

# ADEQ MINOR SOURCE AIR PERMIT

Permit #: 2022-A

IS ISSUED TO:

Lexicon, Inc.  
8900 Fourche Dam Pike  
Little Rock, AR 72206  
Pulaski County  
CSN: 60-1801

THIS PERMIT IS YOUR AUTHORITY TO CONSTRUCT, MODIFY, OPERATE, AND/OR MAINTAIN THE EQUIPMENT AND/OR FACILITY IN THE MANNER AS SET FORTH IN THE DEPARTMENT'S MINOR SOURCE AIR PERMIT AND YOUR APPLICATION. THIS PERMIT IS ISSUED PURSUANT TO THE PROVISIONS OF THE ARKANSAS WATER AND AIR POLLUTION CONTROL ACT (ARK. CODE ANN. SEC. 8-4-101 ET SEQ.) AND THE REGULATIONS PROMULGATED THEREUNDER, AND IS SUBJECT TO ALL LIMITS AND CONDITIONS CONTAINED HEREIN.

Signed:

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Keith A. Michaels

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Date

## **SECTION I: FACILITY INFORMATION**

PERMITTEE:	Lexicon, Inc.	
CSN:	60-1801	
PERMIT NUMBER:	2022-A	
FACILITY ADDRESS:	8900 Fourche Dam Pike Little Rock, AR 72206	
COUNTY:	Pulaski	
CONTACT POSITION:	Steve Dineen, Corporate Safety Officer	
TELEPHONE NUMBER:	(501) 490-4200	
REVIEWING ENGINEER:	Phillip Murphy	
UTM North-South (Y):	Zone 15	3841.1
UTM East-West (X):	Zone 15	574.200

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## **SECTION II: INTRODUCTION**

### **Summary**

Lexicon operates a structural steel fabrication shop. Lexicon receives steel plate, I-beams, H-beams, angle, flat bar and other steel materials and fabricates the steel to individual job specifications or ships the steel without further changes. The work process may include fabrication; fabrication and surface preparation; fabrication and surface coating; or fabrication, surface preparation and surface coating. Lexicon performs the surface coating in a designated area and vents the area through two vents (SN-01). The vents are in close proximity and will be considered one source.

### **Process Description**

Lexicon fabricates steel to individual job specifications or ships the steel without further changes. The work process may include fabrication; fabrication and surface preparation; fabrication and surface coating; or fabrication, surface preparation and surface coating. Lexicon performs the surface coating in a designated area and vents the area through two vents (SN-01). The vents are in close proximity and will be considered one source.

### **Regulations**

Lexicon is subject to both the Arkansas Air Pollution Control Code (Regulation No. 18) and the Arkansas Plan of Implementation for Air Pollution Control (Regulation No. 19).

The following table is a summary of the facility's total emissions.

TOTAL ALLOWABLE EMISSIONS		
Pollutant	Emission Rates	
	lb/hr	tpy
VOC	266	95
Total HAPs	266	23.8
Individual HAP	266	9.5

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### **SECTION III: PERMIT HISTORY**

Lexicon, Incorporated operated without an air permit. This permit is the initial air permit.

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#### **SECTION IV: EMISSION UNIT INFORMATION**

##### **Specific Conditions**

1. Pursuant to §19.501 et seq. of the Regulations of the Arkansas Plan of Implementation for Air Pollution Control, effective February 15, 1999 (Regulation 19) and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, the permittee shall not exceed the emission rates set forth in the following table.

SN	Description	Pollutant	lb/hr	tpy
01	Spray painting	VOCs	266	95

2. Pursuant to §18.801 of the Arkansas Air Pollution Control Code, effective February 15, 1999 (Regulation 18) and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, the permittee shall not exceed the emission rates set forth in the following table.

SN	Description	Pollutant	lb/hr	tpy
01	Painting area	Total HAPs	266	23.8
01	Painting area	Individual HAP	266	9.5

3. Pursuant to §18.801 of Regulation 18, and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, the permittee shall not cause or permit the emission of air contaminants, including odors or water vapor and including an air contaminant whose emission is not otherwise prohibited by Regulation #18, if the emission of the air contaminant constitutes air pollution within the meaning of A.C.A. §8-4-303.
4. Pursuant to §18.901 of Regulation 18, and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, the permittee shall not conduct operations in such a manner as to unnecessarily cause air contaminants and other pollutants to become airborne.
5. Pursuant to A.C.A. §8-4-207 as referenced by A.C.A. §8-4-304 and §8-4-311, the permittee shall have the north vent system relocated and modified for full operation by January 15, 2003. The permittee will demonstrate compliance with this condition pursuant to General Condition #3.

##### **SN-01 Conditions**

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6. Pursuant to §18.801 of Regulation 18, and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, the permittee shall not exceed 9.5 tons per year of any individual HAP or 23.8 tons per year of total HAPs at the facility per consecutive twelve month period.
7. Pursuant to §18.1004 of Regulation 18, and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, the permittee shall maintain monthly records which demonstrate compliance with Specific Condition #6. The permittee will update the records by the fifteenth day of the following month. The permittee will keep the records onsite and make the records available to Department personnel upon request.
8. Pursuant to §19.501 of Regulation No. 19 and A.C.A. §8-4-304 and §8-4-311, the permittee shall not exceed 95 tons per year of VOC at the facility per consecutive twelve month period.
9. Pursuant to §19.705 of Regulation 19, and 40 CFR Part 52, Subpart E, the permittee shall maintain monthly records which demonstrate compliance with Specific Condition #8. Records shall be updated by the fifteenth day of the month following the month to which the records pertain. The permittee will keep the records onsite and make the records available to Department personnel upon request.
10. Pursuant to §18.1004 of the Arkansas Air Pollution Control Code (Regulation #18) and to A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, the permittee shall not use any “As Delivered” coating formulation containing any HAP, as listed in CAA §112(b)(1), unless it is a VOC and is below the weight limits described in the table below for the HAPs TLV. The term “As Delivered” refers to the paint as described in the MSDS documents. All other thinners and solvents (including those used for cleanup, to make-up for evaporation losses, and to compensate for cooler temperatures) are considered “miscellaneous solvents” (see Specific Condition #11).

HAPs Minimum Allowable TLV (mg/m <sup>3</sup> )	lbs/gal of coating as applied
434.0	8.00
433.0	8.00
389.7	7.20
346.4	6.40
303.1	5.60
259.8	4.80
216.5	4.00

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HAPs Minimum Allowable TLV (mg/m <sup>3</sup> )	lbs/gal of coating as applied
204.8	3.78
188.4	3.48
173.2	3.20
129.9	2.40
86.6	1.60
65.0	1.20
43.3	0.80

11. Pursuant to §18.1004 of the Arkansas Air Pollution Control Code (Regulation #18) **and** to A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, the permittee shall not use miscellaneous solvent and thinners in excess of two (2) lbs per gallon of “As Delivered Paint.”

$$MS = \frac{\sum (S + T)}{\sum P} < 2lb / gal$$

Where :

- MS Miscellaneous solvents and thinners average pound per gallon of paint (lb/gal).
- T Monthly total for thinners classified as miscellaneous solvents (lbs).
- S Monthly total for Solvents classified as miscellaneous solvents (lbs).
- P Monthly total for As Delivered Paint (Gallons).

12. Pursuant to §18.1004 of the Arkansas Air Pollution Control Code (Regulation #18) and to A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, the miscellaneous solvents and thinners shall not contain HAPs with a TLV less than 434 mg/m<sup>3</sup>.
13. Pursuant to §18.1004 of the Arkansas Air Pollution Control Code (Regulation #18) and to A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, the facility shall only use coatings for which the facility has MSDS or equivalent documents. The facility shall not use more than 800 gallons per day of coatings containing HAPs.

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14. Pursuant to §18.1004 of Regulation 18, and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, the permittee shall maintain daily records which demonstrate compliance with Specific Condition #13.
15. Pursuant to §18.1004 of Regulation 18 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, the permittee shall maintain records for every new coating which demonstrate compliance with the limits set in Specific Condition #10 and which may be used by the Department for enforcement purposes. Compliance shall be determined by inspecting the ACGIH TLV values as listed on current MSDS forms, or in the most recently published ACGIH handbook of Threshold Limit Values (TLVs) and Biological Exposure Indices (BEIs) and properly noting on the monthly VOC records (required by Specific Condition #9 whether the material in question is compliant with the table contained in Specific Condition #10). These records shall be maintained onsite and shall be provided to Department personnel upon request.



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#### SECTION V: INSIGNIFICANT ACTIVITIES

The following types of activities or emissions are deemed insignificant on the basis of size, emission rate, production rate, or activity in accordance with Group A of the Insignificant Activities list found in Regulation 18 and 19 Appendix A. Insignificant activity emission determinations rely upon the information submitted by the permittee in an application dated **March 15, 2002.**

Description	Category
Welding and cutting operations	A-7
Auto shot blasting	A-13
Sandblasting	A-13

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## **SECTION VI: GENERAL CONDITIONS**

1. Any terms or conditions included in this permit which specify and reference Arkansas Pollution Control & Ecology Commission Regulation 18 or the Arkansas Water and Air Pollution Control Act (A.C.A. §8-4-101 *et seq.*) as the sole origin of and authority for the terms or conditions are not required under the Clean Air Act or any of its applicable requirements, and are not federally enforceable under the Clean Air Act. Arkansas Pollution Control & Ecology Commission Regulation 18 was adopted pursuant to the Arkansas Water and Air Pollution Control Act (A.C.A. §8-4-101 *et seq.*). Any terms or conditions included in this permit which specify and reference Arkansas Pollution Control & Ecology Commission Regulation 18 or the Arkansas Water and Air Pollution Control Act (A.C.A. §8-4-101 *et seq.*) as the origin of and authority for the terms or conditions are enforceable under this Arkansas statute.
2. Pursuant to A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, this permit shall not relieve the owner or operator of the equipment and/or the facility from compliance with all applicable provisions of the Arkansas Water and Air Pollution Control Act and the regulations promulgated thereunder.
3. Pursuant to §19.704 of the Regulations of the Arkansas Plan of Implementation for Air Pollution Control (Regulation 19) and/or A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, the Department shall be notified in writing within thirty (30) days after construction has commenced, construction is complete, the equipment and/or facility is first placed in operation, and the equipment and/or facility first reaches the target production rate.
4. Pursuant to §19.410(B) of Regulation 19 and/or §18.309(B) of the Arkansas Air Pollution Control Code (Regulation 18) and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, construction or modification must commence within eighteen (18) months from the date of permit issuance.
5. Pursuant to §19.705 of Regulation 19 and/or §18.1004 of Regulation 18 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, records must be kept for five years which will enable the Department to determine compliance with the terms of this permit--such as hours of operation, throughput, upset conditions, and continuous monitoring data. The records may be used, at the discretion of the Department, to determine compliance with the conditions of the permit.

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6. Pursuant to §19.705 of Regulation 19 and/or §18.1004 of Regulation 18 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, any reports required by any condition contained in this permit shall be certified by a responsible official and submitted to the Department at the address below.

Arkansas Department of Environmental Quality  
Air Division  
ATTN: Compliance Inspector Supervisor  
Post Office Box 8913  
Little Rock, AR 72219

7. Pursuant to §19.702 of Regulation 19 and/or §18.1002 of Regulation 18 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, any equipment that is to be tested, unless stated in the Specific Conditions of this permit or by any federally regulated requirements, shall be tested with the following time frames: (1) Equipment to be constructed or modified shall be tested within sixty (60) days of achieving the maximum production rate, but in no event later than 180 days after initial start-up of the permitted source or (2) equipment already operating shall be tested according to the time frames set forth by the Department. The permittee shall notify the Department of the scheduled date of compliance testing at least fifteen (15) days in advance of such test. Compliance test results shall be submitted to the Department within thirty (30) days after the completed testing.
8. Pursuant to §19.702 of Regulation 19 and/or §18.1002 of Regulation 18 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, the permittee shall provide:
  - a. Sampling ports adequate for applicable test methods
  - b. Safe sampling platforms
  - c. Safe access to sampling platforms
  - d. Utilities for sampling and testing equipment
9. Pursuant to §19.303 of Regulation 19 and/or §18.1104 of Regulation 18 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, the equipment, control apparatus and emission monitoring equipment shall be operated within their design limitations and maintained in good condition at all times.

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10. Pursuant to §19.601 of Regulation 19 and/or §18.1101 of Regulation 18 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, if the permittee exceeds an emission limit established by this permit, they shall be deemed in violation of said permit and shall be subject to enforcement action. The Department may forego enforcement action for emissions exceeding any limits established by this permit provided the following requirements are met:
  - a. The permittee demonstrates to the satisfaction of the Department that the emissions resulted from an equipment malfunction or upset and are not the result of negligence or improper maintenance, and that all reasonable measures have been taken to immediately minimize or eliminate the excess emissions.
  - b. The permittee reports the occurrence or upset or breakdown of equipment (by telephone, facsimile, or overnight delivery) to the Department by the end of the next business day after the occurrence or the discovery of the occurrence.
  - c. The permittee shall submit to the Department, within five business days after the occurrence or the discovery of the occurrence, a full, written report of such occurrence, including a statement of all known causes and of the scheduling and nature of the actions to be taken to minimize or eliminate future occurrences, including, but not limited to, action to reduce the frequency of occurrence of such conditions, to minimize the amount by which said limits are exceeded, and to reduce the length of time for which said limits are exceeded. If the information is included in the initial report, it need not be submitted again.
11. Pursuant to A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, the permittee shall allow representatives of the Department upon the presentation of credentials:
  - a. To enter upon the permittee's premises, or other premises under the control of the permittee, where an air pollutant source is located or in which any records are required to be kept under the terms and conditions of this permit
  - b. To have access to and copy any records required to be kept under the terms and conditions of this permit, or the Act
  - c. To inspect any monitoring equipment or monitoring method required in this permit
  - d. To sample any emission of pollutants
  - e. To perform an operation and maintenance inspection of the permitted source

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12. Pursuant to A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, this permit is issued in reliance upon the statements and presentations made in the permit application. The Department has no responsibility for the adequacy or proper functioning of the equipment or control apparatus.
13. Pursuant to §19.410(A) of Regulation 19 and/or §18.309(A) of Regulation 18 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, this permit shall be subject to revocation or modification when, in the judgment of the Department, such revocation or modification shall become necessary to comply with the applicable provisions of the Arkansas Water and Air Pollution Control Act and the regulations promulgated thereunder.
14. Pursuant to §19.407(B) of Regulation 19 and/or §18.307(B) of Regulation 18 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, this permit may be transferred. An applicant for a transfer shall submit a written request for transfer of the permit on a form provided by the Department and submit the disclosure statement required by Arkansas Code Annotated §8-1-106 at least thirty (30) days in advance of the proposed transfer date. The permit will be automatically transferred to the new permittee unless the Department denies the request to transfer within thirty (30) days of the receipt of the disclosure statement. A transfer may be denied on the basis of the information revealed in the disclosure statement or other investigation or, if there is deliberate falsification or omission of relevant information.
15. Pursuant to A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, this permit shall be available for inspection on the premises where the control apparatus is located.
16. Pursuant to A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, this permit authorizes only those pollutant emitting activities addressed herein.
17. Pursuant to Regulation 18 and 19 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, this permit supersedes and voids all previously issued air permits for this facility.

Request for PDS Invoice	
Invoice Number <i>(assigned when invoice printed)</i>	PDS-

AFIN r	60-01801			
Name <i>(for confirmation only)</i>	Lexicon, Inc.			
Invoice Type (pick one) r	Initial X	Mod	Variance	
	Annual	Renewal	Interim Authority	
Permit Number r	2022-A			
Media Code r	A			
Fee Code or Pmt Typer	MS			
Fee Description <i>(for confirmation only)</i>	Minor Source			
Amount Due r <i>(whole dollar amount only)</i>	\$1,836			
Printed Comment <i>(600 characters maximum)</i>	Based on an emission of 95 tons per year of VOCs			

<i>Note: The information below is for use by the requesting division if desired; it will not print on the invoice.</i>	
Engineer	Phillip Murphy
Paid? (yes/no)	
Check number	
Comments	Based on an emission of 95 tons per year of VOCs

**r Required data**

*(See "g:\Misc\PDS\_FeeCodes.wpd" for descriptions and discussions of fee codes)*

Request submitted by:		Date:	
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## Public Notice

Pursuant to A.C.A. §8-4-203, and the regulations promulgated thereunder, the Air Division of the Arkansas Department of Environmental Quality gives the following notice:

Lexicon, Inc. (CSN: 60-1801) operates a steel fabrication shop at 8900 Fourche Dam Pike, Little Rock, AR, 72206. The facility applied for a minor source permit for emissions from painting the steel after completion of fabrication. The annual emissions in tons per year from the facility are 95 volatile organic compounds (VOC), 23.8 total hazardous air pollutants (HAP) and 9.5 any individual HAP.

The application has been reviewed by the staff of the Department and has received the Department's tentative approval subject to the terms of this notice.

Citizens wishing to examine the permit application and staff findings and recommendations may do so by contacting Doug Szenher, Public Affairs Supervisor. Citizens desiring technical information concerning the application or permit should contact Phillip Murphy, Engineer. Both Doug Szenher and Phillip Murphy can be reached at the Department's central office, 8001 National Drive, Little Rock, Arkansas 72209, telephone: (501) 682-0744.

The draft permit and permit application are available for copying at the above address. A copy of the draft permit has also been placed at the Little Rock Public Library, 100 South Rock, Little Rock, 72201. This information may be reviewed during normal business hours.

Interested or affected persons may also submit written comments or request a hearing on the proposal, or the proposed modification, to the Department at the above address - Attention: Doug Szenher. In order to be considered, the comments must be submitted within thirty (30) days of publication of this notice. Although the Department is not proposing to conduct a public hearing, one will be scheduled if significant comments on the permit provisions are received. If a hearing is scheduled, adequate public notice will be given in the newspaper of largest circulation in the county in which the facility in question is, or will be, located.

The Director shall make a final decision to issue or deny this application or to impose special conditions in accordance with Section 2.1 of the Arkansas Pollution Control and Ecology Commission's Administrative Procedures (Regulation #8).

Dated this

Marcus C. Devine  
Director