

Stationary Internal Combustion Sources: Equipment type and usage (e.g. emergency generator, fire pump, etc.), output brake/electrical power (hp/kW), fuel type

Liquid Storage Tanks: Tank type (e.g. fixed roof, floating roof, variable vapor pressure, etc.), materials stored, loading source (e.g. pipeline, rail car, process, etc.)

Incinerators: Incinerator type (e.g. rotary kiln, air curtain, single chamber, etc.), primary and secondary waste types (e.g. municipal waste, yard waste, clean wood, etc.), waste charge rate (tons/day or lb/hr), burner capacity (BTU/hr), minimum chamber temperature

Surface Coating Sources: Coating operation type (e.g. large appliances, auto and light duty trucks, paper and other webs, publication printing inks, etc.)

Review applicable regulations to determine additional information that may be required for permitting.

Equipment ID

5105

Action

Modify Existing

Equipment Description

No. 3 NDCE Recovery Furnace

Maximum Design Capacity (Units)

744,600 ton BLS/yr

Emission Point ID(s)

Emission Point ID
5105S

Do you have any Control Devices associated with your Equipment?

Yes

Control Device Instructions

Please add a row with 'Add Row' button if you need to input more than one Control Device.

Inherent, required and voluntary control devices, as used in the table below, are defined as:

Inherent: Consult the EPA Guidance link below. A statement of **Inherent** should be accompanied by a detailed explanation of the determination as an attachment.

Required: Control device is relied-upon or required by regulation, and controlled emissions are used to show compliance with applicable standards and regulations.

Voluntary: Control device is not relied-upon and uncontrolled emissions are used to show compliance with applicable standards and regulations.

[Criteria for Determining Whether Equipment is Air Pollution Control Equipment or Process Equipment](#)

Control Device Table

Control Device ID	Action	Control Device Description	Maximum Design Capacity (include units)	Inherent/ Required/ Voluntary	Emission Point ID(s)
5105C	Existing	ESP	744,600 ton BLS/yr	Required	5105S

Control Device ID	Pollutants Controlled	Capture Efficiency %	Destruction/ Removal Efficiency %
5105C	PM/PM10/PM2.5	100	99
5105C	Other: HAP Metals	100	99

Exempt Equipment

[Bureau of Air Quality Permitting Exemption List](#)

Are any exempt sources being installed with this project?

No

State Air Pollution Control Regulations and Standards (1 of 1)

S.C. Regulation 61-62.1 Air Pollution Control Regulations and Standards - Definitions and General Requirements

Regulation/Standard

S.C. Regulation 61-62.1 Air Pollution Control Regulations and Standards - Definitions and General Requirements

Applicability

Not Applicable

Equipment ID(s)
5105

Explain why the State Regulation does or does not apply.

Condition B.25 of construction permit CP-0000061 v1.0 calls for 90 days of SO₂ emissions data collection after existing LVHCs are introduced into No.3 Recovery Furnace and that this period of data collection be satisfied before the start-up of the new stripper [i.e. before combusting existing LVHC gases and stripper rectified liquid (SRL)]. Given the progress New-Indy has made on construction of the new stripper, it may be possible to start up this equipment earlier than expected. This would present a situation in which we are ready to route SRL to No.3 Recovery Furnace before the 90-day SO₂ data collection period ends. Given the benefits of having the stripper online earlier, New-Indy requests that DES change the requirement in Condition B.25 to **at least 60 operating days** instead of 90 days for data collection while combusting existing LVHCs only and while combusting existing LVHCs and SRL. This would also be consistent with the other 60-day periods in the permit relating to NO_x and TRS data collection (Conditions B.24 and B.32). In addition, New-Indy requests that Condition B.38 be revised to "at least 45 days prior to initial startup..." instead of 90 days. New-Indy believes that the benefits of collecting an extra 30 days' worth of data would not outweigh the environmental benefit of having the stripper in operation earlier.

Provide additional documentation in the attachment field in the Facility Information Section.

Emission Point Data (1 of 1)

5105S Point Source

Emission Point Data

Use this section to enter Emission Point data. To add additional emission points, click the "Add New Emission Point Data" button below.

Reminder: For all Emission Points, list the unique Emission Point ID for that source. Use the same emission point ID as shown in the current permit and provided in the last submittal (as applicable). If the emission point ID has been changed from what was previously submitted, please list the current emission point ID with the old/previous emission point ID in parenthesis

Emission Point Information Instructions

[Emission Point Data Instructions](#)

Emission Point Dispersion Parameters

Source data requirements are based on the appropriate emission point classification. Each Emission Point is classified as a Point, Flare, Area, Area Circular, Area Polygon, Volume, Open Pit, or Line/Buoyant Line source. Contact the Bureau of Air Quality for clarification of data requirements. Include sources on a scaled site map. Also, a picture of area or volume sources would be helpful but is not required (attach below).

Abbreviations / Units of Measure: m = meters; AGL = Above Ground Level; ft = feet; ft/sec = feet per second; F = Degrees Fahrenheit; Btu/hr = British Thermal Units per hour; AQA = Air Quality Analysis

Emission Point Type

Point Source

If a merged (worst-case) stack is used to model combined emissions from a group of stacks, this form should be completed separately for each stack in the group, including the merged (worst-case stack). The merged stack parameter (M) calculations (refer to the South Carolina Modeling Guidelines for Air Quality Permits) should be included in the

Additional Information box below and/or the Air Quality Analysis report.

Provide the following source (stack) dispersion parameters for all non-exempt point sources, such as stacks, chimneys, exhaust fans, and vents. All bypass scenarios should be included.

Emission Point ID

5105S

Description/Name

No. 3 NDCE Recovery Furnace

Please indicate the emission point latitude/longitude by clicking on the location of the emission point on the map below, or by entering the latitude/longitude in the fields below the map. [Note: The emission point location in UTM is required later in this form.]

Emission Point Location

NONE PROVIDED

Easting (m)	Northing (m)
510032.37	3855802.28

Release Height AGL (ft)	Exit Temperature (F)	Modeled Exit Velocity (ft/sec)	Actual Exit Velocity (ft/sec)	Inside Diameter (ft)	Discharge Orientation	Rain Cap?
225	342	61.7	61.7	10.5	Vertical	No

Distance to Nearest Property Boundary (ft)	Building Height (ft)	Building Length (ft)	Building Width (ft)
695	148	170	180

Choose the standard(s) that apply to this Emission Point ID:

Other: Standard 4, 40 CFR 60 Subpart BB, 40 CFR 63 Subpart MM
Standard 7

Emissions provided should be the Maximum 1-hour emission rates. If the modeled rates are averaged over some time period, the averaging technique must be explained in the Air Quality Analysis Report. Also, any differences between the evaluated rates and the permitted rates must be explained.

STANDARD NO. 7 - PSD CLASS II INCREMENT EMISSIONS (LBS/HR)

Emission Point ID	PM10	PM2.5	SO2	NOx
5105S	78.0966	78.0966	792.0768	146.0342

Attach Air Quality Analysis/Report to address compliance with Standards 2, 7, and/or 8.

NONE PROVIDED

Comment

N/A (modeling not required)

Additional information

Condition B.25 of construction permit CP-0000061 v1.0 calls for 90 days of SO2 emissions data collection after existing LVHCs are introduced into No.3 Recovery Furnace and that this period of data collection be satisfied before the start-up of the new stripper [i.e. before combusting existing LVHC gases and stripper rectified liquid (SRL)]. Given the progress New-Indy has made on construction of the new stripper, it may be possible to start up this equipment earlier than expected. This would present a situation in which we are ready to route SRL to No.3 Recovery Furnace before the 90-day SO2 data collection period ends. Given the benefits of having the stripper online earlier, New-Indy requests that DES change the requirement in Condition B.25 to **at least 60 operating days** instead of 90 days for data collection while combusting existing LVHCs only and while combusting existing LVHCs and SRL. This would also be consistent with the other 60-day periods in the permit relating to NOx and TRS data collection (Conditions B.24 and B.32). In addition, New-Indy requests that Condition B.38 be revised to "at least 45 days prior to initial startup..." instead of 90 days. New-Indy believes that the benefits of collecting an extra 30 days' worth of data would not outweigh the environmental benefit of having the stripper in operation earlier.

Contact(s)

The Air Permitting Contact is the person who can answer technical questions about the facility and permit application.

Air Permitting Contact

Prefix

Mr.

First Name	Middle Name	Last Name
Joseph	Catawba	Rogers

Title

Environmental Manager

Phone Type	Number	Extension
Business	8039818206	

Email

glenn.rogers@new-indycb.com

Mailing Address

5300 CURETON FERRY RD

CATAWBA, SC 29704

United States

Is there an additional Air Permitting Contact?

No

Signatory Authority

Owner or Operator signing form

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

Owner or Operator

Prefix

Mr.

First Name	Middle Name	Last Name
Chris	NONE PROVIDED	Loach

Title

Mill Manager

Phone Type	Number	Extension
Business	8039818440	

Email

CHRIS.LOACH@NEW-INDYCB.COM

Mailing Address

PO Box 7

Catawba, SC 29704

PE Requirements

Construction permit applications shall be reviewed, signed, and sealed by a professional engineer registered to practice in the State of South Carolina (except professional engineers employed by the federal government preparing applications for the federal government or other professional engineers exempted from the state registration requirements).

Professional Engineer License/Registration No.

34347

SC Certificate of Authority License No.
6409

Professional Engineer

Prefix

Ms.

First Name

Sheryl

Middle Name

NONE PROVIDED

Last Name

Watkins

Title

Senior Technical Manager

Organization Name

ALL4 LLC

Phone Type

Mobile

Number

3865030266

Extension

Email

swatkins@all4inc.com

PE Seal

NIC PE Cert Submission HW9-G2JK-8B6F7.pdf - 01/16/2025 11:56 AM

Comment

NONE PROVIDED

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.

Owner/Operator

I certify, to the best of my knowledge and belief, that no applicable standards and/or regulations will be contravened or violated. I certify that any application form, report, or compliance certification submitted in this permit application is true, accurate, and complete based on information and belief formed after reasonable inquiry. I understand that any false information or misrepresentation may result in the immediate revocation of any permit issued for this application.

Signed By Chris Loach on 01/16/2025 at 1:57 PM

Professional Engineer

I have placed my signature and seal on the engineering documents submitted, signifying that I have reviewed this construction permit application as it pertains to the requirements of South Carolina Regulation 61-62, Air Pollution Control Regulations and Standards.

Signed By Sheryl Watkins on 01/16/2025 at 12:29 PM