



# PIKE INDUSTRIES, INC.

145 River Road • Lewiston, Maine 04240 • (207) 782-2411

AN EQUAL OPPORTUNITY EMPLOYER

ESTABLISHED 1872

102 Bishop

293 C, 001

January 9, 2004

Mr. Edwin L. Cousins  
State of Maine  
Department of Environmental Protection  
Bureau of Air Quality  
17 State House Station  
Augusta, Maine 04333-0017

Re: Renewal of Air Emission License "A-351-71-H-R"  
Hot Mix Asphalt Plant P910; Portland, Maine

Dear Mr. Cousins:

As required by the Maine Department of Environmental Protection, Bureau of Air Quality Control's regulations, please find enclosed two copies of Pike Industries, Inc.'s Air Emissions Draft License renewal, for your review. A copy has also been made available for public viewing at the city office in Portland. If you should have any questions during your review process, please do not hesitate to give me a call.

Respectfully,  
Pike Industries, Inc.

John Koris, P.E.  
Regional EHS Manager

Cc: Bob Robillard  
Brian Donovan  
File

Renewal Air License **A-351-71-H-R**  
January 9, 2004

**CHAPTER 115**  
**AIR EMISSION LICENSE APPLICATION FORMS**

State of Maine  
Department of Environmental Protection  
Bureau of Air Quality  
17 State House Station  
Augusta, Maine 04333-0017  
phone: (207) 287-2437 fax: (207) 287-7641

Revised 1/02

**Section A: FACILITY INFORMATION**

Facility Name to Appear on License: Pike Industries, Inc. P910  
Emission Location: 102 Bishop Street City/Town: Portland County: Cumberland  
Facility Contact: John Koris, P.E. Title: Regional Engineer - Maine  
Phone: (207)782-2411 Fax: (207)782-4971  
Facility Mailing Address: 145 River Road  
City/Town: Lewiston Zip Code: 04240  
Facility Phone Number: (207)782-2411

Facility and Application Description:  
Production of bituminous concrete (Hot Mix Asphalt)  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Current License #: A- 3 5 1 - 7 1 - H - R  
Application #: A- - - - (to filled in by the Department)

- Check When Done:  
 Application Completed  
 Copy Sent To Town (date sent) 1/9/2004  
 Public Notice Published 12/14/2003 12/21/2003 12/28/2003  
(paper name: **Portland Press Herald**)  
Enclosed Public Notice Tear Stee **Will forward upon receipt**  
 Signed Signatory Form (section J)  
\_\_\_\_ If applicable, notified abutting landowners (major modification)  
\_\_\_\_ If applicable, enclosed check for fee (new sources)



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**FUEL BURNING EQUIPMENT (section B cont'd.)**

Monitors for Fuel Burning Equipment:

If applicable, indicate types of required operated monitors, including CEM, COM, parameter monitors for operational purposes, etc.

Emission Unit #	Type of Monitor	Data Measured	Date Installed	Monitor Location
<i>Ex. blr. #1</i>	<i>CEM</i>	<i>NO<sub>x</sub></i>	<i>1990</i>	<i>stack 1 breach</i>
<i>Ex. blr. #1</i>	<i>param. - operational</i>	<i>temperature</i>	<i>1988</i>	<i>back of boiler chamber</i>
<b>P910</b>	<b>burner control</b>	<b>temperature</b>	<b>1985+/-</b>	<b>control room</b>
		<b>fuel %</b>		
		<b>hours of operation</b>		
<b>P910</b>	<b>3 fuel pressure guages</b>	<b>fuel pressure</b>	<b>1996</b>	<b>control room</b>

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Section C: INCINERATORS

N / A

	Incinerator Unit 1	Incinerator Unit 2
Incinerator Type (midevil waste, municiple, etc.		
Date of Manufacture		
Date of Installation		
Number of Chambers		
Max. Design Feed Rate (per load)	lb	lb
Waste Type		
Max. Design Combustion Rate	lb/hr	lb/hr
Heat Recovery? (Yes or No)		
Retention Time	seconds	seconds
Automatic Feeder? (Yes or No)		
Temperature Range		
primary	to °F	to °F
secondary	to °F	to °F
Auxillary Burner - Primary Chamber		
max. rating (MMBtu/hr)		
type of fuel used		
Auxillary Burner - Secondary Chamber		
max. rating (MMBtu/hr)		
type of fuel used		
Annual Waste Combusted for (yr)		
Pollution Control Equipment (if any)		
Stack Number		
Monitors (ie. - temperature recorder)		

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**Section D: PROCESS EQUIPMENT**

Emission Unit #	Type of Equipment	Maximum Raw Material Process Rate (name and rate)	Maximum Finished Material Process Rate (name and rate)	Date of Manufacture	Date of Installation	Stack #	Control Device
<i>Ex. rcl</i>	<i>rock crusher</i>	<i>150 tons/hr gravel</i>		<i>1990</i>	<i>1994</i>	<i>fugitive</i>	<i>water sprays</i>
<b>P910</b>	<b>HMA Plant</b>	<b>240 tons/hr.</b>	<b>240 tons/hr.</b>	<b>1965</b>	<b>1965</b>	<b>1</b>	<b>baghouse</b>
<b>P910</b>	<b>2 HMA Silos</b>	<b>200 tons cap</b>	<b>200 tons cap</b>	<b>1999</b>	<b>1999</b>	<b>0</b>	

Control Device Description for Process Equipment

Emission Unit #	Control Device	Pollutant(s) Controlled	Capture Efficiency (%)	Control Efficiency (%)
<i>Ex. rcl</i>	<i>water sprays</i>	<i>PM</i>		<i>approx. 90</i>
<b>P910</b>	<b>baghouse</b>	<b>PM</b>	<b>99%</b>	<b>99%</b>
<b>P910</b>	<b>knock-out box (pre-cleaner to baghouse)</b>	<b>PM</b>	<b>20%</b>	<b>20%</b>

Associated Fuel Burning Equipment

Note: Complete this section for any fuel burning equipment integral to the process unit, ie. a dryer. Do not use this section for boilers or fuel burning equipment identified as a separate emission unit in Section B.

Emission Unit #	Type of Equipment	Maximum Input Rating (MMBtu/hr)	Maximum Firing Rate	Fuel Type Inc. % sulfur	Stack #
<b>N/A</b>					



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**Section E: STACK DATA**

Stack #	Height above ground (circle units: m , ft)	Inside Diameter (circle units: m , ft)	Exit Temperature °F	Flow Rate (m <sup>3</sup> /s or ft <sup>3</sup> /s) [indicate actual or standard]
1	27 ft.	60 in.	270°F	34,200 SCFM

**Section F: ANNUAL FACILITY FUEL USE**

Total Fuel Consumption by Month for: 2002 (year)

Fuel Uses for Emission Units <u>P910</u>	Fuel Uses for Emission Units <u>P910</u>	Fuel Uses for Emission Units _____
<u>#2 Fuel</u>	<u>spec. waste oil</u>	
Avg % sulfur (oil) <u>0.7%</u>	Avg % sulfur (oil) <u>0.7%</u>	Avg % sulfur (oil) _____
Avg % moisture (wood) _____	Avg % moisture (wood) _____	Avg % moisture (wood) _____
(circle one) (gal) tons, scf) _____	(circle one) (gal) tons, scf) _____	(circle one) (gal) tons, scf) _____
January <u>0</u>	<u>0</u>	_____
February <u>0</u>	<u>0</u>	_____
March <u>0</u>	<u>0</u>	_____
April <u>30</u>	<u>6440</u>	_____
May <u>5657</u>	<u>32924</u>	_____
June <u>7366</u>	<u>45101</u>	_____
July <u>1297</u>	<u>36726</u>	_____
August <u>1435</u>	<u>43719</u>	_____
September <u>4138</u>	<u>40442</u>	_____
October <u>8230</u>	<u>32241</u>	_____
November <u>22722</u>	<u>12817</u>	_____
December <u>7036</u>	<u>0</u>	_____
Total <u>57911</u>	<u>250410</u>	<u>0.00</u>



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**Section G: LIQUID ORGANIC MATERIAL STORAGE**

Emission Unit #	N / A					
Above or Below Ground?						
Type (floating or fixed, riveting or bolted, etc.						
Physical decription - age						
Physical description - color						
Dimensions - height (ft)						
Dimensions - Diameter (ft)						
Capacity (gallons)						
Construction Type						
Materials Stored name						
vapor pressur & temp						
RVP						
total oxygen content						
oxygenate name						
annual throughput						
Loading (from trucks/ ships/barge, etc.						
Transferring (to truck/ to barge/to pipeline, etc.)						
Control Device						

**Section H: MISCELLANEOUS**

Note: Use this section to describe any equipment, activities, or other air emission sources that did not fit in any of the above categories. Include descriptions of the associated emissions.

Equipment Description(s): \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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**Section I: LIST OF ATTACHMENTS**

Please Check the Appropriate Boxes Below

- |                          |   |              |       |
|--------------------------|---|--------------|-------|
| <input type="checkbox"/> | Plot Plan   | - Attachment | _____ |
| <input type="checkbox"/> | Calculations                                      | - Attachment | _____ |
| <input type="checkbox"/> | BPT Analysis                                      | - Attachment | _____ |
| <input type="checkbox"/> | BACT Analysis (new sources)                       | - Attachment | _____ |
| <input type="checkbox"/> | Schedule for Construction (new source, mod.)      | - Attachment | _____ |
| <input type="checkbox"/> | Title, Right, Interest Documentation (new source) | - Attachment | _____ |
| <input type="checkbox"/> | MACT Demonstration                                | - Attachment | _____ |
| <input type="checkbox"/> | Air Quality Modeling Analysis                     | - Attachment | _____ |
| <input type="checkbox"/> | Ambient Air Monitoring Plan                       | - Attachment | _____ |
| <input type="checkbox"/> | Stack test Protocols/Reports                      | - Attachment | _____ |
| <input type="checkbox"/> | Continuous Emissions Monitoring Plans/QA/QC       | - Attachment | _____ |
| <input type="checkbox"/> | Confidentiality Justification                     | - Attachment | _____ |
| <input type="checkbox"/> | Operational Flexibility                           | - Attachment | _____ |
| <input type="checkbox"/> | Description of Alternative Operating Scenarios    |              |       |
| <input type="checkbox"/> | Other _____                                       | - Attachment | _____ |
| <input type="checkbox"/> | Other _____                                       | - Attachment | _____ |

Note: Other' documentation submitted may include identification of activities proposed as substantially equivalent to insignificant activities specified in Appendix B of Chapter 115; requests for specific requirements to be federally enforceable; etc.

**Section J: SIGNATORY REQUIRMENT**

Each application submitted to the Department must include the following signed by a Responsible Official:

"I certify under penalty of law that, based on information and belief formed after reasonable inquiry, I believe the information included in the attached document is true, complete, and accurate."

Robert E. Robillard  
 Responsible Official Signature

January 9, 2004  
 Date

Robert E. Robillard  
 Responsible Official (Printed or Typed)

Region 2 Manager  
 Title

**PUBLIC NOTICE OF INTENT TO FILE**

Please take notice that **Pike Industries, Inc.**  
**3 Eastgate Park Road, Belmont, NH 03220 Tel.# (603)527-5100**  
*(name, address, and phone number of applicant)*

is intending on filing an Air Emission License application with the Maine Department of Environmental Protection (DEP) pursuant to provisions of 38 M.R.S.A., Section 590 on **January 12, 2004**. The application is for **Air Emission License**  
*(submittal date)*

**Renewal of the Portland Maine Hot Mix asphalt plant facility located**  
*(summary of project)*  
at **172 Bishop Street, Portland**. According to Department regulations, interested  
*(project location)*

parties must be publicly notified, written comments invited, and if justified, an opportunity for public hearing given. A request for a public hearing or for Board of Environmental Protection to assume jurisdiction must be received by the Department, in writing, no later than 20 days after application is accepted by the Department as complete for processing.

The application and supporting documentation are available for review at the Bureau of Air Quality (BAQ) of DEP offices in Augusta, located in the Upham Building at 71 Hospital Street, (207) 287-2437, during normal working hours. A copy of the application and supporting documentation may also be seen at the municipal office in **Portland**, Maine.  
*(town)*

Written public comments may be sent to **Edwin Cousins** at the Bureau of  
*(project manager)*  
Air Quality, State House Station #17, Augusta, Maine 04333.





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**Air Emission License Renewal** of the Portland,  
Maine Hot Mix Asphalt plant facility located at  
**172 Bishop Street, Portland, ME.**

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