



Florida Department of Environmental Protection

Southwest District Office
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

Charlie Crist
Governor

Jeff Kottkamp
Governor

Michael W. Sole
Secretary

NOTICE OF TWO FINAL PERMITS

In the Matter of an
Application for Permit by:

Mr. Domenick DiGiallonardo
Director Quality
Outokumpu Stainless Pipe, Inc.
1101 North Main Street
Wildwood, FL 34785-9601

DEP File Nos. 1190046-001-AC
1190046-002-AO
Sumter County

Dear Mr. DiGiallonardo:

Enclosed are Final Permit Numbers 1190046-001-AC and 1190046-002-AO. These permits (one document) authorize Outokumpu Stainless Pipe, Inc. to operate three (3) propane fired furnaces and an outside sand blasting area for the manufacturing of stainless steel pipe. This facility is located at 1101 North Main Street, Wildwood, Sumter County, Florida. This permit is issued pursuant to Section(s) 403.087, Florida Statutes.

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, 3900 Commonwealth Boulevard, Mail Station #35, 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 thirty days after this order is filed with the clerk of the Department.

Executed in Hillsborough County, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

Mara Grace Nasca

Mara Grace Nasca
District Air Program Administrator
Southwest District

MGN/JLM/pp
Enclosures

CERTIFICATE OF SERVICE


The undersigned duly designated deputy agency clerk hereby certifies that this Notice of Two Final Permits (including the Final Permits, one document) were mailed by U.S. Mail before the close of business on 01-11-2008 to the person(s) listed:

Mr. Domenick DiGiallonardo
Director Quality
Outokumpu Stainless Pipe, Inc.
1101 North Main Street
Wildwood, FL 34785-9601

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

Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to §120.52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.


(Clerk)

01-11-2008
(Date)



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Southwest District Office
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Lt. Governor

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PERMITTEE:

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

FINAL Permit Nos.: 1190046-001-AC
1190046-002-AO

County: Sumter

Effective Date: 01/11/2008xx/xx/xxxx

Expiration Dates: 11/30/2008 (AC)

01/11/2013 (AO)

Project: Three (3) Propane 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 after-the-fact construction and operation of three (3) propane fired annealing furnaces and an outside wet sand blasting area located at a natural non-Title V facility that manufactures stainless steel pipe. 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 GASMCO, Model No. MUTA-PCA-84, furnace is located inside the partially enclosed South Building and is fired with only propane at a maximum design heat input rate of 8.0 MMBTU/hr. (equivalent to 87.43 gallons/hr.). 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.

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.

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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 propane at a maximum design heat input rate of 11.5 MMBTU/hr. (equivalent to 125.68 gallons/hr.). 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 propane at a maximum design heat input rate of 10.6 MMBTU/hr. (equivalent to 115.85 gallons/hr.). 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.

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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 propane 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 propane 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 propane 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.)

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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

Replaces Permit No.: N/A

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.]

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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.]

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

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- 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. and Application dated October 4, 2007]

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.]

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 propane.
- B. The total combine propane usage for the three (3) furnaces shall not exceed 2,881,690 gallons of propane per any consecutive 12-month period.
- C. A propane meter(s) shall be used to determine propane usage in gallons.

[Rule 62-4.070(3), F.A.C. and Application dated October 4, 2007]

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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 (propane).
- D. Amount of propane fired, in gallons.
- E. Total amount of propane fired for the most recent consecutive 12-month period, in gallons.

The first monthly log shall represent the first complete month after the effective date of this permit. 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. and Application dated October 4, 2007]

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 first monthly log shall represent the first complete month after the effective date of this permit. 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.]

PERMITTEE:
Outokumpu Stainless Pipe, Inc.

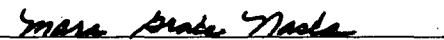
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The following condition applies to Emission Unit Nos. 001 and 002:

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 Nos. A.2. and B.2.

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

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION


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.