#### STATEMENT OF BASIS

For the issuance of Draft Air Permit # 0617-AOP-R23 AFIN: 07-00035

#### 1. PERMITTING AUTHORITY:

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

#### 2. APPLICANT:

Aerojet Rocketdyne, Inc. East Walton Road, (Highway 274), Highland Industrial Park East Camden, Arkansas 71701

#### 3. PERMIT WRITER:

Shawn Hutchings

#### 4. NAICS DESCRIPTION AND CODE:

NAICS Description: Ammunition (except Small Arms) Manufacturing

NAICS Code: 332993

#### 5. ALL SUBMITTALS:

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

Date of Application	Type of Application	Short Description of Any Changes
	(New, Renewal, Modification,	That Would Be Considered New or
	Deminimis/Minor Mod, or	Modified Emissions
	Administrative Amendment)	
8/5/2025	Minor Modification	New LSRM Facility

#### 6. REVIEWER'S NOTES:

Aerojet Rocketdyne, Inc. currently operates a manufacturing facility located in the Highland Industrial Park near East Camden, Arkansas. This permit is a minor modification to add a new LSRM Project and associated sources. The new sources are SN-44AM, 44AN, 44AO, 44AP, 44AQ, 44AR, 44AS, 44AT, 44AU, 44AV, 44AW, 44AX, 73H, 73I, 162A, 162B, 162C, 162D, 162E, 163, 164A, 164B, 165A, 165B, 165C, 166, 167, 168, 169, 170, and 171. Permitted emissions increased 1.2 tpy of Particulate, 0.7 tpy of SO<sub>2</sub>, 3.2 tpy of VOC, 42.4 tpy of CO, 27 tpy of NO<sub>x</sub>. 1.2 tpy of HAPs and 0.2 tpy of Acetone.

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## 7. COMPLIANCE STATUS:

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

## 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)
SN-86, SN-87, SN-89, SN-95, SN-102, SN-103, SN-105, SN-120, SN-123, SN-138, SN-139, SN-151A and B, SN-152, SN-153, SN-157, 168, 169, 170, and 171	VOC CO NO <sub>x</sub>	NSPS JJJJ
SN-86, SN-87, SN-89, SN-95, SN-102, SN-103, SN-105, SN-120, SN-123, SN-138, SN-139, SN-151A and B, SN-152, SN-153, SN-157, 168, 169, 170, 171 SN-121, SN-130, SN-144, SN-160 SN-81, 81A, 81B, 149A, 149B, 149C, and 149D	HAPs	MACT ZZZZ
Plantwide	VOC/HAP	NESHAP Part 63 Subpart GG
SN- 02C, 02F, 02G, 25E, 25F, 84B, 84C, 94, 96, 97, 112, 113, 115, 116, 117, 119, 122, 154, 155, 156, 161A, 161B, 161C, 161D, 165A, 165B, 165C	HAPs	MACT DDDDD
SN-121, SN-130, SN-144, SN-160, SN-81, 81A, 81B, 149A, 149B, 149C, and 149D	Criteria	NSPS IIII

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#### 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
R-22 new sources	9/12/25			

#### 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 8 CAR pt. 40 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
67, 73, 104, 118, 124, 125, 126, 128	Particulate	Pre-control below major source thresholds.

#### 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.

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## 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/m³), as listed by the American Conference of Governmental Industrial Hygienists (ACGIH).

Pollutant	TLV (mg/m³)	$PAER (lb/hr) = 0.11 \times TLV$	Proposed lb/hr	Pass?
1,1,1- Trichloroethane	1,909.90	2.10E+02	3.31E+02	N
Acetone	1,781.60	1.96E+02	2.25E+02	N
Acrolein	0.20	2.20E-02	1.44E-01	N
Arsenic	0.01	1.10E-03	2.13E-05	Y
Beryllium	0.0001	5.50E-06	1.28E-06	Y
Cadmium	0.01	1.10E-03	1.88E+00	N
Chlorine	0.29	3.19E-02	2.98E+02	N
Chromium	0.01	1.10E-03	1.99E+01	N
Cobalt	0.02	2.20E-03	4.42E-01	N
Ethyl Benzene	86.84	9.55E+00	9.25E+01	N
Hydrogen Chloride	2.98	3.28E-01	2.14E+04	N

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Pollutant	TLV (mg/m³)	PAER (lb/hr) = 0.11 × TLV	Proposed lb/hr	Pass?
Hydrogen Fluoride	0.41	4.50E-02	6.71E+01	N
Lead	0.05	5.50E-03	2.53E+02	N
Manganese	0.01	1.10E-02	4.05E-05	Y
Mercury	0.03	2.75E-03	2.77E-05	Y
Methanol	262	2.88E+01	1.50E+02	N
Methylene Chloride	173.68	1.91E+01	1.89E+02	N
Methylenediphenyl 4,4'-Diisocyanate (MDI)	0.05	5.63E-03	5.87E-02	N
MIBK	81.93	9.01E+00	2.96E+02	N
1-Bromo Propane	0.5	5.53E-02	7.26E+00	N
Selenium	0.20	2.20E-02	2.56E-06	Y
Toluene	75.34	8.29E+00	3.54E+02	N
Toluene-2,4- diisocyanate (2,4- TDI)	0.01	7.84E-04	1.38E-02	N
Xylene	434.2	4.78E+01	3.51E+02	N

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

Pollutant	$PAIL (\mu g/m^3) = 1/100 \text{ of}$ $Threshold Limit$ $Value$	Modeled Concentration (µg/m³)	Pass?
1,1,1-Trichloroethane	19,099.0	1.40E+03	Y
Acetone	17,816.0	4.01E+02	Y
Acrolein	2.0	5.88E-03	Y

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Pollutant	PAIL (µg/m³) = 1/100 of Threshold Limit Value	Modeled Concentration (μg/m³)	Pass?
Cadmium	0.1	2.30E-04	Y
Chlorine	2.9	*	
Chromium	0.1	1.70E-01	N
Cobalt	0.2	2.00E-05	Y
Ethyl Benzene	868.4	2.53E+02	Y
Hydrogen Chloride	29.8	*	Y
Hydrogen Fluoride	4.1	*	Y
Lead	0.5	1.10E-04	Y
Methanol	2620	2.62E+02	Y
Methylene Chloride	1736.8	9.11E+02	Y
Methylenediphenyl 4,4'-Diisocyanate (MDI)	0.5	9.30E-02	Y
MIBK	819.3	6.77E+02	Y
1-Bromopropane	5	2.06E+01	N
Toluene	753.4	6.15E+02	Y
Toluene-2,4-diisocyanate (2,4-TDI)	0.1	2.19E-02	Y
Xylene	4342	8.85E+02	Y

<sup>•</sup> These pollutants were evaluated in a Risk Assessment performed for the E&E Hazardous Waste Branch

Pollutant	Alternative Standard	Modeled Concentration (μg/m³)	Pass?
Chromium	5 μg/m³ OSHA 8-hr TWA	0.17	Y
1-Bromopropane	1.7 μg/m³ OSHA Chronic REL	1.07	Y

## c) H<sub>2</sub>S Modeling:

A.C.A. §8-3-103 requires hydrogen sulfide emissions to meet specific ambient standards. Many sources are exempt from this regulation, refer to the Arkansas Code for details.

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Is the facility exempt from the H<sub>2</sub>S Standards Y
If exempt, explain: The facility is not permitted to emit H<sub>2</sub>S

## 15. CALCULATIONS:

	Emission Factor	Emission		G 1	
CNI	Source	Factor	Control	Control	Comments
SN	(AP-42, testing,	(lb/ton,	Equipment	Equipment	Comments
	etc.)	lb/hr, etc.)		Efficiency	
Natural Gas Fired	AP-42 Natural	Varied	None	None	
sources	gas	varied	Tione	TVOILE	
	AP-42				
Engines	Combustion	Varied	None	None	
D 111 10	engines				
Bubbled Sources,	Harry Dates				
Lacquer, foam	Usage Rates Mass Balance	Varied	None	None	
blowing	Mass Balance				
02: 77	EQTCH				
03A-H	Products of	**	3.7	3.7	
04 30	Combustion	Varied	None	None	
	model				
	BAAQMD	Varied per			
Blast Machines	emission factors	Varied per material	Cyclone and	90 and	
Diast Macilliles	for abrasive	used	Baghouses	99%	
	blasting	uscu			
Tanks	EPA Tanks	Equations	None	none	
Tunne	Program		110110	110110	
13 19	AP-42 Table	0.08			
	4.6-2	Lb/hr/ft2			
56	Mass Balance		C 1	050/	
63	Mass Balance		Condenser	95%	
64 84 98 99 141,					
142, 143a, b, c SN-					
146A through J,					
SN-148A, 148B,					
148C	Mass Balance		None	N/A	
150A, 150B, 150C, 150D, 150E, 150F	Iviass Daiance		None	1 <b>V</b> /A	
158 159, 162A,					
162B, 162C, 162D,					
162E, 163, 164A,					
164B					
1040					

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SN	Emission Factor Source (AP-42, testing, etc.)	Emission Factor (lb/ton, lb/hr, etc.)	Control Equipment	Control Equipment Efficiency	Comments
73 104 118, 124, 166, 167	Mass Balance	5% material loss	Baghouse	99	

# 16. TESTING REQUIREMENTS:

The permit requires testing of the following sources.

SN	Pollutants	Test Method	Test Interval	Justification
	This permit of	contains no testing r	requirements.	

## 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)
24, 125, 126	differential pressure and/or air velocity	Pressure gauge, or velocity meter	Weekly	Y

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# 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)
SN- 02C, 02F, 02G, 25E, 25F, 84B, 84C, 94, 96, 97, 112, 113, 115, 116, 117, 119, 122, 154, 155, 156, 161A, 161B, 161C, 161D, 165A, 165B, 165C	DDDDD Records	None	As needed	Y
03	Materials Tested	Table in Specific Condition 12	Monthly	Y
11	Lacquer premix used	20,000 pounds	Monthly	Y
4	Materials Processed hourly. Emissions monthly	Conditions 16, 17, and 18	Daily, Monthly	Y
30	Energetic materials used	300 pounds per hour 24,000 pounds per 12 months	Monthly	Y
47	Resin usage	40,000 lbs/12 mo	Monthly	Y
48A, 48B, and 49	Phenolic Resin	500,000 lbs/12 mo	Monthly	Y
63	Stabilizing Solvent	20,000lb/12 months	Monthly	Y
81, 81A, 81B	Hours	8760 per 12- month combined	Monthly	Y
84	Asphalt and wax coatings	15,000 pounds each	Monthly	Y
Emergency Engines	Operation hours and maintenance	Hours based on calculations see permit	Monthly	Y
SN-07, 12, 13, 19, 20A & B, 22, 24, 28, 36, 37B,	Solvent usage	See Plantwide Condition 14	Monthly	Y

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SN	Recorded Item	Permit Limit	Frequency	Report (Y/N)
38A & B, 39A &				•
B, 40A & B,				
41A & B, 42, 43,				
44A - AL, 52A				
& B, 74, 75, 76A				
& B, 77A & B,				
78A & B, 85, 98,				
99, 101A & B,				
107, 108, 109,				
110, 111, 125,				
126, 127, 128,				
129, 140, 141,				
145, 147, and				
158				
SN-12, 24, 43,				
44A - AL, 101A	Surface Coating	(2,000 1	M 41.1	37
& B, 125, 126,	Materials	63,000 pounds	Monthly	Y
and 145				
sources SN-12,				
24, 43, 44A -	VOC - 111AD	See table		
AL, 101A & B,	VOC and HAP	Plantwide	Monthly	Y
125, 126, and	contents	Condition 19		
145				
SN-44A – AL,				
SN-100A, SN-	Miscellaneous	25 500	M 41, 1	V
100B and SN-	Materials	35,500 pounds	Monthly	Y
128				
SN-44A – AL,		C 4-1.1 -		
SN-100A, SN-	VOC and HAP	See table Plantwide	Mandaler	V
100B and SN-	content		Monthly	Y
128		Condition 23		
SN-39A & B,				
40A & B, 41A &				
B, 44A – AL,				
76A & B, 77A &	Hanas	41,400 lbs per	Manth1	v
B, 78A & B, 98,	Usage	12 mo	Monthly	Y
99, 101A & B,				
108, 109, 111,				
and 140				
SN-39A & B,				
40A & B, 41A &				
B, 44A – AL,	Content	Plantwide 25	Monthly	Y
76A & B, 77A &			,	
B, 78A & B, 98,				

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SN	Recorded Item	Permit Limit	Frequency	Report (Y/N)
99, 101A & B, 108, 109, 111, and 14				
SN-48 and 49	Phenolic Molding compounds	500,000 per year	Monthly	Y
SN-67C through AA	Blasting Media	300,000 per 12 months	Monthly	Y
All	HAP substitution records	Comply with Plantwide Condition 22	Annual	N
71	Gasoline throughput	200,000 gallons per 12 months	Monthly	Y
SN-86, SN-87, SN-89, SN-95, SN-102, SN-103, SN-105, SN-120, SN-123, SN-138, SN-139, SN- 151A and B, SN- 152, SN-153, SN-157 SN-121, SN-130, SN-144, SN-160 SN-81, 81A, 81B, 149A, 149B, 149C, and 149D, 168, 169, 170, and 171	IIII JJJJ and ZZZZ records	None	As needed	Y
84	Throughput	15,000 pounds asphalt coating	Monthly	Y
SN-86, SN-87, SN-89, SN-95, SN-102, SN-103, SN-105, SN-120, SN-123, SN-138, SN-139, SN- 151A and B, SN- 152, SN-153, SN-157 SN-121, SN-130, SN-144, SN-160 SN-81, 81A, 81B, 149A, 149B, 149C, and	Hours of Operation	500 per 12 mo.	Monthly	Y

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SN	Recorded Item	Permit Limit	Frequency	Report (Y/N)
149D, 168, 169,				
170, and 171				
Plantwide	GG Records	None	As Needed	Y
143A				
143B				
143C				
148A				
148B				
148C	VOC and HAP	Permit limits	Monthly	Y
150A	emissions	remin minus	Monuny	I
150B				
150C				
150D				
150E				
159				
LRSM				
Manufacturing		Multiple Tebles		
SN-162A, 162B,	VOC and HAP	Multiple Tables. See Specific		
162C, 162D,	emissions and	Conditions 186-	Monthly	Y
162E, 163,	content	197		
164A, and 164B		191		

# 19. OPACITY:

SN	Opacity	Justification for limit	Compliance Mechanism
SN-02C, 02F, 02G, 25A, 25C, 25E, 25F, 69E, 69F, 69G, 69H, 84, 84B, 84C, 94, 96, 97, 101A, 101B, 112, 113, 115, 116, 117, 119, 122, 131, 132, 133, 134, 135, 136, 137, 154, 155, 156, 161A, 161B, 161C, 161D	5%	Department Guidance	Natural Gas Combustion only.
SN-40A, 40B	5%	Department Guidance	Weekly Observations
56	5%	Department Guidance	
67C through AA	5%	Department Guidance	Weekly Observations
73, 73B, 73C, 73D, 73E, 73F, 73G	5%	Department Guidance	Established standard operating procedures

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SN	Opacity	Justification for limit	Compliance Mechanism
			for processing energetic materials.
81, 81A, 81B, 149A. 149B, 149C, 149D	20%	Department Guidance	Daily Observations
SN-86 SN-87 SN-89, SN-90 SN-95, SN-102 SN-103, SN-105 SN-120, SN-123 SN-138, SN-139 SN-151A, SN-151B SN-152, SN-153 SN-157	5%	Department Guidance	Natural Gas Combustion only.
SN-91 SN-92 SN-93 SN-106 SN-121 SN- 130 SN-144 SN-160	20%	Department Guidance	
SN-24 SN-43 SN- 125 SN-126	5%	Department Guidance	Weekly control device monitoring
81, 81A, 81B	20%	Department Guidance	Daily Observation
118, 124, 12, 44A- 44AL, 100A, 100B, 56, 145, 104, 118, 124	5%	Department Guidance	Plantwide Condition 5

## 20. DELETED CONDITIONS:

Former SC	Justification for removal
	No conditions were removed.

# 21. GROUP A INSIGNIFICANT ACTIVITIES:

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

	Cassa V	Emissions (tpy)						
Source Name	Group A Category	PM/PM <sub>10</sub>	$SO_2$	VOC	СО	$NO_x$	HA	Ps
	Category	P 1V1/ P 1V110	$SO_2$	VOC	CO	$NO_X$	Single	Total
DOA Storage Tank (3,500 gallons)	Group A, Number 3			0.01				
Diesel Fuel Tank #1, 550 gal,	Group A,			0.01				

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Building 41, for SN-81	Number 3							
Diesel Fuel Tank #2, 550 gal, Building 41, for SN-81	Group A, Number 3			0.01				
Diesel Fuel Tank, 500 gal, Building 66, for SN-91	Group A, Number 3			0.01				
Diesel Fuel Tank, 200 gal, Building M-2, for SN-92	Group A, Number 3			0.01				
Diesel Fuel Tank, 520 gal, Building M-14, for SN-106	Group A, Number 3			0.01				
Diesel Fuel Tank, 460 gal, Building 105, for SN-121	Group A, Number 3			0.01				
Diesel Fuel Tank, 2,400 gal, Building 301, for SN-141	Group A, Number			0.01				
Total	Group A, Number 3			0.08				
Water Heater #4 (Building 301) 1.05 MMBTU	Group A, Number	0.04	0.01	0.03	0.38	0.46	0.01	
Water Heater #2 (Building M-11) 1.314 MMBTU	Group A, Number 1	0.05	0.01	0.04	0.48	0.57	0.02	
Laboratory at Building 17	Group A, Number 5			0.79				0.79
Laboratory at Building 109	Group A,			0.79				0.79

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	Number					
	5					
Total	Group A, Number 5		1.59			1.59
MLRS Igniter Assembly at Building M-85	Group A, Number 13		0.09			0.06
Ingredient Preparation Room	Group A, Number 13	0.03				
Metalworking Lathes at Building 2-SH-3	Group A, Number 13	0.28				
Polymer Tank Farm	Group A, Number 13		0.04			
Parts Fabrication in Trailer at Building 2-SH-4	Group A, Number 13	0.27				
Dry Ice Blasting	Group A, Number 13	CO <sub>2</sub> only				
Vibratory Ceramic Pill Parts Cleaner at Building M-82	Group A, Number 13	0.01				
Winding and Curing Operation A at Building M-8	Group A, Number 13		0.07		0.01	0.01
Winding and Curing Operation B at Building M-8	Group A, Number 13		0.07		0.01	0.01
Winding and Curing	Group A,		0.07		0.01	0.01

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Operation C at	Number							
Building M-8	13							
Winding and	Group							
Curing	A,			0.07			0.01	0.01
Operation D at	Number						0.01	0.01
Building M-8	13							
Composite Case	Group							
Grinder A at	A,	0.05						
Building M-8	Number							
	13							
Composite Case	Group							
Grinder B at	A,	0.05						
Building M-8	Number 13							
	Group							
Composite Case	A,							
Grinder C at	Number	0.05						
Building M-8	13							
	Group							
Composite Case	A,							
Grinder D at	Number	0.05						
Building M-8	13							
Saw, Drill, &	Group							
Chamfer	A,	0.21						
Machine A at	Number	0.21						
Building M-8	13							
Saw, Drill, &	Group							
Chamfer	A,	0.21						
Machine B at	Number	0.21						
Building M-8	13							
Saw, Drill, &	Group							
Chamfer	A,	0.21						
Machine C at	Number							
Building M-8	13							
Winding and	Group							
Curing Operation at	A, Number			0.07			0.01	0.01
Operation at	Number 13							
Building M-85 Nine (9) Cooling	13							
Towers at	Group							
Buildings 2-SH-	A,							
14, 2-SH-3, 23,	Number	0.44						
24, 25, 51, 113,	13							
114, and 115								
111, 4114 113	<u>I</u>	1	I	1	<u>I</u>	I	l	<u> </u>

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Nine (9) Ultrasonic Cleaners at Buildings 29, M- 85 (2), M-8 (4), M-2, & D-29 (One of the cleaners at building M-8 was formerly SN-13)	Group A, Number 13		2.77		0.14	0.14
Total	Group A, Number 13	1.81	3.38		0.25	0.25

# 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 #	
0617-AOP-R22	



Aerojet Rocketdyne, Inc. Permit #: 0617-AOP-R23

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\$/ton factor	28.14	Annual Chargeable Emissions (tpy)	973.96
Permit Type	Minor Mod	Permit Fee \$	500
M. M. P. C. C. F. C.	500		
Minor Modification Fee \$	500		
Minimum Modification Fee \$	1000		
Renewal with Minor Modification \$	500		
Check if Facility Holds an Active Minor Source or Mino			
Source General Permit			
If Hold Active Permit, Amt of Last Annual Air Permit Invoice \$	0		
Total Permit Fee Chargeable Emissions (tpy)	32.6		
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		239.3	240.5	1.2	1.2	240.5
$PM_{10}$		239.3	240.4	1.1		
PM <sub>2.5</sub>		0	0	0		
SO <sub>2</sub>		13.2	13.9	0.7	0.7	13.9
VOC		240.8	244	3.2	3.2	244
СО		159.1	201.5	42.4		
$NO_X$		129.2	156.2	27	27	156.2
Lead		4.45036	4.45043	7E-05		

Pollutant (tpy)	Check if Chargeable Emission	Old Permit	New Permit	Change in Emissions	Permit Fee Chargeable Emissions	Annual Chargeable Emissions
Chlorine	~	11.3	11.3	0	0	11.3
1-Bromopropane		39.5	39.5	0		
Ethyl Benzene		11.09	11.69	0.6		
Hydrogen Chloride	<b>&gt;</b>	187.8	187.8	0	0	187.8
Hydrogen Fluoride	~	1.1	1.1	0	0	1.1
Methanol		19.98	20.38	0.4		
Methylene Chloride	~	30.52	30.92	0.4	0.4	30.92
Methyl Isobutyl Ketone		40.56	40.76	0.2		
Toluene		49.6	50.6	1		
1,1,1-Trichloroethane	~	44.66	44.66	0	-7.11E-15	44.66
Xylene		43.6	44.2	0.6		
Total HAPs		471.13	472.33	1.2		
Acetone	~	34.9	35	0.1	0.1	35
Ammonia	<b>✓</b>	6.08	6.08	0	-8.88E-16	6.08
HFC-245fa	~	2.5	2.5	0	0	2.5
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