FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

NORTHEAST DISTRICT
8800 BAYMEADOWS WAY WEST, SUITE 100
JACKSONVILLE, FLORIDA 32256

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SECRETARY

Sent by Electronic Mail – Received Receipt Requested

PERMITTEE

New Millennium Building Systems, LLC
6115 County Road 42
Butler, Indiana 46721

Authorized Representative:
Mark Ripke, General Manager

Air Permit No. 0230046-006-AC
Permit Expires: xx/xx/xxxx

Lake City
Air Construction Permit
(2) Portable Plasma Cutters

This is the final air construction permit, which authorizes the use of (2) Portable Plasma Cutters to make precision cuts to sections of mild carbon steel to be used in the joist manufacturing line. The proposed work will be conducted at the Lake City, which is a Fabricated Metal Product (Standard Industrial Classification No. 3441). This facility is located at 1992 NW Bascom Norris Drive, Lake City, Columbia County, Florida; UTM Coordinate: Zone 17, 342.72 km East and 3340.64 km North; and, Latitude: 30°12’06” North and Longitude: 82°40’03” West.

This final permit is organized by the following sections.

Section 1. General Information

Section 2. Administrative Requirements

Section 3. Emissions Unit Specific Conditions

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.

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 clerk of the Department of Environmental Protection in the Office of General Counsel (Mail Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000) 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.

Executed in Jacksonville, Florida

(**DRAFT**)

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Richard S. Rachal III, P.G.
Permitting Program Administrator- Northeast District

FILING AND ACKNOWLEDGEMENT & CERTIFICATE OF SERVICE

Filed on this date pursuant to § 120.52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged. The undersigned hereby certifies that this Construction permit and all copies were sent before the close of business on **DRAFT** to the listed persons.

DRAFT

_____ _____

Clerk Date

Mark Ripke, General Manager- CMC Steel Fabricators, Inc DBA CMC Joist and Deck (mark.ripke@cmc.com)
AJ Hansborough, Consultant - Trinity Consultants (ahansborough@trinityconsultants.com)
Michael Ballenger, P.E. - Trinity Consultants (mballenger@trinityconsultants.com)
Fran Kuerzi, Safety Coordinator – New Millennium Building Systems, LLC (fran.kuerzi@newmill.com)

FACILITY AND PROJECT DESCRIPTION

Existing Facility

New Millennium manufacture steel joist, girders, bridging and decking.

Steel Decking Manufacturing (Emissions Unit 001). Raw steel coil is "uncoiled" and fed into the line where it passes through three (3) cleaning tanks, identified as the "Pre-Wash Tank," the "Wash Tank," and the "Rinse Tank." These tanks use heated water baths to remove the oily coating and surface impurities that are on the steel when it is received. Phosphoric acid cleaner is used to aid in cleaning the steel.

The steel is then fed through a rollcoater (RC1) that applies a surface preparation that promotes bonding of the paint and helps to prevent corrosion. The steel then passes through the first paint rollcoater (RC2) where paint is applied, and depending upon the job requirement, followed by a second rollcoater (RC3) for second paint application. After the paint rollcoaters, the steel may be coated with evaporative oil (EO), depending on the paint scenario. Edge Sealer (ES) may also be used as final rust protection measure.

Steel Joist Manufacturing (Emissions Unit 002). The facility receives steel into a warehouse area via railcar and truck. The accessories department slits the steel, then forms it into angle or channel shapes, which are the primary parts used on the joist lines to make joists and girders. Steel is assembled into a joist at the rigging area. The assembled joist is welded together and moved down by conveyor to the dip paint tank. This facility has six (6) dip paint tanks that vary in sizes. The table below shows the size of the tanks.

Welding Processes (**Emissions Point 02**). The facility consists of equipment associated with the welding processes such as metal inert gas (MIG) wire which contain manganese (HAP). At various points in the assembling process the steel joists and girders are welded together prior to going to the dip tanks. V.E. testing is required on a graduated schedule (daily, weekly, monthly, quarterly and yearly). Compliance status must be reported annually with the annual certification and compliance report.

Facility ID No. 0230046

ID No.	Emission Unit Description
001	Metal coil surface coating process
002	Dip tank coating process (**EP02 Welding Processes**)

Proposed Project

Air construction permit, which authorizes the use of (2) Portable Plasma Cutters to make precision cuts to sections of mild carbon steel to be used in the joist manufacturing line. The Portable Plasma Cutters will be used by production staff on an intermittent basis to "bevel" steel before welding.

This project will add the following emissions unit.

Facility ID No. 0230046

ID No.	Emission Unit Description
xx	(2) Portable Plasma Cutters

FACILITY REGULATORY CLASSIFICATION

- The facility **is not** a major source of hazardous air pollutants (HAP).
- The facility **has no** units subject to the acid rain provisions of the Clean Air Act (CAA).
- The facility **is** a Title V major source of air pollution in accordance with Chapter 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 (DRAFT)

1. Permitting Authority: The permitting authority for this project is the Florida Department of Environmental Protection (Department), Northeast District Office, Permitting Program. The Northeast District Office's mailing address is 8800 Baymeadows Way West, Suite 100, Jacksonville, Florida 32256. All documents related to applications for permits to operate an emissions unit shall be submitted to the Northeast District Office.

2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Northeast District Office, Compliance Assurance. The mailing address and phone number of the Northeast District Office is: 8800 Baymeadows Way West, Suite 100, Jacksonville, Florida 32256 and Phone Number 904) 256-1700.

3. Appendices: The following Appendices are attached as part of this permit:

   a. Appendix A. Citation Formats and Glossary of Common Terms;

   b. Appendix B. General Conditions;

   c. Appendix C. Common Conditions; and

   d. Appendix D. Common Testing Requirements.

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 Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department 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. [Rules 62-210.300(1) and 62-212.300(1)(a), F.A.C.]

7. Source Obligation:

   (a) At such time that a particular source or modification becomes a major stationary source or major modification (as these terms were defined at the time the source obtained the enforceable limitation) solely by virtue of a relaxation in any enforceable limitation which was established after August 7, 1980, on the capacity of the source or modification otherwise to emit a pollutant, such as a restriction on hours of operation, then the requirements of subsections 62-212.400(4) through (12), F.A.C., shall apply to the source or modification as though construction had not yet commenced on the source or modification.

   (b) At such time that a particular source or modification becomes a major stationary source or major modification (as these terms were defined at the time the source obtained the enforceable limitation) solely by exceeding its projected actual emissions, then the requirements of subsections 62-212.400(4) through (12), F.A.C., shall apply to the source or modification as though construction had not yet commenced on the source or modification.

   [Rule 62-212.400(12), F.A.C.]

Portable Plasma Cutters

This section of the permit addresses the following emissions unit.

ID No.	Emission Unit Description
xx	(2) Portable Plasma Cutters

EQUIPMENT

1. **Authorized Work**. The permittee is authorized to use (2) Portable Plasma Cutters to make precision cuts to sections of mild carbon steel to be used in the joist manufacturing line.

   This construction shall be in accordance with the application and associated documents provided to the Permitting Authority for the issuance of this permit. Any changes to the project that are contrary to these documents and permit shall be reported in writing to the Permitting Authority by the P.E. of Record.

   {NOTE: The Portable Plasma Cutters emissions were based off of a PakMaster 150XL Model. The facility may use an equivalent unit.}

   [Application No. 0230046-006-AC]

PERFORMANCE RESTRICTIONS

2. **Hours of Operation**. The hours of operation of are not limited (8760 hours per year).

   [Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.]

EMISSIONS STANDARDS

3. **Emissions Standards**. This EU is subject to a visible emissions standard of less than 20% Opacity. A visible emissions compliance test shall be required upon Department request if after investigation, the Department has good reason (such as complaints, increased visible emissions) to believe that the VE standard is being violated in accordance with Rule 62-297.310(7)(b), F.A.C.- Special Compliance Tests.

   [Rule 62-296.320(4)(b)1., F.A.C.]

TESTING REQUIREMENTS

4. **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 methods are described in Appendix A-4of 40 CFR 60 and are 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 Department. [Rules 62-204.800 and Appendix A-4 of 40 CFR 60]

5. **Visible Emissions- EPA Method 9- Required Sampling Time:** The required minimum period of observation for each compliance test shall be thirty (30) minutes or, if the operation is normally completed in less than 30 minutes and does not recur within that time, the period of observation shall be equal to the duration of the batch cycle or operation completion time. The opacity test observation period shall include the period during which the highest opacity emissions can reasonably be expected to occur.

[Rules 62-297.310(4)(a)2., and 2.a., F.A.C.]

RECORDS AND REPORTS

6. **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 maximum production/ throughput rate.

[Rule 62-297.310(8), F.A.C.]

7. This EU is subject to SECTION 2. Administrative Requirements of this permit and also, the attached Appendix.

8. The permittee shall submit to the Air Compliance Authority of this Office electronic or written notification of the specific Make and Model Nos. of the (2) Portable Plasma Cutters. Submit this notification within 30-days after installation of the Portable Plasma Cutters.

[Rule 62-4.070(3), F.A.C.]