

## STATEMENT OF BASIS

For the issuance of Draft Air Permit # 2388-AOP-R1 AFIN: 45-00251

1. PERMITTING AUTHORITY:

Division of Environmental Quality  
5301 Northshore Drive  
North Little Rock, Arkansas 72118-5317

2. APPLICANT:

Advanced Marine Performance, LLC  
727 West Industrial Park Road  
Flippin, Arkansas 72634

3. PERMIT WRITER:

Shawn Hutchings

4. NAICS DESCRIPTION AND CODE:

NAICS Description: Boat Building  
NAICS Code: 336612

5. ALL SUBMITTALS:

The following is a list of ALL permit applications included in this permit revision.

Date of Application	Type of Application (New, Renewal, Modification, Deminimis/Minor Mod, or Administrative Amendment)	Short Description of Any Changes That Would Be Considered New or Modified Emissions
9/17/2024	Minor Modification	New Chop Gun

6. REVIEWER'S NOTES:

Advanced Marine Performance, LLC (Advanced), owns and operates a recreational metal boat manufacturing facility located at 727 West Industrial Park Road, Flippin, Arkansas. This permit is a minor modification to add a Chopper Gun, SN-12. Annual emission rates are not changing.

7. COMPLIANCE STATUS:

The following summarizes the current compliance of the facility including active/pending enforcement actions and recent compliance activities and issues.

There are no known enforcement issues with the facility.

8. PSD/GHG APPLICABILITY:

a) Did the facility undergo PSD review in this permit (i.e., BACT, Modeling, etc.)? N  
If yes, were GHG emission increases significant? N

b) Is the facility categorized as a major source for PSD? N

- *Single pollutant  $\geq 100$  tpy and on the list of 28 or single pollutant  $\geq 250$  tpy and not on list*

If yes for 8(b), explain why this permit modification is not PSD.

9. SOURCE AND POLLUTANT SPECIFIC REGULATORY APPLICABILITY:

Source	Pollutant	Regulation (NSPS, NESHAP or PSD)
Trailer Manufacturing	HAPs	Subpart MMMM
Boat Manufacturing	HAPs	Subpart VVVV

10. UNCONSTRUCTED SOURCES:

Unconstructed Source	Permit Approval Date	Extension Requested Date	Extension Approval Date	If Greater than 18 Months without Approval, List Reason for Continued Inclusion in Permit
None				

11. PERMIT SHIELD – TITLE V PERMITS ONLY:

Did the facility request a permit shield in this application? N

(Note - permit shields are not allowed to be added, but existing ones can remain, for minor modification applications or any Rule 18 requirement.)

If yes, are applicable requirements included and specifically identified in the permit? N

If not, explain why.

12. COMPLIANCE ASSURANCE MONITORING (CAM) – TITLE V PERMITS ONLY:

List sources potentially subject to CAM because they use a control device to achieve compliance and have pre-control emissions of at least 100 percent of the major source level. List the pollutant of concern and a brief summary of the CAM plan (temperature monitoring, CEMs, opacity monitoring, etc.) and frequency requirements of § 64.

Source	Pollutant Controlled	Cite Exemption or CAM Plan Monitoring and Frequency
No controls		

## 13. EMISSION CHANGES AND FEE CALCULATION:

See emission change and fee calculation spreadsheet in Appendix A.

## 14. AMBIENT AIR EVALUATIONS:

The following are results for ambient air evaluations or modeling.

## a) NAAQS

A NAAQS evaluation is not required under the Arkansas State Implementation Plan, National Ambient Air Quality Standards, Infrastructure SIPs and NAAQS SIP per Ark. Code Ann. § 8-4-318, dated March 2017 and the DEQ Air Permit Screening Modeling Instructions.

## b) Non-Criteria Pollutants:

The non-criteria pollutants listed below were evaluated. Based on Division of Environmental Quality procedures for review of non-criteria pollutants, emissions of all other non-criteria pollutants are below thresholds of concern.

1<sup>st</sup> Tier Screening (PAER)

Estimated hourly emissions from the following sources were compared to the Presumptively Acceptable Emission Rate (PAER) for each compound. The Division of Environmental Quality has deemed the PAER to be the product, in lb/hr, of 0.11 and the Threshold Limit Value (mg/m<sup>3</sup>), as listed by the American Conference of Governmental Industrial Hygienists (ACGIH).

Only Styrene was evaluated in this modification. All other pollutants evaluations are carried over from the previous permit.

Pollutant	TLV (mg/m <sup>3</sup> )	PAER (lb/hr) = 0.11 × TLV	Proposed lb/hr	Pass?
Styrene	42.5	4.6	45.62	No
Cobalt	0.02	0.0022	18.6	No
Acetone	1,781	196	33.4	Yes
MDI	0.051	0.00561	0.001	Yes

2<sup>nd</sup> Tier Screening (PAIL)

AERMOD air dispersion modeling was performed on the estimated hourly emissions from the following sources, in order to predict ambient concentrations beyond the property boundary. The Presumptively Acceptable Impact Level (PAIL) for each compound has been deemed by the Division of Environmental Quality to be one one-hundredth of the Threshold Limit Value as listed by the ACGIH.

Pollutant	PAIL ( $\mu\text{g}/\text{m}^3$ ) = 1/100 of Threshold Limit Value	Modeled Concentration ( $\mu\text{g}/\text{m}^3$ )	Pass?
Styrene	425.9	327	Y
Cobalt	0.2	0.151	Y

H<sub>2</sub>S Modeling: N/A.

## 15. CALCULATIONS:

SN	Emission Factor Source (AP-42, testing, etc.)	Emission Factor (lb/ton, lb/hr, etc.)	Control Equipment	Control Equipment Efficiency	Comments
01-12	Usage Limits and equipment capacity	None	None	N/A	

## 16. TESTING REQUIREMENTS:

The permit requires testing of the following sources.

SN	Pollutants	Test Method	Test Interval	Justification
None				

## 17. MONITORING OR CEMS:

The permittee must monitor the following parameters with CEMS or other monitoring equipment (temperature, pressure differential, etc.)

SN	Parameter or Pollutant to be Monitored	Method (CEM, Pressure Gauge, etc.)	Frequency	Report (Y/N)
None				

## 18. RECORDKEEPING REQUIREMENTS:

The following are items (such as throughput, fuel usage, VOC content, etc.) that must be tracked and recorded.

SN	Recorded Item	Permit Limit	Frequency	Report (Y/N)
01-12	VOC Emissions	95 tpy	Monthly	Y
01-12	Boats per day	Aluminum Boats 5 per day Fiberglass Boats 5 per day Trailers 10 per day	Monthly/Daily	Y
01-12	HAP annual emissions	25 tpy styrene 0.01 cobalt 25 others	Monthly	Y
01-12	Acetone	50 tpy	Monthly	Y
01-12	HAPs TLV less than 1	PAER lb/hr rate	Daily usage record. Monthly calculations	Y
01-12	MMMM Records	See Permit	Monthly	Y
01-12	VVVV Records	See Permit	Monthly	Y

## 19. OPACITY:

SN	Opacity	Justification for limit	Compliance Mechanism
01-11	5%	Department Guidance	Weekly Opacity readings

## 20. DELETED CONDITIONS:

Former SC	Justification for removal
None	

## 21. GROUP A INSIGNIFICANT ACTIVITIES:

The following is a list of Insignificant Activities including revisions by this permit.

Source Name	Group A Category	Emissions (tpy)						
		PM/PM <sub>10</sub>	SO <sub>2</sub>	VOC	CO	NO <sub>x</sub>	HAPs	
							Single	Total
Booth Air Makeup Units (8 each) (20.4 MMBtu/hr combined)	A-1	0.8	0.1	0.5	7.4	8.8	0.1	0.1
Fabrication Dust Rooms (4 ea)	A-13	0.9						
Trailer Shot Blast Filtration System	A-13	0.7						
Plasma Arc Cutting Baghouse	A-13	0.0049						
Plantwide Welding Operations	A-13	0.59						

## 22. VOIDED, SUPERSEDED, OR SUBSUMED PERMITS:

The following is a list of all active permits voided/superseded/subsumed by the issuance of this permit.

Permit #
2388-AOP-R0

## APPENDIX A – EMISSION CHANGES AND FEE CALCULATION

## Fee Calculation for Major Source

Revised 03-11-16

Advanced Marine Performance, LLC

Permit #: 2388-AOP-R1

AFIN: 45-00251

\$/ton factor	28.14	Annual Chargeable Emissions (tpy)	147.6
Permit Type	Modification	Permit Fee \$	1000

Minor Modification Fee \$ 500

Minimum Modification Fee \$ 1000

Renewal with Minor Modification \$ 500

Check if Facility Holds an Active Minor Source or Minor Source General Permit ☐

If Hold Active Permit, Amt of Last Annual Air Permit Invoice \$ 0

Total Permit Fee Chargeable Emissions (tpy) 0

Initial Title V Permit Fee Chargeable Emissions (tpy)

*HAPs not included in VOC or PM:*

*Chlorine, Hydrazine, HCl, HF, Methyl Chloroform, Methylene Chloride, Phosphine, Tetrachloroethylene, Titanium Tetrachloride*

*Air Contaminants:*

*All air contaminants are chargeable unless they are included in other totals (e.g., H2SO4 in condensible PM, H2S in TRS, etc.)*

Pollutant (tpy)	Check if Chargeable Emission	Old Permit	New Permit	Change in Emissions	Permit Fee Chargeable Emissions	Annual Chargeable Emissions
PM		0.1	0.1	0		
PM <sub>10</sub>		0.1	0.1	0	0	0.1
PM <sub>2.5</sub>		0	0	0		
SO <sub>2</sub>		0	0	0	0	0
VOC		97.5	97.5	0	0	97.5
CO		0	0	0		
NO <sub>x</sub>		0	0	0	0	0
Styrene	<input type="checkbox"/>	25	25	0		



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