

#### **PLANT FACT SHEET**

# CERTAINTEED GYPSUM **BUCHANAN, NY**

#### PRODUCTS AND BRANDS MADE

- CertainTeed Drywall (3/8's to 5/8's, all lengths from 8' to 16' and 48" wide and 54" wide), Type X and C products, Abuse and High Impact Resistant, 1/2" and 5/8's
- GlasRoc products for interior and exterior application.

#### **SUSTAINABILITY PROJECTS**

• To further promote sustainability and enrich our community, the Buchanan plant completed a 2.4 MW solar panel installation. It is a Community Solar project that local participating households can access the energy produced, and is one of the largest rooftop solar power systems in New York State. The system comprises 6,761 solar panels that generate over 2,700,000 kWh annually.

#### **COMMUNITY DONATIONS AND CHARITABLE CONTRIBUTIONS**

 ~\$45,000 (since 2016) - charitable donations/sponsorships donated annually

#### **AWARDS AND SAFETY MILESTONES**

- Over 275 days no TF1
- Awarded NRG's 2022 Excellence in Energy Award for Energy Efficiency
- Awarded Department of Energy's 2023 Better Project Award for the smart energy management system

#### **VOLUNTEER PROJECTS**

- STEAM Career Day (Furnace Woods Elementary School)
- Project Lead the Way (Hendrick Hudson High School)
- Plant tours for local high school students and nonprofit organizations
- Hendrick Hudson High School's Principals of Engineering class
- · Black Diamonds Academic Success, Inc.





1967
DATE FOUNDED

**39.18** SITE ACREAGE

#### **ADDRESS**

350 Broadway Buchanan, NY 10511

### PHONE

(914) 737-8600

### PLANT MANAGER

Paul Woolweaver



Scan QR code for job opportunities or visit us at:

saint-gobain-northamerica.com

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### **Gypsum Recycling Equipment Fact Sheet**

- Project: Installation of a new electric powered reclaim grinder
- Applicant: CertainTeed Gypsum
- Facility: 305 Broadway Buchanan, NY 10511
- NYSDEC Application Number: 3-5522-00087/00019
- A Public Participation Plan (PPP) has been developed in accordance with NYSDEC Commissioner Policy 29, Environmental Justice and Permitting (CP-29)

### What is the Proposed Project?

The Proposed Project includes the installation of a new electric powered reclaim grinder, the RotoChopper, to improve CertainTeed Gypsum's recycling capabilities. To implement the proposed project, CertainTeed Gypsum has applied for a modification to their Title V permit to the New York State Department of Environmental Conservation (NYSDEC). The purpose of this fact sheet is to inform the public about this proposed project and to involve the community during the NYSDEC permit application review process.

### Why does CertainTeed Gypsum need to install a new reclaim grinder?

The new equipment will allow a more consistent, smaller size material to be recycled into the existing feed systems and will facilitate the recycling of high-strength board types that could not previously be processed, expanding CertainTeed Gypsum's recycling capabilities

### How might the project affect the surrounding community?

The Rotochopper is planned to run at an increased efficiency on electricity, reducing the need for the existing diesel-powered engine. Changing the process to electricity will reduce emissions at the site. The equipment will be located indoors, thereby no increases to dust emissions or noise will occur.

#### How can I participate in the permit review process?

- Attend the upcoming public meeting scheduled for 10/18/23 at 7:30PM at Our Lady of Mt. Carmel Society to learn about the project, ask questions and/or express concerns about the project.
- Ask questions, express concerns, provide input or submit by comments in writing, by phone or email to the project contact person identified below.

### Where can I get more information about the proposed project?

- Visit the online document repository at: <a href="https://www.saint-gobain-northamerica.com/sites/default/files/Buchanan%2C%20NY.pdf">https://www.saint-gobain-northamerica.com/sites/default/files/Buchanan%2C%20NY.pdf</a> to obtain application materials, relevant documents, and information about the project.
- Contact Paul Woolweaver by phone at: (914) 930-3010 by email at: Paul.Woolweaver@saint-gobain.com or in writing at: 350 Broadway Buchanan, NY 10511 for information on the project, instructions on how to attend the upcoming public meeting, or to find out about the status of the permit application and public comment period.

### Who is responsible for reviewing the Permit Application?

NYSDEC Region 3 Headquarters, 21 St Putt Corners Rd. New Paltz, NY 12561, is responsible for reviewing and issuing the required permits. Tel: (845)256-3000; email: <a href="mailto:DEP.R3@dec.ny.gov">DEP.R3@dec.ny.gov</a>

### YOU ARE INVITED

### Public Meeting October 18, 2023, at 7:30PM

CertainTeed Gypsum- Recycling Equipment Installation

CertainTeed Gypsum has applied to the New York State Department of Environmental Conservation (NYSDEC) for a permit modification for the installation of a new electric powered reclaim grinder. A Public Participation Plan has been developed in accordance with NYSDEC Commissioner Policy 29, Environmental Justice and Permitting (CP-29). The purpose of this meeting is to inform the public about the project and to involve the community during the Title V modification permit application review process.

### Where:

### Our Lady of Mt. Carmel Society

155 Highland Ave, Verplanck, NY 10596

### Agenda:

- 1. Project Overview
- 2. Background
- 3. Scope of work
- 4. Project schedules
- 5. Community Impacts
- 6. Mitigation Measures
- 7. Questions and Answers

### Your Attendance is Important!

Project personnel will be available to answer questions from the community. For additional information on the proposed project:

- Contact: Paul Woolweaver by phone at (914) 930-3010 or by email at Paul.Woolweaver@saint-gobain.com
- Visit the repository at: www.saint-gobain-northamerica.com/buchanan

Contact the project liaison to request reasonable accommodation for a disability or interpreter services in a language other than English, so that you can participate in the meeting and/or to request a translation of any of the event documents into a language other than English.



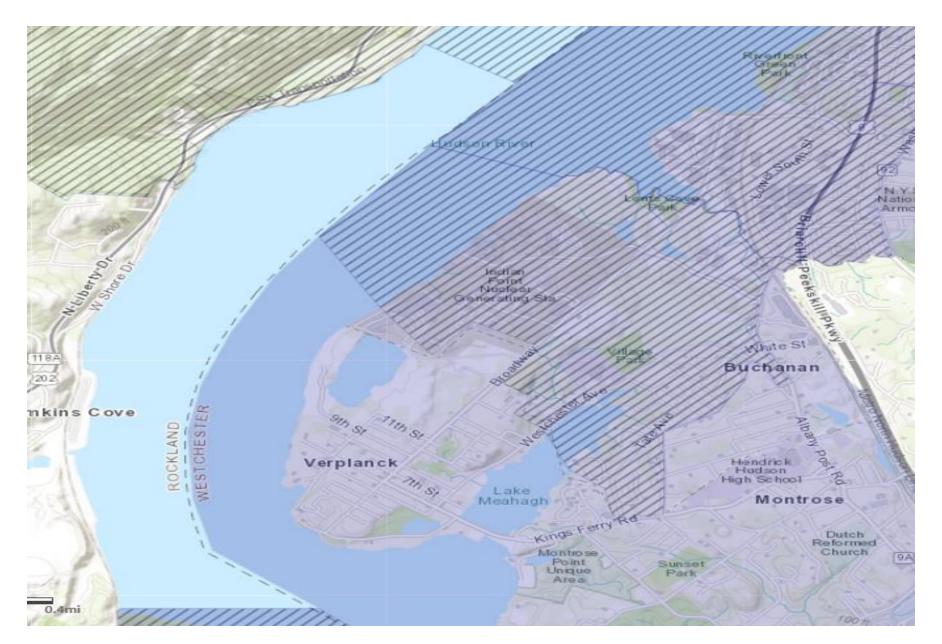
**10/18/2023 @ 7:30 PM OUR LADY OF MT CARMEL SOCIETY** 



### TONIGHT'S MEETING AGENDA

- <u>Permitting Action</u>: Modification to an existing NYSDEC Title V, Air Permit
- <u>Background & Project Overview</u>: Installation of Electric Reclaim Grinder
- <u>Potential Impacts & Benefits</u>: Offers more Reliable and Sustainable Recycling
- <u>Public Comments</u>: Opportunity for the Public to Offer Comments on this Project

### POTENTIAL ENVIRONMENTAL JUSTICE AREA





## — Speaker and Project Contact

### **Paul Woolweaver**

# CertainTeed Buchanan Plant Manager

(914) 930-3010

Paul.Woolweaver@saint-gobain.com





Additional Questions/Comments can be sent to Paul Woolweaver, Plant Manager

Writing at: 350 Broadway Buchanan, NY 10511



### **ABOUT US**



### 39 Acres on the Hudson River

6.8 under roof

### Gypsum received by ship

 River access is vital to our operation

### Unionized workforce

- Teamsters local 456
- Local 30 Operating Engineers
- Only Gypsum Plant in New York



# **Buchanan History**

Founded in 1967

**56 Years of Operations** 

Many of the Same People Throughout (20+ employees have over 20 years)

1967

GeorgiaPacific

1996

• Lafarge

2006

Plant expansion 2006

2013

Continental Building Products 2020

<u>CertainTeed</u>
 <u>Gypsum NA</u>











Buchanan Plant

Our Team

Plant Headcount:

130















### **COMMUNITY INVOLVEMENT**

# **PROCESS OVERVIEW**



### PLASTERBOARD MANUFACTURING AT SAINT-GOBAIN

2 3 Forming

The slurry is spread on

a paper liner as a support,

then a second paper liner is placed on the top. After a quick setting, the boards are **precut**.

The stucco powder is mixed with water and additives to obtain a slurry. The dosages are adjusted according to the desired properties of the finished product, such as fire resistance.

Calcination

Gypsum is ground then **heated to**160°C to be dehydrated. The powder obtained (stucco), stored in silos, feeds the production of plasterboard.

**DID YOU KNOW?** 

 Saint-Gobain uses recycled materials in its plasterboard production: up to 100% for paper and 30% for gypsum.

> The manufacturing process is continuously improving its energy efficiency, thanks in particular to artificial intelligence.

GROW&

Rejects (recycled)

4

Drying
The boards pass through a dryer where the temperature can reach up to 300°C. The evaporation of excess water

strengthens the cohesion of the gypsum to the paper liner.

inishing and nacl

Finishing and packaging

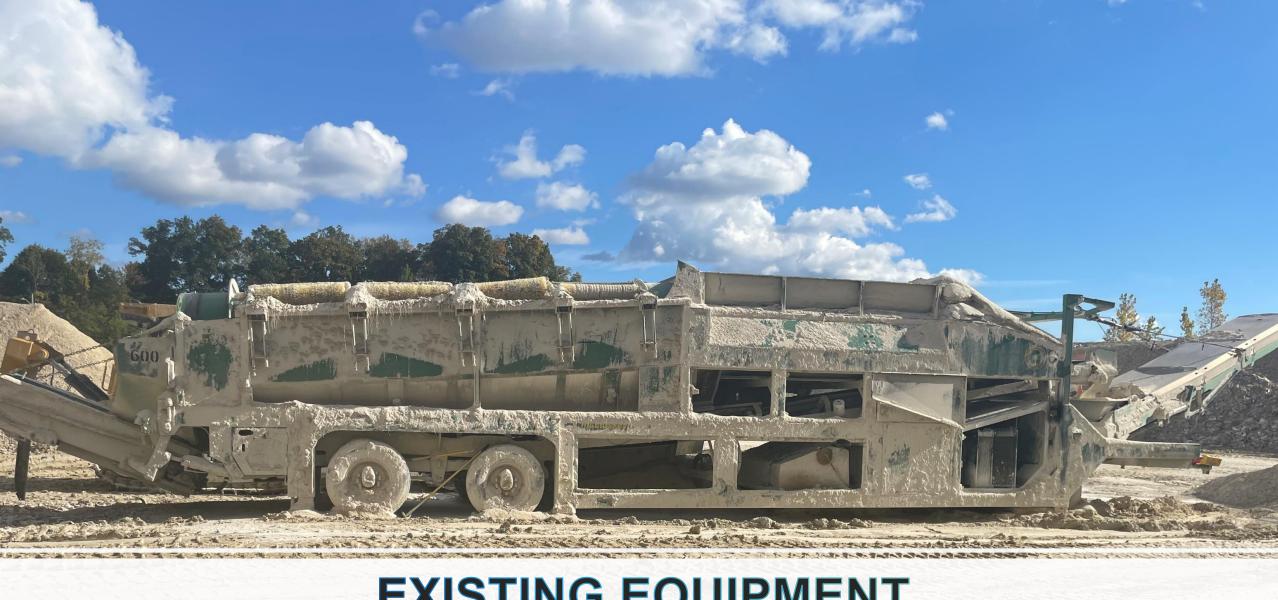
The plasterboards are **resized**, **inspected then packed** before being stored by AGVs.

Reclaim Equipment

This is why we are here

SAINT-GOBAIN





### **EXISTING EQUIPMENT**

### Purpose of our meeting today

# Upgrade our recycling process

- Purchasing a Rotochopper
  - -Uses Electric vs Diesel
  - -Going under an existing roof
- 30-40 tph vs 40-65 tph









### **DOCUMENT REPOSITORY**



•https://www.saint-gobainnorthamerica.com/sites/default/files/Buchanan%2C%20NY.pdf Or

•https://www.saint-gobain-northamerica.com/sites/saint-gobain-northamerica.com/files/GypsumUS\_Buchanan\_NY\_10-18-23.pdf

Copies are also available for review at the guard shed located at the entrance to the Plant Site (350 Broadway, Buchanan, NY)

### **NYSDEC CONTACT**

Chris Lang he/him/his

Environmental Analyst, Division of Environmental Permits

New York State Department of Environmental Conservation <a href="www.dec.ny.gov">www.dec.ny.gov</a>

21 South Putt Corners Rd, New Paltz, NY 12561 845-256-3096 (p)

christopher.lang@dec.ny.gov





### **PROJECT SCHEDULE**

**Application to Modify NYSDEC Title V, Air Permit is currently under review by NYSDEC** 

**July 2023** 

Submit air permit application

NYSDEC reviews and determines the need for the EJ Process

**August 2023 to Present** 

**CertainTeed follows the EJ process** 

 Tonight's Meeting is being held <u>prior</u> to NYSDEC's Permitting Decision

### **Next steps**

Submit the final public participation summary report

**Submit additional SEQR documentation** 

**NYSDEC** will review the application for completeness

**NYSDEC** will issue a permit determination



# Questions



# Application Materials



July 7, 2023

Mr. John Petronella NYSDEC Regional Permit Administrator Region 3 Headquarters 21 South Putt Corners Rd. New Paltz, NY 12561-1620 (845) 256-3054 dep.r3@dec.ny.gov

RE:

Request for Significant Modification to Title V Permit CertainTeed Gypsum Buchanan, LLC – Buchanan, NY

DECID: 3-5522-00087

Dear Mr. Petronella,

CertainTeed Gypsum Manufacturing, Inc. (CertainTeed) owns and operates a gypsum wallboard manufacturing facility at 350 Broadway, Buchanan, New York (Buchanan plant). The Buchanan plant currently operates under Title V permit No. 3-5522-00087/00019, issued by the New York State Department of Environmental Conservation (NYSDEC) on July 20, 2020.

In recent years, the Buchanan plant has commissioned equipment to allow for onsite recycling (or closed loop recycling) of gypsum wallboard production scrap. Recycling the production scrap eliminates a significant waste stream for the site. The wallboard scrap recycling has been a successful project, and CertainTeed now seeks to improve its recycling process by installing an additional recycling equipment that is more efficient than equipment currently being employed at other CertainTeed Gypsum sites.

The proposed new electric powered reclaim crusher, known as a RotoChopper, will be used to crush and grind scrap wallboard to a size that can be recycled back into the process. CertainTeed is requesting a significant modification to its Title V permit as per Title 6 of the New York Codes, Rules and Regulations (6 CRR-NY) 201-6.6(d). The proposed installation of the RotoChopper will be subject to new applicable federal requirements that are not currently included in the permit and is therefore a significant modification as it does not meet any of the requirements in 6 CRR-NY 201-6.6(c)(1)(i) through (v). The modification involves significant changes to existing monitoring, reporting, or recordkeeping requirements and seeks to establish a permit condition. However, the modification is not classified as a New Source Review (NSR) major modification as defined and regulated under 6 CRR-NY Part 231, as demonstrated in Section 3.2.2. Therefore, CertainTeed is submitting a permit modification application to the NYSDEC.

### 1. Process Description

Gypsum board produced in the wallboard plant may be rejected for various reasons (quality, incorrect specifications, etc.). Since it is comprised primarily of gypsum itself, this "reclaim board" can be crushed, dried, and recycled back into the process with raw synthetic gypsum.

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CertainTeed Gypsum Buchanan, LLC

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The Buchanan plant's current process for recycling, reclaim board involves mechanically breaking it into smaller pieces by front-end loaders, then transferring pieces into a Trommel Screen unit located in the outdoor storage area to separate paper debris from reclaim boards. The remaining gypsum is then transferred via front-end loader or the Secondary Feeder System and blended into the raw gypsum stream.

CertainTeed is now planning to install an additional dedicated reclaim board processing operation consisting of a reclaim grinder, the RotoChopper, to enhance the recycling process. This technology has already proven to be effective at other CertainTeed facilities. In addition to allowing a more consistent, smaller size material to be recycled into the existing feed systems, the reclaim grinder will facilitate recycling of high-strength board types that could not previously be processed.

### 2. Air Emissions Estimates

Reclaim board material will be transported by front-end loaders to the RotoChopper, which will be located near the existing outdoor storage area. The RotoChopper has a maximum capacity of 65 tons per hour (ton/hr) and is equipped with an electric motor that will power the shredding rotor that will break apart the scrap board down to the desired size. The size of the material generated is controlled by the screen installed under the shredding rotor.

The crushed material will drop under the enclosed screen onto a discharge conveyor that will transfer the material to a working storage pile. From the pile, the reclaim board material will be picked up by front-end loaders and be transported to the existing recyclable storage pile.

The transfer, grinding, and storage of the reclaim board material will be a source of fugitive particulate matter (PM) emissions. The calculations of PM, PM<sub>10</sub> and PM<sub>2.5</sub> are based on emission factors from Environmental Protection Agency's (EPA's) Compilation of Air Pollutant Emission Factors (AP-42) Sections 11.19.2 and 13.2.4. These emissions are documented in the attached Appendix A, and are based on continuous operation (i.e., 8760 hours per year) of the RotoChopper. The RotoChopper will not have the potential to emit any other air contaminants.

### 3. Regulatory Applicability

The Buchanan plant will be subject to certain federal and state air regulations. This section of the application summarizes the air permitting requirements and the key air quality regulations that apply to the facility. Specifically, the applicability of New Source Performance Standards (NSPS), National Emission Standards for Hazardous Air Pollutants (NESHAP), and NYSDEC regulations are addressed. The applicability of certain general provisions is not detailed in this narrative summary.

#### 3.1. New Source Performance Standards

NSPS, located in Title 40 of the Code of Federal Regulations Part 60 (40 CFR 60), require new, modified, or reconstructed sources in applicable source categories to control emissions to the level achievable by the best demonstrated technology as specified in the applicable provisions. This section discusses the applicability of potentially applicable NSPS to the proposed RotoChopper.

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### 3.1.1. NSPS Subpart 000 - Nonmetallic Mineral Processing Plants

Pursuant to 40 CFR 60.670(a)(1), NSPS Subpart OOO is "applicable to the following affected facilities in fixed or portable nonmetallic mineral processing plants: each crusher, grinding mill, screening operation, bucket elevator, belt conveyor, bagging operation, storage bin, or enclosed truck or railcar loading station." The gypsum drying and calcining processes upstream of the wallboard production facility at the Buchanan Plant are classified as a nonmetallic mineral processing plant under Subpart OOO. The new RotoChopper meets the definition of "crusher" in 40 CFR 60.671 and the discharge conveyor meets the definition of a "belt conveyor". Thus, these two parts of the RotoChopper are subject to the requirements stipulated in this subpart.

Since the RotoChopper does not have a stack or vent through which emissions are collected and conveyed, the RotoChopper is required to meet fugitive emissions limitations established in Table 3 of Subpart OOO. Specifically, pursuant to §60.672(b) and Table 3 of Subpart OOO, the opacity of visible emissions from the discharge conveyor transfer point shall not exceed 7 percent and the opacity of emissions from the crusher, for which a capture system is not used, shall not exceed 12 percent. The Buchanan plant's Title V permit already includes three (3) conditions regulating visible emissions pursuant to §60.672(b). However, these conditions are specific to the equipment at Buchanan that were constructed, modified or reconstructed before April 22, 2008. The Rotochopper is going to be installed after April 22, 2008, hence, CertainTeed considers the visible emissions standards and opacity testing to which the RotoChopper is subject to be new applicable requirements in Table 3 of NSPS Subpart OOO for affected facilities constructed on or after April 22, 2008. To demonstrate compliance with the fugitive emission limitation, CertainTeed will conduct an initial Method 9 opacity test pursuant to §60.675(b)(2) and testing requirements as listed in §60.675(c)(3) and must conduct an initial opacity observation within 60 days after achieving its maximum production rate, but no later than 180 days after initial startup pursuant to §60.672(b)(2).

As no wet or dry control devices are employed, there are no applicable monitoring provisions under Subpart OOO. Since the Rotochopper has additional monitoring, reporting and recordkeeping requirements, CertainTeed requests that a new condition for the Rotochopper be added to the existing Title V operating permit.

### 3.2. National Emission Standards for Hazardous Air Pollutants

NESHAP are applicable to sources of HAP. The NESHAP regulations in 40 CFR 61 are pollutant-specific while 40 CFR 63 contains source type specific NESHAP allowable emission limits, established on the basis of a control technology achieved in practice in a particular source category. Since the RotoChopper will not have the potential to result in any emissions of HAP, it is not subject to any NESHAP.

### 3.3. State Regulatory Applicability

This section discusses the applicability of potentially applicable New York State regulations to the proposed RotoChopper.

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#### 3.3.1. 6 CRR-NY Part 211 - General Prohibitions

#### 3.3.1.1. Section 211.1 - Air Pollution

Buchanan has not caused any particulate, fume, gas, mist, odor, smoke, vapor, pollen, toxic or deleterious emissions, either alone or in combination with others, to be emitted to the outdoor atmosphere in such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property in accordance with 6 CRR-NY 211.1. Future operation of the facility including the addition of the new RotoChopper will remain in compliance with §211.1.

#### 3.3.1.2. Section 211.2 - Visible Emissions

Section 211.2 defines general opacity limits for sources of air pollution in New York State via the generally applicable requirement that facility-wide visible emissions are limited to 20 percent opacity (6-minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity. In addition to complying with the more stringent limit set by NSPS Subpart OOO for the required initial performance test, the new RotoChopper at the Buchanan plant will comply with the requirements of this subpart by not exceeding these opacity limits.

#### 3.3.2. 6 CRR-NY Part 212 - Process Operations

Part 212 applies to process emission sources associated with a process operation upon issuance of a new, modified, or renewal permit/registration for a facility containing process emission sources and/or emission points. The RotoChopper meets the definition of a process emission source and is therefore subject to Part 212.

Per the definition of "process operation" in 6 CRR-NY 212-1.2(18), systems in which "Any industrial, institutional, commercial, agricultural or other activity, operation, manufacture or treatment in which" are process operations if "chemical, biological and/or physical properties of the material or materials are changed". The physical properties of the material is changed in the RotoChopper. The RotoChopper is therefore considered a process operation and its emissions are subject to control requirements under Part 212.

The emissions from the RotoChopper are subject to opacity standards in 40 CFR Part 60, Subpart OOO, as described above. In accordance with 6 CRR-NY 212-1.5(e)(1), compliance with Subpart OOO satisfies compliance requirements for Part 212 for this source.

#### 3.3.3. 6 CRR-NY Part 231 - New Source Review for New and Modified Facilities

The NSR program is comprised of two distinct pre-construction permitting programs: 1) Prevention of Significant Deterioration (PSD) for attainment areas/pollutants; and 2) Nonattainment New Source Review (NNSR) for nonattainment areas or areas located within the ozone transport region. New York has its own State Implementation Plan approved programs for PSD and NNSR codified in 6 CRR-NY Part 231. The PSD and NNSR applicability analysis presented in this section is based on definitions from 6 CRR-NY 231-4 and tables from 6 CRR-NY 231-13. Since the proposed modification will result in an increase in the facility's potential to emit PM only, this NSR analysis will only consider impacts with respect to PM emissions and only the PSD program.

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CertainTeed Gypsum Buchanan, LLC

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The facility is located in Westchester County, New York. Westchester County is currently designated as nonattainment for ozone, and attainment or unclassifiable for all other pollutants in 40 CFR Part 81.333. Therefore, the facility is located in an attainment area for both PM with an aerodynamic diameter of 2.5 microns or less (PM<sub>2.5</sub>), and PM with an aerodynamic diameter of 10 microns or less (PM<sub>10</sub>). Major source thresholds for PSD regulated pollutants for facilities in New York are established in 6 CRR-NY 231-13.5, Table 5. The 250 ton per year thresholds in Table 5 apply to the Buchanan facility, as it is not part of one of the source categories listed in 6 CRR-NY 201-2.1(b)(21)(iii)(a) through (z). The facility-wide potential to emit is below this threshold for every PSD contaminant; therefore, the facility is not considered to be a major source for any air contaminants within the PSD program, including PM<sub>2.5</sub> and PM<sub>10</sub>.

Therefore, the proposed modification to the Buchanan facility to install the RotoChopper is a modification to an existing non-major facility in an attainment area and is potentially regulated by 6 CRR-NY 231-7. The facility's potential to emit PM and the project emission potential for PM as defined in 6 CRR-NY 231-4.1 for the proposed modification is summarized in Table 3-1.

Pollutant	Potential to Emit [PTE] (tpy)	Project Emission Potential [PEP] (tpy)		
PM <sub>10</sub>	180	3.34		
PM <sub>2.5</sub>	162	0.64		

Table 3-1: Potential to Emit and Project Emission Potential for PM

As demonstrated in Table 3-1, the proposed modification does not have a project emission potential exceeding the applicable major source threshold of 250 tons per year for any regulated NSR contaminant affected by this project. Therefore, according to 6 CRR-NY 231-7.1(a)(2), the project is not subject to any requirements under New York's NSR program.

### 3.3.4. 6 CRR-NY Part 617 - State Environmental Quality Review

New York's State Environmental Quality Review Act (SEQRA) requires all state and local government agencies to consider environmental impacts equally with social and economic factors during discretionary decision-making. The proposed modification is not considered a Type I Action (6 CRR-NY 617.4) likely to have significant adverse environmental impact, nor is it considered exempt from SEQR review as a Type II Action under 6 CRR-NY 617.5. Therefore, it is considered an Unlisted Action per 6 CRR-NY 617.2(al) and requires that a Short Environmental Assessment Form (SEAF) is prepared. A copy of the SEAF is completed and provided as Appendix C which includes the EAF Mapper Summary Report prepared for this project.

### 3.4. Climate Leadership and Community Protection Act

The CLCPA was signed into law in July 2019 and became effective January 1, 2020. Pursuant to Section 7(2) of the CLCPA, New York State agencies, such as the NYSDEC, are required to review certain permit applications for inconsistency or interference with the attainment of the statewide GHG emission limits established by the CLCPA. In December 2022, the NYSDEC issued guidance in the form of a DEC Program Policy related to evaluating air emission sources with respect to the CLCPA in New York: DAR-21: The Climate Leadership and Community Protection Act and Air Permit Applications ("DAR-21"). DAR-21 outlines guidance for evaluating when a CLCPA analysis should be submitted and what information should be included in the analysis. Under DAR-21, air permit applicants are guided to not only calculate project

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CertainTeed Gypsum Buchanan, LLC

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emissions, but also to evaluate alternatives and mitigation measures for projects that increase GHG emissions. Additionally, based on correspondence Trinity has received from the NYSDEC, the NYSDEC requires applicants to also address Section 7(3) of CLCPA which requires the NYSDEC to prioritize the reduction of GHG emissions and co-pollutants in Disadvantaged Communities (DAC). As the Buchanan plant is situated in a DAC area, a detailed CLCPA analysis for the project is included in Appendix D.

Your consideration of this request is appreciated. If you should have any questions, or require additional information, please do not hesitate to contact me at (914) 804-4441.

Sincerely,

Paul Woolweaver Plant Manager CertainTeed Gypsum LLC

cc: Scott Walton, Saint-Gobain, EHS Manager

Attachments: Appendix A – Short SEQR Form

Appendix B – Supporting Emission Calculations

Appendix C - CLCPA Assessment

Appendix D – Air Permit Application Forms

### APPENDIX A: SEQR SHORT ENVIRONMENTAL ASSESSMENT FORM

### Short Environmental Assessment Form Part 1 - Project Information

### **Instructions for Completing**

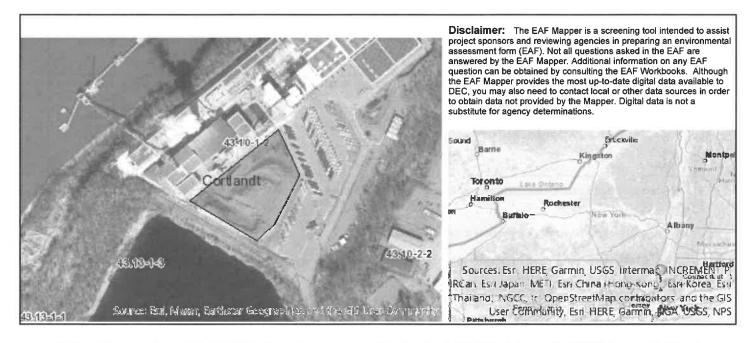
Part 1 – Project Information. The applicant or project sponsor is responsible for the completion of Part 1. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification. Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information.

Complete all items in Part 1. You may also provide any additional information which you believe will be needed by or useful to the lead agency; attach additional pages as necessary to supplement any item.

Part 1 – Project and Sponsor Information		
Name of Action or Project:		
CertainTeed Rotochopper Installation		
Project Location (describe, and attach a location map):		
350 Broadway, Buchanan, NY, 10511		
Brief Description of Proposed Action:		
The facility is planning to install a new reclaim grinder equipment (Rotochopper) to improve	the facility's wallboard reclaim	processing.
Name of Applicant or Sponsor:	Telephone: (914) 804-44	41
Paul Woolweaver	E-Mail: paul.woolweaver	@saint-gobain.com
Address:	paul.woowcuvci	esant gosaniosii
350 Broadway		
City/PO:	State:	Zip Code:
Buchanan	NY	10511
1. Does the proposed action only involve the legislative adoption of a plan, loc administrative rule, or regulation?	al law, ordinance,	NO YES
If Yes, attach a narrative description of the intent of the proposed action and the may be affected in the municipality and proceed to Part 2. If no, continue to que	environmental resources the estion 2.	nat 🔽 🗀
2 Does the proposed action require a permit, approval or funding from any other	ner government Agency?	NO YES
If Yes, list agency(s) name and permit or approval: New York State Department of Environm Facility Permit and Westchester County	nental Conservations (NYSDEC) Air S	State
a. Total acreage of the site of the proposed action?     b. Total acreage to be physically disturbed?     c. Total acreage (project site and any contiguous properties) owned	3.4 acres 3.4 acres	1
or controlled by the applicant or project sponsor?	41.2 acres	
4. Check all land uses that occur on, are adjoining or near the proposed action:		
5. Urban Rural (non-agriculture)  Industrial  Commerc	ial 🔲 Residential (subur	rban)
☐ Forest ☐ Agriculture ☐ Aquatic ☐ Other(Spe	ecify):	
☐ Parkland		

5. Is the proposed action,	NO	YES	N/A
a. A permitted use under the zoning regulations?			<b>√</b>
b. Consistent with the adopted comprehensive plan?			<b>√</b>
6. Is the proposed action consistent with the predominant character of the existing built or natural landscape?		NO	YES
			<b>√</b>
7. Is the site of the proposed action located in, or does it adjoin, a state listed Critical Environmental Area?  Name:Hudson River, Reason:Exceptional or unique character, Agency:Westchester County, Date:1-31-90		NO	YES
If Yes, identify:			$\checkmark$
8. a. Will the proposed action result in a substantial increase in traffic above present levels?		NO	YES
		$\overline{\mathbf{V}}$	
b. Are public transportation services available at or near the site of the proposed action?		$\checkmark$	
c. Are any pedestrian accommodations or bicycle routes available on or near the site of the proposed action?		$\checkmark$	
9. Does the proposed action meet or exceed the state energy code requirements?		NO	YES
If the proposed action will exceed requirements, describe design features and technologies:		<b>✓</b>	
10. Will the proposed action connect to an existing public/private water supply?		NO	YES
If No, describe method for providing potable water: The reclaim grinder would not have any water usage and not need any potable water public/private water supply.		<b>✓</b>	
11. Will the proposed action connect to existing wastewater utilities?		NO	YES
If No, describe method for providing wastewater treatment:			
The reclaim grinder would not have any water usage and would not need wastewater utilities.		V	
12. a. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district	t	NO	YES
which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places?		<b>✓</b>	
b. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory?			<b>✓</b>
archaeological sites on the NY State historic Preservation Office (ShPO) archaeological site inventory?			
13. a. Does any portion of the site of the proposed action, or lands adjoining the proposed action, contain wetlands or other waterbodies regulated by a federal, state or local agency?		NO D	YES
13. a. Does any portion of the site of the proposed action, or lands adjoining the proposed action, contain			YES
13. a. Does any portion of the site of the proposed action, or lands adjoining the proposed action, contain wetlands or other waterbodies regulated by a federal, state or local agency?		NO V	
<ul><li>13. a. Does any portion of the site of the proposed action, or lands adjoining the proposed action, contain wetlands or other waterbodies regulated by a federal, state or local agency?</li><li>b. Would the proposed action physically alter, or encroach into, any existing wetland or waterbody?</li></ul>	ct.		

14. Identify the typical habitat types that occur on, or are likely to be found on the project site. Check all that apply:		
Shoreline Forest Agricultural/grasslands Early mid-successional		
☐ Wetland ☐ Urban ☐ Suburban		
15. Does the site of the proposed action contain any species of animal, or associated habitats, listed by the State or	NO	YES
Federal government as threatened or endangered?		7
Bald Eagle, Atlantic Sturge		
16. Is the project site located in the 100-year flood plan?	NO	YES
	<b>✓</b>	
17. Will the proposed action create storm water discharge, either from point or non-point sources?	NO	YES
If Yes,		$\checkmark$
a. Will storm water discharges flow to adjacent properties?	V	
b. Will storm water discharges be directed to established conveyance systems (runoff and storm drains)?		V
If Yes, briefly describe:		
The stormwater from the site of the project will drain to one of the three settling ponds and one additional Y trap settling pond. All the		
water from these ponds releases through the Outfalls. The RotoChopper project will not change stormwater flow or contaminant levels.		# 7.7 1.77
18. Does the proposed action include construction or other activities that would result in the impoundment of water	NO	YES
or other liquids (e.g., retention pond, waste lagoon, dam)?		
If Yes, explain the purpose and size of the impoundment:		
19. Has the site of the proposed action or an adjoining property been the location of an active or closed solid waste	NO	YES
management facility?		
If Yes, describe:		
20.Has the site of the proposed action or an adjoining property been the subject of remediation (ongoing or	NO	YES
completed) for hazardous waste?		
If Yes, describe:		
Under the State Superfund Program Site Code: 546031 is in remediation. Additionally, under Resource Conservation and Recovery		
Program, the Site Code: 360038 is in remediation.  I CERTIFY THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE BE	ST OF	
MY KNOWLEDGE	51 01	
06 30 202	3	
Applicant/sponsor/name: Paul Woolweaver Date: 00-30-202		
Signature:Title: Plant Manager		



Part 1 / Question 7 [Critical Environmental Area]	Yes
Part 1 / Question 7 [Critical Environmental Area - Identify]	Name:Hudson River, Reason:Exceptional or unique character, Agency:Westchester County, Date:1-31-90
Part 1 / Question 12a [National or State Register of Historic Places or State Eligible Sites]	No .
Part 1 / Question 12b [Archeological Sites]	Yes
Part 1 / Question 13a [Wetlands or Other Regulated Waterbodies]	Yes - Digital mapping information on local and federal wetlands and waterbodies is known to be incomplete. Refer to EAF Workbook.
Part 1 / Question 15 [Threatened or Endangered Animal]	Yes
Part 1 / Question 15 [Threatened or Endangered Animal - Name]	Bald Eagle, Atlantic Sturgeon, Shortnose Sturgeon
Part 1 / Question 16 [100 Year Flood Plain]	No
Part 1 / Question 20 [Remediation Site]	Yes

### **APPENDIX B: SUPPORTING EMISSION CALCULATIONS**

Pollutant	Process Emissions (tpy)
PM	8.91
PM <sub>10</sub>	3.34
PM <sub>2.5</sub>	0.64

### **Reclaim Grinder Information:**

#### **Operational Data**

	Generator	Unit	Notes
Maximum short-term board processing capacity Grinder Manufacturer Avg. no. of hours of operation Avg. no. of days of operation Annual Max. Hours of Operation Max. processed capacity	65 Rotochopper 24 365 8760 569400	ton/hr hrs/day days/yr hrs/yr ton/yr	1 1 1 1

### **Reclaim Grinder - Potential To Emit:**

#### **Total Emisisons**

Contaminant	Crust	ier	Transfer	Points	Gypsu	m Piles	То	tal
	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy
PM PM-10 PM-2.5	1.63 0.57 0.12	7.12E+00 2.48E+00 5.10E-01	0.24 0.12 0.02	1.07E+00 5.04E-01 7.64E-02	0.16 0.08 0.01	7.23E-01 3.61E-01 5.42E-02	2.03 0.76 0.15	8.91 3.34 0.64

#### Fugitive PM emissions from Crusher

Contaminant	Emissi	Emission Factor <sup>2,3</sup>	
	lb/hr	tру	lb/ton
PM PM-10 PM-2.5	1.63 0,57 0.12	7.12E+00 2.48E+00 5.10E-01	

### Fugitive PM emissions from Transfer Points

No. of Transfer Points1

2

Contaminant	Total Emissions		Emission Factor <sup>3,4,5,7</sup> lb/ton	
PM	0.24	1.07E+00	1.87E-03	
PM-10	0.12	5.04E-01	8.86E-04	
PM-2.5	0.02	7.64E-02	1.34E-04	

#### Fugitive PM emissions from Gypsum Piles

Contaminant	Emissions		Emission Factor <sup>6,7,8,9,10</sup>
	lb/hr	tpy	(lb/day/acre)
PM PM-10 PM-2.5	0.16 0.08 0.01	7.23E-01 3.61E-01 5.42E-02	52.08 26.04 3.91

#### Notes:

- 1.Based on CertainTeed's plans for new reclaim grinder.
- 2. PM and PM-10 emission factors are based on AP-42, Table 11.19.2-2.
- 3. PM-2.5 emission factor is calculated from PM emission factor using AP-42, Section 13.2.4.3 aerodynamic size multiplier values (k). The "k" values

PM = 0.74 PM-10 = 0.35 PM-2.5 = 0.053

- 4. Emission factors are-based on AP-42 Chapter 13.2.4.3 Equation 1.
  - E (lb/ton) =  $k \times (0.0032) \times (U/5)^{1.3} / (M/2)^{1.4}$  where U = mean wind speed (mph) 11.2 M = material moisture content (%) 5
- 5. When received at the plant, the raw synthetic gypsum has a moisture content of roughly 10%. The reclaim board material to be processed in the crusher unit will be a mixture of wet reclaim board rejected before passing through the board dryers and dry reclaim board that has passed through the board dryers. Although the moisture content of the reclaim board material processed in the crusher will depend on the mix ratio and whether it has been exposed to precipitation while stored, it is reasonable to assume that it will have a moisture content of roughly 5-10%. Thus a 5% value is used in deriving a transfer point emission factor.
- 6. Emission factor is based on Control of Open Fugitive Dust Sources; EPA-450/3-88-008, September 1988, Page 4-17, Equation 2:

E(lb/day/acre) = 1.7 \* (s/1.5) \* (365-p)/235 \* f/15 where

s = Silt content of the aggregate (%) 20 p = Number of days with >= 0.01 in. of 122 precipitation per year

p = Number of days with >= 0.01 in. by
precipitation per year

f = Percent of time that the unobstructed
wind speed exceeds 12 mph at the mean
pile height

- 7. The mean wind speed value (U), percent of time that the unobstructed wind speed exceeds 12 mph at the mean pile height value (f) and number of days with >= 0.01 in. of precipitation (p) values are based on 2022 NOAA meteorological data for La Gaurdia Airport, New York.
- 8. The silt content value used is based on data from the CertainTeed synthetic gypsum plant in Moundsville, West Virginia, and is consistent with the value used historically for storage pile wind erosion emissions for the Buchanan Plant.
- 9. The pile dimensions are based on CertainTeed's estimates.

Pile Dimensions:

File Difficustons.	
Estimated maximum pile height (h) =	13 ft
Typical overall pile base radius (R) =	30 ft
Typical overall pile top radius (r) =	10 ft
Exposed lateral surface area of reclaim pile =	2,998 sqft
Exposed top surface area of reclaim pile =	314.2 sqft.
Total exposed area =	3,312 sqft.
	0.076 acre

Area =  $\pi (R + r) \sqrt{(R - r)^2 + h^2}$ 



10. The PM-10 and PM-2.5 emissions for the gypsum pile is assumed to be 50% and 7.5% of the PM emissions respectively.

### APPENDIX C: CLIMATE LEADERSHIP AND COMMUNITY PROTECTION ACT ASSESSMENT

### CLIMATE LEADERSHIP AND COMMUNITY PROTECTION ACT ASSESSMENT

CertainTeed Gypsum Manufacturing LLC Buchanan, NY



### **Prepared By:**

### **TRINITY CONSULTANTS**

1580 Columbia Turnpike, Building 1, Suite 1 Castleton-On-Hudson, NY 12033

June 2023

Project Number: 233302.0015





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	3.1 Consistency With CLCPA	

CertainTeed Gypsum Manufacturing, Inc. (CertainTeed) owns and operates a gypsum wallboard manufacturing facility at 350 Broadway, Buchanan, New York (Buchanan plant). The Buchanan plant currently operates under Title V permit No. 3-5522-00087/00019, issued by the New York State Department of Environmental Conservation (NYSDEC) on July 20, 2020.

In recent years, the Buchanan plant has commissioned equipment to allow for onsite recycling (or closed loop recycling) of gypsum wallboard production scrap. Recycling the production scrap eliminates a significant waste stream for the site. The wallboard scrap recycling has been a successful project, and CertainTeed now seeks to improve its recycling process by installing an additional and more efficient equipment currently being employed at other CertainTeed Gypsum sites.

The proposed new electric powered reclaim crusher, known as a RotoChopper, will be used to crush and grind scrap wallboard to a size that can be recycled back into the process. CertainTeed is requesting a significant modification to its Title V permit as per Title 6 of the New York Codes, Rules and Regulations (6 CRR-NY) 201-6.6(d). Hence, CertainTeed is submitting a permit modification application to the NYSDEC and this accompanying analysis with respect to Climate Leadership and Community Protection Act ("CLCPA").

## 1.1 Climate Leadership and Community Protection Act

#### 1.1.1 Background

The CLCPA was signed into law in July 2019 and became effective January 1, 2020. Pursuant to Section 7(2) of this state law, New York State agencies, such as NYSDEC, are required to review certain permit applications for inconsistency or interference with the attainment of the statewide GHG emission limits established by the CLCPA. In December 2022, the NYSDEC issued final guidance related to evaluating air emission sources with respect to the CLCPA in New York: DAR-21: The Climate Leadership and Community Protection Act and Air Permit Applications ("DAR-21"). DAR-21 outlines guidance for evaluating when a CLCPA analysis should be submitted and what information should be included in the analysis. Under DAR-21, permit modification applicants are guided to calculate project GHG emissions and to evaluate alternatives and mitigation measures to address any increase in GHG emissions.

In addition to Section 7(2) of the CLCPA, an analysis of co-pollutants under Section 7(3) of the CLCPA is necessary for a complete CLCPA analysis if the Buchanan plant is in, or potentially impacts, a draft Disadvantaged Community (DAC), as defined by the New York State Climate Justice Working Group (CJWG).<sup>2</sup> The NYSDEC finalized the list of DACs in March 2023 and the maps published with that final list were used in this determination. The Buchanan plant is located at 350 Broadway, Buchanan, NY, which is located within census tracts 36119014000 and 36119014604, both of which are designated as DACs. Therefore, an analysis of co-pollutant emissions is included as part of this analysis to satisfy Section 7(3).

<sup>&</sup>lt;sup>1</sup> https://www.dec.ny.gov/docs/air\_pdf/dar21.pdf

<sup>&</sup>lt;sup>2</sup> Disadvantaged Communities are identified at <a href="https://climate.ny.gov/Resources/Disadvantaged-Communities-Criteria">https://climate.ny.gov/Resources/Disadvantaged-Communities-Criteria</a>

#### 1.1.2 CLCPA Analysis – Buchanan Title V Permit Modification

The Buchanan facility is submitting a Title V permit modification application as it is proposing to install a new reclaim crusher. However, the actual or potential GHG emissions are not expected to increase from the facility as a result of the proposed modification.

An evaluation of the CLCPA with respect to air permitting requires the following components:

- Identification of Greenhouse Gases (GHGs) emitted from new or modified emission sources.
- ▶ Quantification of emissions of individual GHGs and the total carbon dioxide equivalent (CO₂e) attributable to the project based on the 20-year global warming potential (GWP) (CO₂e (20-year)) of each individual GHG emitted, including:
  - Direct emissions of GHGs released from new or modified process operations at the facility;
  - Direct emissions of GHGs that are generated due to the combustion of fossil fuels in new or modified combustion equipment at the facility;
  - Upstream emissions of GHGs attributable to the project associated with the extraction, production and transmission of fossil fuels imported into the State;
  - Downstream emissions of GHGs attributable to the project that are reasonably foreseeable as a result of the transmission and use of fossil fuel products;
  - Indirect emissions of GHGs attributable to the project that are reasonably foreseeable as a consequence of the activities of the reporting facility from sources that may be outside of its control, and;
  - Projected future GHG emissions for the years 2030 and 2050.
- ► For projects that will result in actual or potential increase in GHG emissions, an analysis of any proposed new or modified GHG emission sources at the facility to determine if there are feasible alternatives or mitigation measures that may result in less emissions of GHGs.
- ▶ An evaluation of co-pollutants (i.e., hazardous air pollutants [HAP] that are emitted from GHG sources) which are emitted from any emission source at a facility that emits GHG that is in or potentially impacts a DAC.

As identified above, Buchanan is located within a DAC, therefore an evaluation of co-pollutants is provided in this CLCPA analysis.

#### 2. SUMMARY OF FACILITY AND PROJECT SCOPE

### 2.1 Facility Description

CertainTeed manufactures gypsum wallboards at the Buchanan plant. In the process of generating wallboard, a certain percentage of production is rejected for various reasons (quality, incorrect specifications, etc.). Since it is comprised primarily of gypsum itself, this "reclaim board" can be crushed, dried, and recycled back into the process with raw synthetic gypsum. CertainTeed is planning to install an additional reclaim grinder to increase the throughput of the reclaim process. This additional grinder has a maximum capacity of 65 tons per hour and is equipped with an electric motor that will power the shredding rotor.

### 2.2 CLCPA Analysis Scope

As described in DAR-21, a CLCPA analysis should include the change in a facility's emissions of GHG from new or modified emission sources affected by a project, changes in GHG emissions from unmodified existing sources as a result of project impacts as well as upstream, downstream, and indirect GHG emissions attributable to a project. DAR-21 indicates that the "applicable portions of the project include any new or modified emission sources that have the potential to emit GHG."

Per DAR-21 guidance, the proposed installation of the new reclaim crusher is considered in the "project scope" with respect to the Buchanan permit modification application. CertainTeed is not proposing to install, remove, or modify the operation of any other equipment at the Buchanan plant. The proposed reclaim crusher will be operated by an electric motor. Hence, the reclaim crusher will not combust fossil fuels and no change in upstream or direct GHG emissions from the Buchanan plant will occur as a result of this permit modification. In addition, there are no reasonably foreseeable downstream or indirect emissions associated with the project subject to analysis under DAR-21.

### 2.3 Identification of GHG Emission Sources

The proposed reclaim crusher will not have the potential to emit GHGs as products of combustion or as a result of other processes. Therefore, the proposed modification will not result in any change in the Buchanan plant's potential to emit GHGs. No analysis of alternatives or mitigation measures is necessary.

#### 2.4 Identification of Co-Pollutant Emission Sources

Co-pollutants are defined by the CLCPA as "hazardous air pollutants produced by greenhouse gas emissions sources". Per guidance from the NYSDEC, all sources of HAP at a facility that emits GHG must be considered co-pollutant emission sources in a CLCPA Section 7(3) analysis.

The proposed reclaim crusher will have the potential to emit only particulate matter (PM) from the transfer, crushing and storage of reclaim board material. As such, there will be no change in the plant's co-pollutant emissions as a result of the proposed modification. No analysis of alternatives or mitigation measures is necessary

<sup>&</sup>lt;sup>3</sup> CLCPA Section §2, amending Environmental Conservation Law §75-0101.3; https://nyassembly.gov/leg/?default\_fld=&leg\_video=&bn=A08429&term=2019&Summary=Y&Actions=Y&Text=Y

## 3.1 Consistency With CLCPA

As demonstrated in this analysis, the application for modification of the Title V Permit for CertainTeed's Buchanan plant consists of the installation of an electrically powered reclaim crusher. The reclaim crusher will not combust fossil fuels and will generate PM emissions only as a result of its operation. Therefore, the proposed modification will not result in any change in potential GHG or co-pollutant emissions from the plant. Therefore, the proposed modification is consistent with the goals set forth by the CLCPA.

### **APPENDIX D: AIR PERMIT APPLICATION FORMS**



<b>DEC ID</b> 3 - 5 5 2 2 - 0 0 0 8 7	Application Type			Application Type State Facility  Title
	Section I - Certification			
	Certification			
I certify under penalty of law that this document and all the to assure that qualified personnel properly gather and evalugathering the information required to complete this applical penalties for submitting false Information, including the pos	ate the information submitted. Based on my in ion, I believe the information is true, accurate,	quiry of the p and complet	erson o	r persons directly responsible for
Responsible Official Paul Woolweaver		Title	Plant	Manager
Signature Urlha		Date	06-3	0-2023
	ofessional Engineer Certification	France S		
I certify under penalty of law that I have personally examine attachments as they pertain to the practice of engineering. I possibility of fines and Imprisonment for knowing violation	d, and am familiar with, the statements and in am aware that there are significant penalties i	formation sub or submitting	mitted i false in	in this document and all its formation, including the
Professional Engineer Brian S. Noel		NYS L	icense	No. 097494
Signature S. S. N.		Date	6-2	6-2023
	n II - Identification Informat	ion		
T	ype of Permit Action Requested			
New Renewal ✓ Significant Mo Application for the construction of a new fac				Minor Modification new emission unit(s)
The Windship Robert Blanch College	Facility Information			
Name CERTAINTEED GYPSUM BUCHANAN LLC				
Location Address 350 Broadway				
☑City / ☐ Town / ☐ Village Buchanan,	NY			Zip 10511
Owner/Fi	rm Information		n Hiji	Business Taxpayer ID
Name CERTAINTEED GYPSUM BUCHANAN, LL	С			6 1 1 7 1 8 9 2 3
Street Address 350 Broadway				
City Buchanan	State/Province NY	Country		Zip 10511
Owner Classification: Federal State	☐ Municipal ☐ Corporation/I	Partnership		Individual
0	wner/Firm Contact Information			The state of the state of
Name Scott Walton			Phone	8595126495
E-mail Address scott.walton@saint-gobain.	com		Fax	
Affiliation CERTAINTEED GYPSUM BUCHANAN	LLC	Title Re	gional	EHS Manager
Street Address 451 Broadway		1		
City Buchanan	State/Province NY	Country	USA	Zip 10511
	Facility Contact Information	14021		
Name Paul Woolweaver			Phone	(914) 804-4441
E-mail Address paul.woolweaver@saint-goba		1	Fax	
Affiliation CERTAINTEED GYPSUM BUCHANAN	LLC	Title Pla	nt Ma	nager
Street Address 350 Broadway			ucs	71: 40544
City Buchanan	State/Province NY	Country	USA	Zip 10511



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			applicati	on the facility	is in compliance	with all applicab	le requirement		
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					nplying units mus on required. For a		•		
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					ompliance plan po irements that wi			erm of the	e permit, this
facility w	vill meet such	h requiremen	nts on a ti	mely basis.			_		
	•				it least once per		t will certify con	npliance s	tatus with
respect	to each appn	cable require	ement, an		d used to determ licable Federal			Continu	eation Sheet(s)
Title	Туре	Part	Subpart			Paragraph	Subparagraph		Subclause
						<u> </u>			
Title	Туре	Part	Subpart		State Only Rec	Paragraph	Subparagraph	Clause	ation Sheet(s) Subclause
Title	Турс	rait	Support	Jection	Jupulyision	raiagiapii	200haraBrahii	Clause	Subclause

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										-		
										-		



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**Section IV - Emission Unit Information** 

		Emission Unit	Description	Continuation Sheet(s)			
Emission Unit	0 - 0 0 0 F 8						
	shed reclaim gypsum i	ugitive-reclaimed-gypsum parti material associated with the ne					
		Building In	formation	Continuation Sheet(s)			
Building ID		Building Name	Length (ft)	Width (ft) Orientation			
		NONE					
Emission Unit			ntaminant Name	Continuation Sheet(s)			
ERP (lbs/yr)	70h a 71 a 3	Potential to Emit		tual Emissions			
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)			
CAS Number		Cor	ntaminant Name				
ERP (lbs/yr)		Potential to Emit		tual Emissions			
2111 (100) 91)	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)			
CAS Number		Cor	ntaminant Name				
FDP (II. / )		Potential to Emit	Ac	tual Emissions			
ERP (lbs/yr)	(lbs/hr)		(lbs/hr)	(lbs/yr)			
CAS Number		Cor	ntaminant Name				
EDD /lbs/		Potential to Emit	Ac	Actual Emissions			
ERP (lbs/yr)	(lbs/hr)		(lbs/hr)	(lbs/yr)			

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Ground	E 10		(6.)	Height Ab	ove	Inside Diameter		Exit Temp. (°F)		, [	Cross 5		ction	
Elevation (ft)	He	eight	(ft)	Structure		(iı	n)	EXIT	remp. ( r	"「	Length (in)		١	Width (in)
	$\top$													
Exit Velocity	E	cit Flo	w		ши	Elania /					Distance to Prope	erty	Dat	a of Domonial
(FPS)		ACFN	-	NYTM (E) (	KM)	NYTM (	N) (KM)		Building		Line (ft)		Date	e of Removal
Emission Point		T	П		T.	A DE	200					HÀ	4	
Ground		_	Н	Height Ab	OVE	Inside D	iameter			П	Cr	oss Se	ction	
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Lievation (it)				00,000.0	()							$\neg$		
Fuit Malasitu	E	cit Flo	101						113/7	-	Distance to Prope	ertv	- 4	
Exit Velocity (FPS)		ACFIV		NYTM (E) (KM)		NYTM (	N) (KM)		Building		Line (ft)		Date	e of Removal
((15)	- 1	ACI IV	~			V 1950								
			_					10				Con	+im.u	ation Sheet(s)
									rol Inform		trol Type	L	_	ufacturer's
Emission So				Date of		ate of Date			Code		Description		Name/Model Number	
ID	Туре	-	Con	struction	Ope	eration	Remo	VdI	Code		Description	1401		ochopper
0 0 8 8 A						11.71.				14/00	ste Feed			aste Type
Design		-		Design Ca	_			-		was		Ca	de	Description
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Emission So		_		Date of		ete of	Date			Cont	trol Type	Na		Model Number
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			_			F 1 - 1 -				14/20	ste Feed		\A/-	ste Type
Design		-	-	Design Ca					Code	vvas	Description	Co	de	Description
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Emission So		-		Date of		ete of	Date Remo		Code	Com	Description	Na		Model Number
ID	Туре		Con	struction	Opt	eration	Kemo	¥ (3)	code		Description	7401		
Design Design Capacity Units								Was	ste Feed	100	Wa	iste Type		
Design	Code		10	Design Ca		iption			Code	vva:	Description	Co	de	Description
Capacity	Code		-	V 31/2	Desci	iption			Code		Description.			2 222 (19 11 27)



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			Proce	ess Informa	tion		Continu	ation Sheet(s)			
Emission Unit	0 - 0 0 0	Proces	s 88A								
			Proc	ess Descrip	tion						
This process include	des fugitive parti	culate matter em	issions	associated v	vith the o	operation of the l	Rotochopper's rec	laim grinder.			
Commercial	(000)	Total Th	rough	put		Through	out Quantity Units				
Source Classificat	ion Code (SCC)	Quantity/Hr	Quantity/Hr Quantity/Yr				Description				
30501	.503	65			0367		tons				
☐Confidential ✓Operating at M	laximum Capacit	Hours	/Day	Days/Ye	ear	Building	Floor/Lo	cation			
				n Point Ide	ntifier(c)			V			
			11135101	I FOIII IGG	itiliei (s)		T				
	Emission Source/Control Identifier(s)										
A8800											
Emission Unit			mil				Proces	S			
			Proc	ess Descrip	tion	. Lot 50 70					
Source Classificat	ion Code (SCC)	Total Th	roughp	out		Throughp	out Quantity Units	STATE OF THE			
Jource Classificat	ion code (see,	Quantity/Hr	Qu	iantity/Yr	Code		Description				
☐Confidential☐Operating at M	Floor/Lo	cation									
		Eı	nissior	n Point Ide	ntifier(s)						
		Emissio	on Sou	rce/Contro	l Identifi	ier(s)					
			+		+						

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31-13131212	-101010	dr-S-d	Process Em	ission Sumi	marv		Continuatio	n Sheet(s)	
Emission Unit	T-1 T	I I I I I I I I I I I I I I I I I I I	1100003 2111				Process		
CAS Number	Conta	minant Name	% Thruput	% Capture	% Control	ERP (lbs/hr)	ERP How Det	ermined	
Po	tential to E	mit	Standard		ial to Emit		ctual Emissions		
CAS Number	(lbs/yr)	(standard units)	Units	How Do	etermined	(lbs/yr)	(lbs	s/yr)	
Emission Unit	1-1-1				50 110		Process	ПТ	
CAS Number		minant Name	% Thruput	% Capture	% Control	ERP (lbs/hr)	ERP How Det	ermined	
		0.10							
Po	tential to Er	mit	Standard	Potent	ial to Emit	Act	tual Emissions		
CAS Number	(lbs/yr)	(standard units)	Units	How Do	etermined	(lbs/yr)	(lbs	s/yr)	
Emission Unit	1-11				0.0 1 1	mm (III - II-)	Process	annein ad	
CAS Number	Conta	minant Name	% Thruput	% Capture	% Control	ERP (lbs/hr)	ERP How Det	erminea	
						Acti	tual Emissions	TO THE	
Potential to Emit			Standard Units		ial to Emit etermined	(lbs/yr)		s/yr)	
CAS Number	(lbs/yr)	(standard units)	Office	110W D	eterrimiea	(103/ 91)	(10.	2/ 4 / 1	
		Emic	sion Source	Emissions	Summary		Continuation	n Sheet(s)	
Emission Source		EIIIIS	Sion Source	LIIIISSIOIIS	Julimilary		Process		
CAS Number	Conta	minant Name	% Thruput	% Capture	% Control	ERP (lbs/hr)	ERP How Det	ermined	
a b Hamber	001110								
Po	tential to Er	mit	Standard	Potent	ial to Emit	Act	tual Emissions		
CAS Number	(lbs/yr)	(standard units)	Units	How De	etermined	(lbs/yr)	(lbs	s/yr)	
<b>Emission Source</b>							Process		
CAS Number	Conta	minant Name	% Thruput	% Capture	% Control	ERP (lbs/hr)	ERP How Det	ermined	
	tential to Er		Standard		ial to Emit		tual Emissions	( )	
CAS Number	(lbs/yr)	(standard units)	Units	How Do	etermined	(lbs/yr)	(lbs	s/yr)	
Emission Source		100					Process		
CAS Number	Conta	minant Name	% Thruput	% Capture	% Control	ERP (lbs/hr)	ERP How Det	ermined	
Potential to Emit			Standard Pot		ial to Emit	Actual Emissions			
CAS Number	(lbs/yr)	(standard units)	Units	How De	etermined	(lbs/yr)	(lbs	s/yr)	

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	Emission		Emission	Er	nissior	Unit	Applicab	e Federa	Require	ments	Contin	uation	Sheet(s)
Emission Unit	Point	Process	Source	Title	Туре	Part	Subpart	Section	Subdiv.	Parag.	Subparag.	CI.	Subcl.
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0-000F8		88A	0088A	6	CRR-NY	211							
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			Emission L	Init Co		e Cita		tion	-	-	Lontini	ation	Sheet(s)
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pplicable Fe	deral Requi	ement			s	tate O	nly Requi	rement			Capping		
Emission Unit	Emission	Proc	cess	ssion	С	AS Nu	mber		C	nt Name			
	Point		So	urce									
		C E IC		Мо	nitori	ng Inf	ormatio	n	* II-				
Continuou	s Emission N	1onitoring							Device Pa	rameters	as a Surro	gate	
☐ Intermitte	nt Emission	Γesting		Wor	k Pract	ice Inv	olving Sp	ecific Ope	erations				
Ambient A	ir Monitorin	g		Reco	rd Kee	ping/l	Maintena	nce Proce	dures				
			C	omplia	ance A	ctivit	y Descri	ption					1.25
Work Practice		U. S.	Process Ma	terial	415	ALL			Fr. (200)		Trans.		Y-1
Type Code	Code			escripti	ion				Refe	erence Te	est Method		
Monitored Parameter								M	lanufactu	rer's Nan	ne/Model I	Numh	er
Code	Code Description							ici 3 itali	ne, model i	tuiii.			
									**				
Hanar	Limit		Code	_				Limit Un					
Upper	LO	wer	Code					L	Descriptio	n			
Aver	aging Metho	od I		Mo	nitorir	ng Fred	quency			Reportir	ng Requirer	nents	
Code	Descrip		Code		T T		cription		Code		Descri		
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		1	)eterm	ination	of No		plicabilit		Applicat	ions C	nly)	Contin	uation	Sheet(s)
						- 1	Rule Cita	tion	Ju., 11					
Title	Туре	Part	Su	bpart	Sec	tion	Subdivis	on Par	agraph	Subp	aragraph	Clause	Sub	clause
Émissi	on Unit	Emission	Point	Process	Emi	ssion	Source	Applica	ble Feder	al Requ	irement			
- manage of							][	State O	nly Requi	remen	t			
10 ==					No	n-Apr	licability	Descript	ion		. 11	-1		T Y A
				7-10-		==>	Rule Cita	tion		100				
Title	Туре	Part	Su	bpart	Sec	tion	Subdivis	on Par	agraph	Subp	aragraph	Clause	Sub	clause
	- "			•										
Fmissi	on Unit	Emission	Point	Process	Emi	ssion	Source	Applica	hle Feder	al Regu	irement			
LITIISSI	Emission Unit   Emission Point   Process   Emission Source   Applicable Federal Requirement   State Only Requirement													
100	Non-Applicability Description													
For an	y emissio			U.W.	17.71	Co	ompliance	e Plan				Contin	uation	Sheet(s)
		n units whi	ch are <u>n</u>	ot in com	plianc				lication, th	ne appli	[cant shall c		_	
Consent Order   Certified progress reports are to be submitted every 6 months beginning / /												omplete	_	lowing:
Fasiasias		n units whi	ch are <u>n</u> Emissio	Certified on	progr	e at th	e time of ports are	ermit app to be subr Applicable	nitted eve Federal I	ery 6 m Require	onths beg	omplete	the fol	lowing:
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<b>DE</b> 3 - 5 5 2 2	C ID  - 0 0 0 8 7				
		Request for Emission Redu	iction Cre	edits	Continuation Sheet(s)
Emission Source	e				
		Emission Reduction De	scription		
To be the second		Contaminant Emission Re	duction [		
B P B. S. d.	,				eduction
Baseline Period		to//	_	Date	Method
CACAL			3 - 4 - 3	EF	RC (lbs/yr)
CAS Number		Contaminant Name		Netting	Offset
		Facility to Use Future I	Reduction	1	
				Applic	ation ID
Name			-		
Location Address	<b>S</b>				
City / 🗌 To	wn/ 🗌 Village	s	tate		Zip
		Use of Emission Redu	iction Cre	edits	Continuation Sheet(s)
Emission Source	e				
		Proposed Project Des	cription		
		Contaminant Emissions I	ncrease D		
CAS Number		Contaminant Name		Project En	nission Potential (lbs/yr)
		Statement of Comp			
state regulations	including any con	ip of this "owner/firm" are operating apliance certification requirements u			
of 1990, or are m	eeting the schedu	lle of a consent order.		- 112-	
		Source of Emission Reductio	n Credit-l		······································
Name			1-1	Peri	mit ID
Location Address					
		I <sub>o</sub>			
□City / □Te	own/ UVillage	S	tate	CC	Zip RC (lbs/yr)
Emission Source	CAS Number	Contaminant Name		Netting	Offset
					Research Co.

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Supporting Documentation and Attachments						
Required Supporting Documentation	Date of Document					
List of Exempt Activities (attach form)						
☐ Plot Plan						
Process Flow Diagram						
☐ Methods Used to Determine Compliance (attach form)						
☑ Emissions Calculations	June 2023					
Optional Supporting Documentation	Date of Document					
☐ Air Quality Model						
☐ Confidentiality Justification						
Ambient Air Quality Monitoring Plan or Reports						
Stack Test Protocol						
Stack Test Report						
☐ Continuous Emissions Monitoring Plan						
Lowest Achievable Emission Rate (LAER) Demonstration						
☐ Best Available Control Technology (BACT) Demonstration						
Reasonably Available Control Technology (RACT) Demonstration						
Toxic Impact Assessment (TIA)						
☐ Environmental Rating Demonstration						
Operational Flexibility Protocol/Description of Alternate Operating Scenarios						
☐ Title IV Permit Application						
☐ Emission Reduction Credit (ERC) Quantification (attach form)						
☐ Baseline Period Demonstration						
☐ Use of Emission Reduction Credits (attach form)						
Analysis of Contemporaneous Emissions Increase/Decrease						
Other Supporting Documentation	Date of Document					
Climate Leadership and Community Protection Act Analysis	June 2023					
State Environmental Quality Review Act Short Environmental Assessment Form	June 2023					

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