

JACKSONVILLE ENVIRONMENTAL PROTECTION BOARD

RULE 2 AIR POLLUTION CONTROL

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**RULE OF THE
JACKSONVILLE ENVIRONMENTAL PROTECTION BOARD
RULE 2
AIR POLLUTION CONTROL**

INDEX

PART I - GENERAL PROVISIONS

2.101	Definitions
2.102	Authority and Intent
2.103	Severability
2.104	Registration and Reports
2.105	Maintenance of Pollution Control Devices
2.106	General Restrictions
2.107	Air Pollution Prohibited
2.108	Enforcement
2.109	Investigations - Right of Entry
2.110	Penalties and Injunctive Relief

PART II - AIR POLLUTION CONTROL - GENERAL PROVISIONS

2.201	Adopts 62-204 FAC by reference
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PART III - STATIONARY SOURCES - GENERAL REQUIREMENTS

2.301	Adopts 62-210 FAC by reference
-------	--------------------------------

PART IV - STATIONARY SOURCES - PRECONSTRUCTION REVIEW

2.401	Adopts 62- 212 FAC by reference
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PART V - OPERATION PERMITS FOR MAJOR SOURCES OF AIR POLLUTION

2.501	Adopts 62-213 FAC by reference
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PART VI - GASOLINE VAPOR CONTROL

- 2.601 Adopts 62-252 FAC by reference
- 2.602 Expanded Stage I Controls in Duval County

PART VII - OPEN BURNING AND FROST PROTECTION FIRES

- 2.701 Adopts 62-256 FAC by reference

PART VIII - AMBIENT AIR QUALITY STANDARDS

- 2.801 Ambient Air Quality Standard for Aggregate Reduced Sulfur (ARS)

PART IX - AIR POLLUTION EPISODES

- 2.901 Air Pollution Episodes - Local Rules

PART X - STATIONARY SOURCES EMISSION STANDARDS

- 2.1001 Adopts 62-296 FAC by reference

PART XI - STATIONARY SOURCES - EMISSIONS MONITORING

- 2.1101 Adopts 62-297 FAC by reference

PART XII - AIR POLLUTION NUISANCE RULES

- 2.1201 General Standard for Volatile Organic Compounds
- 2.1202 Emissions from Ships and Locomotives
- 2.1203 Air Pollution Nuisances

PART XIII - PERMITS - GENERAL PROVISIONS

- 2.1301 Adopts 62-4 FAC by reference
- 2.1302 Adopts 120.57 FS and 28-106.111(2) FAC, 28-106.201 FAC, 28-106.301 FAC, and 62-110.106 FAC by reference

TRACKING TABLE FOR THE AMENDMENT OF CURRENT RULE 2

Current Rule 2 Sections	Amended Rule 2 Sections
Part I - General Provisions 2.101 2.102 2.103 2.104 2.105 2.106 2.107 2.108 2.109 2.110	Part I - General Provisions NO CHANGE
Part II 2.201 (Adopts 62-204 FAC)	Part II 2.201 (Adopts 62-204 FAC) AMENDED
Part III 2.301 (Adopts 62-210 FAC)	Part III 2.301 (Adopts 62-210 FAC) AMENDED
Part IV 2.401 (Adopts 62-212 FAC)	Part IV 2.401 (Adopts 62-212) NO CHANGE
Part V 2.501 (Adopts 62-213 FAC)	Part V 2.501 (Adopts 62-213) AMENDED
Part VI 2.601 (Adopts 62-252 FAC) 2.602	Part VI 2.601 NO CHANGE 2.602 NO CHANGE
Part VII 2.701 (Adopts 62-256 FAC)	Part VII 2.701 NO CHANGE

Part VIII 2.801 Ambient Air Quality Standards for Aggregate Reduced Sulfur	Part VIII 2.801	NO CHANGE
Part IX 2.901 Air Pollution Episodes - Local Rules	Part IX 2.901	NO CHANGE
Part X 2.100I (Adopts 62-296 FAC)	Part X 2.110I (Adopts 62-296 FAC)	NO CHANGE
Part XI 2.110I (Adopts 62-297 FAC)	Part XI 2.110I (Adopts 62-297 FAC)	NO CHANGE
Part XII 2.1201 2.1202 2.1203	Part XII 2.1201 2.1202 2.1203	NO CHANGE NO CHANGE NO CHANGE
Part XIII 2.1301 (Adopts 62-4) 2.1302 (Adopts 120.57 FS, 28-106.111(2) FAC, 28-106.201 FAC, 28-106.301 FAC, and 62-110.106 FAC)	Part XIII 2.1301 2.1302	NO CHANGE NO CHANGE

**RULES OF THE
JACKSONVILLE ENVIRONMENTAL PROTECTION BOARD**

JACKSONVILLE ENVIRONMENTAL PROTECTION BOARD
RULE 2
AIR POLLUTION CONTROL

PART I
GENERAL PROVISIONS

2.101 Definitions

In this rule, unless the context otherwise requires:

- A. The definitions included in Chapters 62-4, 62-204, 62-210, 62-252, and 62-256, Florida Administrative Code, are adopted and incorporated in this rule by reference, except that:
 - 1. the word Department means the Regulatory and Environmental Services Department.
 - 2. the word Secretary means the Director of the Regulatory and Environmental Services Department.
- B. Board means the Jacksonville Environmental Protection Board.
- C. Department means the Regulatory and Environmental Services Department, City of Jacksonville.
- D. Division means the Air and Water Quality Division of the Regulatory and Environmental Services Department. [History: Effective 3/18/85, Amended 1/10/93, Amended 12/19/94, Amended 9/11/95, Amended 11/12/96, Amended 6/8/98].

2.102 Authority and Intent

The Jacksonville Environmental Protection Board adopts these rules as the City's standards with respect to air pollution control. The specific Authority for adopting these rules is found in Section 100.201, Section 362.104(c) and Section 73.102, Ordinance Code. The law implemented is Chapter 362, Ordinance Code. The Board intends that where any locally more stringent provision conflicts with a provision of the Florida Administrative Code adopted by reference, the locally more stringent provision shall apply. [History: Formerly EPB Rule 2 Preface; Effective 3/18/85; Amended and renumbered 1/10/93]

2.103 Severability

The provisions of these air pollution control rules are severable. If one or more of the provisions should be invalidated, the Board intends that the other portions should become effective or remain in effect. [History: Formerly EPB 2.104, Effective 3/18/85; Renumbered 1/10/93]

2.104 Registration and Reports

A person engaging in an activity or operation which is or may be a source of air pollution shall register with the Department and file reports with the Department at or within times and as required by the Board or the Department. [History: Formerly S.362.103(a), City Ordinance Code; EPB 2.105; Effective 3/18/85; Amended and renumbered 1/10/93]

2.105 Maintenance of Pollution Control Devices

Air pollution control devices and systems shall be properly and consistently maintained in order to maintain emissions in compliance with the standards of the Board. [History: Formerly S.362.103, City Ordinance Code; EPB 2.108; Effective 3/18/85; renumbered 1/10/93]

2.106 General Restrictions

No plant or source shall operate at capacities which exceed the limits of operation of control devices or exceed the capability of the plant or control devices to maintain the air pollution emissions within the limitations imposed by this rule or by permit conditions. [History: Formerly S.362.106, City Ordinance Code; EPB 2.109; Effective 3/18/85; renumbered 1/10/93]

2.107 Air Pollution Prohibited

No person shall cause or permit the discharge or emission of air pollutants from an installation in quantities prohibited by law, by the rules of the State Department of Environmental Protection or by the rules of the Board. [History: Formerly S.362.201, City Ordinance Code; EPB 2.201; Effective 3/18/85; renumbered 1/10/93, Amended 12/19/94]

2.108 Enforcement

This rule shall be enforced by the Department in accordance with the provisions of Chapters 360 and 362, Ordinance Code. [History: New, Effective 1/10/93]

2.109 Investigations - Right of Entry

Inspections and investigations made to determine compliance with the provisions of this rule shall be made in accordance with the provisions of Section 360.109; Ordinance Code, and Board Rule 1, Part VIII. [History: New, Effective 1/10/93]

2.110 Penalties and Injunctive Relief

Violations of this rule shall be punishable by civil penalties specified in Chapter 360, Part 7, Section 362.110, Ordinance Code; and to injunctive relief as provided in Section 360.407, Ordinance Code. [History: New, Effective 1/10/93]

PART II
AIR POLLUTION CONTROL - GENERAL PROVISIONS

2.201

Chapter 62-204, Florida Administrative Code, is adopted and incorporated in this rule by reference as the City's general provisions for air pollution control. [History: Effective 1/10/93, Amended 12/19/94, Amended 9/11/95, Amended 11/12/96, Amended 6/08/98, Amended 11/08/99, Amended 9/11/00, Amended 08/13/01, Amended 08/12/02, Amended 11/10/03.] Note: The rules covered by this part were previously adopted by reference under former EPB rule sections 2.601, 2.801, 2.901 and 2.902.

PART III
STATIONARY SOURCES - GENERAL REQUIREMENTS

2.301

Chapter 62-210, Florida Administrative Code, is adopted and incorporated in this rule by reference as the City's general requirements for stationary sources. [History: Effective 1/10/93, Amended 12/19/94, Amended 9/11/95, Amended and renumbered 11/12/96, Amended 6/08/98, Amended 11/08/99, Amended 08/13/01, Amended 08/12/02, Amended 11/10/03.] Note: The rules covered by this part were previously adopted by reference under former EPB rule section 2.201.

PART IV
STATIONARY SOURCES - PRECONSTRUCTION REVIEW

2.401

Chapter 62-212, Florida Administrative Code, is adopted and incorporated in this rule by reference as the City's preconstruction review requirements for stationary sources. [History: Effective 1/10/93, Amended 12/19/94, Amended 9/11/95, Amended and renumbered 11/12/96, Amended 6/08/98, Amended 9/11/00] Note: The rules covered by this part were previously adopted by reference under former EPB rule section 2.301.

PART V
OPERATION PERMITS FOR MAJOR SOURCES OF AIR POLLUTION

2.501

Chapter 62-213, Florida Administrative Code, is adopted and incorporated in this rule by reference as the City's operation permit requirements for major sources of air pollution. [History: New, Effective 12/19/94, Amended 9/11/95, Amended and Renumbered 11/12/96, Amended 6/08/98, Amended 11/08/99, Amended 08/13/01, Amended 08/12/02, Amended 11/10/03.] Note: The rules covered by this part were previously adopted by reference under former EPB rule section 2.1202.

**PART VI
GASOLINE VAPOR CONTROL**

2.601

Chapter 62-252, Florida Administrative Code, is adopted and incorporated in this rule by reference as the City's gasoline vapor control standards. [History: Effective 1/10/93, Amended 12/19/94, Amended and renumbered 11/12/96] Note: The rules covered by this part were previously adopted by reference under former EPB rule section 2.401.

2.602 Expanded Stage I Controls in Duval County

- A. The applicability criteria of Paragraph 62-252.300(1), FAC notwithstanding, all gasoline dispensing facilities in Duval County regardless of monthly throughput, shall be subject to emission limiting standards and control technology requirements as set forth in 62-252.300(2), FAC except that gasoline storage tanks with less than 1000 gallons capacity are exempt from this requirement.
- B. Gasoline dispensing facilities in existence in Duval County upon the effective date of this rule, and not previously subject to 62-252.300, FAC, shall install Stage I vapor recovery control technology at the time of any vehicular fuel petroleum storage tank system replacement or upgrade, other than spill containment as shown in Table UST, Section 62-761.510 (See Appendix A). Gasoline dispensing facilities built after the effective date of this rule shall be subject to Section 2.402 A. upon construction.
- C. Gasoline tank trucks or trailers used to deliver gasoline to any facility subject to section 2.602 must be equipped as required in Section 62-252.300, FAC.
- D. Stage I vapor recovery control technology required by this rule shall conform with equipment specifications pursuant to "Design Criteria for Stage 1 Vapor Control Systems at Gasoline Service Stations." United States Environmental Protection Agency, Research Triangle Park, NC, November, 1975. Copies are available for review in the offices of the Air and Water Quality Division, Regulatory & Environmental Services Department, City of Jacksonville. [History: Formerly EPB 2.207 B, Effective 10/22/92; Amended and Renumbered 1/10/93, Amended 12/19/94, Amended 9/11/95, Amended and renumbered 11/12/96 , Amended 11/08/99] Note: The rules covered by this part were previously adopted by reference under former EPB rule section 2.402.

CHAPTER 62-761.510 TABLE UST

Appendix A

<u>Year Tank or Integral Piping Installed</u>	<u>1989</u>	<u>1992</u>	<u>1995</u>	<u>1998</u>	<u>2004</u>	<u>2009</u>
<u>+Before 1970</u>	<u>O</u>	<u>B</u>		<u>ACFL</u>	<u>D</u>	<u>E</u>
<u>+1970 - 1975</u>		<u>SBL</u>		<u>ACF</u>	<u>D</u>	<u>E</u>
<u>+1976 - 1980</u>		<u>B</u>	<u>SL</u>	<u>ACF</u>	<u>D</u>	<u>E</u>
<u>+1981 - 09/01/84</u>		<u>B</u>		<u>ACFL</u>	<u>D</u>	<u>E</u>
<u>+09/02/84 B 06/30/92 B</u>			<u>ACFL</u>	<u>D</u>	<u>E</u>	
<u>+Other*</u>	<u>B</u>		<u>ACFL</u>	<u>D</u>	<u>E</u>	

Key to Table UST

* = All systems with a capacity between 110 gallons and 550 gallons, all marine fueling facilities as defined in Section 376.031, F.S., and those systems of greater than 550 gallon capacity that use less than 1,000 gallons per month or 10,000 gallons per year.

A =

(1) Small diameter piping that was protected from corrosion by June 30, 1992, shall have:

(a) For pressurized piping, line leak detectors with automatic shutoff, or flow restriction in accordance with Rule 62-761.640(3)(d), F.A.C.; or

(b) For suction integral piping:

1. Secondary containment in accordance with Rule 62-761.500(1)(e), F.A.C.;

2. A single check valve installed in accordance with Rule 62-761.610(4)(a)3., F.A.C.;

3. An annual line tightness test in accordance with Rule 62-761.610(4)(a)1., F.A.C.; or

4. External monthly monitoring or release detection in accordance with Rule 62-761.610(4)(a)1.b., F.A.C.

(2) Bulk product piping in contact with soil shall be upgraded with secondary containment unless the piping is:

(a) Constructed of corrosion resistant materials or upgraded with cathodic protection; and

(b) Tested on an annual basis in accordance with API RP 1110, ASME B31.4, or an equivalent method approved by the Department in accordance with Rule 62-761.850, F.A.C.

B = Vehicular fuel petroleum storage tank systems shall be upgraded with spill containment.

C = Secondary containment in accordance with Rule 62-761.500(1)(e), F.A.C., shall be required for the following:

(1) Concrete storage tanks;

(2) Hazardous substance storage tank systems; and

(3) For pollutant storage tank systems, the storage tank or small diameter piping not protected from corrosion by June 30, 1992.

D = (1) Secondary containment shall be installed for small diameter piping extending over surface waters.

(2) Secondary containment for remote fill-pipes associated with Category-A and Category-B systems.

E = Pollutant storage tanks and small diameter piping protected from corrosion on or before June 30, 1992, and all manifolded piping, shall be upgraded with secondary containment.

F =

(1) Storage tank systems, excluding vehicular fuel petroleum storage tank systems, shall be upgraded with spill containment, dispenser liners (as applicable), and overfill protection.

(2) Unless contained within secondary containment, swing-joints and flex-connectors that are not protected from corrosion shall be protected from corrosion. Facilities that have pressurized small diameter piping and that have not met the foregoing standard on or before July 13, 1998 shall protect the submersible turbine pump from corrosion or provide corrosion protection for the submersible turbine pump if the pump is not installed within secondary containment. Corrosion protection is not required for the submersible turbine pump riser.

L =

(1) Category-A USTs and their integral piping systems that contain vehicular fuel, and that are not protected from corrosion, shall have secondary containment, or be upgraded with secondary containment in accordance with Rule 62-761.500, F.A.C.

(2) Dispenser liners and overfill protection equipment shall be installed at UST Category-A systems containing vehicular fuel.

O = UST Category-A vehicular fuel storage tank systems subject to Chapter 17-61, F.A.C.,(1984), shall be retrofitted for corrosion protection.

S = Secondary containment for storage tanks and integral piping not protected from corrosion.

PART VII
OPEN BURNING AND FROST PROTECTION FIRES

2.701

Chapter 62-256, Florida Administrative Code, is adopted and incorporated in this rule by reference as the City's requirements for open burning and frost protection fires. [History: Effective 1/10/93, Amended 12/19/94, Renumbered 11/12/96] Note: The rules covered by this part were previously adopted by reference under former EPB rule section 2.501.

**PART VIII
AMBIENT AIR QUALITY STANDARDS FOR
AGGREGATE REDUCED SULFUR (ARS)**

2.801

A. General

1. Intent. This rule limits ground level concentrations of ARS. Persons subject to this rule may also be subject to the requirements of Total Reduced Sulfur (TRS) emission limiting standards for Kraft pulp mills and to Best Management Practices requirements for odorous substances. Nothing in this rule shall, in any manner be construed as authorizing or legalizing the creation or maintenance of an objectionable odor or an odor nuisance pursuant to Ordinance 88-117-123.
2. Exemptions. The limits of this rule shall not apply to emissions emanating from materials odorized for safety purposes.
3. Definitions. "Aggregate Reduced Sulfur" (ARS) means the sum of sulfur compounds hydrogen sulfide, methyl mercaptan, dimethyl sulfide, dimethyl disulfide and all other reduced sulfur species which are oxidized to sulfur dioxide (SO₂) as measured by methods prescribed in Section 2.801 C. below.

B. Standard

1. Prohibitions and Restrictions. No person shall build, erect, construct or implant any new source; operate, modify or rebuild any existing source; or by any other means release or take action which would result in the release of ARS compounds into the atmosphere which would result in ground level concentrations greater than the ambient ARS standard established under Section 2.801 B.2. on any property at or beyond the property limits of the premises occupied and used by the person responsible for the emission into the atmosphere.
2. Aggregate Reduced Sulfur Standard established. The maximum ground level concentration of ARS shall not exceed 55 parts per billion (ppb) averaged over any three consecutive minutes.
3. Calculations. The standard shall be calculated on a three minute rolling average basis, rounding the arithmetic mean of all measurements to the nearest part per billion. In determining exceedances of the standard, any sequential set of measurements may be used only once to calculate an exceedance.

C. ARS Ambient Air Quality Monitoring Methodology.

1. Purpose. This section specifies the monitoring method which must be used in ARS ambient air quality monitoring stations.
2. ARS Air Monitoring Station (ARS AMS). Unless otherwise provided in this section, a monitoring method used in a ARS AMS must use two sulfur dioxide (SO₂) automated reference or equivalent method (continuous analyzers) as defined in Title 40, Part 50, Section 1, Code of Federal Regulations (CFR).
3. Applicability. This method provides a measurement of the concentration of ARS in ambient air for determining compliance with the ARS ambient air quality standard as specified in Section 2.801 B.2. above. The method is applicable to the measurement of ambient ARS concentrations using an averaging period of 3 minutes.
4. Principle.
 - a. The ARS continuous monitor consists of a thermal oxidation furnace and two SO₂ automated reference or equivalent analyzers. A thermal oxidizer converts ARS compounds to SO₂.
 - b. The sample gas stream is first split into two equal channels using a teflon union tee. One channel is analyzed directly in a SO₂ automated reference method analyzer for SO₂ content. The second channel is directed through a quartz tube housed within a high temperature ceramic oven. The quartz oven chamber is designed to provide retentions, at maximum flow rate (1.5 l/min.), well in excess of the recommended minimum (0.1 sec.) for oxidation.

For ARS applications, a temperature range between 800 and 950EC is used. At lower retention times or lower temperature, dimethyl sulfide (DMS) and dimethyl disulfide (DMDS) are not oxidized. If the temperature is too high, SO₂ will be oxidized to SO₃.

For ARS applications, a temperature range between 800 and 950EC is used. At lower retention times or lower temperature, dimethyl sulfide (DMS) and dimethyl disulfide (DMDS) are not oxidized. If the temperature is too high, SO₂ will be oxidized to SO₃.

After the ARS compounds have been oxidized to SO₂, the cumulative SO₂ is then monitored by the second SO₂ automated reference method analyzer. The SO₂ measured in the second channel is the sum of the SO₂ ambient gas concentration and the SO₂ converted from ambient ARS gases as a result of oxidation in the thermal oxidation furnace. The difference between the ambient SO₂ concentration monitored in channel one and the cumulative SO₂ concentration monitored in channel 2 is ambient ARS.

5. Range. The lower limit of detection of the SO₂ analyzers must be 1.0 ppb and operated on a range of 0 to 100 ppb. The SO₂ analyzers may be used on a higher range if they have been designated as a reference or equivalent method on the range being used.
6. Calibration, Operation, Maintenance and Quality Assurance.
 - a. Either of two methods may be used for dynamic multi point calibration of SO₂ analyzers. One method uses a single certified standard cylinder of SO₂ gas, diluted as necessary with zero air or N₂, to obtain the various calibration concentrations needed. The other method uses an SO₂ permeation gas standard generator. The SO₂ emitted from the standard generator is diluted with zero air or N₂ to produce SO₂ concentrations suitable for calibration of the SO₂ analyzers.
 - b. The SO₂ gaseous standard must be as prescribed in Title 40, Part 58, Appendix A, Section 2.3.1, Code of Federal Regulations.
 - c. The Department's quality assurance program, which has been approved by the EPA Regional Administrator, describes in detail the operation, calibration and maintenance of the SO₂ analyzer and the Department's EPA approved quality assurance program is as prescribed in Title 40, Part 58, Appendix A, Section 2.0, Code of Federal Regulations.
 - d. The data quality assessment requirements shall be the same as those used in the state and local air monitoring station (SLAMS), defined in Title 40, Part 58, Section 1, Code of Federal Regulations, except that the accuracy of the SO₂ analyzers shall be determined from the following ranges:

AUDIT LEVEL	CONCENTRATION RANGE PPB
1	15-20
2	35-45
3	80-90

The precision of the SO₂ analyzer shall be determined from audit level one (1).

- e. For determining exceedances of the standards, only data collected while the monitor was stationary will be considered.
- D. New Source Review Criterion. No new, modified or rebuilt air pollution source shall be permitted or constructed whose predicted maximum one-hour ground level concentration of ARS exceeds 15 parts per billion (ppb), as determined by mathematical dispersion models approved by the Department except that sources subject to NSPS shall be exempt from this new source review criterion.
- E. Action When Standard Exceeded.
- 1. Corrective Action. If a measurement of any sample shows that the ground level concentrations are greater than the ARS standards established, the Department shall take appropriate action to determine the reason for and if possible, the source of the excess ARS. The Jacksonville Environmental Protection Board will also determine whether further source-specific controls or Best Management Practice Rules are necessary.
 - 2. Enforcement. A measurement that shows that the ARS standard has been exceeded may be used to begin investigation into an emission or an odor which may be an objectionable odor or an odor nuisance, as defined by Chapter 376, Ordinance Code. Evidence discovered as a result of that investigation may lead to enforcement action, pursuant to 376.110 and 376.111, Ordinance Code. However, such a measurement may not be used as evidence in that enforcement action.
- F. Effective Date. This amendment shall become effective twenty (20) days after the date it is submitted to the office of the City Council Secretary. [History: Formerly EPB 2.303; Effective 10/27/88, Amended 12/20/88, Amended and renumbered 1/10/93, Amended and Renumbered 11/12/96] Note: The rules covered by this part were previously adopted under former EPB rule section 2.602.

**PART IX
AIR POLLUTION EPISODES**

2.901 Air Pollution Episode - Local Rules

A. City-Wide Episode Control Plans

The Department shall prepare appropriate city-wide episode control plans to reduce air pollution levels based upon the plans submitted by sources of pollutants as required in JEPB Rule 2.104. The objective of the plans shall be to bring about a diminution of the particular air contaminants by curtailing the operations of industrial, business or other activities, the conduct of which is essential to the health and welfare of the community.

B. Episode Alert

In the event that an exceedance of the ambient air quality standards, as defined in JEPB Rule 2.201, is reached, the Department shall notify the following persons:

- A. Mayor.
- B. Public Health Officer.
- C. Regional and State officers, State Department of Environmental Protection.
- D. Board Members.
- E. Local public official and public safety personnel having responsibilities or interests in air pollution.
- F. Air pollution sources which require alert data in order to execute emergency control plans.
- G. General public, through available media of communication.

C. Coordination

Upon notification of a high air pollution episode, the Department will coordinate monitoring and enforcement activities with the State Department of Environmental Protection if the State Department of Environmental Protection elects to participate. [History: Formerly S. 362.405 - S. 362.408, Ordinance Code, EPB 2.405 - 2.408; Effective 3/18/85; Amended and Renumbered 1/10/93, Amended 12/19/94, Amended and renumbered 11/12/96]. Note: The rules covered by this part were previously adopted under former EPB rule section 2.702.

PART X
STATIONARY SOURCES - EMISSION STANDARDS

2.1001

Chapter 62-296, Florida Administrative Code, is adopted and incorporated in this rule by reference as the City's emission standards for stationary sources. [History: Effective 1/10/93, Amended 12/19/94, Amended 9/11/95, Amended and renumbered 11/12/96, Amended 6/08/98, Amended 11/08/99] Note: The rules covered by this part were previously adopted by reference under former EPB rule section 2.901.

PART XI
STATIONARY SOURCES - EMISSION MONITORING

2.1101

Chapter 62-297, Florida Administrative Code, is adopted and incorporated in this rule by reference as the City's emission monitoring requirements for stationary sources. [History: Effective 1/10/93, Amended 12/19/94, Amended and renumbered 11/12/96, Amended 6/08/98, Amended 11/08/99, Amended 11/10/03.] Note: The rules covered by this part were previously adopted by reference under former EPB rule section 2.1001.

PART XII
AIR POLLUTION NUISANCE RULES

2.1201 General Standard for Volatile Organic Compounds

Persons shall use reasonable care to avoid discharging, leaking, spilling, seeping, pouring, or dumping volatile organic compounds or organic solvents. [History: Formerly S.362.206, City Ordinance Code; EPB 2.205 B.2.; Effective 3/18/85; Renumbered 1/10/93, Renumbered 11/12/96]. Note: The rules covered by this part were previously adopted by reference under former EPB rule section 2.1101.

2.1202 Emissions from Ships and Locomotives

A. Applicability

This rule applies to the operation of ships and locomotives at all places within the borders of Duval County, Florida.

B. Definitions

1. "Cold boiler light off" - The light off of a steam boiler without the use of steam from an operating shipboard boiler or shore steam, to preheat the boiler furnace and combustion air.
2. "Distillate Fuel" - Liquid fuels distilled, usually from crude petroleum and conforming to the properties of nos. 1 through 4 fuel oils as specified in ASTM D 396-80.
3. "Emergency boiler shut down" - An unscheduled, immediate cessation of boiler operation caused by a failure of the boiler and/or boiler auxiliaries, a fire in the machinery spaces or a similar unforeseeable casualty which all preventable measures could not have eliminated.

C. Prohibited Acts

No person, including owners, ships' captains and engineers, shall cause, let, permit, suffer or allow:

1. Visible emissions from ships or locomotives greater than twenty percent (20%) opacity, except that visible emission as great as forty percent (40%) opacity shall be permissible for no more than two minute in an hour.

2. Operation of any shipboard steam boiler without posting and maintaining in a conspicuous place within plain view of the boiler operators a warning placard as shown in Attachment I.
3. The blowing of steam boiler tubes, economizers, air heaters, stacks or any other boiler components for the purpose of removing accumulated soot while in the port of Jacksonville, except in the event of an emergency threatening life or property.
4. Operation of any steam boiler without having in charge of the engine room an engineer duly licensed by the country of the vessels registry or by the United States Coast Guard. Proof of identity and license of said engineer shall be maintained on-board the vessel and shall be made available for inspection to the Department upon request.
5. Emergency boiler shut-downs, the light off of a cold boiler or boiler pressure relief valve safety test, without giving notice to the Department. In the case of cold boiler light off and boiler pressure relief valve safety tests, notification shall be by telephone and shall be given prior to the test or light off. Notification shall be given by telephone as soon as possible following an emergency boiler shut-down. Each notice required by this part shall include the following information:
 - a. Name of vessel.
 - b. Location of vessel.
 - c. Time of reported event.
 - d. Name of operator in charge of the vessel and of the engine room.
6. A cold boiler light off using any fuel other than distillate fuel.

D. Exemptions

1. Visible emissions caused by an emergency boiler shut-down or by boiler pressure relief valve safety tests shall be exempt from the opacity limits of Section 2.1202 C.1. above, provided that -
 - a. Best operational practices to minimize emissions are adhered to.

- b. The duration of the excess emission shall be minimized, but in no case shall exempted emissions exceed 30 minutes in any 24-hour period, and
 - c. Notification of the emergency boiler shut-down or safety valve test shall have been provided in a timely manner, pursuant to the requirements of Section 2.1202 C.5. above.
2. In the event of a visible emission in excess of the opacity limits of Section 2.1202 C.1. caused by an emergency boiler shut-down or by boiler safety valve tests, a written report shall be submitted within 30 days, if requested by the Department, detailing the exact cause of the excess emission and the operational practices taken to minimize the emission.

E. Equipment Specifications.

In addition to the payment of any fines, penalties or settlements tendered in resolution of said violations, a vessel which is the source of an emission, in violation of Section 2.1202 C., shall be subject to the equipment specifications set forth below. This Section will apply if the violations are admitted or uncontested, or if contested, are found by the Board or by a court of competent jurisdiction to have occurred.

- 1. Vessels powered by steam boilers and subject to this Section shall be equipped with smoke detectors and alarms which immediately alert engineers on watch in the engine room of any excessive smoke emitted from the ship. Smoke detectors shall, at all times, be calibrated, operated and maintained in accordance with manufacturer's written specifications. The manufacturer's specification, together with written records of all instrument calibrations and maintenance performed, shall be maintained on-board the vessel and shall be made available for inspection to the Department upon request.
- 2. Smoke detectors and alarms required by this section shall be installed and calibrated as soon as possible, but not later than six months from the date of Citation if uncontested, or if contested, not later than six months from the date of determination by the Board or Court that the violation occurred.
- 3. Whenever the smoke detector required by this section measures an emission into the atmosphere in excess of forty percent (40%) opacity, notice shall be given by telephone to the Department immediately upon discovery of the excess emission and shall include the following information:

- a. Name of vessel.
- b. Location of vessel.
- c. Time of discovery of excessive emission.
- d. Duration of excessive emission.
- e. Suspected cause of excessive emission.
- f. Corrective action taken to abate the excessive emission.
- g. Name of operator in charge of the vessel and of the engine room.

F. Compliance Test Method

Determinations of the opacity of emissions, pursuant to Section 2.1202 C.1., above, shall be made using United States Environmental Protection Agency Reference Method No.9 (40 Code of Federal Regulation (CFR) 60, Appendix A). Only determinations made by qualified observers trained and certified in accordance with Reference Method No.9 shall be used to enforce the opacity limits.

G. Penalties and Injunctive Relief

Violations of this rule shall be punishable by civil penalties specified in Section 362.110, Ordinance Code and to injunctive relief as provided in Section 360.407, Ordinance Code.

H. Enforcement

This rule shall be enforced by the Department in accordance with the provisions of Chapter 360 and 362, Ordinance Code.

I. Air Pollution Nuisance Prohibited

Nothing in this rule shall in any manner be construed as authorizing or legalizing the creation or maintenance of an air pollution nuisance, as defined in Environmental Protection Board Rule 2.1203. A violation of this rule does not, in and of itself, constitute an air pollution nuisance, as defined in Board Rule 2.1203.

J. Effective Date

This rule shall become effective twenty days following adoption by the Board and filing with the Council Secretary. [History: Formerly S 362.208, City Ordinance Code; EPB 2.206; Effective 7/9/90; Amended and renumbered 1/10/93, Amended and renumbered 11/12/96, Amended 9/11/00] Note: The rules covered by this part were previously adopted by reference under former EPB rule section 2.1102.

2.1203 Air Pollution Nuisances

A. Preamble

An Environmental Protection Board rule; developed pursuant to the rule making powers of the Board as defined in Section 360.108, Ordinance Code; prohibiting the creation of public air pollution nuisances that would adversely affect human welfare or cause damage to property or unreasonably interfere with the enjoyment of life or property or the conduct of business; providing procedures for notification to the source in the event of occurrence of a nuisance; and defining the elements of property damage.

B. Air Pollution Nuisance Defined

1. The term "air pollution nuisance" shall mean the presence in the atmosphere, from any source or sources whatever, of any air contaminant, including but not limited to smoke, ashes, dust, dirt, grime, soot, acids, fumes, gases, vapors, abrasive blasting grit, paint, or any other substance or combination of substances, in such amounts as to adversely affect human welfare; or cause harm or damage to property or unreasonably interfere with the enjoyment of life or property or the conduct of business.

In order for the Board to abate a nuisance under this section, the nuisance must be a public nuisance, as opposed to a private nuisance, although a nuisance may be both public and private. A public nuisance affects rights common to the whole community or a considerable number of persons and not merely some particular person. After the Department has received and validated citizen complaints from ten or more persons who do not live in the same household within a one year period or less, each alleging an adverse affect to that person's human welfare or damage to his own property, or unreasonable interference with enjoyment of life or property or the conduct of business, the source responsible shall be deemed a public nuisance. In addition, and irrespective of the number or frequency of complaints, damage to property or unreasonable interference with the enjoyment of life or property or the conduct of business which occurs in or on any public way or place, including but not limited to parks, playgrounds, recreational area, schools, street, highways, bodies of water, or any publicly owned land or buildings, shall be deemed a public nuisance.

2. For the purpose of this rule, source means any stationary point source as defined in Section 62-210.200, FAC, any unconfined or area source and any mobile source, including but not limited to automobiles, trucks, buses, locomotives and ships.

C. Exceptions

1. Objectionable odors are not included under this section.
2. In the case of a permitted source of air pollution equipped with continuous emission monitors (CEMs) which measure the air pollutant alleged to have caused the nuisance and which meet applicable Federal performance specifications for continuous emissions monitors, the submission of CEM data showing compliance with applicable emission limiting standards during the time of the air pollution nuisance shall constitute prima facie evidence of no violation of the provisions of this rule.

D. Elements of property damage

Pursuant to this rule, property damage shall include, but is not limited to the deposition, impaction, settling or condensation of an air pollution nuisance, as defined in Section B on any property at any point beyond the property limits of the premises occupied or used by the person responsible for the emission into the atmosphere of the air pollution nuisance as defined in Section B, so as to cause:

1. Excessive corrosion of metal surfaces as demonstrated by comparison with similar surfaces in the general area or other portions of the same structures.
2. Etching or discoloration of surface coatings.
3. Soiling in amounts which necessitate additional cleaning of property not otherwise required or refinishing of coated or polished surfaces.
4. Discoloration or soiling over and above normal wear and tear resulting from the tracking of deposited material onto carpets or other types of finished floor covering which necessitate cleaning not otherwise required.
5. Impaction of paint droplets or other coating materials onto surfaces.

E. Air Pollution Nuisance Prohibited

No person who owns or operates a source which emits air contaminants as defined in Section B shall cause, suffer, allow or permit the emission or escape into the atmosphere of an air pollution nuisance, as defined in Section B; and nothing in this rule shall, in any manner be construed as authorizing or legalizing the creation or maintenance of an air pollution nuisance, as defined in Section B.

F. Civil Penalties and Injunctive Relief

Persons who cause an air pollution nuisance, as defined in Section B shall be subject to civil penalties specified in Section 362.110, Ordinance Code; as well as to injunctive relief as specified in Section 360.407, Ordinance Code.

G. Source Notification Procedures

The Department shall make all reasonable attempts to notify the owner or operator of the source alleged to be causing a nuisance not later than the next business day after the Department has initially identified the source as the suspected cause of the complaint. [History: Formerly EPB 2.211; Effective December 1985; Amended and renumbered 1/10/93, Amended 12/19/94, Amended and renumbered 11/12/96] Note: The rules covered by this part were previously adopted by reference under former EPB rule section 2.1103.

NOTICE TO SHIPS
WHILE IN THE PORT OF JACKSONVILLE

EXCESSIVE SMOKE

The Jacksonville Ordinance Code prohibits the emission into the air of visible smoke greater than 20 percent (20%) opacity, except that a visible emission as great as 40 percent (40%) opacity shall be permissible for not more than two minutes in any hour.

Soot blowing except in an emergency threatening life or property, is prohibited.

Violation of these and all other applicable rules of the City of Jacksonville are punishable by fines of up to \$10,000 per day, for each separate offense.

To report cold boiler lightoffs, emergency boiler shutdown, boiler safety testing or excess emission call

630-4900

**PART XIII
PERMITS -GENERAL PROVISIONS**

2.1301 Air Pollution Source Permits

Chapter 62-4, Florida Administrative Code, is adopted and incorporated into this rule by reference as the City's air pollution source permitting requirements. [History: New, Effective 12/19/94, Amended 9/11/95, Amended and Renumbered 11/12/96, Amended 11/08/99, Amended 08/13/01] Note: The rules covered by this part were previously adopted by reference under former EPB rule section 2.1201.

2.1302 Air Pollution Source Permit Hearings and Public Notice Requirements

Section 120.57, Florida Statutes, and Rules 62-110.106, 28-106.110, 28-106.201, and 28-106.301, Florida Administrative Code are adopted by reference as the Board requirements for hearings and public notice in conjunction with air pollution permitting. [History: New, Effective 12/19/94, Amended and Renumbered 9/11/95, Amended and Renumbered 11/12/96, Amended 11/8/99]. Note: The rules covered by this part were previously adopted by reference under former EPB rule section 2.1204.

DONE AND ORDERED This ____ day of _____, 2003, at the regular meeting of the Environmental Protection Board, City of Jacksonville.

ENVIRONMENTAL PROTECTION BOARD

BY:

**TODD L. SACK, M.D.
CHAIRMAN**