



Florida Department of Environmental Protection

Southwest District
13051 N. Telecom Parkway
Temple Terrace, Florida 33637-0926

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

Mr. Domenick DiGiallonardo, Vice President Technical
Outokumpu Stainless Pipe, Inc.
1101 North Main Street
Wildwood, FL 34785-9601

Re: Project Nos. 1190046-003-AC and 1190046-004-AO
Minor Air Construction and Operation Permits
Project: Propane to Natural Gas

Dear Mr. DiGiallonardo:

On June 12, 2009, you submitted an application requesting the type of fuel fired in three (3) annealing furnaces be changed from propane to natural gas at an existing stainless steel pipe manufacturing plant. This facility is located in Sumter County at 1101 North Main Street in Wildwood, Florida. Enclosed are the following documents: the the Technical Evaluation and Preliminary Determination; the Draft Permits and Appendices; the Written Notice of Intent to Issue Two Air Permits; and the Public Notice of Intent to Issue Two Air Permits. The Public Notice of Intent to Issue Two Air Permits is the actual notice that you must have published on the legal advertisement section of a newspaper of general circulation in the area affected by this project. If you have any questions, please contact the project engineer, Jim McDonald, at 813-632-7600 extension 106.

Sincerely,

Mara Grace Nasca

Mara Grace Nasca
District Air Program Administrator
Southwest District

Enclosures

MGN/JLM/pp

WRITTEN NOTICE OF INTENT TO ISSUE TWO AIR PERMITS

*In the Matter of an
Application for Air Permit by:*

Outokumpu Stainless Pipe, Inc.
1101 North Main Street
Wildwood, FL 34785-9601

Project Nos. 1190046-003-AC and
1190046-004-AO
Minor Air Construction and
Operation Permits
Sumter County, Florida

Authorized Representative:
Mr. Domenick DiGiallonardo

Project: Propane to Natural Gas

Facility Location: Outokumpu Stainless Pipe, Inc. operates an existing stainless steel pipe manufacturing plant, which is located in Sumter County at 1101 North Main Street in Wildwood, Florida.

Project: The applicant proposes to change the type of fuel fired in three (3) annealing furnaces from propane to natural gas. Details of the project are provided in the application and the enclosed Technical Evaluation and Preliminary Determination.

Permitting Authority: Applications for air construction and operation permits 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 air permits are required to perform the proposed work. The Permitting Authority responsible for making a permit determination for this project is the Department of Environmental Protection's Air Resource Management Section in the Southwest District Office. The Permitting Authority's physical address is: 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926. The Permitting Authority's mailing address is: 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926. The Permitting Authority's telephone number is 813/632-7600.

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 Draft Permits, the Technical Evaluation and Preliminary Determination, the 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 or phone number listed above.

Notice of Intent to Issue Two Permits: The Permitting Authority gives notice of its intent to issue two air permits to the applicant for the project described above. The applicant has provided reasonable assurance that operation of the proposed equipment will not adversely impact air quality and that the project will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297, F.A.C. The Permitting Authority will issue a Final Permits in accordance with the conditions of the proposed Draft Permits 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.

Public Notice: Pursuant to Section 403.815, F.S. and Rules 62-110.106 and 62-210.350, F.A.C., you (the applicant) are required to publish at your own expense the enclosed Public Notice of Intent to Issue

Outokumpu Stainless Pipe, Inc.

Project Nos. 1190046-003-AC and 1190046-004-AO
Project Name: Propane to Natural Gas

WRITTEN NOTICE OF INTENT TO ISSUE TWO AIR PERMITS

Two Air Permits (Public Notice). The Public Notice shall be published one time only as soon as possible in the legal advertisement section of a newspaper of general circulation in the area affected by this project. The newspaper used must meet the requirements of Sections 50.011 and 50.031, F.S. in the county where the activity is to take place. If you are uncertain that a newspaper meets these requirements, please contact the Permitting Authority at above address or phone number. Pursuant to Rule 62-110.106(5) and (9), F.A.C., the applicant shall provide proof of publication to the Permitting Authority at the above address within 7 days of publication. Failure to publish the notice and provide proof of publication may result in the denial of the permits pursuant to Rule 62-110.106(11), F.A.C.

Comments: The Permitting Authority will accept written comments concerning the proposed Draft Permits for a period of 14 days from the date of publication of the Public Notice. Written comments must be received by the Permitting Authority by close of business (5:00 p.m.) on or before the end of the 14-day period. If written comments received result in a significant change to the Draft Permits, the Permitting Authority shall revise the Draft Permits and require, if applicable, another Public Notice. All comments filed will be made available for public inspection.

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 at 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000 (Telephone: 850/245-2241). Petitions filed by the applicant or any of the parties listed below must be filed within 14 days of receipt of this Written Notice of Intent to Issue Two 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 14 days of publication of the attached Public Notice or within 14 days of receipt of this Written Notice of Intent to Issue Two 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 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 (in a proceeding initiated by another party) 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; 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 when and how each petitioner received notice of the agency action or proposed decision; (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 including an explanation of how the alleged facts relate to the specific rules or statutes; and, (g) A

WRITTEN NOTICE OF INTENT TO ISSUE TWO AIR PERMITS

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 by it in this Written Notice of Intent to Issue Two Air Permits. 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.

Executed in Hillsborough County, Florida.

Mara Grace Nasca

Mara Grace Nasca
District Air Program Administrator
Southwest District

WRITTEN NOTICE OF INTENT TO ISSUE TWO AIR PERMITS

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Written Notice of Intent to Issue Air Permit package (including the Written Notice of Intent to Issue Two Air Permits, the Public Notice of Intent to Issue Two Air Permits, the Technical Evaluation and Preliminary Determination and the Draft Permits) 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 07-06-2009 to the persons listed below.

Mr. Domenick DiGiallonardo, Vice President Technical
Outokumpu Stainless Pipe, Inc.
domenick.digiallonardo@outokumpu.com

Mr. Jerzy Z. Hubert, P.E.
Diversified Engineering International, Inc.
jzhubert@bellsouth.net

Mr. Tom Drygas
Divirsified Engineering International, Inc.
TDrygas@aol.com

Clerk Stamp

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.

Phonda Hughes 7/6/09
(Clerk) (Date)

PUBLIC NOTICE OF INTENT TO ISSUE TWO AIR PERMITS

Florida Department of Environmental Protection
Air Resource Management, Southwest District Office
Draft Minor Air Construction and Operation Permits
Project Nos. 1190046-003-AC and 1190046-004-AO
Outokumpu Stainless Pipe, Inc.
Sumter County, Florida

Applicant: The applicant for this project is Outokumpu Stainless Pipe, Inc. The applicant's authorized representative and mailing address is: Mr. Domenick DiGiallonardo, Vice President Technical, Outokumpu Stainless Pipe, Inc., 1101 North Main Street, Wildwood, Florida 34785-9601.

Facility Location: Outokumpu Stainless Pipe, Inc. operates an existing stainless steel pipe manufacturing plant, which is located in Sumter County at 1101 North Main Street in Wildwood, Florida.

Project: The applicant proposes to change the type of fuel fired in three (3) annealing furnaces from propane to natural gas.

Permitting Authority: Applications for air construction and operation permits 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 air permits are required to perform the proposed work. The Permitting Authority responsible for making a permit determination for this project is the Department of Environmental Protection's Air Resource Management Section in the Southwest District Office. The Permitting Authority's physical address is: 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926. The Permitting Authority's mailing address is: 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926. The Permitting Authority's telephone number is 813/632-7600.

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 the physical address indicated above for the Permitting Authority. The complete project file includes the Draft Permits, the Technical Evaluation and Preliminary Determination, the application and information submitted by the applicant (exclusive of confidential records under Section 403.111, F.S.). Interested persons may contact the Permitting Authority's project engineer for additional information at the address and phone number listed above. In addition, electronic copies of these documents are available on the following web site: <http://www.dep.state.fl.us/air/eproducts/apds/default.asp>.

Notice of Intent to Issue Two Air Permits: The Permitting Authority gives notice of its intent to issue an air construction permit and an air operation permit 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 appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297, F.A.C. The Permitting Authority will issue a Final Permits in accordance with the conditions of the proposed Draft Permits 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 Permitting Authority will accept written comments concerning the proposed Draft Permits for a period of 14 days from the date of publication of this Public Notice. Written comments must be received by the Permitting Authority by close of business (5:00 p.m.) on or before the end of the 14-day period. If written comments received result in a significant change to the Draft Permits, the Permitting Authority shall revise the Draft Permits and require, if applicable, another Public Notice.

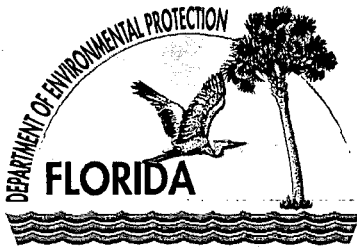
All comments filed will be made available for public inspection.

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 at 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000 (Telephone: 850/245-2241). Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S. must be filed within 14 days of publication of this Public Notice or receipt of a written notice, 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 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 (in a proceeding initiated by another party) 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; 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 rights will be affected by the agency determination; (c) A statement of when and how the petitioner received notice of the agency action or proposed decision; (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 including an explanation of how the alleged facts relate to the specific rules or statutes; 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 by it in this Public Notice of Intent to Issue Two Air Permits. 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 for this proceeding.



Florida Department of Environmental Protection

Southwest District
13051 N. Telecom Parkway
Temple Terrace, Florida 33637-0926

Charlie Crist
Governor

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Lt. Governor

Michael W. Sole
Secretary

PERMITTEE:

Outokumpu Stainless Pipe, Inc.
1101 North Main Street
Wildwood, FL 34785-9601

Draft Permit Nos.: 1190046-003-AC
1190046-004-AO

County: Sumter

Effective Date: xx/xx/xxxx

Expiration Dates: 01/30/2010 (AC)
01/11/2013 (AO)

Project: Three (3) Natural Gas Fired Furnaces
& Outside Wet Sand Blasting Area

These permits are issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code (F.A.C.) Chapters 62-204, 62-210, 62-212, 62-213, 62-296, 62-297, and Chapter 62-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents, attached hereto or on file with the department and made a part hereof and specifically described as follows:

These permits authorize the construction modification and amended operation of three (3) annealing furnaces and an outside wet sand blasting area located at a natural non-Title V facility that manufactures stainless steel pipe. The modification is to change the type of fuel fired in three (3) annealing furnace from propane to natural gas. Since operating permit 1190046-002-AO is being amended by amended permit 1190046-004-AO to incorporate the modifications of permit 1190046-003-AC, the operating permit's expiration date of 01/11/2013 is not changed. The facility has two (2) manufacturing buildings designated as the North Building and South Building. The facility has two (2) emission units as described below:

Emission Unit No. 001 – A Group of Three (3) Furnaces

This emission unit consists of a group of three (3) furnaces used to anneal stainless steel pipe, which are further described below:

Roller Hearth Furnace (F-1) designated as Emission Point No. 1: This GASMAGO, Model No. MUTA-PCA-84, furnace is located inside the partially enclosed South Building and is fired with only natural gas at a maximum design heat input rate of 8.0 MMBTU/hr. (equivalent to 7,767 cubic feet/hour). The furnace is a single gas fired roller hearth unit comprised of a preheat chamber using recuperated combustion air, two (2) heating zones, and two (2) water spray quench chambers at the exit end for heat treatment. Spray headers with nozzles are positioned above and below the roller conveyor. Approximately 1.015 tons/hr. and 8,887 tons/yr. of pipe are annealed in the furnace.

PERMITTEE:
Outokumpu Stainless Pipe, Inc.

Draft Permit Nos.: 1190046-003-AC
1190046-004-AO
Project: Three (3) Natural Gas Fired Furnaces
& Outside Wet Sand Blasting Area

At the outlet of the furnace there is a hood that captures a portion of the fugitive emissions leaving the furnace. The hood then vents the emissions to the atmosphere through a stack that discharges above the South Building's roof.

Car-Bottom Furnace (F-2) designated as Emission Point No. 2: This ARMCO furnace is located outside the North Building under an open air roof shelter and fired with only natural gas at a maximum design heat input rate of 11.5 MMBTU/hr. (equivalent to 11,165 cubic feet/hour). Pipe is placed on a car-bottom and rolled into the furnace. As the car-bottom goes in place, the furnace's door is closed. When the pipe is annealed, the furnace is opened and the pipe is removed. The pipe is processed (annealed) in the furnace in batches of approximately 1.028 tons/hr. and 9,005 tons/yr.

Emissions from the furnace are fugitively emitted to the atmosphere.

Rotary Roller Furnace (F-3) designated as Emission Point No. 3: This Surface Combustion, Model No. 84-PCA, Serial No. CC-10570-1, furnace is located inside the partially enclosed North Building and fired with only natural gas at a maximum design heat input rate of 10.6 MMBTU/hr. (equivalent to 10,291 cubic feet/hour). The furnace is a direct fired heated, skewed hourglass type roller hearth annealing furnace consisting of a charge table, two (2) heat zones, a water quench chamber, and a discharge table. The equipment is designed to automatically traverse pipe, in a single file through the annealing zone and provides immediate water quenching. The quenching is achieved by using spray heaters with nozzles positioned above and below the roller conveyor. Approximately 1.015 tons/hr. and 8,887 tons/yr. of pipe are annealed in the furnace.

Emissions from the furnace are fugitively emitted to the atmosphere.

Emission Unit No. 002 – Outside Wet Sand Blasting Area

After the pipe is processed an annealing scale from oxidation is formed on the pipe. In order to remove the scale the pipe is transferred to an outside wet sand blasting area in the southwest part of the facility. The area has three (3) 20 foot high tall wind screens located on the east, south, and west sides to minimize unconfined emissions of particulate matter. The sand blasting media is pneumatically conveyed by 80 psig air pressure through a specially constructed nozzle, which delivers a water curtain or "water halo" around the pressurized abrasive/air stream. A maximum of two (2) wet blasting media nozzles are used at any one time. The abrasive/air/water stream abrades the oxidized surface of the pipes.

Sand blasting media is pneumatically conveyed to the two (2) nozzles from an exempt (see below) sand blasting media storage hopper/bin at a maximum usage rate of 3,553 tons per any consecutive 12-month period.

PERMITTEE:
Outokumpu Stainless Pipe, Inc.

Draft Permit Nos.: 1190046-003-AC
1190046-004-AO
Project: Three (3) Natural Gas Fired Furnaces
& Outside Wet Sand Blasting Area

Exempt Emission Source(s)

The emissions from the following emission sources at this facility are deemed insignificant and exempt from permitting:

- Water heater fired with only natural gas at a maximum heat input rate of 400,000 BTU/hr. per Rule 62-210.300(3)(a)33., F.A.C.
- Water heater fired with only natural gas at a maximum heat input rate of 500,000 BTU/hr. per Rule 62-210.300(3)(a)33., F.A.C.
- Water heater fired with only natural gas at a maximum heat input rate of 600,000 BTU/hr. per Rule 62-210.300(3)(a)33., F.A.C.
- Hydrofluoric acid storage tank per Rule 62-210.300(3)(b)1., F.A.C.
- Nitric acid storage tank per Rule 62-210.300(3)(b)1., F.A.C.
- Three (3) pickling tanks per Rule 62-210.300(3)(b)1., F.A.C.
- Lime storage silo per Rule 62-4.040, F.A.C. (Based on the uncontrolled particulate matter emissions from pneumatically transferring a maximum of four (4) truck shipments a year. Lime is used for the on-site waste water treatment plant. Therefore, the number of truck shipments of lime in a reasonable and practical matter is considered to be a maximum of four (4) lime truck shipments a year.)
- Two (2) 10,000 gallon silos for the temporary storage of pickling liquid when the three (3) pickling tanks are being repaired and/or maintained per Rule 62-210.300(3)(b)1., F.A.C.
- Four (4) Ink Printers that may use Methyl Ethyl Ketone base ink (approximately 43 gallons/yr.) and associated solvents for pipe labeling and stenciling operations per Rule 62-210.300(3)(b)1., F.A.C.
- Inside Diameter Pipe Steel Grit Blasting Operation to blast/clean the inside of pipes per Rule 62-210.300(3)(b)1., F.A.C. (During the recycling of the recovered grit, the filtering of the airflow with a baghouse is considered an integral part of the operation.)
- Outside Diameter Pipe Steel Grit Blasting Operation to blast/clean the outside of pipes per Rule 62-210.300(3)(b)1., F.A.C. (During the recycling of the recovered grit, the filtering of the airflow with a baghouse is considered an integral part of the operation.)
- Elevated sand blasting media storage hopper/bin used in conjunction with the Outside Wet Sand Blasting Area per Rule 62-210.300(3)(b)1., F.A.C. (The hopper/bin receives sand blasting media pneumatically by truck and the uncontrolled displaced air vents to the atmosphere. The amount of sand blasting media transferred is limited by a federally enforceable limitation associated with Emission Unit No. 002 – Outside Wet Sand Blasting Area that limits the maximum amount of sand blasting media to 3,553 tons/yr.)
- Fork lift trucks fired with propane per Rule 62-210.300(3)(a)36., F.A.C.

PERMITTEE:
Outokumpu Stainless Pipe, Inc.

Draft Permit Nos.: 1190046-003-AC
1190046-004-AO
Project: Three (3) Natural Gas Fired Furnaces
& Outside Wet Sand Blasting Area

Facility Information Summary

Location: 1101 North Main Street, Wildwood, Sumter County

UTM Coordinates: 17-399.72E 3194.49N

Latitude: 28°52'33" North

Longitude: 82°02'19" West

Facility ID No.: 1190046

Emission Unit ID Nos: 001 – Group of Three (3) Furnaces with three (3) emissions points as follows:

Emission Point No. 1 – Roller Hearth Furnace, F-1

Emission Point No. 2 – Car-Bottom Furnace, F-2

Emission Point No. 3 – Rotary Roller Furnace, F-3

002 – Outside Wet Sand Blasting Area

NOTE: Please reference the Permit No., Facility ID, and Emission Unit ID in all correspondence, test report submittals, applications, etc.

Permit History

Modifies and Replaces Permit Nos.: 1190046-001-AC and 1190046-002-AO

Attachments to this permit:

General Conditions, version dated 11/1/2005

SPECIFIC CONDITIONS:

The following conditions apply facility-wide:

1. General Conditions: A part of this permit is the attached 15 General Conditions.
[Rule 62-4.160, F.A.C.]
2. Other Requirements: Issuance of this permit does not relieve the permittee from complying with the applicable emission limiting standards or other requirements of Chapters 62-204, 62-210, 62-212, 62-213, 62-296, and 62-297, F.A.C. or any other requirement under federal, state, or local law.
[Rule 62-210.300, F.A.C.]

PERMITTEE:
Outokumpu Stainless Pipe, Inc.

Draft Permit Nos.: 1190046-003-AC
1190046-004-AO
Project: Three (3) Natural Gas Fired Furnaces
& Outside Wet Sand Blasting Area

3. General Visible Emission Limitation: The facility shall not have visible emissions equal to or greater than 20% opacity, in accordance with the facility-wide visible emission limitation of Rule 62-296.320(4)(b), F.A.C. Compliance with this limitation is demonstrated in accordance with EPA Method 9. {Permitting Note: This limitation does not require regular scheduled visible emission testing.}
[Rules 62-296.320(4)(b) and 62-297.401(9), F.A.C.]

4. Special Testing Requirements: When the Department, 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 a Department rule or in a permit issued pursuant to those rules is being violated, it may require the owner or operator of the emissions unit to conduct compliance tests which identify the nature and quantity of pollutant emissions from the emissions unit and to provide a report on the results of said tests to the Department.
[Rule 62-297.310(7)(b), F.A.C.]

5. Objectionable Odor Requirements: This facility shall not cause, suffer, allow or permit the discharge of air pollutants, which cause or contribute to an objectionable odor. An objectionable odor is defined in Rule 62-210.200, F.A.C., 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 (Definition - Objectionable Odor) and 62-296.320(2), F.A.C.]

6. Operating Capacity: The hours of operation of this facility are not restricted, i.e., 8,760 hours/year.
[Rule 62-210.300, F.A.C.; Construction Permit 1190046-001-AC]

7. Operation Limitation: All reasonable precautions shall be taken to prevent and control generation of unconfined emissions of particulate matter. These provisions are applicable to any source, including, but not limited to vehicular movement, transportation of materials, construction, alteration, demolition or wrecking, or industrial related activities such as loading, unloading, storing and handling. Reasonable precautions shall include the following:

- A. Application of water with a water applicator trailer to paved and unpaved areas accommodating vehicular traffic, as necessary.
- B. Maintain a five (5) mile per hour (MPH) speed limit on roadways.
- C. Enclosure or covering of activities or equipment where necessary.
- D. The outside sandblasting area shall use partitions and/or curtains, as necessary, to minimize unconfined particulate matter emissions from leaving the property grounds. The area shall also

PERMITTEE:
Outokumpu Stainless Pipe, Inc.

Draft Permit Nos.: 1190046-003-AC
1190046-004-AO
Project: Three (3) Natural Gas Fired Furnaces
& Outside Wet Sand Blasting Area

have at a minimum three (3) 20 foot high tall wind screens located on the east, south, and west sides.

- E. Any collected particulate shall be wetted and properly removed in a manner so that it will not become airborne.
- F. During the truck loading of lime into the lime storage silo the displaced air shall be vented through a pipe that discharges below the water level of a water barrel.

[Rule 62-296.320(4)(c), F.A.C.; Construction Permit 1190046-001-AC]

8. Operation Limitation: As an indicator that the precautions to control unconfined particulate matter emissions are adequate, visible emissions at the facility's property line should not exceed 5% opacity. If this value is exceeded it will not be considered a violation in and of itself, but may be a violation of the precautions stated above and serve as justification to the Department to require additional controls or work practices.

[Rule 62-4.070(3), F.A.C.; Construction Permit 1190046-001-AC]

9. Operating Permit Renewal Requirements: An air pollution operation permit renewal application shall be submitted to the Air Permitting Section of the Department's Southwest District Office at least 60 days prior to the expiration date of this operating permit. To properly apply for an operation permit, the applicant shall submit the following:

- A. The most recent month of records as required by Specific Condition No. A.2. and B.2.
- B. The appropriate Department application form [see Rule 62-210.900, F.A.C. (Forms and Instructions)]; and
- C. The appropriate operation permit application fee pursuant to Rule 62-4.050, F.A.C.

[Rules 62-4.050, 62-4.070(3), 62-4.090, 62-210.300(2), and 62-210.900, F.A.C.]

The following conditions apply to Emission Unit No. 001 – Group of Three (3) Furnaces:

A.1. Furnace Operating Capacities: The furnaces shall comply with the following:

- A. Each furnace shall be fired with only natural gas.
- B. The total combine natural gas usage for the three (3) furnaces shall not exceed 255,996,120 cubic feet per any consecutive 12-month period.

PERMITTEE:
Outokumpu Stainless Pipe, Inc.

Draft Permit Nos.: 1190046-003-AC
1190046-004-AO
Project: Three (3) Natural Gas Fired Furnaces
& Outside Wet Sand Blasting Area

C. A natural gas meter(s) shall be used to determine natural gas usage in cubic feet.

[Rule 62-4.070(3), F.A.C. and Application dated June 11, 2009]

A.2. Recordkeeping Requirements: In order to document compliance with Specific Condition No. A.1., the permittee shall monthly record for the group of three (3) furnaces the following:

- A. Facility Name, Facility ID No. (1190046), Emission Unit ID No. 001)
- B. DATE, in Month/Day/Year
- C. Type of fuel used (natural gas).
- D. Amount of natural gas used, in cubic feet.
- E. Total amount of natural gas used for the most recent consecutive 12-month period, in cubic feet.

The first monthly log shall represent the first complete month after the effective date of these permits. The monthly records shall be completed by the end of the following month and retained at the facility for at least three (3) years. The records shall be made available to the Department upon request.
[Rule 62-4.070(3), F.A.C.]

The following conditions apply to Emission Unit No. 002 – Outside Wet Sand Blasting Area:

B.1. Operating Limitations: The permittee shall comply with the following:

- A. A maximum of two (2) wet sand blasting media nozzles shall be used at any one time.
- B. A maximum of 3,553 tons of sand blasting media per any consecutive 12-month period shall be used. Sand blasting media usage shall be based on the amount of sand blasting media transferred to the elevated sand blasting media storage hopper/bin.
- C. Only sand blasting media nozzles with an integral water halo shall be used.

[Rule 62-4.070(3), F.A.C.; Construction Permit 1190046-001-AC]

PERMITTEE:
Outokumpu Stainless Pipe, Inc.

Draft Permit Nos.: 1190046-003-AC
1190046-004-AO
Project: Three (3) Natural Gas Fired Furnaces
& Outside Wet Sand Blasting Area

B.2. Recordkeeping Requirements: In order to document compliance with Specific Condition No. B.1., the permittee shall monthly record the following:

- A. The amount of sand blasting media transferred by truck to the elevated sand blasting storage hopper/bin, in tons.
- B. The total amount of sand blasting media transferred by truck to the elevated sand blasting storage hopper/bin for the most recent consecutive 12-month period, in tons.

The monthly records shall be completed by the end of the following month and retained at the facility for at least three (3) years. The records shall be made available to the Department upon request.
[Rule 62-4.070(3), F.A.C.; Construction Permit 1190046-001-AC]

The following condition applies to Emission Unit Nos. 001 and 002:

C.1. Recordkeeping and Reporting Requirement: Within 120 days after the effective date of this permit, submit to the Air Compliance Section of the Department's Southwest District Office one (1) recent month of records as required by Specific Condition No. A.2.
[Rule 62-4.070(3), F.A.C.]

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

DRAFT

Mara Grace Nasca
District Air Program Administrator
Southwest District

ATTACHMENT - GENERAL CONDITIONS

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, Florida Statutes (F.S.). The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit.
4. Not applicable to Air Permits.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, are required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:
 - a. Have access to and copy any records that must be kept under conditions of the permit;
 - b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
 - c. Sample or monitor any substances or parameters at any location reasonable necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:
 - a. A description of and cause of noncompliance; and
 - b. The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

ATTACHMENT - GENERAL CONDITIONS

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Section 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

11. This permit is transferable only upon Department approval in accordance with Rule 62-4.120 and 62-730.300 F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes:

- () Determination of Best Available Control Technology (BACT)
- () Determination of Prevention of Significant Deterioration (PSD)
- () Compliance with New Source Performance Standards (NSPS)

14. The permittee shall comply with the following:

- a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
- b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
- c. Records of monitoring information shall include:
 - 1. the date, exact place, and time of sampling or measurements;
 - 2. the person responsible for performing the sampling or measurements;
 - 3. the dates analyses were performed;
 - 4. the person responsible for performing the analyses;
 - 5. the analytical techniques or methods used;
 - 6. the results of such analyses.

15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

16. Not applicable to Air Permits.

17. Not applicable to Air Permits.



Florida Department of Environmental Protection

Southwest District
13051 N. Telecom Parkway
Temple Terrace, Florida 33637-0926

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

P.E. CERTIFICATE STATEMENT

PERMITTEE

Outokumpu Stainless Pipe, Inc.

Air Permit No. 1190046-003-AC
Sumter County

Project Type: AC1E

Project Description: The permit authorizes the facility to change the type of fuel fired in three (3) annealing furnaces from propane to natural gas.

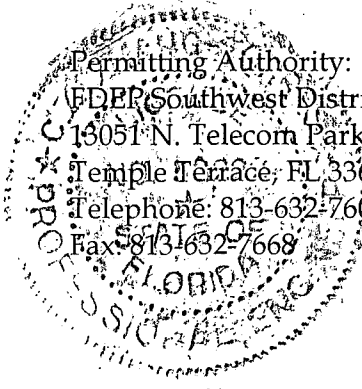
The Department's full review of the project and rationale for issuing the draft permit is provided in the Technical Evaluation and Preliminary Determination.

I HEREBY CERTIFY that the air pollution control engineering features described in the above referenced application and subject to the proposed permit conditions provide reasonable assurance of compliance with applicable provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 62-4 and 62-204 through 62-297. However, I have not evaluated and I do not certify aspects of the proposal outside of my area of expertise (including, but not limited to, the electrical, mechanical, structural, hydrological and meteorological features).

Cindy Zhang-Torres
C.Z. Zhang-Torres, P.E.
License Number: 58222

6/26/09
Date

Permitting Authority:
FDER Southwest District
13051 N. Telecom Parkway
Temple Terrace, FL 33637-0926
Telephone: 813-632-7600
Fax: 813-632-7668



SWD INTERNAL PERMITTING MEMORANDUM

TO: Mara Grace Nasca
District Air Program Administrator

THRU: Cindy Zhang-Torres, P.E. *cf*
Air Permitting Supervisor

FROM: Jim McDonald *jm*
Air Permitting Engineer

DATE: June 24, 2009

SUBJECT: Draft Permit Nos: 1190046-003-AC and 1190046-004-AO
Facility Name: Outokumpu Stainless Pipe, Inc.

Day 90: September 10, 2009

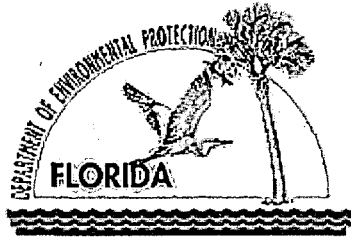
From the information below, I recommend the Intent to Issue for Outokumpu Stainless Pipe, Inc. be signed.

On June 12, 2009, the Department received from Outokumpu Stainless Pipe, Inc. an air pollution permit application to modify their existing stainless steel pipe manufacturing plant located at 1101 North Main Street, Wildwood, Sumter County. The plant consists of two (2) emission units. Emission Unit No. 001 is for a group of three (3) annealing furnaces and Emission Unit No. 002 is for an outside sand blasting area. The modification is to change the type of fuel fired in the three (3) furnaces from propane to natural gas.

This permit also changed the fuel used in three (3) exempt water heaters from propane to natural gas along with adding an exempt activity for forklifts that use propane.

Sajeda Noor's e-mail dated June 17, 2009, indicates the facility has one (1) closed violation (CWOE, 4/9/2009) for operating without a permit and she has no objections to these permits being issued.

Nedin Bahtic's e-mail dated June 18, 2009, indicates he has no objections to these permit being issued.



**TECHNICAL EVALUATION
&
PRELIMINARY DETERMINATION**

APPLICANT

Outokumpu Stainless Pipe, Inc.
1101 North Main Street
Wildwood, FL 34785-9601

Facility ID No. 1190046

PROJECT

Project No. 1190046-003-AC
Application for Minor Air Construction Permit
Project Name: Propane to Natural Gas

COUNTY

Sumter, Florida

PERMITTING AUTHORITY

Florida Department of Environmental Protection
Air Resource Management
Southwest District Office
Temple Terrace, Florida 33637-7600

June 24, 2009

Prepared by Jim McDonald

TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

GENERAL PROJECT INFORMATION

Air Pollution Regulations

Projects at stationary sources with the potential to emit air pollution are subject to the applicable environmental laws specified in Section 403 of the Florida Statutes (F.S.). The statutes authorize the Department of Environmental Protection (Department) to establish regulations regarding air quality as part of the Florida Administrative Code (F.A.C.), which includes the following applicable chapters: 62-4 (Permits); 62-204 (Air Pollution Control - General Provisions); 62-210 (Stationary Sources - General Requirements); 62-212 (Stationary Sources - Preconstruction Review); 62-213 (Operation Permits for Major Sources of Air Pollution); 62-296 (Stationary Sources - Emission Standards); and 62-297 (Stationary Sources - Emissions Monitoring). Specifically, air construction permits are required pursuant to Rules 62-4, 62-210 and 62-212, F.A.C.

In addition, the U. S. Environmental Protection Agency (EPA) establishes air quality regulations in Title 40 of the Code of Federal Regulations (CFR). Part 60 specifies New Source Performance Standards (NSPS) for numerous industrial categories. Part 61 specifies National Emission Standards for Hazardous Air Pollutants (NESHAP) based on specific pollutants. Part 63 specifies NESHAP based on the Maximum Achievable Control Technology (MACT) for numerous industrial categories. The Department adopts these federal regulations on a quarterly basis in Rule 62-204.800, F.A.C.

Glossary of Common Terms

Because of the technical nature of the project, the permit contains numerous acronyms and abbreviations, which are defined in Appendix A of this permit.

I. Project Description:

A. Applicant:

Mr. Domenick DiGiallonardo, Vice President Technical
Outokumpu Stainless Pipe, Inc.
1101 North Main Street
Wildwood, FL 34785-9601

B. Professional Engineer:

Mr. Jerzy Z. Hubert, P.E.
Diversified Engineering International, Inc.
5378 Riverview Dr.
St. Augustine, FL 32080

TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

- C. Project Location: 1101 North Main Street, Wildwood, Sumter County
- D. Project Summary: Change the type of fuel fired in three (3) annealing furnaces from propane to natural gas at an existing stainless steel pipe manufacturing plant as further described in the permit.
- E. Application Information:
- Application Received on: June 12, 2009
Additional Information Requested on: N/A
Additional Information Received on: N/A
Application Complete: June 12, 2009

II. Rule Applicability

This project is subject to the preconstruction review requirements of Chapter 403, Florida Statutes and Chapters 62-204 through 62-297, Florida Administrative Code (F.A.C.), as indicated below.

Subject to:	Y/N	Comments
Rule 62-210.300, F.A.C. - Project Not Subject to Prevention of Significant Deterioration or Nonattainment Requirements, F.A.C.	Y	Not exempt from general permitting requirements
Rule 62-212.400, F.A.C. - Prevention of Significant Deterioration	N	facility is not a PSD major source
Rule 62-296.320(4), F.A.C. - General Particulate Emission Limiting Standards	Y	facility is a source of unconfined particulate matter emissions
Rules 62-296.320(1) and (2), F.A.C. - General Pollutant Emission Limiting Standards (VOCs and Odor)	Y	facility is a source of VOC and odors
Rule 62-296.400, F.A.C. - Stationary Source Emission Standards	N	there is no applicable source category
Rule 62-296.500, F.A.C. - Reasonably Available Control Technology (VOC)	N	rule is not applicable in Sumter County
Rule 62-296.700, F.A.C. - Reasonably Available Control Technology (PM)	N	rule is not applicable in Sumter County
Rule 62-204.800, F.A.C. - Standards of Performance for New Stationary Sources (NSPS)	N	there is no applicable source category
Rule 62-204.800, F.A.C. National Emission Standard for Hazardous Air Pollutants (NESHAPS - 40 CFR 61)	N	there is no applicable source category
Rule 62-204.800, F.A.C. National Emission	N	there is no applicable source

TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

Subject to:	Y/N	Comments
Standard for Hazardous Air Pollutants for Source Categories a.k.a. MACT (NESHAPS - 40 CFR 63)		category
Chapter 62-213, F.A.C. - Operation Permits for Major Sources of Air Pollution	N	facility is a natural non-Title V source
Rule 62-297.310, F.A.C. - General Compliance Test Requirements, F.A.C.	N	no testing is required

III. Summary of Emissions

Pollutant	EU No. and brief description	Potential Emissions		Allowable Emissions	
		lbs./hr.	tons/yr.	lbs./hr.	tons/yr.
PM	002 - Outside Sand Blasting	4.95	21.70	n/a	n/a
	001 - Furnace, F-1	0.06	0.26	n/a	n/a
	001 - Furnace, F-2	0.08	0.37	n/a	n/a
	001 - Furnace, F-3	0.08	0.34	n/a	n/a
	Facility Total	5.17	22.67	n/a	n/a
VOC	001 - Furnace, F-1	0.04	0.19	n/a	n/a
	001 - Furnace, F-2	0.06	0.27	n/a	n/a
	001 - Furnace, F-3	0.06	0.25	n/a	n/a
	Facility Total	0.16	0.71	n/a	n/a
NOx	001 - Furnace, F-1	0.78	3.40	n/a	n/a
	001 - Furnace, F-2	1.12	4.89	n/a	n/a
	001 - Furnace, F-3	1.03	4.51	n/a	n/a
	Facility Total	2.93	12.80	n/a	n/a
SO2	001 - Furnace, F-1	0.005	0.02	n/a	n/a
	001 - Furnace, F-2	0.007	0.03	n/a	n/a
	001 - Furnace, F-3	0.006	0.03	n/a	n/a
	Facility Total	0.018	0.08	n/a	n/a
CO	001 - Furnace, F-1	0.65	2.86	n/a	n/a
	001 - Furnace, F-2	0.94	4.11	n/a	n/a
	001 - Furnace, F-3	0.86	3.79	n/a	n/a
	Facility Total	2.45	10.76	n/a	n/a
VE	001 and 002			<20% opacity	

TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

IV. Conclusions

The emission limits proposed by the applicant will meet all of the requirements of Chapters 62-204 through 297, F.A.C.

The General and Specific Conditions listed in the proposed permit (attached) will assure compliance with all the applicable requirements of Chapters 62-204 through 297, F.A.C.

V. Preliminary Determination

The Department makes a preliminary determination that the proposed project will comply with all applicable state and federal air pollution regulations as conditioned by the draft permit. This determination is based on a technical review of the complete application, reasonable assurances provided by the applicant, and the conditions specified in the draft permit. Additional details of this analysis may be obtained by contacting the project engineer at the Florida Department of Environmental Protection Air Resource Management, Southwest District 13051 North Telecom Parkway, Temple Terrace, Florida 33637-7600.

Pursuant to Section 403.087, Florida Statutes and Section 62-4.070, Florida Administrative Code, the Department hereby gives notice of its intent to issue a permit to construct the aforementioned air pollution source in accordance with the draft permit and its conditions as stipulated (see attached).

NATURAL GAS EMISSIONS for Boilers <100 MMBTU/hr.

30.1 MMBTU/hr.

Propane 8,760 hrs./yr.

1,000 BTU per 1 cubic foot of gas = 1,000 cf per MMBTU

NOx $\frac{0.1 \text{ lbs.}}{\text{MMBTU}}$ 30.1 $\frac{\text{MMBTU}}{\text{hour}}$ = 3.01 $\frac{\text{lbs.}}{\text{hour}}$ AP-42 $\frac{100 \text{ lbs.}}{\text{MMcf}}$

$\frac{8,760 \text{ hours}}{\text{year}}$ $\frac{1 \text{ ton}}{2,000 \text{ lbs.}}$ = 13.1838 $\frac{\text{tons}}{\text{year}}$ 25.46 tons/yr

CO $\frac{0.084 \text{ lbs.}}{\text{MMBTU}}$ 30.1 $\frac{\text{MMBTU}}{\text{hour}}$ = 2.5284 $\frac{\text{lbs.}}{\text{hour}}$ AP-42 $\frac{84 \text{ lbs.}}{\text{MMcf}}$

$\frac{8,760 \text{ hours}}{\text{year}}$ $\frac{1 \text{ ton}}{2,000 \text{ lbs.}}$ = 11.07439 $\frac{\text{tons}}{\text{year}}$ 4.11

PM $\frac{0.0076 \text{ lbs.}}{\text{MMBTU}}$ 30.1 $\frac{\text{MMBTU}}{\text{hour}}$ = 0.22876 $\frac{\text{lbs.}}{\text{hour}}$ AP-42 $\frac{7.6 \text{ lbs.}}{\text{MMcf}}$

$\frac{8,760 \text{ hours}}{\text{year}}$ $\frac{1 \text{ ton}}{2,000 \text{ lbs.}}$ = 1.001969 $\frac{\text{tons}}{\text{year}}$ 0.78

SO2 $\frac{0.0006 \text{ lbs.}}{\text{MMBTU}}$ 30.1 $\frac{\text{MMBTU}}{\text{hour}}$ = 0.01806 $\frac{\text{lbs.}}{\text{hour}}$ AP-42 $\frac{0.6 \text{ lbs.}}{\text{MMcf}}$

$\frac{8,760 \text{ hours}}{\text{year}}$ $\frac{1 \text{ ton}}{2,000 \text{ lbs.}}$ = 0.079103 $\frac{\text{tons}}{\text{year}}$ 1.42

VOC $\frac{0.0055 \text{ lbs.}}{\text{MMBTU}}$ 30.1 $\frac{\text{MMBTU}}{\text{hour}}$ = 0.16555 $\frac{\text{lbs.}}{\text{hour}}$ AP-42 $\frac{5.5 \text{ lbs.}}{\text{MMcf}}$

$\frac{8,760 \text{ hours}}{\text{year}}$ $\frac{1 \text{ ton}}{2,000 \text{ lbs.}}$ = 0.725109 $\frac{\text{tons}}{\text{year}}$ 0.72

5-14-09

Told Tom Drygas

We will do an AC/AO.

\$1,000 for AC and \$250 for AO amendment

Jim

Throw this away
when application is
rec'd.

III. Summary of Emissions

Visible Emissions: Shall not be equal to or greater than 20 percent opacity.

If special visible emission testing is required, testing shall be in accordance with EPA Method 9.

There shall be no objectionable odors.

	<u>Potential Emissions</u>		<u>Allowable Emissions</u>	
	lbs./hr.	TPY	lbs./hr.	TPY
Emission Unit No. 001 – Group of three (3) furnaces				
Emission Point No. 1 – Roller Hearth Furnace (F-1)				
VOC	0.044	0.19	n/a	n/a
Particulates	0.035	0.15	n/a	n/a
SO ₂	0.087	0.38	n/a	n/a
CO	0.166	0.73	n/a	n/a
NOx	1.22	5.36	n/a	n/a
Emission Point No. 2 – Car-Bottom Furnace (F-2)				
VOC	0.063	0.28	n/a	n/a
Particulates	0.075	0.33	n/a	n/a
SO ₂	0.124	0.54	n/a	n/a
CO	0.402	1.76	n/a	n/a
NOx	2.39	10.46	n/a	n/a
Emission Point No. 3 – Rotary Roller Furnace (F-3)				
VOC	0.058	0.25	n/a	n/a
Particulates	0.069	0.30	n/a	n/a
SO ₂	0.114	0.50	n/a	n/a
CO	0.371	1.62	n/a	n/a
NOx	2.20	9.64	n/a	n/a
Emission Unit No. 002 – Outside Wet Sand Blasting Area				
Particulate Matter	4.95	21.70	n/a	n/a
Facility Total Emissions				
VOC	0.165	0.72	n/a	n/a
Particulates	5.129	22.48	n/a	n/a
SO ₂	0.325	1.42	n/a	n/a
CO	0.939	4.11	n/a	n/a
NOx	5.81	25.46	n/a	n/a