



**GERDAU AMERISTEEL**

**RECEIVED**

**AUG 22 2005**

**BUREAU OF AIR REGULATION**

Department of Environmental Protection  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399

To Whom It May Concern:

Enclosed please find the Affidavit of Publication for the Notice of Intent to Issue Air Construction Permit #0310157-007-AC/PSD-349.

Questions or comments may be directed to my office at (904) 266-4261 ext. 133.

Sincerely,

James P. Wold  
Environmental Manager

THE FLORIDA TIMES-UNION  
Jacksonville, Fl  
Affidavit of Publication

Florida Times-Union

AMERISTEEL CORPORATION  
16770 REBAR RD  
PO BOX 518  
BALDWIN FL 32234

REFERENCE C118127  
R091076 Public Notice

State of Florida  
County of Duval

Before the undersigned authority personally appeared Tiffany Powell who on oath says she is a Legal Advertising Representative of The Florida Times-Union, a daily newspaper published in Jacksonville in Duval County, Florida; that the attached copy of advertisement is a legal ad published in The Florida Times-Union. Affiant further says that The Florida Times-Union is a newspaper published in Jacksonville, in Duval County, Florida, and that the newspaper has heretofore been continuously published in Duval County, Florida each day, has been entered as second class mail matter at the post office in Jacksonville, in Duval County, Florida for a period of one year preceeding the first publication of the attached copy of advertisement; and affiant further says that he/she has neither paid nor promised any person, firm or corporation any discount, rebate, commission, or refund for the purpose of securing this advertisement for publication in said newspaper

PUBLISHED ON. 08/17

FILED ON: 08/17/05

Name: Tiffany Powell Title: Legal Advertising Representative  
In testimony whereof, I have hereunto set my hand and affixed my official seal, the day and year aforesaid.

NOTARY



FWILLA SHIPP  
Notary Public, State of Florida  
My comm. expires May 13, 2006  
Comm. No. DD 117248

**PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION PERMIT**  
Permitting Authority  
Department of Environmental Protection  
Bureau of Air Regulation  
Draft Air Construction Permit Project No.: 0310157-007-AC/PSD-FL-349  
Gerdau Ameristeel  
Jacksonville Steel Mill  
Duval County

**Applicant:** The applicant for this project is the Gerdau Ameristeel, Jacksonville Steel Mill, located at 16770 Rebar Road, Baldwin, Duval County. The applicant's Responsible Official and Authorized Representative is: Mr. Donald R. Shumake, V.P./G.M., Gerdau Ameristeel, 16770 Rebar Road, Baldwin, Florida 32234.

**Facility Location:** The applicant operates the existing Jacksonville Steel Mill, which is an iron and steel scrap recycling (secondary metal production) facility located near Baldwin, Duval County.

**Project:** The applicant, Gerdau Ameristeel, applied on October 26, 2004, to the permitting authority for an air construction permit (AC) for the construction of a new Melt Shop, which will house the Electric Arc Furnace (EAF) operations; a new Continuous Caster Building, which will house the Continuous Caster and Ladle Metallurgical Furnace (LMF) operations; and, a new Billet Reheat Furnace (BRF). In addition, the project will allow for an increase in production in tapped (liquid) steel from 720,000 to 1,192,800 tons per year (TPY).

The facility is located in Duval County, which is an area that is currently in attainment with (or designated as unclassifiable for) all pollutants subject to state and federal Ambient Air Quality Standards. The plant is a major facility with respect to the Prevention of Significant Deterioration (PSD) of Air Quality as defined in Rule 62-212.400, F.A.C. Based on the application, the project will result in the following potential net emissions increases in terms of "tons per year" (TPY): 900 TPY of carbon monoxide (CO); 0.57 TPY of lead (Pb); 161 TPY of nitrogen oxides (NO<sub>x</sub>); 5244 TPY of particulate matter (PM<sub>10</sub>); 77 TPY of sulfur dioxide (SO<sub>2</sub>); and 44 TPY of volatile organic compounds (VOC). Emissions of CO, NO<sub>x</sub>, PM<sub>10</sub>, SO<sub>2</sub>, and VOC exceed the PSD significant emission rates defined in Table 62-212.400-2, F.A.C. Therefore, the project is subject to PSD preconstruction review for these pollutants.

In accordance with Rule 62-212.400, F.A.C., the draft permit includes emissions standards that represent the Department's preliminary determination of the Best Available Control Technology (BACT) for emissions of CO, NO<sub>x</sub>, PM<sub>10</sub>, SO<sub>2</sub>, and VOC. PM<sub>10</sub> emissions will be reduced by installing new canopy hood systems, new direct-shell evacuation control (DEC) systems, and a new baghouse control system (No. 5). NO<sub>x</sub> emissions will be minimized by installing low-NO<sub>x</sub> burners and furnace pressure controls. CO emissions will be controlled by installing canopy hood systems and DEC systems. SO<sub>2</sub> emissions will be minimized by implementing a scrap management plan and the exclusive firing of natural gas. VOC emissions will also be minimized by implementing a scrap management plan, the exclusive firing of natural gas, and good combustion practices.

As part of the required PSD preconstruction review, the Department reviewed the applicant's air quality analysis conducted for each PSD-significant pollutant. The air quality analysis showed no significant impacts from the project for any pollutants in nearby PSD Class I areas (Oketfenokee National Wildlife Area, Wolf Island National Wildlife Area, Chassahowitzka National Wildlife Area and the St. Marks National Wildlife). The initial review showed potential significant impacts in the vicinity of the project (PSD Class II areas) for NO<sub>x</sub> and SO<sub>2</sub>. Therefore a more refined analysis was conducted. The results of the refined air quality analysis indicated that the project was well below the PSD Class II increments as well as the Ambient Air Quality Standards. The analysis provides the Department with reasonable assurance that the project will not cause or significantly contribute to a violation of the PSD increment level or any state or federal ambient air quality standard.

**Permitting Authority.** Applications for ACs are subject to review in accordance with the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4, 62-210, and 62-212 of the Florida Administrative Code (F.A.C.). The proposed project is not exempt from air permitting requirements and an air permit is required to perform the proposed work. The Florida Department of Environmental Protection's Bureau of Air Regulation is the Permitting Authority responsible for making a permit determination for this project. The Permitting Authority's physical address is 111 South Magnolia Drive, Suite 4, Tallahassee, Florida 32301, and the mailing address is 2600 Blair Stone Road, MS #5505, Tallahassee, Florida 32399-2400. The Permitting Authority's phone number is 850/488-0114.

**Project File:** A complete project file is available for public inspection during the normal business hours of 8:00 a.m. to 5:00 p.m., Monday through Friday (except legal holidays), at address indicated above for the Permitting Authority. The complete project file includes the Technical Evaluation and Preliminary Determination, the Draft AC, the request/application, and the information submitted by the applicant, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact the Permitting Authority's project review engineer for additional information at the address and phone number listed above. A copy of the complete project file is also available at the City of Jacksonville, Environmental Resource Management Department, Environmental Quality Division, 117 West Duval Street, Suite 225, Jacksonville, Florida 32202, (Telephone: 904/630-4900; and, Fax: 904-630-3638).

**Notice of Intent to Issue Permit:** The Permitting Authority gives notice of its intent to issue an AC to the applicant for the project described above. The applicant has provided reasonable assurance that operation of proposed equipment will not adversely impact air quality and that the project will comply with all applicable provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297, F.A.C.; and, the City of Jacksonville Ordinance Code, Title X, Chapter 376; and, the Jacksonville Environmental Protection Board Rule 2, Parts I thru VII and Parts IX thru XII. The permitting authority will issue the Final AC, in accordance with the conditions of the attached Draft AC, unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, F.S., or unless public comment received in accordance with this notice results in a different decision or a significant change of terms or conditions.

**Comments:** The Department will accept written comments and requests for public hearings concerning the proposed draft permit for a period of thirty (30) days from the date of publication of the Public Notice. Written comments and requests for public meetings regarding the draft permit should be provided to the Department's Bureau of Air Regulation at 2600 Blair Stone Road, Mail Station #5505, Tallahassee, FL 32399-2400. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in the proposed agency action, the Department shall revise the draft permit and require, if applicable, another Public Notice.

**Petitions:** A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed with (received by) the Department's Agency Clerk in the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. Petitions filed by the applicant or any of the parties listed below must be filed within fourteen (14) days of receipt of this Written Notice of Intent to Issue Air Permits. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S., must be filed within fourteen (14) days of publication of the Public Notice or within fourteen (14) days of receipt of this Written Notice of Intent to Issue Air Permits, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the Permitting Authority for notice of agency action may file a petition within fourteen (14) days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition that disputes the material facts on which the Permitting Authority's action is based must contain the following information: (a) The name and address of each agency affected and each agency's file or identification number, if known; (b) The name, address, and telephone number of the petitioner; (c) The name, address and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination. (c) A statement of how and when each petitioner received notice of the agency action or proposed action; (d) A statement of all disputed issues of material fact. If there are none, the petition must so state; (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action; (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action, and; (g) A statement of the relief sought by the petitioner, stating precisely the action the petitioner wishes the agency to take with respect to the agency's proposed action. A petition that does not dispute the material facts upon which the Permitting Authority's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Permitting Authority's final action may be different from the position taken in this Written Notice of Intent to Issue Air Permit. Persons whose substantial interests will be affected by any such final decision of the Permitting Authority on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

**Mediation:** Mediation is not available in this proceeding.