Iowa Department of Natural Resources
Draft Title V Operating Permit Fact Sheet

This document has been prepared to fulfill the public participation requirements of 40 CFR Part 70 and 567 Iowa Administrative Code (IAC) 24.107(6). 40 CFR Part 70 contains operating permit regulations pursuant to Title V of the Clean Air Act.

The Iowa Department of Natural Resources (DNR) finds that:

1. Gold Bond Building Products, located at 1584 South 22nd Street, Fort Dodge, IA 50501 has applied for a Title V Operating Permit. The designated responsible official of this facility is Mark Dryer.
2. Gold Bond Building Products is a gypsum products facility. This facility consists of 41 emission units with potential emissions of:

Pollutant	**Abbreviation**	**Potential Emissions** (Tons per Year)
Particulate Matter (≤ 2.5 μm)	$PM_{2.5}$	67.46
Particulate Matter (≤ 10 μm)	PM_{10}	84.61
Particulate Matter	PM	107.17
Sulfur Dioxide	SO_2	75.95
Nitrogen Oxides	NO_x	106.27
Volatile Organic Compounds	VOC	69.68
Carbon Monoxide	CO	172.13
Lead	Lead	0.00
Hazardous Air Pollutants [(1)]	HAP	9.34

[(1)] May include the following: Formaldehyde and hexane.

3. Gold Bond Building Products submitted a Title V Operating Permit application on January 17, 2020 and any additional information describing the facility on October 22, 2025. Based on the information provided in these documents, DNR has made an initial determination that the facility meets all the applicable criteria for the issuance of an operating permit specified in 567 IAC 24.107.
4. DNR has complied with the procedures set forth in 567 IAC 24.107, including those regarding public notice, opportunity for public hearing, and notification of EPA and surrounding state and local air pollution programs.

DNR procedures for reaching a final decision on the draft permit:

1. The public comment period for the draft permit will run from December 11, 2025 through January 10, 2026. During the public comment period, anyone may submit written comments on the permit. Mail signed comments to Zane Peters at the DNR address shown below. The beginning date of this public comment period also serves as the beginning of the U.S. Environmental Protection Agency's (EPA) 45-day review period, provided the EPA does not seek a separate review period.
2. Written requests for a public hearing concerning the permit may also be submitted during the comment period. Any hearing request must state the person's interest in the subject matter, and the nature of the issues proposed to be raised at the hearing. DNR will hold a public hearing upon finding, on the basis of requests, a significant degree of relevant public interest in a draft permit. Mail hearing requests to Zane Peters at the DNR address shown below.
3. DNR will keep a record of the issues raised during the public participation process, and will prepare written responses to all comments received. The comments and responses will be compiled into a responsiveness summary document. After the close of the public comment period, DNR will make a final decision on the permit application. The responsiveness summary and the final permit will be available to the public upon request.

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DNR concludes that:

1. DNR has authority under 455B.133 Code of Iowa to promulgate rules contained in 567 IAC Chapters 21-33, including, but not limited to, rules containing emission limits, providing for compliance schedules, compliance determination methods and issuance of permits.
2. DNR has the authority to issue operating permits for air contaminant sources and to include conditions in such permits under 455B.134 Code of Iowa.
3. The emission limits included in this permit are authorized by 455B.133 Code of Iowa and 567 IAC Chapters 21-33.
4. DNR is required to comply with 567 IAC Chapter 24 in conjunction with issuing a Title V Operating Permit.
5. The issuance of this permit does not preclude the DNR from pursuing enforcement action for any violation.

Title V Application Review Notes

Applicant:	**Gold Bond Building Products, LLC**
SIC Code:	**3275**
City:	Fort Dodge
County:	Webster
EIQ#:	92-3754
Facility#:	94-01-015
Permit #:	Initial
Reviewer:	Zane Peters
Date:	11/6/2025

Background:

Gold Bond Building Products, LLC has applied for an initial Title V Operating Permit. The facility is a gypsum product manufacturing facility. The facility consists of 25 emission points and 7 insignificant emission units.

Title V Applicability

Pollutant	Major for Title V?
PM_{10}	☐
SO_2	☐
NO_x	☒
VOC	☐
CO	☒
Lead	☐
Individual HAP	☐
Total HAPs	☐

Program Applicability

- PSD: NO
- Title V: Yes; Gold Bond Building Products, LLC is classified as a "*synthetic minor source*".
- Part 61 NESHAP: NO
- NSPS: YES
  - 40 CFR 60 Subpart A – Standards of Performance for New Stationary Sources – General Provisions
  - 40 CFR 60 Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants
  - 40 CFR 60 Subpart UUU - Standards of Performance for Calciners and Dryers in Mineral Industries
- Major Source of HAPs: NO

- Part 63 NESHAP: Yes
    - 40 CFR 63 Subpart A – National Emission Standards for Hazardous Air Pollutants – General Provisions
    - 40 CFR 63 Subpart CCCCCC – National Emission Standards for Hazardous Air Pollutants – Gasoline Dispensing Facilities
- Acid Rain: NO
- Stratospheric Ozone Protection: NO
- Prevention of Accidental Releases: NO

Emission Point Comments

EPs 21, 22, 23, 24, 25 – These emission units are of the source type subject to the New Source Performance Standards (NSPS) Subpart UUU (Standards of Performance for Calciners and Dryers in Mineral Industries, 40 CFR §60.730 – 40 CFR §60.737). However, there are no applicable requirements from the rule as the unit has not been modified or reconstructed after April 23, 1986.

EP 28 - The Rock Transfer is a pan feeder, which receives rock directly from the trucks from the quarry, and transfers the rock to a belt conveyor. The rock transfer from truck to pan feeder is not subject to NSPS subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants. The transfer of rock from pan feeder to the belt conveyor is considered an affected unit (transfer point) under Subpart OOO as defined in 40 CFR §60.670 – 40 CFR §60.676. The required opacity test conducted per Subpart OOO was completed on 07/13/2020.

EPs 31-1, 31-2, 31-3, 31-4, 31-5, 31-6, 31-7 - These emission units are not subject to the New Source Performance Standards (NSPS) Subpart UUU (Standards of Performance for Calciners and Dryers in Mineral Industries, 40 CFR §60.730 – 40 CFR §60.737) because they are tunnel kilns. Facility is limited to 10,000 pounds of ink per 12 month rolling and 400,000 pounds of surfactant per 12 month rolling.

EP 44 - 300 gallon gas tank – Gasoline is used for miscellaneous equipment at the facility. This tank is subject to 40 CFR 63 Subpart CCCCCC. Added to Significant Activities list.

EP 48 is not subject to 40 CFR 60 Subpart OOO at this time because it does not meet the definition of a transfer point.

EPs 45, 46, 47 – Per 40 CFR 60.672(a) of Subpart OOO, affected facilities must meet the stack emission limit of 0.014 gr/dscf using EPA Method 5 within 60 days of achieving maximum production rate, but not later than 180 days after initial startup. Stack testing was completed on 12/29/2022.
Per 40 CFR 60.672(b) of Subpart OOO, affected facilities must meet the opacity limit of 7% for fugitive emissions without capture systems or that escape capture systems within 60 days of achieving maximum production rate, but not later than 180 days after initial startup. Opacity testing completed 08/12/2022.

EP 49 - These emission units are not subject NSPS subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants at this time as the emission units were built in 1976, which is prior to rule applicability date.

Periodic Monitoring Guidance

All periodic monitoring requirements are in accordance with the Department's Periodic Monitoring Guidance Document.

Emission Points subject to CAM at renewal may require an Agency O & M plan in the initial Title V permit.

EP 01 is a Rock Dryer with a baghouse (CE 01) to control emissions. According to the calculations submitted with the permit application, this emission unit is subject to CAM. The construction permit conditions have adequate period monitoring at this time, therefore the Department's Periodic Monitoring Guidance does not apply.

EP 03 is a Kettle with a baghouse (CE 03) to control emissions. According to the calculations submitted with the permit application, this emission unit is subject to CAM. The construction permit conditions have adequate period monitoring at this time, therefore the Department's Periodic Monitoring Guidance does not apply.

EP 04 is a Plaster Mixing/Transfer Process with a baghouse (CE 015) to control emissions. According to the calculations submitted with the permit application, this emission unit is subject to CAM. The construction permit conditions have adequate period monitoring at this time, therefore the Department's Periodic Monitoring Guidance does not apply.

EP 06 is an End Sawing Process with a baghouse (CE 06) to control emissions. According to the calculations submitted with the permit application, this emission unit is subject to CAM. The construction permit conditions have adequate period monitoring at this time, therefore the Department's Periodic Monitoring Guidance does not apply.

EPs 09-1, 09-2, 09-3 are Storage Silos with bin vent filters (CE 09-1, CE 09-2, CE 09-3) to control emissions. Due to the nature of these emission points, A Facility O & M Plan will be required for this issuance. However, the required monitoring within the Operating Requirements section is sufficient to satisfy this requirement.

EP 19 is a Landplaster System with a baghouse (CE 19) to control emissions. According to the calculations submitted with the permit application, this emission unit is subject to CAM. The construction permit conditions have adequate period monitoring at this time, therefore the Department's Periodic Monitoring Guidance does not apply.

EP 20 is a Hot Stucco System with a baghouse (CE 20) to control emissions. According to the calculations submitted with the permit application, this emission unit is subject to CAM. The construction permit conditions have adequate period monitoring at this time, therefore the Department's Periodic Monitoring Guidance does not apply.

EPs 21, 22, 23, 24, & 25 are Calcidynes with baghouses (CE 21, CE 22, CE 23, CE 24, CE 25) to control emissions. According to the calculations submitted with the permit application, this emission unit is subject to CAM. The construction permit conditions have adequate period monitoring at this time, therefore the Department's Periodic Monitoring Guidance does not apply.

EP 49 is a collection of Raymond Mills with baghouses (CE 02-1, CE 02-2, CE 02-3, CE 02-4, CE 02-5, CE 02-5) to control emissions. The construction permit conditions have adequate period monitoring at this time, therefore the Department's Periodic Monitoring Guidance does not apply.

Stack Testing

EP 31

Standard/Wax Wallboard Production [(2)]

Stack Testing:

Pollutant – Particulate Matter (PM)
Stack Test to be Completed by (date) – [(1)]
Test Method - 40 CFR 60, Appendix A, Method 5,
40 CFR 51, Appendix M, 201A with 202
Authority for Requirement - DNR Construction Permit 24-A-286

Pollutant – Particulate Matter (PM_{10} & $PM_{2.5}$)
Stack Test to be Completed by (date) – [(1), (3)]
Test Method - 40 CFR 51, Appendix M, 201A with 202
Authority for Requirement - DNR Construction Permit 24-A-286

[(1)] Within 60 days after achieving the maximum production rate but not later than 180 days after the initial startup date of the proposed equipment for the addition of new equipment or the physical modification of existing equipment or control equipment.
[(2)] The owner or operator shall conduct particulate matter testing during standard wallboard production and during wax wallboard production to demonstrate compliance with the applicable emission limits in Permit Condition 1, Table 3A.
[(3)] The owner or operator may conduct stack testing for total particulate matter (40 CFR 60, Appendix M, Method 5 and 40 CFR 51, Appendix M, Method 202) to demonstrate compliance with the PM10 and PM2.5 emission limits in Construction Permit Condition 1, Table 3A.

Silicone Wallboard Production [(2)]

Stack Testing:

Pollutant – Particulate Matter (PM)
Stack Test to be Completed by (date) – [(1)]
Test Method - 40 CFR 60, Appendix A, Method 5,
40 CFR 51, Appendix M, 201A with 202
Authority for Requirement - DNR Construction Permit 24-A-286

Pollutant – Particulate Matter (PM_{10} & $PM_{2.5}$)
Stack Test to be Completed by (date) – [(1), (3)]
Test Method - 40 CFR 51, Appendix M, 201A with 202
Authority for Requirement - DNR Construction Permit 24-A-286

Pollutant – Nitrogen Oxides (NOx)
Stack Test to be Completed by (date) – [(1)]
Test Method - 40 CFR 60, Appendix A, Method 7E
Authority for Requirement - DNR Construction Permit 24-A-286

Pollutant – Volatile Organic Compounds (VOC)
Stack Test to be Completed by (date) – [1] [4]
Test Method - 40 CFR 63, Appendix A, Method 320 or
40 CFR 60, Appendix A, Method 18
Authority for Requirement - DNR Construction Permit 24-A-286

Pollutant – Carbon Monoxide (CO)
Stack Test to be Completed by (date) – [1]
Test Method - 40 CFR 60, Appendix A, Method 10
Authority for Requirement - DNR Construction Permit 24-A-286

Pollutant – Hazardous Air Pollutants (HAP)
Stack Test to be Completed by (date) – [1] [4]
Test Method - 40 CFR 63, Appendix A, Method 320 or
40 CFR 60, Appendix A, Method 18
Authority for Requirement - DNR Construction Permit 24-A-286

[1] Within 60 days after achieving the maximum production rate but not later than 180 days after the initial startup date of the proposed equipment for the addition of new equipment or the physical modification of existing equipment or control equipment.
[2]The owner or operator shall conduct testing during silicone wallboard production to demonstrate compliance with the applicable emission limits in Permit Condition 1, Table 3B.
[3] The owner or operator may conduct stack testing for total particulate matter (40 CFR 60, Appendix M, Method 5 and 40 CFR 51, Appendix M, Method 202) to demonstrate compliance with the PM10 and PM2.5 emission limits in Construction Permit Condition 1, Table 3B.
[4] Prior to the VOC and HAP initial test, the owner or operator shall conduct a pretest survey on silicone wallboard using Method 207 (or other Department approved method) to determine the organic compounds present in the exhaust stream. Alternative approaches may be included in the test protocol for Department approval. All compounds that test below the detection limit shall be assumed to be emitting at a rate equal to the Method 320 or 18 detection limits.

EP 49

Pollutant – Particulate Matter (PM)
Stack Test to be Completed by (date) – [1]
Test Method - 40 CFR 60, Appendix A, Method 5, 40 CFR 51, Appendix M, Method 202
Authority for Requirement - DNR Construction Permit 24-A-285

Pollutant – Particulate Matter (PM_{10} & $PM_{2.5}$)
Stack Test to be Completed by (date) – [1]
Test Method - 40 CFR 51, Appendix M, 201A with 202
Authority for Requirement - DNR Construction Permit 24-A-285

[1] Within 60 days after achieving the maximum production rate but not later than 180 days after the initial startup date of the proposed equipment for the addition of new equipment or the physical modification of existing equipment or control equipment.