

## **FINAL DETERMINATION**

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### **1. PERMITTEE**

National Gypsum Co.  
6110 Commerce St.  
Tampa, FL 33616

### **2. PERMITTING AUTHORITY**

Environmental Protection Commission of Hillsborough County (EPCHC)  
3629 Queen Palm Dr.  
Tampa, FL 33619

### **3. PROJECT**

Air Permit No. 0570028-038-AC  
Minor Air Construction Permit

This permit categorizes the facility as a material handling operation and establishes the facility as a Synthetic Non-Title V source by inactivating the wallboard manufacturing operation. This permit also authorizes the handling of gypsum and crushing operations.

### **4. NOTICE AND PUBLICATION**

The EPCHC distributed a draft minor air construction permit package on July 14, 2017. The applicant published the Public Notice in the Tampa Bay Times on July 20, 2017. The EPCHC received the proof of publication on July 21, 2017. No requests for administrative hearings or requests for extensions of time to file a petition for administrative hearing were received.

### **5. COMMENTS**

No comments on the Draft Permit were received from the public or the applicant.

### **6. CONCLUSION**

The final action of the EPCHC is to issue the permit as drafted

**COMMISSION**

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Victor D. Crist, Vice-Chair  
Ken Hagan  
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Sam Elrabi, P.E.

**PERMITTEE**

National Gypsum Co.  
2001 Rexford Road  
Charlotte, NC 28211

Project No. 0570028-038-AC  
Minor Air Construction Permit  
Permit Expires: December 1, 2018

*Authorized Representative:*

John Corsi, Vice President of Manufacturing

Gypsum Rock Handling and Crushing Operations  
Hillsborough County, Florida

**PROJECT**

This is the final air construction permit, which categorizes the facility as a material handling operation and establishes the facility as a Synthetic Non-Title V source by inactivating the wallboard manufacturing operation. This permit also authorizes the handling of gypsum and crushing operations. The proposed project will be conducted at the existing facility, which is gypsum rock handling and crushing facility and is now categorized under Standard Industrial Classification Code No. 5032 – Brick, Stone and Related Construction Materials. The existing facility is located in Hillsborough County at 6110 Commerce St., Tampa, FL 33616. The UTM coordinates of the facility are 17, 348.8 km East, and 3082.69 km North.

This permit is organized into the following sections: Section 1 (General Information); Section 2 (Administrative Requirements); Section 3 (Emissions Unit Specific Conditions); and Section 4 (Appendices). Because of the technical nature of the project, the permit contains numerous acronyms and abbreviations, which are defined in Appendix A of Section 4 of this permit.

**STATEMENT OF BASIS**

This air pollution construction permit is issued under the provisions of: Chapter 403 of the Florida Statutes (F.S.) and Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297 of the Florida Administrative Code (F.A.C.). The permittee is authorized to conduct the proposed work in accordance with the conditions of this permit. This project is subject to the general preconstruction review requirements in Rule 62-212.300, F.A.C. and is not subject to the preconstruction review requirements for major stationary sources in Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality.

Upon issuance of this final permit, any party to this order has the right to seek judicial review of it under Section 120.68 of the Florida Statutes by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the Legal Department of the EPC at 3629 Queen Palm Drive, Tampa, Florida 33619, Phone 813-627-2600, Fax 813-627-260 and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The notice must be filed within 30 days after this order is filed with the clerk of the Department.

*Environmental Excellence in a Changing World*

**Roger P. Stewart Center**

**3629 Queen Palm Drive, Tampa, FL 33619 - (813) 627-2600 - [www.epchc.org](http://www.epchc.org)**

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**FINAL PERMIT**

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Executed in Tampa, Florida.

ENVIRONMENTAL PROTECTION  
COMMISSION OF HILLSBOROUGH COUNTY



Janet L. Dougherty  
Executive Director

## FINAL PERMIT

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### CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Air Permit package was sent by electronic mail, or a link to these documents made available electronically on a publicly accessible server, with received receipt requested before the close of business on the date indicated below to the following persons.

John Corsi – National Gypsum Co. [jmcorsi@nationalgypsum.com](mailto:jmcorsi@nationalgypsum.com)

Omana Taylor, P.E. –Environmental Technologies Group, Inc. [omana@comcast.net](mailto:omana@comcast.net)

James Phipps - National Gypsum Co. [jfphipps@nationalgypsum.com](mailto:jfphipps@nationalgypsum.com)

**FILING AND ACKNOWLEDGMENT FILED**, on this date, pursuant to Section 120.52(7), Florida Statutes, with the designated agency clerk, receipt of which is hereby acknowledged.



Clerk

8/4/2017

Date

## SECTION 1. GENERAL INFORMATION

### FACILITY DESCRIPTION

The existing facility consists of the following emissions units.

Facility ID No. 0570028	
ID No.	Emission Unit Description
060	Ship Unloading
106	Rock Crusher
113	Gypsum Handling and Storage Emission Point (EP) No. 1 – Pile to Hopper EP No. 2 – Hopper to Conveyor 1 EP No. 3 – Conveyor 1 to Crusher EP No. 4 - Crusher to Conveyor 2 EP No. 5 – Conveyor 2 to Pile EP No. 6 – Pile to Storage Building Pile EP No. 7 – Truck Loading
114	Portable Rock Crusher
115	Portable Rock Crusher Engine

New NGC, Inc. is a gypsum handling and crushing facility. The gypsum handling process begins by receiving gypsum rock or synthetic gypsum (by-product gypsum) from self-unloading ships. The ships' unloading conveyor belt transfers the material to New NGC Inc.'s outdoor storage pile. If the gypsum rock requires crushing, a front-end loader transfers the material from the pile to a below grade hopper. The hopper then transfers the gypsum rock to a partially enclosed conveyor, which conveys the material into the crusher. The crusher has an electrical driven engine.

After the gypsum rock is crushed, the material is transferred to a partially enclosed conveyor, which transfers the material to another outdoor pile. A front-end loader transfers this material and the synthetic gypsum to a storage pile located within a building, where the material is stored until it is ready to be shipped offsite. When ready to be loaded out, a front-end loader loads the material into a truck inside of the storage building.

In addition, the facility may bring a portable rock crusher onsite to crush gypsum. The crushing system will consist of a portable crusher and a diesel fuel fired engine. The crushing system may be owned by a different company under the authority of a valid Air General Permit and may be periodically relocate to New NGC to crush gypsum rock. The PM emissions from the crushing system will be controlled by the use of water sprays located at the crusher, screens, and conveyor transfer points.

Particulate matter emissions from the ship unloading conveyor and each stationary conveyor transfer point are controlled by a water spray system at each transfer point. Particulate matter emissions are also controlled by the use of partial enclosures on each of the stationary conveyor belts. In addition, a water spray system is installed at the outdoor storage pile to wet the gypsum as needed.

This project will modify the following emission units:

EU No.	Description
060	Ship Unloading
106	Rock Crusher

## SECTION 1. GENERAL INFORMATION

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EU No.	Description
113	Gypsum Handling and Storage  Emission Point (EP) No. 1 – Pile to Hopper EP No. 2 – Hopper to Conveyor 1 EP No. 3 – Conveyor 1 to Crusher EP No. 4 - Crusher to Conveyor 2 EP No. 5 – Conveyor 2 to Pile EP No. 6 – Pile to Storage Building Pile EP No. 7 – Truck Loading
114	Portable Rock Crusher
115	Portable Rock Crusher Engine

### FACILITY REGULATORY CLASSIFICATION

- The facility is not a major source of hazardous air pollutants (HAP).
- The facility does not operate units subject to the acid rain provisions of the Clean Air Act (CAA).
- Upon final issuance of this permit, the facility will no longer be classified as a Title V major source of air pollution in accordance with Chapter 62-213, F.A.C.
- The facility is not a major stationary source in accordance with Rule 62-212.400(PSD), F.A.C.

## SECTION 2. ADMINISTRATIVE REQUIREMENTS

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1. Permitting Authority: The permitting authority for this project is the Environmental Protection Commission of Hillsborough County. The mailing address is 3629 Queen Palm Dr., Tampa, Florida 33619. All documents related to applications for permits to operate an emissions unit shall be submitted to the Environmental Protection Commission of Hillsborough County.
2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Environmental Protection Commission of Hillsborough County at: 3629 Queen Palm Dr., Tampa, Florida 33619.
3. Appendices: The following Appendices are attached as a part of this permit: Appendix A (Citation Formats and Glossary of Common Terms); Appendix B (General Conditions); Appendix C (Common Conditions); Appendix D (Common Testing Requirements); Appendix 40 CFR 60 Subpart A; Appendix 40 CFR 60, Subpart OOO.
4. Applicable Regulations, Forms and Application Procedures: Unless otherwise specified in this permit, the construction and operation of the subject emissions units shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of: Chapter 403, F.S.; and Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296 and 62-297, F.A.C. Issuance of this permit does not relieve the permittee from compliance with any applicable federal, state, or local permitting or regulations.
5. New or Additional Conditions: For good cause shown and after notice and an administrative hearing, if requested, the EPCHC may require the permittee to conform to new or additional conditions. The EPCHC shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the EPCHC may grant additional time. [Rule 62-4.080, F.A.C.]
6. Modifications: The permittee shall notify the Compliance Authority upon commencement of construction. No new emissions unit shall be constructed and no existing emissions unit shall be modified without obtaining an air construction permit from the Department. Such permit shall be obtained prior to beginning construction or modification. [Rule 62-210.300(1), F.A.C.]
7. The facility shall not cause, suffer, allow, or permit the discharge of air pollutants that cause or contribute to an objectionable odor. An objectionable odor is defined as any odor present in the outdoor atmosphere which by itself or in combination with other odors, is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance. [Rules 62-210.200(186) and 62-296.320(2), F.A.C.]
8. Construction and Expiration: The expiration date shown on the first page of this permit provides time to complete the physical construction activities authorized by this permit, complete any necessary compliance testing, and obtain an operation permit. Notwithstanding this expiration date, all specific emissions limitations and operating requirements established by this permit shall remain in effect until the facility or emissions unit is permanently shut down. For good cause, the permittee may request that a permit be extended. Pursuant to Rule 62-4.080(3), F.A.C., such a request shall be submitted to the EPCHC in writing before the permit expires. [Rules 62-4.070(3) & (4), 62-4.080 & 62-210.300(1), F.A.C.]
9. Application for an Air Operating Permit: Subsequent to any construction, reconstruction or modification of a facility or emissions unit authorized by an air construction permit, and demonstration of compliance with the conditions of such air construction permit, the owner or operator of such facility or emissions unit shall obtain an initial air operation permit in accordance with all applicable provisions of Chapter 62-

## SECTION 2. ADMINISTRATIVE REQUIREMENTS

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210 and Chapter 62-4, F.A.C. The operating permit application shall be submitted within 60 days of completion of compliance testing or at least 90 days prior to the expiration date of this permit, whichever occurs first. [Rules 62-210.300(2) and 62-4.070(3), F.A.C.]

10. The permittee shall comply with the following requirements: [40 CFR 60.7 and 60.11 and Rule 62-204.800, F.A.C.]
  - A) The permittee shall furnish the EPC written notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in 40 CFR 60.14(e). This notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The EPCHC may request additional relevant information subsequent to this notice. [40 CFR 60.7(a)(4)]
  - B) The opacity standards set forth in this permit shall apply at all times except during periods of startup, shutdown, malfunction, and as otherwise provided in the applicable standard. [40 CFR 60.11(c)]
  - C) At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. [40 CFR 60.11(d)]
11. All reasonable precautions shall be taken to prevent and control generation of unconfined emissions of particulate matter in accordance with the provision in Rule 62-296.320, F.A.C. These provisions are applicable to any source, including, but not limited to, vehicular movement, transportation of materials, construction, alterations, demolition or wrecking, or industrial related activities such as loading, unloading, storing and handling. Reasonable precautions shall include, but not be limited to, the following: [Rule 62-296.320(4)(c), F.A.C. ]
  - A) All gypsum shall be adequately wetted during transporting, unloading, storage, handling, and crushing to control visible emissions to 5% opacity or less.
  - B) A dedicated sprinkler system shall be available at all times to wet the outdoor gypsum storage pile as needed to control visible emissions to 5% opacity or less.
  - C) A dedicated sprinkler system for each conveyor transfer point associated with the handling of gypsum shall be available for use at all times and be in use when necessary to control visible emissions to 5% opacity or less.
  - D) Utilizing enclosures on any portions of the conveyor system located outside of a building.
  - E) Minimizing, to the extent possible, the use of front end loaders and bulldozers.
  - F) Roadways (plant grounds and Commerce Street) shall be swept or wetted by a water spreading vehicle, or other appropriate means, as needed to control re-entrainment of the gypsum due to vehicular traffic.
  - G) Curtailing loading/unloading operations if winds are entraining particulate matter from these activities.
  - H) A water spray ring and shrouds shall be used at the ship unloading drop point as necessary to control visible emissions to 5% opacity or less.
  - I) Minimizing, to the extent possible, the material drop height from ship unloading (from the belt discharge to the top of the storage pile).



## SECTION 2. ADMINISTRATIVE REQUIREMENTS

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- J) Minimizing the drop height into trucks while loading gypsum into trucks.
12. When the Environmental Protection Commission of Hillsborough County (EPC) after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in Rules 62-204, 62-210, 62-212, 62-296, or 62-297, F.A.C., or in a permit issued pursuant to those rules is being violated, it may require the owner or operator of the source to conduct compliance tests which identify the nature and quantity of pollutant emissions from the source and to provide a report on the results of said tests to the EPC. [Rule 62-297.310(8)(c), F.A.C.]
  13. The permittee must submit to the Environmental Protection Commission of Hillsborough County each calendar year, a completed DEP Form 62-210.900(5), "Annual Operating Report (AOR) for Air Pollutant Emitting Facility", for the preceding calendar year. The AOR shall be submitted by April 1 of the following year. [Rule 62-210.370(3), F.A.C.]
  14. If the permittee wishes to transfer this permit to another owner, an "Application for Transfer of Permit" (DEP Form 62-210.900(7)) shall be submitted, in duplicate, to the Environmental Protection Commission of Hillsborough County within 30 days after the sale or legal transfer of the permitted facility. [Rule 62-4.120, F.A.C.]

### SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS

#### A. EU No. 060, 106, 113 – Gypsum Unloading, Stationary Crushing and Handling

This section of the permit addresses the following emissions units.

EU No.	Description
060	Ship Unloading
106	Rock Crusher
113	Gypsum Handling and Storage  Emission Point (EP) No. 1 – Pile to Hopper EP No. 2 – Hopper to Conveyor 1 EP No. 3 – Conveyor 1 to Crusher EP No. 4 - Crusher to Conveyor 2 EP No. 5 – Conveyor 2 to Pile EP No. 6 – Pile to Storage Building Pile EP No. 7 – Truck Loading

#### PERFORMANCE RESTRICTIONS

- Permitted Capacity:** As requested by the permittee, the following limitations apply: [Rules 62-4.070(3), F.A.C. and 62.210-200(PTE), F.A.C. and Permit Application Received June 13, 2017]
  - The facility shall handle only gypsum rock and synthetic gypsum (by-product gypsum).
  - The maximum combined throughput of gypsum rock and synthetic gypsum shall not exceed 800,000 tons per twelve consecutive month period.
  - The maximum ship unloading rate shall not exceed 2,500 tons/hour.
- The crusher (EU No. 106) shall operate on electricity only. [Rules 62-4.070(3), F.A.C. and 62-210.200(PTE) and Permit Application Received June 13, 2017]
- Restricted Operation:** The hours of operation are not limited (8,760 hours per year). [Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.]

#### EMISSIONS STANDARDS

- Visible emissions from any emission unit, transfer point, and any material handling activity shall not exceed 5% opacity. [Rule 62-4.070(3), F.A.C. and Ch. 1-3.52.2. of the Rules of the EPCHC]

#### TESTING

- In order to demonstrate compliance with Specific Condition No. 4., test each emission unit for visible emissions the first time material is processed through each emissions unit and submit two copies of the test data to the Air Management Division of the Environmental Protection Commission of Hillsborough County within forty-five days of such testing. Testing procedures shall be consistent with the requirements of Rule 62-297.310, F.A.C. Each visible emissions test shall be a minimum of thirty (30) minutes. [40 CFR 60.675(c)(3) and (d)(1); 40 CFR 60.676(f); and Rules 62-297.310(8)(a)2. and (10) and 62-4.070(3), F.A.C.]
- Testing of emissions shall be conducted with the sources operating at capacity. For the ship unloading operation, capacity is defined as 90-100% of the rated capacity listed in Specific Condition No. 1. For the material handling

### SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS

#### A. EU No. 060, 106, 113 – Gypsum Unloading, Stationary Crushing and Handling

operation (EU No. 113) and the crusher (EU 106), capacity shall be determined during the emission unit's visible emissions test required by Specific Condition No. 5. If it is impracticable to test at the testing capacity, an emissions unit may be tested at less than the testing capacity. If an emissions unit is tested at less than the testing capacity, another emissions test shall be conducted and completed no later than 60 days after the emissions unit operation exceeds 110% of the capacity at which its most recent emissions test was conducted. Failure to submit the emission unit and emission point number tested and the throughput rate during the test may invalidate the test. [Rules 62-4.070(3) and 62-297.310, F.A.C.]

7. **Test Methods:** Required tests shall be performed in accordance with the following reference method.

Method	Description of Method and Comments
9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above method is described in Appendix A of 40 CFR 60 and is adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the EPCHC. [40 CFR 60.11(b), 40 CFR 60.675(b), Rules 62-4.070(3) and 62-204.800, F.A.C.; and Appendix A of 40 CFR 60]

8. When performing the visible emissions test specified in Specific Condition No. 5. above, the permittee shall use EPA Method 9, with the following additions: [40 CFR 60.675(c) and Rules 62-4.070(3) and 62-204.800, F.A.C.]
- A) The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).
  - B) The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9 of Appendix A-4 of 40 CFR 60, Section 2.1) must be followed.
  - C) For affected facilities using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible.
9. At least 15 days prior to the date on which each required emissions test is to begin, the owner or operator shall notify the EPCHC, unless shorter notice is agreed to by the EPCHC. The notification shall include the date, time, place of each such test, Facility ID Number, Emission Unit ID Number(s) and description(s), Emission Point Number(s) and description(s), test method(s), pollutant(s) to be tested, along with the name and telephone number of the person who will be responsible for conducting such test(s) for the owner or operator. If a scheduled emissions test needs to be re-scheduled, the owner or operator shall submit to the appropriate air compliance program a revised notification at least seven days prior to the re-scheduled emissions test date or arrange a re-scheduled test date with the appropriate air compliance program by mutual agreement. In addition, tests shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit. [Rule 62-297.310(9), F.A.C.]

#### MONITORING REQUIREMENTS

10. The permittee shall perform monthly inspections on each water spray system to check that water is flowing to the discharge spray nozzles in each water spray system. The permittee must initiate corrective action(s) within 24 hours and complete the corrective action(s) as expediently as practical, if it is found that water is not flowing properly during the inspection of the water spray nozzles. Records of each inspection of the water

### SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS

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#### A. EU No. 060, 106, 113 – Gypsum Unloading, Stationary Crushing and Handling

spray nozzles, including the date of each inspection and any corrective actions taken, shall be maintained for a minimum of three years and be made available upon request to the EPCHC, state, or federal agency. [40 CFR 60.674(b) and Rule 62-4.070(3), F.A.C.]

#### RECORDS AND REPORTS

- 11. Test Reports:** The permittee shall prepare and submit reports for all required tests in accordance with the requirements specified in Appendix D (Common Testing Requirements) of this permit. For each test run, the report shall also indicate the following: [Rule 62-297.310(10), F.A.C.]
- A) The emission unit number and the emission point, as applicable, tested.
  - B) The type of material handled (gypsum rock or synthetic gypsum).
  - C) The hourly throughput rate through the emission unit during the test.
  - D) Information on whether water sprays were used during the test.
- 12.** The permittee shall maintain daily records in order to ensure compliance with Specific Condition Nos. 1. and 10. The records shall include, as a minimum, the following information and shall be made available for inspection upon request by the Environmental Protection Commission of Hillsborough County, state, or federal agency for at least three years. The records shall include, as a minimum: [40 CFR 60.676(b)(1) and Rules 62-4.070(3), and 62-4.160(14), F.A.C.]
- A) Day, Month
  - B) Monthly total amount of gypsum (natural and synthetic gypsum) received at the facility (tons)
  - C) Monthly total amount of gypsum (natural and synthetic gypsum) crushed (tons)
  - D) Monthly total amount of gypsum (natural and synthetic gypsum) loaded into trucks (tons)
  - E) Twelve month rolling total of B) through D) above
  - F) Records as required by Specific Condition No. 10. above.

### SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS

#### B. EU No. 114 and 115 – Portable Rock Crusher and Engine

This section of the permit addresses the following emissions units.

EU No.	Description
114	Portable Rock Crusher
115	Portable Rock Crusher Engine

#### PERFORMANCE RESTRICTIONS

1. Permitted Capacity: The maximum material throughput through the crushing unit shall not exceed 320,000 tons per any consecutive 12-month period. [Rule 62-4.070(3), F.A.C. and Permit Application Received June 13, 2017]
2. Fuel Usage: The total fuel usage for EU 115 (diesel engine associated with the crusher) shall not exceed 64,064 gallons per any 12 consecutive month period of virgin No. 2 diesel fuel. [Rules 62-4.070(3), F.A.C. and Permit Application Received June 13, 2017]
3. Hours of Operation: The hours of operation for the crushing unit (including the diesel engine) are not limited. [Rule 62-4.070(3), F.A.C. and Permit Application Received June 13, 2017]
4. No portable rock crushing plant shall be operated at New NGC, Inc. without having its own current Florida Air General Permit. The crushing plant is subject to all the terms and conditions of its current Florida Air General Permit and any applicable conditions contained in this permit. [Rule 62-4.070(3), F.A.C.]

#### EMISSIONS STANDARDS

5. The crushing unit is subject to the requirements of 40 CFR 60, Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants and the general provisions of 40 CFR 60, Subpart A, if the capacity of the crushing unit is greater than 150 tons/hour. [Rule 62-204.800(8)(b)68., F.A.C.]
6. For each eligible company under the provision of the nonmetallic mineral processing plant air general permit brought to New NGC, Inc. for rock crushing operation, the company or New NGC, Inc. shall notify the EPC by telephone, e-mail, fax, or written communication at least one (1) business day prior to changing location and transmit (by e-mail, fax, post, or courier) a Facility Relocation Notification Form (DEP Form No. 62-210.900(6)) to the EPC no later than five (5) business days following relocation. [Rule 62-210.310(5)(e)3.f., F.A.C.]
7. Visible emissions shall not exceed the following: [Rule 62-296.711, F.A.C., Chapter 1-3.52 of the Rules of the EPCHC, 40 CFR 60.672, and Permit Application Received June 13, 2017]

EU ID No.	Emission Point Number	Emission Point Description	Opacity
114	EP 01	Hopper	5%
114	EP 02	Main Conveyor	5%
114	EP 03	Side Conveyor	5%
114	EP 04	Main Conveyor Drop	5%

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**SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS**

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**B. EU No. 114 and 115 – Portable Rock Crusher and Engine**

<b>EU ID No.</b>	<b>Emission Point Number</b>	<b>Emission Point Description</b>	<b>Opacity</b>
114	EP 05	Side Conveyor Drop	5%
114	EP 06	Recirculate Conveyor	5%
114	EP 07	Recirculate Conveyor Drop	5%
114	EP 08	Transfer Conveyor 1	5%
114	EP 09	Transfer Conveyor 2	5%
114	EP 10	Screener 1	5%
114	EP 11	Fines Conveyor	5%
114	EP 12	Fines Conveyor Drop	5%
114	EP 13	Crusher	5%
115	NA	Portable Rock Crusher Engine	20%

*Note: For EU 004, the opacity limit of 5% of Chapter 1-3.52 is more stringent than, and therefore, meets the requirements of 40 CFR Subpart 000*

**TESTING**

8. In order to demonstrate compliance with the opacity standards for the Crushing System and Diesel Engine in Specific Condition No. 7., test the Emission Points listed in Specific Condition No. 7. for visible emissions using EPA Method 9 and as follows. [Rules 62-4.070(3) and 62-297.310(7)(a)4.a., F.A.C.]
- A) Test each emission point the first time gypsum rock is handled through the portable crusher and annually thereafter. Submit two copies of the test data to the Air Management Division of the Environmental Protection Commission of Hillsborough County with 45 days of such testing. Testing procedures shall be consistent with the requirements of 40 CFR 60 Subpart 000 and Rule 62-296.711(3), F.A.C.
- Or,
- B) If the portable crusher has a valid VE test, which was performed while crushing gypsum, within the most recent twelve month period, New NGC, Inc. may submit a copy of the most recent VE test report to demonstrate compliance with the visible emissions standard specified in Specific Condition No. 7.
9. In determining compliance with Specific Condition No. 7., the permittee shall use Method 9 and the procedures in 40 CFR 60.11, with the following additions: [40 CFR 60.675(c)(1)(i), (ii) and (iii)]
- A) The minimum distance between the observer and the emissions source shall be 4.57 meters (15 feet).
- B) The observer shall, when possible, select a position that minimizes interference from other fugitive emissions units (e.g., road dust). The required observer position relative to the sun Method 9, Section 2.1) must be followed.
- C) For affected emissions units using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible.

### SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS

#### B. EU No. 114 and 115 – Portable Rock Crusher and Engine

10. The visible emissions tests shall be conducted by a certified observer and be a minimum of thirty (30) minutes in duration. The test observation period shall include the period during which the highest opacity can reasonably be expected to occur. [40 CFR 60.675(c)(3) and Rule 62-297.310(7), F.A.C.]
11. Testing of emissions shall be conducted at 90-100% of the crusher's rated capacity. If it is impracticable to test at the testing capacity, an emissions unit may be tested at less than the testing capacity. If an emissions unit is tested at less than the testing capacity, another emissions test shall be conducted and completed no later than 60 days after the emissions unit operation exceeds 110% of the capacity at which its most recent emissions test was conducted. Failure to submit the throughput rates during the test may invalidate the test. [Rules 62-4.070(3) and 62-297.310, F.A.C.]
12. Test Methods: Required tests shall be performed in accordance with the following reference methods.

Method	Description of Method and Comments
9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above method is described in Appendix A of 40 CFR 60 and is adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the EPCHC. [Rules 62-4.070(3) and 62-204.800, F.A.C.; and Appendix A of 40 CFR 60]

13. At least 15 days prior to the date on which each required emissions test is to begin, the owner or operator shall notify the EPCHC, unless shorter notice is agreed to by the EPCHC. The notification shall include the date, time, place of each such test, Facility ID Number, Emission Unit ID Number(s) and description(s), Emission Point Number(s) and description(s), test method(s), pollutant(s) to be tested, along with the name and telephone number of the person who will be responsible for conducting such test(s) for the owner or operator. If a scheduled emissions test needs to be re-scheduled, the owner or operator shall submit to the appropriate air compliance program a revised notification at least seven days prior to the re-scheduled emissions test date or arrange a re-scheduled test date with the appropriate air compliance program by mutual agreement. In addition, tests shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit. [Rule 62-297.310(9), F.A.C.]

#### MONITORING REQUIREMENTS

14. The permittee shall install and use a water suppression system at the crusher, screens, and conveyor transfer points as follows as necessary to reduce unconfined PM emissions and limit the visible emissions to 5% opacity or less. The water flow rate shall be increased as necessary to meet the visible emissions standards. New NGC, Inc. shall ensure that an adequate supply of water is available prior to each operation. [40 CFR 60.674(b), Rule 62-210.310(5)(e)3.e., F.A.C., Rule 62-4.070(3), F.A.C., and Rule 1-3.52, Rules of the EPCHC]
- A) The permittee shall perform periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. The owner or operator shall initiate corrective action within 24 hours and complete corrective action as expediently as practical if the owner or operator finds that water is not flowing properly during an inspection of the water spray nozzles. The owner or operator must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken, in the records required in Specific Condition No. 16.
- B) If the permittee ceases operation of the water sprays or is using a control mechanism to reduce fugitive emissions other than water sprays during the inspection (for example, water from recent

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### SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS

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rainfall), the records required in Specific Condition No. 16. shall specify the control mechanism being used instead of the water sprays.

#### RECORDS AND REPORTS

**15. Test Reports:** The permittee shall prepare and submit reports for all required tests in accordance with the requirements specified in Appendix D (Common Testing Requirements) of this permit. The test results shall be submitted to the Air Compliance Section of the EPC within forty-five (45) days of testing. For each test run, the report shall also indicate the following: [Rule 62-297.310(10), F.A.C.]

- A) The amount of material crushed during the test (tons)
- B) The amount of fuel used by the diesel engine during the test (gallons)
- C) Information on whether there were water sprays in use at the transfer points during the test

**16.** In order to demonstrate compliance with Specific Condition Nos. 2., 3., and 4., the permittee shall maintain daily records of operation for the crushing system for the most recent three year period. The records shall be made available to the Environmental Protection Commission of Hillsborough County, state, or federal agency upon request. The records shall include, but not limited to, the following: [40 CFR 60.676(b)(1), Rules 62-210.300(3)(c)2.g. and 62-4.070(3), F.A.C.]

- A) Day, month, year
- B) Hours of operation of the crushing system
- C) Fuel consumption of the crushing system: fuel type and amount used
- D) Amount of rock processed by the crushing system (tons/day)
- E) Monthly summary and rolling 12 consecutive month total for items B) through D) above
- F) Records of the inspections required under Specific Condition No. 14., including dates and any corrective actions taken, in a logbook (in written or electronic format). The owner or operator must keep the records on site and make hard or electronic copies (whichever is requested) of the records available upon request.



