SC DEPARTMENT of ENVIRONMENTAL SERVICES

Bureau of Air Quality
Title V Operating Permit

Lockheed Martin Aeronautics Company
244 Terminal Road
Greenville, South Carolina 29605
Greenville County

In accordance with the provisions of the Pollution Control Act, Sections 48-1-50(5), 48-1-100(A), and 48-1-110(a), the 1976 Code of Laws of South Carolina, as amended, and South Carolina Regulation 61-62, Air Pollution Control Regulations and Standards, the Bureau of Air Quality authorizes the operation of this facility and the equipment specified herein in accordance with valid construction permits, and the plans, specifications, and other information submitted in the Title V permit application received on June 27, 2017, as amended. All official correspondence, plans, permit applications, and written statements are an integral part of the permit. Any false information or misrepresentation in the application for a construction permit may be grounds for permit revocation.

The operation of this facility is subject to and conditioned upon the terms, limitations, standards, and schedules contained herein or as specified by this permit and its accompanying attachments.

Permit Number:	**TV-1200-0149 v1.2**
Agency Air Number:	**1200-0149**

Issue Date:	**July 14, 2020**
Effective Date:	**October 1, 2020**
Expiration Date:	**September 30, 2025**

Steve McCaslin, P. E., Director
Air Permitting Division
Bureau of Air Quality

RECORD OF REVISIONS		
Date	**Type**	**Description of Changes**
12-01-2021	MM	Added One Non-Chemical De-Painting Booth Insert (H4DEPAINT1) with dedicated filtration systems for aircraft and aircraft component de-painting operation in Hanger No. 4. (I.D. No. 4) (Construction permit CM)
12-01-2021	MM	Added Aircraft Paint Booth Insert No. 3 (H15PAINT3) with dedicated filtration system for aircraft and aircraft component painting and solvent cleaning operations in Hanger No. 15 High Bay. (I.D. No. 15) (Construction permit CM)
12-01-2021	MM	Added Aircraft Paint Booth Insert No. 4 (H15PAINT4) with dedicated filtration system for aircraft and aircraft component painting and solvent cleaning operations in Hanger No. 15 High Bay. (I.D. No. 15) (Construction permit CN)
05-20-2022	MM	Added Media Reclamation System (MRS1) (CM) and Portable Dry Media Blasting system (MBU1) (CO) with associated controls in Equipment Description and Control Device Table for Hangers 1 through 16, Added reference of MRS1 and MBU1 with associated control in conditions C.3 through C.6
06-28-2023	MM	Added Aircraft Paint Booth Insert No. 5 (H15PAINT5) (Full Rollover of Construction Permit CP) Corrected control device associated with H15PAINT4 to match construction permit CN Removed Portable Dry Media Blasting system (MBU1) from the permit Moved and renamed non-chemical depainting booth and filter from emission unit 4 to emission unit 6 (502(b)(10) received October 14, 2022)
DRAFT	MM	Added Aircraft Paint Booth Insert No. 6 (H15PAINT6) (Full Rollover of Construction Permit CP-50000220) Modified Aircraft Paint Booth Insert No. 5 (H15PAINT5) (Full Rollover of Construction Permit CP-50000220)

AA Administrative Amendment
MM Minor Modification
SM Significant Modification

A. EMISSION UNIT DESCRIPTION

Emission Unit ID	Emission Unit Description
01	Hangar No. 1
02	Hangar No. 2
03	Hangar No. 3
04	Hangar No. 4
05	Hangar No. 5
06	Hangar No. 6
07	Hangar No. 7
08	Hangar No. 8
09	Hangar No. 9
10	Hangar No. 10
11	Hangar No. 11
12	Hangar No. 12
13	Hangar No. 13
14	Hangar No. 14
15	Hangar No. 15
20	Small Parts Painting (Building 1052)
23	Wash Rack Area
24	Hangar No. 16

B. EQUIPMENT AND CONTROL DEVICE(S)

B.1 EQUIPMENT FOR EMISSION UNIT 01 – Hangar No. 1

Equipment ID	Equipment Description	Installation/ Modification Date	Control Device ID	Emission Point ID
H01	Hangar 1 (building 1016) for servicing aerospace vehicles including assembling/disassembling aerospace vehicles, touch-up painting, de-painting, solvent cleaning, repair and maintenance of aerospace vehicles and components. Other miscellaneous material usage occurs in Hangar.	1950's	CE-MM01-CE-MM17	Fugitive
MRS1	Media reclamation system integrated with the portable dry media blasting system for de-painting. PM from reclamation system is controlled by cyclone separator followed by filter dust collector unit at the cyclone exhaust.	12/2021	MEDIABLAST1	Fugitive

B.2 CONTROL DEVICE(S) FOR EMISSION UNIT 01 – Hangar No. 1

Control Device ID	Control Device Description	Installation/ Modification Date	Pollutant(s) Controlled
CE-MM01-CE-MM17	Any of the seventeen (17) paint carts (mobile emission collection carts), each equipped with a 95% efficient Portable 3-Stage Paint Filter System (Manufactured by Air Verter) while performing painting/de-painting operations	10/99-11/2001	$PM/PM_{10}/PM_{2.5}$
MEDIABLAST1	Integrated filter dust collector unit at the media reclamation system cyclone exhaust.	12/2021	$PM/PM_{10}/PM_{2.5}$

B.3 EQUIPMENT FOR EMISSION UNIT 02 – Hangar No. 2

Equipment ID	Equipment Description	Installation/ Modification Date	Control Device ID	Emission Point ID
H02	Hangar 2 (building 1017) for servicing aerospace vehicles including assembling/disassembling aerospace vehicles, touch-up painting, de-painting, solvent cleaning, repair and maintenance of aerospace vehicles and components. Other miscellaneous material usage occurs in Hangar.	1950's	CE-MM01-CE-MM17	Fugitive
MRS1	Media reclamation system integrated with the portable dry media blasting system for de-painting. PM from reclamation system is controlled by cyclone separator followed by filter dust collector unit at the cyclone exhaust.	12/2021	MEDIABLAST1	Fugitive

B.4 CONTROL DEVICE(S) FOR EMISSION UNIT 02 – Hangar No. 2

Control Device ID	Control Device Description	Installation/ Modification Date	Pollutant(s) Controlled
CE-MM01-CE-MM17	Any of the seventeen (17) paint carts (mobile emission collection carts), each equipped with a 95% efficient Portable 3-Stage Paint Filter System (Manufactured by Air Verter) while performing painting/de-painting operations	10/99-11/2001	$PM/PM_{10}/PM_{2.5}$
MEDIABLAST1	Integrated filter dust collector unit at the media reclamation system cyclone exhaust.	12/2021	$PM/PM_{10}/PM_{2.5}$

B.5 EQUIPMENT FOR EMISSION UNIT 03 – Hangar No. 3

Equipment ID	Equipment Description	Installation/ Modification Date	Control Device ID	Emission Point ID
H03	Hangar 3 (building 1018) for servicing aerospace vehicles including assembling/disassembling aerospace vehicles, touch-up painting, de-painting, solvent cleaning, repair and maintenance of aerospace vehicles and components. Other miscellaneous material usage occurs in Hangar.	1950's	CE-MM01-CE-MM17	Fugitive
MRS1	Media reclamation system integrated with the portable dry media blasting system for de-painting. PM from reclamation system is controlled by cyclone separator followed by filter dust collector unit at the cyclone exhaust.	12/2021	MEDIABLAST1	Fugitive

B.6 CONTROL DEVICE(S) FOR EMISSION UNIT 03 – Hangar No. 3

Control Device ID	Control Device Description	Installation/ Modification Date	Pollutant(s) Controlled
CE-MM01-CE-MM17	Any of the seventeen (17) paint carts (mobile emission collection carts), each equipped with a 95% efficient Portable 3-Stage Paint Filter System (Manufactured by Air Verter) while performing painting/de-painting operations	10/99-11/2001	$PM/PM_{10}/PM_{2.5}$
MEDIABLAST1	Integrated filter dust collector unit at the media reclamation system cyclone exhaust.	12/2021	$PM/PM_{10}/PM_{2.5}$

B.7 EQUIPMENT FOR EMISSION UNIT 04 – Hangar No. 4

Equipment ID	Equipment Description	Installation/ Modification Date	Control Device ID	Emission Point ID
H04	Hangar 4 (building 1029) for servicing aerospace vehicles including assembling/disassembling aerospace vehicles, touch-up painting, de-painting, solvent cleaning, repair and maintenance of aerospace vehicles and components. Other miscellaneous material usage occurs in Hangar.	1950's	CE-MM01-CE-MM17	Fugitive
MRS1	Media reclamation system integrated with the portable dry media blasting system for de-painting. PM from reclamation system is	12/2021	MEDIABLAST1	Fugitive

B.7 EQUIPMENT FOR EMISSION UNIT 04 – Hangar No. 4

Equipment ID	Equipment Description	Installation/ Modification Date	Control Device ID	Emission Point ID
	controlled by cyclone separator followed by filter dust collector unit at the cyclone exhaust.			

B.8 CONTROL DEVICE(S) FOR EMISSION UNIT 04 – Hangar No. 4

Control Device ID	Control Device Description	Installation/ Modification Date	Pollutant(s) Controlled
CE-MM01-CE-MM17	Any of the seventeen (17) paint carts (mobile emission collection carts), each equipped with a 95% efficient Portable 3-Stage Paint Filter System (Manufactured by Air Verter) while performing painting/de-painting operations	10/99-11/2001	$PM/PM_{10}/PM_{2.5}$
MEDIABLAST1	Integrated filter dust collector unit at the media reclamation system cyclone exhaust.	12/2021	$PM/PM_{10}/PM_{2.5}$

B.9 EQUIPMENT FOR EMISSION UNIT 05 – Hangar No. 5

Equipment ID	Equipment Description	Installation/ Modification Date	Control Device ID	Emission Point ID
H05	Hangar 5 (building 1019) for servicing aerospace vehicles including assembling/disassembling aerospace vehicles, touch-up painting, de-painting, solvent cleaning, repair and maintenance of aerospace vehicles and components. Other miscellaneous material usage occurs in Hangar.	1950's	CE-MM01-CE-MM17	Fugitive
MRS1	Media reclamation system integrated with the portable dry media blasting system for de-painting. PM from reclamation system is controlled by cyclone separator followed by filter dust collector unit at the cyclone exhaust.	12/2021	MEDIABLAST1	Fugitive

B.10 CONTROL DEVICE(S) FOR EMISSION UNIT 05 – Hangar No. 5

Control Device ID	Control Device Description	Installation/ Modification Date	Pollutant(s) Controlled
CE-MM01-CE-MM17	Any of the seventeen (17) paint carts (mobile emission collection carts), each equipped with a 95% efficient Portable 3-Stage Paint Filter System	10/99-11/2001	$PM/PM_{10}/PM_{2.5}$

B.10 CONTROL DEVICE(S) FOR EMISSION UNIT 05 – Hangar No. 5

Control Device ID	Control Device Description	Installation/ Modification Date	Pollutant(s) Controlled
	(Manufactured by Air Verter) while performing painting/de-painting operations		
MEDIABLAST1	Integrated filter dust collector unit at the media reclamation system cyclone exhaust.	12/2021	$PM/PM_{10}/PM_{2.5}$

B.11 EQUIPMENT FOR EMISSION UNIT 06 – Hangar No. 6

Equipment ID	Equipment Description	Installation/ Modification Date	Control Device ID	Emission Point ID
H06	Hangar 6 (building 1024) for de-painting of aerospace vehicles and components, servicing aerospace vehicles including assembling/disassembling aerospace vehicles, touch-up painting, solvent cleaning, repair and maintenance of aerospace vehicles and components. Other miscellaneous material usage occurs in Hangar.	1950's	CE-MM01-CE-MM17	Fugitive
MRS1	Media reclamation system integrated with the portable dry media blasting system for de-painting. PM from reclamation system is controlled by cyclone separator followed by filter dust collector unit at the cyclone exhaust.	12/2021	MEDIABLAST1	Fugitive
H6DEPAINT1	One Non-Chemical De-Painting Booth Insert with dedicated filtration systems for aircraft and aircraft component depainting operation.	01/2023	H6DEPAINT1	Fugitive

B.12 CONTROL DEVICE(S) FOR EMISSION UNIT 06 – Hangar No. 6

Control Device ID	Control Device Description	Installation/ Modification Date	Pollutant(s) Controlled
CE-MM01-CE-MM17	Any of the seventeen (17) paint carts (mobile emission collection carts), each equipped with a 95% efficient Portable 3-Stage Paint Filter System (Manufactured by Air Verter) while performing painting/de-painting operations	10/99-11/2001	$PM/PM_{10}/PM_{2.5}$
MEDIABLAST1	Integrated filter dust collector unit at the media reclamation system cyclone exhaust.	12/2021	$PM/PM_{10}/PM_{2.5}$
H6DEPAINT1	De-Paint Filtration System	01/2023	$PM/PM_{10}/PM_{2.5}$

B.13 EQUIPMENT FOR EMISSION UNIT 07 – Hangar No. 7

Equipment ID	Equipment Description	Installation/ Modification Date	Control Device ID	Emission Point ID
H07	Hangar 7 (building 1041) for servicing aerospace vehicles including assembling/disassembling aerospace vehicles, touch-up painting, de-painting, solvent cleaning, repair and maintenance of aerospace vehicles and components. Other miscellaneous material usage occurs in Hangar.	1950's	CE-MM01-CE-MM17	Fugitive
MRS1	Media reclamation system integrated with the portable dry media blasting system for de-painting. PM from reclamation system is controlled by cyclone separator followed by filter dust collector unit at the cyclone exhaust.	12/2021	MEDIABLAST1	Fugitive

B.14 CONTROL DEVICE(S) FOR EMISSION UNIT 07 – Hangar No. 7

Control Device ID	Control Device Description	Installation/ Modification Date	Pollutant(s) Controlled
CE-MM01-CE-MM17	Any of the seventeen (17) paint carts (mobile emission collection carts), each equipped with a 95% efficient Portable 3-Stage Paint Filter System (Manufactured by Air Verter) while performing painting/de-painting operations	10/99-11/2001	PM/PM_{10}/$PM_{2.5}$
MEDIABLAST1	Integrated filter dust collector unit at the media reclamation system cyclone exhaust.	12/2021	PM/PM_{10}/$PM_{2.5}$

B.15 EQUIPMENT FOR EMISSION UNIT 08 – Hangar No. 8

Equipment ID	Equipment Description	Installation/ Modification Date	Control Device ID	Emission Point ID
H08	Hangar 8 (building 1046) for servicing aerospace vehicles including assembling/disassembling aerospace vehicles, touch-up painting, de-painting, solvent cleaning, repair and maintenance of aerospace vehicles and components. Other miscellaneous material usage occurs in Hangar.	1950's	CE-MM01-CE-MM17	Fugitive
MRS1	Media reclamation system integrated with the portable dry media blasting system for de-	12/2021	MEDIABLAST1	Fugitive

B.15 EQUIPMENT FOR EMISSION UNIT 08 – Hangar No. 8

Equipment ID	Equipment Description	Installation/ Modification Date	Control Device ID	Emission Point ID
	painting. PM from reclamation system is controlled by cyclone separator followed by filter dust collector unit at the cyclone exhaust.			

B.16 CONTROL DEVICE(S) FOR EMISSION UNIT 08 – Hangar No. 8

Control Device ID	Control Device Description	Installation/ Modification Date	Pollutant(s) Controlled
CE-MM01-CE-MM17	Any of the seventeen (17) paint carts (mobile emission collection carts), each equipped with a 95% efficient Portable 3-Stage Paint Filter System (Manufactured by Air Verter) while performing painting/de-painting operations	10/99-11/2001	PM/PM_{10}/$PM_{2.5}$
MEDIABLAST1	Integrated filter dust collector unit at the media reclamation system cyclone exhaust.	12/2021	PM/PM_{10}/$PM_{2.5}$

B.17 EQUIPMENT FOR EMISSION UNIT 09 – Hangar No. 9

Equipment ID	Equipment Description	Installation/ Modification Date	Control Device ID	Emission Point ID
H09	Hangar 9 (building 1042) for servicing aerospace vehicles including assembling/disassembling aerospace vehicles, touch-up painting, de-painting, solvent cleaning, repair and maintenance of aerospace vehicles and components. Other miscellaneous material usage occurs in Hangar.	1950's	CE-MM01-CE-MM17	Fugitive
MRS1	Media reclamation system integrated with the portable dry media blasting system for de-painting. PM from reclamation system is controlled by cyclone separator followed by filter dust collector unit at the cyclone exhaust.	12/2021	MEDIABLAST1	Fugitive

B.18 CONTROL DEVICE(S) FOR EMISSION UNIT 09 – Hangar No. 9

Control Device ID	Control Device Description	Installation/ Modification Date	Pollutant(s) Controlled
CE-MM01-CE-MM17	Any of the seventeen (17) paint carts (mobile emission collection carts), each equipped with a 95%	10/99-11/2001	PM/PM_{10}/$PM_{2.5}$

B.18 CONTROL DEVICE(S) FOR EMISSION UNIT 09 – Hangar No. 9

Control Device ID	Control Device Description	Installation/ Modification Date	Pollutant(s) Controlled
	efficient Portable 3-Stage Paint Filter System (Manufactured by Air Verter) while performing painting/de-painting operations		
MEDIABLAST1	Integrated filter dust collector unit at the media reclamation system cyclone exhaust.	12/2021	PM/PM_{10}/$PM_{2.5}$

B.19 EQUIPMENT FOR EMISSION UNIT 10 – Hangar No. 10

Equipment ID	Equipment Description	Installation/ Modification Date	Control Device ID	Emission Point ID
H10	Hangar 10 (building 1043) for servicing aerospace vehicles including assembling/disassembling aerospace vehicles, touch-up painting, de-painting, solvent cleaning, repair and maintenance of aerospace vehicles and components. Other miscellaneous material usage occurs in Hangar.	1950's	CE-MM01-CE-MM17	Fugitive
MRS1	Media reclamation system integrated with the portable dry media blasting system for de-painting. PM from reclamation system is controlled by cyclone separator followed by filter dust collector unit at the cyclone exhaust.	12/2021	MEDIABLAST1	Fugitive

B.20 CONTROL DEVICE(S) FOR EMISSION UNIT 10 – Hangar No. 10

Control Device ID	Control Device Description	Installation/ Modification Date	Pollutant(s) Controlled
CE-MM01-CE-MM17	Any of the seventeen (17) paint carts (mobile emission collection carts), each equipped with a 95% efficient Portable 3-Stage Paint Filter System (Manufactured by Air Verter) while performing painting/de-painting operations	10/99-11/2001	PM/PM_{10}/$PM_{2.5}$
MEDIABLAST1	Integrated filter dust collector unit at the media reclamation system cyclone exhaust.	12/2021	PM/PM_{10}/$PM_{2.5}$

B.21 EQUIPMENT FOR EMISSION UNIT 11 – Hangar No. 11

Equipment ID	Equipment Description	Installation/ Modification Date	Control Device ID	Emission Point ID
H11	Hangar 11 (building 1048) for servicing aerospace vehicles including assembling/disassembling aerospace vehicles, touch-up painting, de-painting, solvent cleaning, repair and maintenance of aerospace vehicles and components. Other miscellaneous material usage occurs in Hangar.	1950's	CE-MM01-CE-MM17	Fugitive
MRS1	Media reclamation system integrated with the portable dry media blasting system for de-painting. PM from reclamation system is controlled by cyclone separator followed by filter dust collector unit at the cyclone exhaust.	12/2021	MEDIABLAST1	Fugitive

B.22 CONTROL DEVICE(S) FOR EMISSION UNIT 11 – Hangar No. 11

Control Device ID	Control Device Description	Installation/ Modification Date	Pollutant(s) Controlled
CE-MM01-CE-MM17	Any of the seventeen (17) paint carts (mobile emission collection carts), each equipped with a 95% efficient Portable 3-Stage Paint Filter System (Manufactured by Air Verter) while performing painting/de-painting operations	10/99-11/2001	$PM/PM_{10}/PM_{2.5}$
MEDIABLAST1	Integrated filter dust collector unit at the media reclamation system cyclone exhaust.	12/2021	$PM/PM_{10}/PM_{2.5}$

B.23 EQUIPMENT FOR EMISSION UNIT 12 – Hangar No. 12

Equipment ID	Equipment Description	Installation/ Modification Date	Control Device ID	Emission Point ID
H12	Hangar 12 (building 1307) for servicing aerospace vehicles including assembling/disassembling aerospace vehicles, touch-up painting, de-painting, solvent cleaning, repair and maintenance of aerospace vehicles and components. Other miscellaneous material usage occurs in Hangar.	1950's	CE-MM01-CE-MM17	Fugitive
MRS1	Media reclamation system integrated with the portable dry media blasting system for de-painting. PM from reclamation system is	12/2021	MEDIABLAST1	Fugitive

B.23 EQUIPMENT FOR EMISSION UNIT 12 – Hangar No. 12

Equipment ID	Equipment Description	Installation/ Modification Date	Control Device ID	Emission Point ID
	controlled by cyclone separator followed by filter dust collector unit at the cyclone exhaust.			

B.24 CONTROL DEVICE(S) FOR EMISSION UNIT 12 – Hangar No. 12

Control Device ID	Control Device Description	Installation/ Modification Date	Pollutant(s) Controlled
CE-MM01-CE-MM17	Any of the seventeen (17) paint carts (mobile emission collection carts), each equipped with a 95% efficient Portable 3-Stage Paint Filter System (Manufactured by Air Verter) while performing painting/de-painting operations	10/99-11/2001	PM/PM_{10}/$PM_{2.5}$
MEDIABLAST1	Integrated filter dust collector unit at the media reclamation system cyclone exhaust.	12/2021	PM/PM_{10}/$PM_{2.5}$

B.25 EQUIPMENT FOR EMISSION UNIT 13 – Hangar No. 13

Equipment ID	Equipment Description	Installation/ Modification Date	Control Device ID	Emission Point ID
H13	Hangar 13 (building 1306) for servicing aerospace vehicles including assembling/disassembling aerospace vehicles, touch-up painting, de-painting, solvent cleaning, repair and maintenance of aerospace vehicles and components. Other miscellaneous material usage occurs in Hangar.	1950's	CE-MM01-CE-MM17	Fugitive
MRS1	Media reclamation system integrated with the portable dry media blasting system for de-painting. PM from reclamation system is controlled by cyclone separator followed by filter dust collector unit at the cyclone exhaust.	12/2021	MEDIABLAST1	Fugitive

B.26 CONTROL DEVICE(S) FOR EMISSION UNIT 13 – Hangar No. 13

Control Device ID	Control Device Description	Installation/ Modification Date	Pollutant(s) Controlled
CE-MM01-CE-MM17	Any of the seventeen (17) paint carts (mobile emission collection carts), each equipped with a 95%	10/99-11/2001	PM/PM_{10}/$PM_{2.5}$

B.26 CONTROL DEVICE(S) FOR EMISSION UNIT 13 – Hangar No. 13

Control Device ID	Control Device Description	Installation/ Modification Date	Pollutant(s) Controlled
	efficient Portable 3-Stage Paint Filter System (Manufactured by Air Verter) while performing painting/de-painting operations		
MEDIABLAST1	Integrated filter dust collector unit at the media reclamation system cyclone exhaust.	12/2021	$PM/PM_{10}/PM_{2.5}$

B.27 EQUIPMENT FOR EMISSION UNIT 14 – Hangar No. 14

Equipment ID	Equipment Description	Installation/ Modification Date	Control Device ID	Emission Point ID
H14	Hangar 14 (building 1305) for servicing aerospace vehicles including assembling/disassembling aerospace vehicles, touch-up painting, de-painting, solvent cleaning, repair and maintenance of aerospace vehicles and components. Other miscellaneous material usage occurs in Hangar.	1950's	CE-MM01-CE-MM17	Fugitive
MRS1	Media reclamation system integrated with the portable dry media blasting system for de-painting. PM from reclamation system is controlled by cyclone separator followed by filter dust collector unit at the cyclone exhaust.	12/2021	MEDIABLAST1	Fugitive

B.28 CONTROL DEVICE(S) FOR EMISSION UNIT 14 – Hangar No. 14

Control Device ID	Control Device Description	Installation/ Modification Date	Pollutant(s) Controlled
CE-MM01-CE-MM17	Any of the seventeen (17) paint carts (mobile emission collection carts), each equipped with a 95% efficient Portable 3-Stage Paint Filter System (Manufactured by Air Verter) while performing painting/de-painting operations	10/99-11/2001	$PM/PM_{10}/PM_{2.5}$
MEDIABLAST1	Integrated filter dust collector unit at the media reclamation system cyclone exhaust.	12/2021	$PM/PM_{10}/PM_{2.5}$

B.29 EQUIPMENT FOR EMISSION UNIT 15 – Hangar No. 15

Equipment ID	Equipment Description	Installation/ Modification Date	Control Device ID	Emission Point ID
H15N	Low Bay Paint Spray Hangar for painting/de-painting and servicing aerospace vehicles including assembling/disassembling aerospace vehicles, solvent cleaning, repair and maintenance of aerospace vehicles and components. Other miscellaneous material usage occurs in this hangar.	3/1999	CE-H15N, CE-MM01-CE-MM17	E-H15N Fugitive
H15S	High Bay Paint Spray Hangar for painting/de-painting and servicing aerospace vehicles including assembling/disassembling aerospace vehicles, solvent cleaning, repair and maintenance of aerospace vehicles and components. Other miscellaneous material usage occurs in this hangar.	3/1999	CE-H15S, CE-MM01-CE-MM17	E-H15S Fugitive
H15PAINT1	Aircraft Paint Booth Insert No. 1 with dedicated filtration system for aircraft and aircraft component painting and solvent cleaning operations in Hanger No. 15 High Bay	1/2020	H15PAINT1	Fugitive
H15PAINT2	Aircraft Paint Booth Insert No. 2 with dedicated filtration system for aircraft and aircraft component painting and solvent cleaning operations in Hanger No. 15 High Bay	1/2020	H15PAINT2	Fugitive
H15PAINT3	Aircraft Paint Booth Insert No. 3 with dedicated filtration system for aircraft and aircraft component painting and solvent cleaning operations in Hanger No. 15 High Bay	9/2021	H15PAINT3	Fugitive
H15PAINT4	Aircraft Paint Booth Insert No. 4 with dedicated filtration system for aircraft and aircraft component painting and solvent cleaning operations in Hanger No. 15 High Bay	10/2021	H15PAINT4a H15PAINT4b H15PAINT4c	Fugitive
MRS1	Media reclamation system integrated with the portable dry media blasting system for de-painting. PM from reclamation system is controlled by cyclone separator followed by filter dust collector unit at the cyclone exhaust.	12/2021	MEDIABLAST1	Fugitive
H15PAINT5	Aircraft Paint Booth Insert No. 5 with dedicated filtration system for aircraft and aircraft component painting and solvent cleaning operations in Hangar No. 15 High Bay	3/2023, 1/2025	H15PAINT5a H15PAINT5b H15PAINT5c	Fugitive
H15PAINT6	Aircraft Paint Booth Insert No. 6 with dedicated	10/2024	H15PAINT6a,	Fugitive

B.29 EQUIPMENT FOR EMISSION UNIT 15 – Hangar No. 15

Equipment ID	Equipment Description	Installation/ Modification Date	Control Device ID	Emission Point ID
	filtration system for aircraft and aircraft component painting and solvent cleaning operations in Hangar No. 15 High Bay		H15PAINT6b	

B.30 CONTROL DEVICE(S) FOR EMISSION UNIT 15 – Hangar No. 15

Control Device ID	Control Device Description	Installation/ Modification Date	Pollutant(s) Controlled
CE-H15N	NESHAP compliant 3-Stage Paint Filter System (Manufactured by Air Flow Technologies, Series 2000)	3/1999	$PM/PM_{10}/PM_{2.5}$
CE-H15S	NESHAP compliant 3-Stage Paint Filter System (Manufactured by Air Flow Technologies, Series 2000)	3/1999	$PM/PM_{10}/PM_{2.5}$
CE-MM01-CE-MM17	Any of the seventeen (17) paint carts (mobile emission collection carts), each equipped with a 95% efficient Portable 3-Stage Paint Filter System (Manufactured by Air Verter) while performing painting/de-painting operations	10/99-11/2001	$PM/PM_{10}/PM_{2.5}$
H15PAINT1	6 Stage Filtration System No. 1	1/2020	$PM/PM_{10}/PM_{2.5}$
H15PAINT2	6 Stage Filtration System No. 2	1/2020	$PM/PM_{10}/PM_{2.5}$
H15PAINT3	6 Stage Filtration System No. 3	9/2021	$PM/PM_{10}/PM_{2.5}$
H15PAINT4a	6 Stage Filtration System No. 4a	10/2021	$PM/PM_{10}/PM_{2.5}$
H15PAINT4b	6 Stage Filtration System No. 4b	10/2021	$PM/PM_{10}/PM_{2.5}$
H15PAINT4c	6 Stage Filtration System No. 4c	10/2021	$PM/PM_{10}/PM_{2.5}$
MEDIABLAST1	Integrated filter dust collector unit at the media reclamation system cyclone exhaust.	12/2021	$PM/PM_{10}/PM_{2.5}$
H15PAINT5a	6 Stage Filtration System No. 5a	3/2023, 1/2025	$PM/PM_{10}/PM_{2.5}$
H15PAINT5b	6 Stage Filtration System No. 5b	3/2023, 1/2025	$PM/PM_{10}/PM_{2.5}$
H15PAINT5c	6 Stage Filtration System No. 5c	3/2023, 1/2025	$PM/PM_{10}/PM_{2.5}$
H15PAINT6a	6 Stage Filtration System No. 6a	10/2024	$PM/PM_{10}/PM_{2.5}$
H15PAINT6b	6 Stage Filtration System No. 6b	10/2024	$PM/PM_{10}/PM_{2.5}$

B.31 EQUIPMENT FOR EMISSION UNIT 20 – Small Parts Painting (Building 1052)

Equipment ID	Equipment Description	Installation/ Modification Date	Control Device ID	Emission Point ID
SP02	Paint Spray Booth for painting of small parts of aerospace vehicles and solvent cleaning	N/A	CE-SP02	E-SP02

B.31 EQUIPMENT FOR EMISSION UNIT 20 – Small Parts Painting (Building 1052)

Equipment ID	Equipment Description	Installation/ Modification Date	Control Device ID	Emission Point ID
	operations.			

B.32 CONTROL DEVICE(S) FOR EMISSION UNIT 20 – Small Parts Painting (Building 1052)

Control Device ID	Control Device Description	Installation/ Modification Date	Pollutant(s) Controlled
CE-SP02	95% efficient 3-Stage Paint Filter System for Building 1052 (Manufactured by Air Flow Technologies)	9/1999	$PM/PM_{10}/PM_{2.5}$

B.33 EQUIPMENT FOR EMISSION UNIT 23 – Wash Rack Area

Equipment ID	Equipment Description	Installation/ Modification Date	Control Device ID	Emission Point ID
WR	Wash Rack Area with under drain for aerospace vehicles cleaning. Water soluble detergents are used to remove dirt from aerospace vehicles prior to painting, de-painting or other servicing. The wash rack may be used to perform minor touch-up painting, and de-painting operations.	1960's	N/A	E-WR

B.34 EQUIPMENT FOR EMISSION UNIT 24 – Hangar No. 16

Equipment ID	Equipment Description	Installation/ Modification Date	Control Device ID	Emission Point ID
H16	Hangar 16 (building 1201) for servicing aerospace vehicles including assembling/disassembling aerospace vehicles, touch-up painting, de-painting, solvent cleaning, repair and maintenance of aerospace vehicles and components. Other miscellaneous material usage occurs in Hangar.	2002	CE-MM01-CE-MM17	Fugitive
H16SBO	0.88 Million Btu/hr natural gas fired Seal Bond Oven	1/2020	None	E-H16SBO
MRS1	Media reclamation system integrated with the portable dry media blasting system for de-painting. PM from reclamation system is controlled by cyclone separator followed by filter dust collector unit at the cyclone exhaust.	12/2021	MEDIABLAST1	Fugitive

B.35 CONTROL DEVICE(S) FOR EMISSION UNIT 24 – Hangar No. 16

Control Device ID	Control Device Description	Installation/ Modification Date	Pollutant(s) Controlled
CE-MM01-CE-MM17	Any of the seventeen (17) paint carts (mobile emission collection carts), each equipped with a 95% efficient Portable 3-Stage Paint Filter System (Manufactured by Air Verter) while performing painting/de-painting operations	10/99-11/2001	$PM/PM_{10}/PM_{2.5}$
MEDIABLAST1	Integrated filter dust collector unit at the media reclamation system cyclone exhaust.	12/2021	$PM/PM_{10}/PM_{2.5}$

C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Conditions
C.1	**Emission Unit ID:** All **Equipment ID:** All **Control Device ID:** All Equipment capacities provided under the Equipment Description column of the Equipment Tables above are not intended to be permit limits unless otherwise specified within the Table of Conditions for the particular equipment. However, this condition does not exempt the facility from the construction permitting process, from PSD review, nor from any other applicable requirements that must be addressed prior to increasing production rates.
C.2	**Emission Unit ID:** All **Equipment ID:** All **Control Device ID:** All (S.C. Regulation 61-62.1, Section II.J.1.g) A copy of the Department issued construction and/or operating permit must be kept readily available at the facility at all times. The owner or operator shall maintain such operational records; make reports; install, use, and maintain monitoring equipment or methods; sample and analyze emissions or discharges in accordance with prescribed methods at locations, intervals, and procedures as the Department shall prescribe; and provide such other information as the Department reasonably may require. All records required to demonstrate compliance with the limits established under this permit shall be maintained on site for a period of at least 5 years from the date the record was generated and shall be made available to a Department representative upon request.
C.3	**Emission Unit ID:** 1-15, 20, 24 **Equipment ID:** H1-H14, H15N, H15S, H16, SP02, H15PAINT1, H15PAINT2, H15PAINT3, H15PAINT4, H15PAINT5, H15PAINT6, H6DEPAINT1, MRS1

C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Conditions
	Control Device ID: CE-MM01-CE-MM17, CE-H15N, CE-H15S, CE-SP02, H15PAINT1, H15PAINT2, H15PAINT3, H15PAINT4a, H15PAINT4b, H15PAINT4c, H15PAINT5a, H15PAINT5b, H15PAINT5c, H15PAINT6a, H15PAINT6b, H6DEPAINT1, MEDIABLAST1 The owner/operator shall inspect, calibrate, adjust, and maintain continuous monitoring systems, monitoring devices, and gauges in accordance with manufacturer's specifications or good engineering practices. The owner/operator shall maintain on file all measurements including continuous monitoring system or monitoring device performance measurements; all continuous monitoring system performance evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required in a permanent form suitable for inspection by Department personnel. (S.C. Regulation 61-62.1, Section II.J.1.d) Sources required to have continuous emission monitors shall submit reports as specified in applicable parts of the permit, law, regulations, or standards.
C.4	**Emission Unit ID:** 1-15, 20, 24 **Equipment ID:** H1-H14, H15N, H15S, H16, SP02, H15PAINT1, H15PAINT2, H15PAINT3, H15PAINT4, H15PAINT5, H15PAINT6, H6DEPAINT1, MRS1 **Control Device ID:** CE-MM01-CE-MM17, CE-H15N, CE-H15S, CE-SP02, H15PAINT1, H15PAINT2, H15PAINT3, H15PAINT4a, H15PAINT4b, H15PAINT4c, H15PAINT5a, H15PAINT5b, H15PAINT5c, H15PAINT6a, H15PAINT6b, H6DEPAINT1, MEDIABLAST1 All gauges shall be readily accessible and easily read by operating personnel and Department personnel (i.e. on ground level or easily accessible roof level). Monitoring parameter readings (i.e., pressure drop readings, etc.) and inspection checks shall be maintained in logs (written or electronic), along with any corrective action taken when deviations occur. Each incidence of operation outside the operational ranges, including date and time, cause, and corrective action taken, shall be recorded and kept on site. Exceedance of operational range shall not be considered a violation of an emission limit of this permit, unless the exceedance is also accompanied by other information demonstrating that a violation of an emission limit has taken place. Reports of these incidences shall be submitted semiannually. If no incidences occurred during the reporting period then a letter shall be submitted to indicate such. Any alternative method for monitoring control device performance must be preapproved by the Bureau and shall be incorporated into the permit as set forth in SC Regulation 61-62.70.7.
C.5	**Emission Unit ID:** 1-15, 20, 24 **Equipment ID:** H1-H14, H15N, H15S, H16, SP02, H15PAINT1, H15PAINT2, H15PAINT3, H15PAINT4, H15PAINT5, H15PAINT6, H6DEPAINT1, MRS1 **Control Device ID:** CE-MM01-CE-MM17, CE-H15N, CE-H15S, CE-SP02, H15PAINT1, H15PAINT2, H15PAINT3, H15PAINT4a, H15PAINT4b, H15PAINT4c, H15PAINT5a, H15PAINT5b, H15PAINT5c, H15PAINT6a, H15PAINT6b, H6DEPAINT1, MEDIABLAST1

C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Conditions
	H1-H14, H15N, H15S, H16, SP02, H15PAINT1, H15PAINT2, H15PAINT3, H15PAINT4, H15PAINT5, H15PAINT6, H16SBO, H6DEPAINT1, MRS1 - (S.C. Regulation 61-62.5, Standard No. 4, Section IX) Where construction or modification began after December 31, 1985, emissions from these sources (including fugitive emissions) shall not exhibit an opacity greater than 20%, each. WR - (S.C. Regulation 61-62.5, Standard No. 4, Section IX) Where construction or modification began on or before December 31, 1985, emissions from this source (including fugitive emissions) shall not exhibit an opacity greater than 40%. The owner/operator shall perform a visual inspection on a semiannual basis during source operation. Logs shall be kept to record all visual inspections, noting color, duration, density (heavy or light), cause, and corrective action taken for any abnormal emissions. If a source did not operate during the required visual inspection time frame, the log shall indicate such. The owner/operator shall submit semiannual reports. The report shall include records of abnormal emissions, if any, and corrective actions taken. If the unit did not operate during the semiannual period, the report shall state so. Visual inspection means a qualitative observation of opacity during daylight hours. The observer does not need to be certified to conduct valid visual inspections. However, at a minimum, the observer should be trained and knowledgeable about the effects on visibility of emissions caused by background contrast, ambient lighting, and observer position relative to lighting, wind, and the presence of uncombined water.
C.6	**Emission Unit ID:** 1-15, 20, 24 **Equipment ID:** H1-H14, H15N, H15S, H16, SP02, WR, H15PAINT1, H15PAINT2, H15PAINT3, H15PAINT4, H15PAINT5, H15PAINT6, H16SBO, H6DEPAINT1, MRS1 **Control Device ID:** CE-MM01-CE-MM17, CE-H15N, CE-H15S, CE-SP02, H15PAINT1, H15PAINT2, H15PAINT3, H15PAINT4a, H15PAINT4b, H15PAINT4c, H15PAINT5a, H15PAINT5b, H15PAINT5c, H15PAINT6a, H15PAINT6b, H6DEPAINT1, MEDIABLAST1 (S.C. Regulation 61-62.5, Standard No. 4, Section VIII) Particulate matter emissions shall be limited to the rate specified by use of the following equations: For process weight rates less than or equal to 30 tons per hour $E = (F)\ 4.10P^{0.67}$ and For process weight rates greater than 30 tons per hour $E = (F)\ 55.0P^{0.11} - 40$ Where E = the allowable emission rate in pounds per hour P = process weight rate in tons per hour F = effect factor from Table B in S.C. Regulation 61-62.5, Standard No. 4 For the purposes of compliance with this condition, the process boundaries are defined as follows:

C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Conditions

Process/Equipment IDs	Max Process Weight Rate (ton/hr)
Hangar No. 1 to 16, small parts painting (building 1052), and wash rack area (each)	1.01 (each)
H15PAINT1	1.69
H15PAINT2	1.69
H15PAINT3	1.69
H15PAINT4	1.69
H15PAINT5	1.69
H15PAINT6	1.69
H16SBO	0.19
H6DEPAINT1	0.33
MRS1	0.28

CE-MM01-CE-MM17 - The owner/operator shall continue to operate and maintain pressure drop gauge(s) on each module of the mobile emission collection carts. Pressure drop readings shall be recorded each shift during source operation. Operation and maintenance checks shall be made on at least an annual basis for filters and pressure drop gauges for proper operation. The mobile emission collection carts shall be in place and operational whenever processes controlled by it are running, except during periods of filter malfunction or mechanical failure.

CE-H15N, CE-H15S, CE-SP02 - The owner/operator shall continue to operate and maintain pressure drop gauge(s) on each module of the 3-stage filter panels. Pressure drop readings shall be recorded each shift during source operation. Operation and maintenance checks shall be made on at least an annual basis for filters and pressure drop gauges for proper operation. The 3-stage filter panels shall be in place and operational whenever processes controlled by it are running, except during periods of filter malfunction or mechanical failure.

Operational ranges for the monitored parameters have been established to ensure proper operation of the pollution control equipment. These operational ranges for the monitored parameters were derived from stack test data, vendor certification, and/or operational history and visual inspections, which demonstrate the proper operation of the equipment. The facility shall maintain the established ranges and supporting documentation for these monitored parameters. Operating ranges may be updated following submittal to the Director of Engineering Services.

The Seal Bond Oven is permitted to burn only natural gas as fuel. The use of any other substances as fuel is prohibited without prior written approval from the Department.

H15PAINT1, H15PAINT2, H15PAINT3, H15PAINT4a, H15PAINT4b, H15PAINT4c, H15PAINT5a,

C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS

(S.C. Regulation 61-62.1, Section II; S.C. Regulation 61-62.70.6.a.3.i.B)

Condition Number	Conditions
	H15PAINT5b, H15PAINT5c, H15PAINT6a, H15PAINT6b - The owner/operator shall continue to operate and maintain pressure drop gauge(s) on each module of the 6-stage Filtration System Nos. 1 through 6. Pressure drop readings shall be recorded once per shift during source operation. Operation and maintenance checks shall be made on at least an annual basis for 6-stage Filtration System Nos. 1 through 6 for proper operation. The 6-stage Filtration System Nos. 1 through 6 shall be in place and operational whenever processes controlled by it are running, except during periods of 6-stage Filtration System Nos. 1 through 6 malfunction or mechanical failure. H6DEPAINT1, MEDIABLAST1 - The owner/operator shall continue to operate and maintain pressure drop gauge(s) on each module of the De-Paint Filtration System and on the media reclaim system Filter Dust Collector Unit. Pressure drop readings shall be recorded once per shift during source operation. Operation and maintenance checks shall be made on at least an annual basis for the De-Paint Filtration System and Filter Dust Collector Unit for proper operation. The De-Paint Filtration System and Filter Dust Collector Unit shall be in place and operational whenever processes controlled by it are running, except during periods of De-Paint Filtration System and Filter Dust Collector Unit malfunction or mechanical failure. Operational ranges for the monitored parameters shall be established to ensure proper operation of the pollution control equipment. These operational ranges for the monitored parameters shall be derived from stack test data, vendor certification, and/or operational history and visual inspections, which demonstrate the proper operation of the equipment. These ranges and supporting documentation (certification from manufacturer, stack test results, 30 days of normal readings, opacity readings, etc.) shall be submitted to the Director of Engineering Services within 180 days of startup. Operating ranges may be updated following submittal to the Department.
C.7	**Emission Unit ID:** Facility-Wide **Equipment ID:** Facility-Wide **Control Device ID:** Facility-Wide (S.C. Regulation 61-62.6) Fugitive particulate matter (PM) emissions from material handling, process equipment, control equipment, or storage piles will be minimized to the maximum extent possible. This will include proper maintenance of the control system such as scheduled inspections, replacement of damaged or worn parts, etc. Fugitive emissions from dust buildup will be controlled by proper housekeeping and/or wet suppression.

D. NESHAP PERIODIC REPORTING SCHEDULE SUMMARY

NESHAP Part	NESHAP Subpart	Compliance Monitoring Report Submittal Frequency	Reporting Period	Report Due Date
63	ZZZZ (Emergency Engines see note 3 and 4)	N/A	N/A	N/A
63	GG	Semi-Annual	January 1 through June 30 July 1 through December 31	For semiannual reports, first report postmarked or delivered no later than July 31 or January 31, whichever date follows the end of the first calendar half after the compliance date.

1. This table summarizes only the periodic compliance reporting schedule. Additional reports may be required. See specific NESHAP Subpart for additional reporting requirements and associated schedule.
2. This reporting schedule does not supersede any other reporting requirements including but not limited to 40 CFR Part 60, 40 CFR Part 61, 40 CFR Part 63, and/or Title V. The MACT reporting schedule may be adjusted to coincide with the Title V reporting schedule with prior approval from the Department in accordance with 40 CFR 63.10(a)(5). This request may be made 1 year after the compliance date for the associated MACT standard.
3. Facilities with emergency engines are not required to submit reports. Only facilities with non-certified, non-emergency engines are required to submit semiannual reports.
4. Facilities with emergency engines shall comply with the operations limits specified in 40 CFR 63.6640(f).

E. NESHAP – CONDITIONS

Condition Number	Conditions
E.1	All NESHAP notifications and reports shall be sent to the Manager of the Air Toxics Section, Bureau of Air Quality.
E.2	All NESHAP notifications and the cover letter to periodic reports shall be sent to the United States Environmental Protection Agency (US EPA) at the following address or electronically as required by the specific subpart: **US EPA, Region 4** **Air, Pesticides and Toxics Management Division** **61 Forsyth Street SW** **Atlanta, GA 30303**
E.3	Emergency engines less than or equal to 150 kilowatt (kW) rated capacity, emergency engines greater than 150 kW rated capacity designated for emergency use only and operated a total of 500 hours per year or less for testing and maintenance and have a method to record the actual hours of use, such

E. NESHAP – CONDITIONS

Condition Number	Conditions
	as an hour meter, and diesel engine driven emergency fire pumps that are operated a total of 500 hours per year or less for testing and maintenance and have a method to record the actual hours of use, such as an hour meter, have been determined to be exempt from construction permitting requirements in accordance with South Carolina Regulation 61-62.1. If present, these sources shall still comply with the requirements of all applicable regulations, including but not limited to the following: New Source Performance Standards (NSPS) 40 CFR 60 Subpart A (General Provisions); NSPS 40 CFR 60 Subpart IIII (Stationary Compression Ignition Internal Combustion Engines); NSPS 40 CFR 60 Subpart JJJJ (Stationary Spark Ignition Internal Combustion Engines); National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 CFR 63 Subpart A (General Provisions); and NESHAP 40 CFR 63 Subpart ZZZZ (Stationary Reciprocating Internal Combustion Engines).
E.4	This facility has processes subject to the provisions of S.C. Regulation 61-62.63 and 40 CFR Part 63, National Emission Standards for Hazardous Air Pollutants, Subparts A and GG - Aerospace Manufacturing and Rework Facilities. The owner or operator shall comply with all applicable requirements of these Subparts; which are incorporated by reference as if fully repeated herein. Existing affected sources shall be in compliance with the requirements of these Subparts by the compliance date, unless otherwise noted. Any new affected sources shall comply with the requirements of these Subparts upon initial start-up unless otherwise noted. Per §63.749(a)(3), owner or operators of specialty coating application operation or handling and storage of waste operation that begins construction or reconstruction after February 17, 2015, shall be in compliance with the requirements of this subpart on December 7, 2015, or upon startup, whichever is later. Each owner or operator of a specialty coating application operation or handling and storage of waste operation that is existing on February 17, 2015, shall be in compliance with the requirements of this subpart on or before December 7, 2018.
E.5	40 CFR §63.743 Standards: General. (e) At all times, the owner or operator must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the owner or operator to make any further efforts to reduce emissions if levels required by the applicable standard have been achieved. Determination of whether a source is operating in compliance with operation and maintenance requirements will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.
E.6	40 CFR §63.745 Standards: Primer, topcoat, and specialty coating application operations. (b) Each owner or operator shall conduct the handling and transfer of primers, topcoats, and specialty

E. NESHAP – CONDITIONS

Condition Number	Conditions
	coatings to or from containers, tanks, vats, vessels, and piping systems in such a manner that minimizes spills.
E.7	(c) *Uncontrolled coatings*--organic *HAP and VOC content levels*. Each owner or operator shall comply with the organic HAP and VOC content limits specified in paragraphs (c)(1) through (c)(6) of this section for those coatings that are uncontrolled. (c)(1) Organic HAP emissions from primers shall be limited to an organic HAP content level of no more than: 540 g/L (4.5 lb/gal) of primer (less water), as applied, for general aviation rework facilities; or 650 g/L (5.4 lb/gal) of exterior primer (less water), as applied, to large commercial aircraft components (parts or assemblies) or fully assembled, large commercial aircraft at existing affected sources that produce fully assembled, large commercial aircraft; or 350 g/L (2.9 lb/gal) of primer (less water), as applied. (c)(2) VOC emissions from primers shall be limited to a VOC content level of no more than: 540 g/L (4.5 lb/gal) of primer (less water and exempt solvents), as applied, for general aviation rework facilities; or 650 g/L (5.4 lb/gal) of exterior primer (less water and exempt solvents), as applied, to large commercial aircraft components (parts or assemblies) or fully assembled, large commercial aircraft at existing affected sources that produce fully assembled, large commercial aircraft; or 350 g/L (2.9 lb/gal) of primer (less water and exempt solvents), as applied. (c)(3) Organic HAP emissions from topcoats shall be limited to an organic HAP content level of no more than: 420 g/L (3.5 lb/gal) of coating (less water) as applied or 540 g/L (4.5 lb/gal) of coating (less water) as applied for general aviation rework facilities. Organic HAP emissions from self-priming topcoats shall be limited to an organic HAP content level of no more than: 420 g/L (3.5 lb/gal) of self-priming topcoat (less water) as applied or 540 g/L (4.5 lb/gal) of self-priming topcoat (less water) as applied for general aviation rework facilities. (c)(4) VOC emissions from topcoats shall be limited to a VOC content level of no more than: 420 g/L (3.5 lb/gal) of coating (less water and exempt solvents) as applied or 540 g/L (4.5 lb/gal) of coating (less water and exempt solvents) as applied for general aviation rework facilities. VOC emissions from self-priming topcoats shall be limited to a VOC content level of no more than: 420 g/L (3.5 lb/gal) of self-priming topcoat (less water and exempt solvents) as applied or 540 g/L (4.5 lb/gal) of self-priming topcoat (less water) as applied for general aviation rework facilities. (c)(5) Organic HAP emissions from specialty coatings shall be limited to an organic HAP content level of no more than the HAP content limit specified in Table 1 of this section [§63.745] for each applicable specialty coating type. (c)(6) VOC emissions from specialty coatings shall be limited to a VOC content level of no more than the VOC content limit specified in Table 1 of this section [§63.745] for each applicable specialty coating type.

E. NESHAP – CONDITIONS

Condition Number	Conditions
E.8	(e) *Compliance methods*. Compliance with the organic HAP and VOC content limits specified in paragraphs (c)(1) through (c)(6) of this section shall be accomplished by using the methods specified in paragraphs (e)(1) and (e)(2) of this section either by themselves or in conjunction with one another. (e)(1) Use primers and topcoats (including self-priming topcoats) and specialty coatings with HAP and VOC content levels equal to or less than the limits specified in paragraphs (c)(1) through (c)(6) of this section; or (e)(2) Use the averaging provisions described in §63.743(d).
E.9	(f) *Application equipment*. Except as provided in paragraph (f)(3) of this section, each owner or operator of a new or existing primer, topcoat (including self-priming topcoat), or specialty coating application operation application operation subject to this subpart in which any of the coatings contain organic HAP or VOC shall comply with the requirements specified in paragraphs (f)(1) and (f)(2) of this section. (f)(1) All spray applied primers, topcoats (including self-priming topcoats), and specialty coatings shall be applied using one or more of the application techniques specified in paragraphs (f)(1)(i) through (f)(1)(v) of this section. (f)(1)(i) High volume low pressure (HVLP) spraying; (f)(1)(ii) Electrostatic spray application; (f)(1)(iii) Airless spray application; (f)(1)(iv) Air-assisted airless spray application; or (f)(1)(v) Any other coating spray application methods that achieve emission reductions or a transfer efficiency equivalent to or better than HVLP spray, electrostatic spray, airless spray, or air-assisted airless spray application methods as determined according to the requirements in §63.750(i). (f)(2) All application devices used to apply primers, topcoats (including self-priming topcoats), or specialty coatings shall be operated according to company procedures, local specified operating procedures, and/or the manufacturer's specifications, whichever is most stringent, at all times. Spray application equipment modified by the facility shall maintain a transfer efficiency equivalent to HVLP spray, electrostatic spray, airless spray, or air-assisted airless spray application techniques. (f)(3) The following situations are exempt from the requirements of paragraph (f)(1) of this section (f)(3)(i) Any situation that normally requires an extension on the spray gun to properly reach limited access spaces; (f)(3)(ii) The application of coatings that contain fillers that adversely affect atomization with HVLP spray guns; (f)(3)(iii) The application of coatings that normally have a dried film thickness of less than 0.0013 centimeter (0.0005 in.) and that the permitting agency has determined cannot be applied by any of

E. NESHAP – CONDITIONS

Condition Number	Conditions
	the application methods specified in paragraph (f)(1) of this section; (f)(3)(iv) The use of airbrush application methods for stenciling, lettering, and other identification markings, and the spray application of no more than 3.0 fluid ounces of coating in a single application (i.e., the total volume of a single coating formulation applied during any one day to any one aerospace vehicle or component) from a hand-held device with a paint cup capacity that is equal to or less than 3.0 fluid ounces (89 cubic centimeters). Using multiple small paint cups or refilling a small paint cup to apply more than 3.0 fluid ounces under the requirements of this paragraph is prohibited. If a paint cup liner is used in a reusable holder or cup, then the holder or cup must be designed to hold a liner with a capacity of no more than 3.0 fluid ounces. For example, a 3.0 ounce liner cannot be used in a holder that can also be used with a 6.0 ounce liner under the requirements of this paragraph; (f)(3)(v) The use of hand-held non-refillable aerosol containers; (f)(3)(vi) Touch-up and repair operations; (f)(3)(vii) Adhesives, sealants, maskants, caulking materials, and inks; and (f)(3)(viii) The application of coatings that contain less than 20 grams of VOC per liter of coating.
E.10	(g) *Inorganic HAP emissions*. Except as provided in paragraph (g)(4) of this section, each owner or operator of a new or existing primer, topcoat, or specialty coating application operation subject to this subpart in which any of the coatings that are spray-applied (as defined in §63.742) and contain inorganic HAP, shall comply with the applicable requirements in paragraphs (g)(1) through (3) of this section. (g)(1) Apply these coatings a booth, hangar, or portable enclosure in which air flow is directed downward onto or across the part or assembly being coated and exhausted through one or more outlets. (g)(2) Control the air stream from this operation as follows: (g)(2)(i) For existing sources, the owner or operator must choose one of the following: (g)(2)(i)(A) Before exhausting it to the atmosphere, pass the air stream through a dry particulate filter system certified using the methods described in §63.750(o) to meet or exceed the efficiency data points in Tables 2 and 3 of this section; or TABLE 2--TWO-STAGE ARRESTOR; LIQUID PHASE CHALLENGE FOR EXISTING SOURCES ----------+---------- Filtration efficiency |Aerodynamic particle requirement, % | size range, µm ----------+---------- >90.....| >5.7 >50.....| >4.1 >10.....| >2.2 ----------+----------

E. NESHAP – CONDITIONS

Condition Number	Conditions
	TABLE 3--TWO-STAGE ARRESTOR; SOLID PHASE CHALLENGE FOR EXISTING SOURCES Filtration efficiency requirement, % | Aerodynamic particle size range, µm >90 | >8.1 >50 | >5.0 >10 | >2.6 (g)(2)(i)(B) Before exhausting it to the atmosphere, pass the air stream through a water wash system that shall remain in operation during all coating application operations; or (g)(2)(i)(C) Before exhausting it to the atmosphere, pass the air stream through an air pollution control system that meets or exceeds the efficiency data points in Tables 2 and 3 of this section and is approved by the permitting authority. (g)(2)(ii) For new sources, either: (g)(2)(ii)(A) Before exhausting it to the atmosphere, pass the air stream through a dry particulate filter system certified using the methods described in §63.750(o) to meet or exceed the efficiency data points in Tables 4 and 5 of this section; or TABLE 4--THREE-STAGE ARRESTOR; LIQUID PHASE CHALLENGE FOR NEW SOURCES Filtration efficiency requirement, % | Aerodynamic particle size range, µm >95 | >2.0 >80 | >1.0 >65 | >0.42 TABLE 5--THREE-STAGE ARRESTOR; SOLID PHASE CHALLENGE FOR NEW SOURCES Filtration efficiency requirement, % | Aerodynamic particle size range, µm >95 | >2.5 >85 | >1.1 >75 | >0.70 (g)(2)(ii)(B) Before exhausting it to the atmosphere, pass the air stream through an air pollution control system that meets or exceeds the efficiency data points in Tables 4 and 5 of this section and

E. NESHAP – CONDITIONS

Condition Number	Conditions
	is approved by the permitting authority. (g)(2)(iii) Owners or operators of new sources that have commenced construction or reconstruction after June 6, 1994 but prior to October 29, 1996 may comply with the following requirements in lieu of the requirements in paragraph (g)(2)(ii) of this section: (g)(2)(iii)(A) Pass the air stream through either a two-stage dry particulate filter system or a water wash system before exhausting it to the atmosphere. (g)(2)(iii)(B) If the primer, topcoat, or specialty coating contains chromium or cadmium, control shall consist of a HEPA filter system, three-stage filter system, or other control system equivalent to the three stage filter system as approved by the permitting agency. (g)(2)(iv) If a dry particulate filter system is used, the following requirements shall be met: (g)(2)(iv)(A) Maintain the system in good working order; (g)(2)(iv)(B) Install a differential pressure gauge across the filter banks; (g)(2)(iv)(C) Continuously monitor the pressure drop across the filter and read and record the pressure drop once per shift, or install an interlock system that will automatically shut down the coating spray application system if the pressure drop exceeds or falls below the filter manufacturer's recommended limit(s); and (g)(2)(iv)(D) Take corrective action when the pressure drop exceeds or falls below the filter manufacturer's recommended limit(s). (g)(3) If the pressure drop across the dry particulate filter system, as recorded pursuant to §63.752(d)(1), is outside the limit(s) specified by the filter manufacturer or in locally prepared operating procedures, shut down the operation immediately and take corrective action. If the water path in the water wash system fails the visual continuity/flow characteristics check, or the water flow rate recorded pursuant to §63.752(d)(2) exceeds the limit(s) specified by the booth manufacturer or in locally prepared operating procedures, or the booth manufacturer's or locally prepared maintenance procedures for the filter or water wash system have not been performed as scheduled, shut down the operation immediately and take corrective action. The operation shall not be resumed until the pressure drop or water flow rate is returned within the specified limit(s). (g)(4) The requirements of paragraphs (g)(1) through (g)(3) of this section do not apply to the following: (g)(4)(i) Touch-up of scratched surfaces or damaged paint;

E. NESHAP – CONDITIONS

Condition Number	Conditions
	(g)(4)(ii) Hole daubing for fasteners; (g)(4)(iii) Touch-up of trimmed edges; (g)(4)(iv) Coating prior to joining dissimilar metal components; (g)(4)(v) Stencil operations performed by brush or air brush; (g)(4)(vi) Section joining; (g)(4)(vii) Touch-up of bushings and other similar parts; (g)(4)(viii) Sealant detackifying; (g)(4)(ix) Spray application of primers, topcoats, and specialty coatings in an area identified in a title V permit, where the permitting authority has determined that it is not technically feasible to spray apply coatings to the parts in a booth; (g)(4)(x) The use of hand-held non-refillable aerosol containers; and (g)(4)(xi) The spray application of no more than 3.0 fluid ounces of coating in a single application (i.e., the total volume of a single coating formulation applied during any one day to any one aerospace vehicle or component) from a hand-held device with a paint cup capacity that is equal to or less than 3.0 fluid ounces (89 cubic centimeters). Using multiple small paint cups or refilling a small paint cup to apply more than 3.0 fluid ounces under the requirements of this paragraph is prohibited. If a paint cup liner is used in a reusable holder or cup, then the holder or cup must be designed to hold a liner with a capacity of no more than 3.0 fluid ounces. For example, under the requirements of this paragraph, a 3.0 ounce liner cannot be used in a holder that can also be used with a 6.0 ounce liner.
E.11	40 CFR §63.752 Recordkeeping Requirements. (c) *Primer, topcoat, and specialty coating application operations -organic HAP and VOC*. Each owner or operator required to comply with the organic HAP and VOC content limits specified in §63.745(c) shall record the information specified in paragraphs (c)(1) through (c)(6) of this section, as appropriate. Each owner and operator using coating manufacturer's supplied data to demonstrate compliance with the applicable organic HAP or VOC limit specified in §63.745(c) may retain the manufacturer's documentation and annual purchase records in place of the records specified in paragraphs (c)(2) and (3) of this section. Owners and operators using the coating manufacturer's supplied data to demonstrate compliance based on the HAP content of the coating, and adding non-HAP solvent to those coatings, must also maintain records of the non-HAP solvent added to the coating. (c)(1) The name and VOC content as received and as applied of each primer, topcoat, and specialty coating used at the facility. (c)(2) For uncontrolled primers, topcoats, and specialty coatings that meet the organic HAP and VOC content limits in §63.745(c)(1) through (c)(6) without averaging: (c)(2)(i) The mass of organic HAP emitted per unit volume of coating as applied (less water) (H_i) and the mass of VOC emitted per unit volume of coating as applied (less water and exempt solvents) (G_i) for each coating formulation within each coating category used each month (as calculated using the procedures specified in §63.750(c) and (e));

E. NESHAP – CONDITIONS

Condition Number	Conditions
	(c)(2)(ii) All data, calculations, and test results (including EPA Method 24 results) used in determining the values of H_i and G_i; and (c)(2)(iii) The volume (gal) of each coating formulation within each coating category used each month. (c)(3) For "low HAP content" uncontrolled primers with organic HAP content less than or equal to 250 g/l (2.1 lb/gal) less water as applied and VOC content less than or equal to 250 g/l (2.1 lb/gal) less water and exempt solvents as applied: (c)(3)(i) Annual purchase records of the total volume of each primer purchased; and (c)(3)(ii) All data, calculations, and test results (including EPA Method 24 results) used in determining the organic HAP and VOC content as applied. These records shall consist of the manufacturer's certification when the primer is applied as received, or the data and calculations used to determine H_i if not applied as received. (d) *Primer, topcoat, and specialty coating application operations--inorganic HAP emissions*. (d)(1) Each owner or operator complying with §63.745(g) for the control of inorganic HAP emissions from primer, topcoat, and specialty coating application operations through the use of a dry particulate filter system or a HEPA filter system shall record the pressure drop across the operating system once each shift during which coating operations occur. (d)(3) This log shall include the acceptable limit(s) of pressure drop, water flow rate, or for the pumpless water wash booth, the booth manufacturer recommended parameter(s) that indicate the booth performance, as applicable, as specified by the filter or booth manufacturer or in locally prepared operating procedures.
E.12	40 CFR §63.753 Reporting Requirements. (c) *Primer, topcoat, and specialty coating application operations*. Each owner or operator of a primer or topcoat application operation subject to this subpart shall submit the following information: (c)(1) Semiannual reports occurring every 6 months from the date of the notification of compliance status that identify: (c)(1)(i) For primers, topcoats, and specialty coatings where compliance is not being achieved through the use of averaging or a control device, each value of H_i and G_i, as recorded under §63.752(c)(2)(i), that exceeds the applicable organic HAP or VOC content limit specified in §63.745(c); (c)(1)(vi) All times when a primer or topcoat application operation was not immediately shut down when the pressure drop across a dry particulate filter or HEPA filter system, the water flow rate through a conventional water wash system, or the recommended parameter(s) that indicate the booth performance for pumpless systems, as appropriate, was outside the limit(s) specified by the

E. NESHAP – CONDITIONS

Condition Number	Conditions
	filter or booth manufacturer or in locally prepared operating procedures; (c)(1)(vii) If the operations have been in compliance for the semiannual period, a statement that the operations have been in compliance with the applicable standards; and, (c)(2) Annual reports beginning 12 months after the date of the notification of compliance status listing the number of times the pressure drop or water flow rate for each dry filter or water wash system, as applicable, was outside the limit(s) specified by the filter or booth manufacturer or in locally prepared operating procedures.
E.13	§63.751 Monitoring requirements. (c) *Dry particulate filter, HEPA filter, and water wash systems—primer, topcoat, and specialty coating application operations*. (c)(1) Each owner or operator using a dry particulate filter system to meet the requirements of §63.745(g)(2) shall, while primer, topcoat, and specialty coating application operations are occurring, continuously monitor the pressure drop across the system and read and record the pressure drop once per shift following the recordkeeping requirements of §63.752(d), or install an interlock system as specified in §63.745(g)(2)(iv)(C).
E.14	40 CFR §63.744 Standards: Cleaning Operations. (a) *Housekeeping measures*. Each owner or operator of a new or existing cleaning operation subject to this subpart shall comply with the requirements in paragraphs (a)(1) through (4) of this section unless the cleaning solvent used is identified in Table 1 of this section or meets the definition of "Non-HAP material" in 63.742. The requirements of paragraphs (a)(1) through (4) of this section do not apply to spent cleaning solvents, and solvent-laden applicators that are subject to and handled and stored in compliance with 40 CFR parts 262 through 268 (including the air emission control requirements in 40 CFR part 265, subpart CC). (a)(1) Unless the owner or operator satisfies the requirements in paragraph (a)(4) of this section, place used solvent-laden cloth, paper, or any other absorbent applicators used for cleaning in bags or other closed containers. Ensure that these bags and containers are kept closed at all times except when depositing or removing these materials from the container. Use bags and containers of such design so as to contain the vapors of the cleaning solvent. Cotton-tipped swabs used for very small cleaning operations are exempt from this requirement. (a)(2) Unless the owner or operator satisfies the requirements in paragraph (a)(4) of this section, store fresh and spent cleaning solvents, except semi-aqueous solvent cleaners, used in aerospace cleaning operations in closed containers. (a)(3) Conduct the handling and transfer of cleaning solvents to or from enclosed systems, vats, waste containers, and other cleaning operation equipment that hold or store fresh or spent cleaning solvents in such a manner that minimizes spills.

E. NESHAP – CONDITIONS

<table>
<tr><th>Condition Number</th><th>Conditions</th></tr>
<tr><td></td><td>(a)(4) Demonstrate to the Administrator (or delegated State, local, or Tribal authority) that equivalent or better alternative measures are in place compared to the use of closed containers for the solvent-laden materials described in paragraph (a)(1) of this section, or the storage of solvents described in paragraph (a)(2) of this section.</td></tr>
<tr><td>E.15</td><td>(b) Hand-wipe cleaning. Each owner or operator of a new or existing handwipe cleaning operation (excluding cleaning of spray gun equipment performed in accordance with paragraph (c) of this section) subject to this subpart shall use cleaning solvents that meet one of the requirements specified in paragraphs (b)(1), (b)(2), and (b)(3) of this section. Cleaning solvent solutions that contain HAP and VOC below the de minimis levels specified in §63.741(f) are exempt from the requirements in paragraphs (b)(1), (b)(2), and (b)(3) of this section.

(b)(1) Meet one of the composition requirements in Table 1 of this section;

<table>
<tr><th colspan="2">TABLE 1 -- COMPOSITION REQUIREMENTS FOR APPROVED CLEANING SOLVENTS</th></tr>
<tr><td>Cleaning solvent type</td><td>Composition requirements</td></tr>
<tr><td>Aqueous</td><td>Cleaning solvents in which water is the primary ingredient (80 percent of cleaning solvent solution as applied must be water). Detergents surfactants, and bioenzyme mixtures and nutrients may be combined with the water along with a variety of additives, such as organic solvents (e.g., high boiling point alcohols), builders, saponifiers, inhibitors, emulsifiers, pH buffers, and antifoaming agents. Aqueous solutions must have a flash point greater than 93°C (200°F) (as reported by the manufacturer), and the solution must be miscible with water.</td></tr>
<tr><td>Hydrocarbon-based</td><td>Cleaners that are composed of photo chemically reactive hydrocarbons and/or oxygenated hydrocarbons and have a maximum vapor pressure of 7 mm Hg at 20°C (3.75 in. H2O and 68°F). These cleaners also contain no HAP.</td></tr>
</table>
(b)(2) Have a composite vapor pressure of 45 mm Hg (24.1 in. H_2O) or less at 20°C (68°F); or

(b)(3) Demonstrate that the volume of hand-wipe solvents used in cleaning operations has been reduced by at least 60% from a baseline adjusted for production. The baseline shall be established as part of an approved alternative plan administered by the State. Demonstrate that the volume of hand-wipe cleaning solvents used in cleaning operations has been reduced by at least 60 percent from a baseline adjusted for production. The baseline shall be calculated using data from 1996 and 1997, or as otherwise agreed upon by the Administrator or delegated State Authority. The baseline shall be approved by the Administrator or delegated State Authority and shall be included as part of</td></tr>
</table>

E. NESHAP – CONDITIONS

Condition Number	Conditions
	the facility's title V or part 70 permit.
E.16	(c) *Spray gun cleaning*. Each owner or operator of a new or existing spray gun cleaning operation subject to this subpart in which spray guns are used for the application of coatings or any other materials that require the spray guns to be cleaned shall use one or more of the techniques, or their equivalent, specified in paragraphs (c)(1) through (c)(4) of this section. Spray gun cleaning operations using cleaning solvent solutions that contain HAP and VOC below the de minimis levels specified in §63.741(f) are exempt from the requirements in paragraphs (c)(1) through (c)(4) of this section. (c)(1)(i) *Enclosed system*. Clean the spray gun in an enclosed system that is closed at all times except when inserting or removing the spray gun. Cleaning shall consist of forcing solvent through the gun. (c)(1)(ii) If leaks are found during the monthly inspection required in §63.751(a), repairs shall be made as soon as practicable, but no later than 15 days after the leak was found. If the leak is not repaired by the 15th day after detection, the cleaning solvent shall be removed, and the enclosed cleaner shall be shut down until the leak is repaired or its use is permanently discontinued. (c)(2) *Non-atomized cleaning*. Clean the spray gun by placing cleaning solvent in the pressure pot and forcing it through the gun with the atomizing cap in place. No atomizing air is to be used. Direct the cleaning solvent from the spray gun into a vat, drum, or other waste container that is closed when not in use. (c)(3) *Disassembled spray gun cleaning*. Disassemble the spray gun and clean the components by hand in a vat, which shall remain closed at all times except when in use. Alternatively, soak the components in a vat, which shall remain closed during the soaking period and when not inserting or removing components. (c)(4) *Atomizing cleaning*. Clean the spray gun by forcing the cleaning solvent through the gun and direct the resulting atomized spray into a waste container that is fitted with a device designed to capture the atomized cleaning solvent emissions. (5) Cleaning of the nozzle tips of automated spray equipment systems, except for robotic systems that can be programmed to spray into a closed container, shall be exempt from the requirements of paragraph (c) of this section.
E.17	(d) *Flush cleaning*. Each owner or operator of a flush cleaning operation subject to this subpart (excluding those in which Table 1 or semi-aqueous cleaning solvents are used) shall empty the used cleaning solvent each time aerospace parts or assemblies, or components of a coating unit (with the exception of spray guns) are flush cleaned into an enclosed container or collection system that is kept closed when not in use or into a system with equivalent emission control.
E.18	(e) *Exempt cleaning operations*. The following cleaning operations are exempt from the requirements of paragraph (b) of this section: (e)(1) Cleaning during the manufacture, assembly, installation, maintenance, or testing of

E. NESHAP – CONDITIONS

Condition Number	Conditions
	components of breathing oxygen systems that are exposed to the breathing oxygen; (e)(2) Cleaning during the manufacture, assembly, installation, maintenance, or testing of parts, subassemblies, or assemblies that are exposed to strong oxidizers or reducers (e.g., nitrogen tetroxide, liquid oxygen, or hydrazine); (e)(3) Cleaning and surface activation prior to adhesive bonding; (e)(4) Cleaning of electronic parts and assemblies containing electronic parts; (e)(5) Cleaning of aircraft and ground support equipment fluid systems that are exposed to the fluid, including air-to-air heat exchangers and hydraulic fluid systems; (e)(6) Cleaning of fuel cells, fuel tanks, and confined spaces; (e)(7) Surface cleaning of solar cells, coated optics, and thermal control surfaces; (e)(8) Cleaning during fabrication, assembly, installation, and maintenance of upholstery, curtains, carpet, and other textile materials used in the interior of the aircraft; (e)(9) Cleaning of metallic and nonmetallic materials used in honeycomb cores during the manufacture or maintenance of these cores, and cleaning of the completed cores used in the manufacture of aerospace vehicles or components; (e)(10) Cleaning of aircraft transparencies, polycarbonate, or glass substrates; (e)(11) Cleaning and cleaning solvent usage associated with research and development, quality control, and laboratory testing; (e)(12) Cleaning operations, using nonflammable liquids, conducted within five feet of energized electrical systems. Energized electrical systems means any AC or DC electrical circuit on an assembled aircraft once electrical power is connected, including interior passenger and cargo areas, wheel wells and tail sections; and (e)(13) Cleaning operations identified as essential uses under the Montreal Protocol for which the Administrator has allocated essential use allowances or exemptions in 40 CFR 82.4.
E.19	40 CFR §63.752 Recordkeeping Requirements. (b) *Cleaning operation*. Each owner or operator of a new or existing cleaning operation subject to this subpart shall record the information specified in paragraphs (b)(1) through (b)(5) of this section, as appropriate. (b)(1) The name, vapor pressure, and documentation showing the organic HAP constituents of each cleaning solvent used for affected cleaning operations at the facility. (b)(2) For each cleaning solvent used in hand-wipe cleaning operations that complies with the

E. NESHAP – CONDITIONS

Condition Number	Conditions
	composition requirements specified in §63.744(b)(1) or for semi-aqueous cleaning solvents used for flush cleaning operations: (b)(2)(i) The name of each cleaning solvent used; (b)(2)(ii) All data and calculations that demonstrate that the cleaning solvent complies with one of the composition requirements; and (b)(2)(iii) Annual records of the volume of each solvent used, as determined from facility purchase records or usage records. (b)(3) For each cleaning solvent used in hand-wipe cleaning operations that does not comply with the composition requirements in §63.744(b)(1), but does comply with the vapor pressure requirement in §63.744(b)(2): (b)(3)(i) The name of each cleaning solvent used; (b)(3)(ii) The composite vapor pressure of each cleaning solvent used; (b)(3)(iii) All vapor pressure test results, if appropriate, data, and calculations used to determine the composite vapor pressure of each cleaning solvent; and (b)(3)(iv) The amount (in gallons) of each cleaning solvent used each month at each operation. (b)(4) For each cleaning solvent used for the exempt hand-wipe cleaning operations specified in §63.744(e) that does not conform to the vapor pressure or composition requirements of §63.744(b): (b)(4)(i) The identity and amount (in gallons) of each cleaning solvent used each month at each operation; and (b)(4)(ii) A list of the processes set forth in §63.744(e) to which the cleaning operation applies. (b)(5) A record of all leaks from enclosed spray gun cleaners identified pursuant to §63.751(a) that includes for each leak found: (b)(5)(i) Source identification; (b)(5)(ii) Date leak was discovered; and (b)(5)(iii) Date leak was repaired.
E.20	40 CFR §63.753 Reporting Requirements. (b) *Cleaning operation*. Each owner or operator of a cleaning operation subject to this subpart shall submit the following information: (b)(1) Semiannual reports occurring every 6 months from the date of the notification of compliance

E. NESHAP – CONDITIONS

Condition Number	Conditions
	status that identify: (b)(1)(i) Any instance where a noncompliant cleaning solvent is used for a non-exempt hand-wipe cleaning operation; (b)(1)(ii) A list of any new cleaning solvents used for hand-wipe cleaning in the previous 6 months and, as appropriate, their composite vapor pressure or notification that they comply with the composition requirements specified in §63.744(b)(1); (b)(1)(iii) Any instance where a noncompliant spray gun cleaning method is used; (b)(1)(iv) Any instance where a leaking enclosed spray gun cleaner remains unrepaired and in use for more than 15 days; and (b)(1)(v) If the operations have been in compliance for the semiannual period, a statement that the cleaning operations have been in compliance with the applicable standards. Sources shall also submit a statement of compliance signed by a responsible company official certifying that the facility is in compliance with all applicable requirements.
E.21	40 CFR §63.746 Standards: De-painting Operations. (a) *Applicability*. Each owner or operator of a new or existing de-painting operation subject to this subpart shall comply with the requirements in paragraphs (a)(1) through (a)(3) of this section, and with the requirements specified in paragraph (b) where there are no controls for organic HAP, or paragraph (c) where organic HAP are controlled using a control system. This section does not apply to an aerospace manufacturing or rework facility that de-paints six or less completed aerospace vehicles in a calendar year. (a)(1) The provisions of this section apply to the de-painting of the outer surface areas of completed aerospace vehicles, including the fuselage, wings, and vertical and horizontal stabilizers of the aircraft, and the outer casing and stabilizers of missiles and rockets. These provisions do not apply to the de-painting of parts or units normally removed from the aerospace vehicle for de-painting. However, de-painting of wings and stabilizers is always subject to the requirements of this section regardless of whether their removal is considered by the owner or operator to be normal practice for de-painting. (a)(2) Aerospace vehicles or components that are intended for public display, no longer operational, and not easily capable of being moved are exempt from the requirements of this section. (a)(3) The following de-painting operations are exempt from the requirements of this section: (a)(3)(i) De-painting of radomes; and (a)(3)(ii) De-painting of parts, subassemblies, and assemblies normally removed from the primary aircraft structure before de-painting.
E.22	(b)(1) *HAP emissions--non-HAP chemical strippers and technologies*. Except as provided in paragraphs

E. NESHAP – CONDITIONS

Condition Number	Conditions
	(b)(2) and (b)(3) of this section, each owner or operator of a new or existing aerospace de-painting operation subject to this subpart shall emit no organic HAP from chemical stripping formulations and agents or chemical paint softeners. (b)(2) Where non-chemical based equipment is used to comply with paragraph (b)(1) of this section, either in total or in part, each owner or operator shall operate and maintain the equipment according to the manufacturer's specifications or locally prepared operating procedures. During periods of malfunctions of such equipment, each owner or operator may use substitute materials during the repair period provided the substitute materials used are those available that minimize organic HAP emissions. In no event shall substitute materials be used for more than 15 days annually, unless such materials are organic HAP-free. (b)(3) Each owner or operator of a new or existing de-painting operation shall not, on an annual average basis, use more than 26 gallons of organic HAP-containing chemical strippers or alternatively 190 pounds of organic HAP per commercial aircraft de-painted; or more than 50 gallons of organic HAP-containing chemical strippers or alternatively 365 pounds of organic HAP per military aircraft de-painted for spot stripping and decal removal.
E.23	(b)(4) Each owner or operator of a new or existing de-painting operation complying with paragraph (b)(2), that generates airborne inorganic HAP emissions from dry media blasting equipment, shall also comply with the requirements specified in paragraphs (b)(4)(i) through (b)(4)(v) of this section. (b)(4)(i) Perform the de-painting operation in an enclosed area, unless a closed-cycle de-painting system is used. (b)(4)(ii)(A) For existing sources pass any air stream removed from the enclosed area or closed-cycle de-painting system through a dry particulate filter system, certified using the method described in §63.750(o) to meet or exceed the efficiency data points in Tables 1 and 2 of §63.745, through a baghouse, or through a water wash system before exhausting it to the atmosphere. (b)(4)(ii)(B) For new sources pass any air stream removed from the enclosed area or closed-cycle de-painting system through a dry particulate filter system certified using the method described in §63.750(o) to meet or exceed the efficiency data points in Tables 3 and 4 of §63.745 or through a baghouse before exhausting it to the atmosphere. (b)(4)(ii)(C) Owners or operators of new sources that have commenced construction or reconstruction after June 6, 1994 but prior to October 29, 1996 may comply with the following requirements in lieu of the requirements in paragraph (b)(4)(ii)(B) of this section: (b)(4)(ii)(C)(*1*) Pass the air stream through either a two-stage dry particulate filter system or a water wash system before exhausting it to the atmosphere.

E. NESHAP – CONDITIONS

Condition Number	Conditions
	(b)(4)(ii)(C)(*2*) If the coating being removed contains chromium or cadmium, control shall consist of a HEPA filter system, three-stage filter system, or other control system equivalent to the three-stage filter system as approved by the permitting agency. (b)(4)(iii) If a dry particulate filter system is used, the following requirements shall be met: (b)(4)(iii)(A) Maintain the system in good working order; (b)(4)(iii)(B) Install a differential pressure gauge across the filter banks; (b)(4)(iii)(C) Continuously monitor the pressure drop across the filter, and read and record the pressure drop once per shift; and (b)(4)(iii)(D) Take corrective action when the pressure drop exceeds or falls below the filter manufacturer's recommended limits. (b)(4)(iv) If a water wash system is used, continuously monitor the water flow rate, and read and record the water flow rate once per shift. (b)(4)(v) If the pressure drop, as recorded pursuant to §63.752(e)(7), is outside the limit(s) specified by the filter manufacturer or in locally prepared operating procedures, whichever is more stringent, shut down the operation immediately and take corrective action. If the water path in the water wash system fails the visual continuity/flow characteristics check, as recorded pursuant to §63.752(e)(7), or the water flow rate, as recorded pursuant to §63.752(d)(2), exceeds the limit(s) specified by the booth manufacturer or in locally prepared operating procedures, or the booth manufacturer's or locally prepared maintenance procedures for the filter or water wash system have not been performed as scheduled, shut down the operation immediately and take corrective action. The operation shall not be resumed until the pressure drop or water flow rate is returned within the specified limit(s). (b)(5) Mechanical and hand sanding operations are exempt from the requirements in paragraph (b)(4) of this section.
E.24	40 CFR §63.752 Recordkeeping Requirements. (e) *De-painting operations*. Each owner or operator subject to the de-painting standards specified in §63.746 shall record the information specified in paragraphs (e)(1) through (e)(7) of this section, as appropriate. (e)(1) General. For all chemical strippers used in the de-painting operation: (e)(1)(i) The name of each chemical stripper; and (e)(1)(ii) Monthly volumes of each organic HAP containing chemical stripper used or monthly weight of organic HAP-material used for spot stripping and decal removal. (e)(4) For each type of aircraft de-painted at the facility, a listing of the parts, subassemblies, and

E. NESHAP – CONDITIONS

Condition Number	Conditions
	assemblies normally removed from the aircraft before de-painting. Prototype, test model or aircraft that exist in low numbers (i.e., less than 25 aircraft of any one type) are exempt from this requirement. (e)(5) *Non-chemical based equipment*. If dry media blasting equipment is used to comply with the organic HAP emission limit specified in §63.746(b)(1): (e)(5)(i) The names and types of non-chemical based equipment; and (e)(5)(ii) For periods of malfunction, (e)(5)(ii)(A) The non-chemical method or technique that malfunctioned; (e)(5)(ii)(B) The date that the malfunction occurred; (e)(5)(ii)(C) A description of the malfunction; (e)(5)(ii)(D) The methods used to de-paint aerospace vehicles during the malfunction period; (e)(5)(ii)(E) The dates that these methods were begun and discontinued; and (e)(5)(ii)(F) The date that the malfunction was corrected. (e)(6) *Spot stripping and decal removal*. For spot stripping and decal removal, the volume of organic HAP-containing chemical stripper or weight of organic HAP used, the annual average volume of organic HAP-containing chemical stripper or weight of organic HAP used per aircraft, the annual number of aircraft stripped, and all data and calculations used. (e)(7) *Inorganic HAP emissions*. Each owner or operator shall record the actual pressure drop across the particulate filters or the visual continuity of the water curtain and water flow rate for conventional water wash systems once each shift in which the de-painting process is in operation. For pumpless water wash systems, the owner or operator shall record the parameter(s) recommended by the booth manufacturer that indicate the performance of the booth once per shift in which the de-painting process is in operation. This log shall include the acceptable limit(s) of the pressure drop as specified by the filter manufacturer, the visual continuity of the water curtain and the water flow rate for conventional water wash systems, or the recommended parameter(s) that indicate the booth performance for pumpless systems as specified by the booth manufacturer or in locally prepared operating procedures.
E.25	40 CFR §63.753 Reporting Requirements. (d) *De-painting operation*. Each owner or operator of a de-painting operation subject to this subpart shall submit the following information: (d)(1) Semiannual reports occurring every 6 months from the date of the notification of compliance status that identify:

E. NESHAP – CONDITIONS

Condition Number	Conditions
	(d)(1)(i) Any 24-hour period where organic HAP were emitted from the de-painting of aerospace vehicles, other than from the exempt operations listed in §63.746(a), (b)(3), and (b)(5). (d)(1)(ii) Any new chemical strippers used at the facility during the reporting period; (d)(1)(iii) The organic HAP content of these new chemical strippers; (d)(1)(iv) For each chemical stripper that undergoes reformulation, its organic HAP content; (d)(1)(v) Any new non-chemical de-painting technique in use at the facility since the notification of compliance status or any subsequent semiannual report was filed; (d)(1)(vi) For periods of malfunctions: (d)(1)(vi)(A) The non-chemical method or technique that malfunctioned; (d)(1)(vi)(B) The date that the malfunction occurred; (d)(1)(vi)(C) A description of the malfunction; (d)(1)(vi)(D) The methods used to de-paint aerospace vehicles during the malfunction period; (d)(1)(vi)(E) The dates that these methods were begun and discontinued; and (d)(1)(vi)(F) The date that the malfunction was corrected; (d)(1)(vii) All periods where a nonchemical de-painting operation subject to §63.746(b)(2) and (b)(4) for the control of inorganic HAP emissions was not immediately shut down when the pressure drop, water flow rate, or recommended booth parameter(s) was outside the limit(s) specified by the filter or booth manufacturer or in locally prepared operational procedures; (d)(1)(viii) A list of new and discontinued aircraft models de-painted at the facility over the last 6 months and a list of the parts normally removed for de-painting for each new aircraft model being de-painted; and (d)(1)(ix) If the de-painting operation has been in compliance for the semiannual period, a statement signed by a responsible company official that the operation was in compliance with the applicable standards.
E.26	(d)(2) Annual reports occurring every 12 months from the date of the notification of compliance status that identify: (d)(2)(i) The average volume per aircraft of organic HAP-containing chemical strippers or weight of organic HAP used for spot stripping and decal removal operations if it exceeds the limits specified in §63.746(b)(3); and (d)(2)(ii) The number of times the pressure drop limit(s) for each filter system or the number of times the water flow rate limit(s) for each water wash system were outside the limit(s) specified by the filter

E. NESHAP – CONDITIONS

Condition Number	Conditions
	or booth manufacturer or in locally prepared operating procedures.
E.27	40 CFR §63.751 Monitoring Requirements. (d) *Particulate filters and water wash booths—de-painting operations*. Each owner or operator using a dry particulate filter or a conventional water wash system in accordance with the requirements of §63.746(b)(4) shall, while de-painting operations are occurring, continuously monitor the pressure drop across the particulate filters or the water flow rate through the conventional water wash system and read and record the pressure drop or the water flow rate once per shift following the recordkeeping requirements of §63.752(e).
E.28	40 CFR §63.748 Standards: Handling And Storage Of Waste. (a) The owner or operator of each facility subject to this subpart that produces a waste that contains organic HAP from aerospace primer, topcoat, specialty coating, chemical milling maskant, or chemical de-painting operations must be handled and stored as specified in paragraph (a)(1) or (a)(2) of this section. The requirements of paragraphs (a)(1) and (a)(2) of this section do not apply to spent wastes that contain organic HAP that are subject to and handled and stored in compliance with 40 CFR parts 262 through 268 (including the air emission control requirements in 40 CFR part 265, subpart CC). (a)(1) Conduct the handling and transfer of the waste to or from containers, tanks, vats, vessels, and piping systems in such a manner that minimizes spills. (a)(2) Store all waste that contains organic HAP in closed containers.
E.29	40 CFR §63.752 Recordkeeping Requirements. (a) *General.* Each owner or operator of a source subject to this subpart shall fulfill all recordkeeping requirements specified in §63.10(a), (b), (d), and (f), except §63.10(b)(2)(i), (iv) and (v). Each owner or operator must also record and maintain according to §63.10(b)(1) the information specified in paragraph (a)(1) through (3) of this section. (a)(1) In the event that an affected unit fails to meet an applicable standard, record the number of failures. For each failure record the date, time, and duration of each failure. (a)(2) For each failure to meet an applicable standard, record and retain a list of the affected sources or equipment, an estimate of the quantity of each regulated pollutant emitted over any emission limit and a description of the method used to estimate the emissions. (a)(3) Record actions taken to minimize emissions in accordance with §63.743(e), and any corrective actions taken to return the affected unit to its normal or usual manner of operation.
E.30	The facility is allowed a touch-up coating on small areas (Maximum up to 6 ft^2 of area) of the aircraft without being constrained to a particular type of application method. However, this does not allow the facility to freely use the touch up and repair operation exemption to recoat an entire aircraft on the flight line without using controls. Touch up and repair operation means that portion of the coating operation that is the incidental application of coating used to cover minor imperfections in the

E. NESHAP – CONDITIONS

Condition Number	Conditions
	coating finish or to achieve complete coverage. Touch-up and repair operation definition includes out-of-sequence coating.
E.31	This facility is subject to the provisions of 40 CFR Part 63, National Emission Standards for Hazardous Air Pollutants, Subparts A and Subpart GG (Aerospace Manufacturing and Rework Facilities). Existing affected sources shall comply with the applicable provisions of Subparts A and GG no later than September 1, 1998 unless otherwise noted. Any new affected sources shall comply with the requirements of these Subparts upon initial start-up unless otherwise noted. As permitted in 40 CFR §63.743(a)(4), a request for extension of compliance was submitted to DES on March 16, 1998. In this extension request, LMAC requested a one-year extension to the original NESHAP compliance date, from September 1, 1998 to September 1, 1999. A written notification from DES was not provided to LMAC within 60 days of the submittal of the request; therefore, in accordance with 40 CFR §63.743(a)(5)(ii), the compliance date for the LMAC facility is September 1, 1999. Each owner or operator of a specialty coating application operation or handling and storage of waste operation that is existing on February 17, 2015, shall be in compliance with the requirements of this subpart on or before December 7, 2018.

F. COMPLIANCE SCHEDULE - RESERVED

G. PERMIT SHIELD

Condition Number	Conditions
G.1	(S.C. Regulation 61-62.70.6.f) A copy of the "applicability determination" submitted with the Part 70 permit application is included as Attachment – Applicable and Non-Applicable Federal and State Regulations. With the exception of those listed below, compliance with the terms and conditions of this permit shall be deemed compliance with the applicable requirements specified in Attachment – Applicable and Non-Applicable Federal and State Regulations as of the date of permit issuance provided that such applicable requirements are included and are specifically identified in the permit. Exceptions to this are stated below in the Permit Shield Exceptions Table. The owner or operator shall also be shielded from the non-applicable requirements specified in Attachment – Applicable and Non-Applicable Federal and State Regulations. Exceptions to this are stated below in the Permit Shield Exceptions Table. This permit shield does not extend to applicable requirements which are promulgated after permit issuance, unless the permit has been appropriately modified to reflect such new requirements. Nothing in the permit shield or in any Part 70 permit shall alter or affect the provisions of Section 303

G. PERMIT SHIELD

Condition Number	Conditions
	of the Act, Emergency Orders, of the Clean Air Act; the liability of the owner or operator for any violation of applicable requirements prior to or at the time of permit issuance; the applicable requirements of the Acid Rain Program, consistent with Section 408.a of the Clean Air Act; or the ability of US EPA to obtain information from a source pursuant to Section 114 of the Clean Air Act. In addition, the permit shield shall not apply to emission units in noncompliance at the time of permit issuance, minor permit modifications (S.C. Regulation 61-62.70.7.e.2), group processing of minor permit modifications (S.C. Regulation 61-62.70.7.e.3), or operational flexibility (S.C. Regulation 61-62.70.7.e.5.i), except as specified in S.C. Regulation 61-62.70.7.e.5.iii.

Permit Shield Exceptions
S.C. Regulation 61-62.5 Standard No. 7, Prevention of Significant Deterioration
SC Regulation 61-62.5 Standard No. 7.1, Nonattainment New Source Review (NSR)
40 CFR 61 subpart A – General Provisions
40 CFR 61 – All Subparts
40 CFR 63 subpart A – General Provisions
40 CFR 63 – All Subparts
SC Regulation 61-62.1, Section II - Permit Requirements
SC Regulation 61-62.2 - Prohibition of Open Burning
SC Regulation 61-62.3 - Air Pollution Episodes
SC Regulation 61-62.4 - Hazardous Air Pollution Conditions
SC Regulation 61-62.6 - Control of Fugitive Particulate Matter
SC Regulation 61-86.1 - Standards of Performance for Asbestos Projects
40 CFR 61, Subpart M - National Emission Standard for Asbestos
SC Regulation 61-62.61, Subpart M - National Emission Standard for Asbestos

H. PERMIT FLEXIBILITY

Condition Number	Conditions
H.1	The facility may install, remove, and modify insignificant activities as defined in S.C. Regulation 61-62.70.5.c and exempt sources as listed in S.C. Regulation 61-62.1, Section II.B, without revising or reopening the Title V Operating Permit. A list of insignificant activities/exempt sources must be maintained on site, along with any necessary documentation to support the determination that the activity is insignificant and/or exempt, and shall be made available to a Department representative upon request. The list shall be submitted with the next renewal application.

I. AMBIENT AIR STANDARDS REQUIREMENTS

Condition Number	Conditions
I.1	Air dispersion modeling (or other method) has demonstrated that this facility's operation will not interfere with the attainment and maintenance of any state or federal ambient air standard. Any changes in the parameters used in this demonstration may require a review by the facility to determine continuing compliance with these standards. These potential changes include any decrease in stack height, decrease in stack velocity, increase in stack diameter, decrease in stack exit temperature, increase in building height or building additions, increase in emission rates, decrease in distance between stack and property line, changes in vertical stack orientation, and installation of a rain cap that impedes vertical flow. Parameters that are not required in the determination will not invalidate the demonstration if they are modified. The emission rates used in the determination are listed in Attachment - Emission Rates for Ambient Air Standards of this permit. Higher emission rates may be administratively incorporated into Attachment - Emission Rates for Ambient Air Standards of this permit provided a demonstration using these higher emission rates shows the attainment and maintenance of any state or federal ambient air quality standard or with any other applicable requirement. Variations from the input parameters in the demonstration shall not constitute a violation unless the maximum allowable ambient concentrations identified in the standard are exceeded. The owner/operator shall maintain this facility at or below the emission rates as listed in Attachment - Emission Rates for Ambient Air Standards, not to exceed the pollutant limitations of this permit. Should the facility wish to increase the emission rates listed in Attachment - Emission Rates for Ambient Air Standards, not to exceed the pollutant limitations in the body of this permit, it may do so by the administrative process specified above. This is a State Only enforceable requirement.

J. PERIODIC REPORTING SCHEDULE

Compliance Monitoring Report Submittal Frequency	Reporting Period (Begins on the effective date of the permit)	Report Due Date
Quarterly	January-March April-June July-September October-December	April 30 July 30 October 30 January 30
Semiannual	January-June April-September July-December October-March	July 30 October 30 January 30 April 30
Note: This reporting schedule does not supersede any federal reporting requirements including but not limited to 40 CFR Part 60, 40 CFR Part 61, and 40 CFR Part 63. All federal reports must meet the reporting time frames specified in the federal standard unless the Department or EPA approves a change.		

K. TITLE V COMPLIANCE CERTIFICATION REPORTING SCHEDULE

Title V Compliance Certification Submittal Frequency	Reporting Period (Begins on the effective date of the permit)	Report Due Date
Annual	January-December April-March July-June October-September	February 14 May 15 August 14 November 14

L. TITLE V RECORD KEEPING AND REPORTING REQUIREMENTS

Condition Number	Conditions
L.1	Reporting required in this permit, shall be submitted in a timely manner as directed in the Title V Periodic Reporting Schedule and the Title V Compliance Certification Reporting Schedule of this permit. All required reports must be certified by a responsible official consistent with S.C. Regulation 61-62.70.5.d.
L.2	All reports and notifications required under this permit shall be submitted to the person indicated in the specific condition at the following address: **2600 Bull Street** **Columbia, SC 29201** The contact information for the local Regional office can be found at: **http://www.des.sc.gov**
L.3	Unless elsewhere specified within this permit, all reports required under this permit shall be submitted to the Manager of the Technical Management Section, Bureau of Air Quality.
L.4	All Title V Annual Compliance Certifications shall be sent to the US EPA, Region 4, Air Enforcement Branch and to the Manager of the Technical Management Section, Bureau of Air Quality. **US EPA, Region 4** **Air Enforcement Branch** **61 Forsyth Street SW** **Atlanta, GA 30303**
L.5	(S.C. Regulation 61-62.70.6.a.3.ii) The owner or operator shall comply, where applicable, with the following monitoring/support information collection and retention record keeping requirements: 1. Records of required monitoring information shall include the following: a. The date, place as defined in the permit, and time of sampling or measurements; b. The date(s) analyses were performed; c. The company or entity that performed the analyses; d. The analytical techniques or methods used; e. The results of such analyses; and f. The operating conditions as existing at the time of sampling or measurement; 2. Records of all required monitoring data and support information shall be retained for a period of at least 5 years from the date of the monitoring sample, measurement, report, or

L. TITLE V RECORD KEEPING AND REPORTING REQUIREMENTS

Condition Number	Conditions
	application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.
L.6	(S.C. Regulation 61-62.1, Section II.J.1.c) For sources not required to have continuous emission monitors, any malfunction of air pollution control equipment or system, process upset, or other equipment failure which results in discharges of air contaminants lasting for one (1) hour or more and which are greater than those discharges described for normal operation in the permit application, shall be reported to the Department within twenty-four (24) hours after the beginning of the occurrence and a written report shall be submitted to the Department within thirty (30) days. The written report shall include, at a minimum, the following: 1. The identity of the stack and/or emission point where the excess emissions occurred; 2. The magnitude of excess emissions expressed in the units of the applicable emission limitation and the operating data and calculations used in determining the excess emissions; 3. The time and duration of excess emissions; 4. The identity of the equipment causing the excess emissions; 5. The nature and cause of such excess emissions; 6. The steps taken to remedy the malfunction and the steps taken or planned to prevent the recurrence of such malfunction; 7. The steps taken to limit the excess emissions; and, 8. Documentation that the air pollution control equipment, process equipment, or processes were at all times maintained and operated, to the maximum extent practicable, in a manner consistent with good practice for minimizing emissions. The initial twenty-four (24) hour notification should be made to the Department's local Regional office. The written report should be sent to the Manager of the Technical Management Section, Bureau of Air Quality and the local Regional office.
L.7	(S.C. Regulation 61-62.70.6.c.5.iii) The responsible official shall certify, annually, compliance with the conditions of this permit as required under S.C. Regulation 61-62.70.6.c. The compliance certification shall include the following: 1. The identification of each term or condition of the permit that is the basis of the certification. 2. The identification of the method(s) or means used by the owner or operator for determining the compliance status with each term and condition of the permit during the certification period. 3. The status of compliance with the terms and conditions of the permit for the period covered by the certification, including whether compliance during the period was continuous or intermittent. The certification shall be based on the method or means designated in S.C. Regulation 61-62.70.6.c.5.iii.B. The certification shall identify each deviation and take it into account in the compliance certification.

L. TITLE V RECORD KEEPING AND REPORTING REQUIREMENTS

Condition Number	Conditions
	4. Such other facts as the Department may require to determine the compliance status of the source.
L.8	(S.C. Regulation 61-62.1, Section II.M) Within 30 days of the transfer of ownership/operation of a facility, the current permit holder and prospective new owner or operator shall submit to the Director of Air Permitting a written request for transfer of the source operating or construction permits. The written request for transfer of the source operating or construction permit shall include any changes pertaining to the facility name and mailing address; the name, mailing address, and telephone number of the owner or operator for the facility; and any proposed changes to the permitted activities of the source. Transfer of the operating or construction permits will be effective upon written approval by the Department.

M. GENERAL FACILITY WIDE

Condition Number	Conditions
M.1	The owner or operator shall comply with S.C. Regulation 61-62.2 "Prohibition of Open Burning."
M.2	The owner or operator shall comply with S.C. Regulation 61-62.3 "Air Pollution Episodes."
M.3	The owner or operator shall comply with S.C. Regulation 61-62.4 "Hazardous Air Pollution Conditions."
M.4	The owner or operator shall comply with S.C. Regulation 61-62.6 "Control of Fugitive Particulate Matter", Section III "Control of Fugitive Particulate Matter Statewide."
M.5	The owner or operator shall comply with the standards of performance for asbestos abatement operations pursuant to 40 CFR Part 61.145, including, but not limited to, requirements governing training, licensing, notification, work practice, cleanup, and disposal.
M.6	The owner or operator shall comply with the standards of performance for asbestos abatement operations pursuant to S.C. Regulation 61-86.1, including, but not limited to, requirements governing training, licensing, notification, work practice, cleanup, and disposal.
M.7	The owner or operator shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, Protection of Stratospheric Ozone, Recycling and Emissions Reduction, except as provided for motor vehicle air conditioners (MVACs) in Subpart B. If the owner or operator performs a service on motor (fleet) vehicles that involves ozone-depleting substance refrigerant in MVACs, the owner or operator is subject to all applicable requirements of 40 CFR Part 82, Subpart B, Servicing of MVACs.
M.8	(S.C. Regulation 61-62.70.6.a.5) The provisions of this permit are severable, and if any provision of this permit, or application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.
M.9	(S.C. Regulation 61-62.70.6.a.6.i) The owner or operator must comply with all of the conditions of this permit. Any permit noncompliance constitutes a violation of the S.C. Pollution Control Act and/or the Federal Clean Air Act and is grounds for enforcement action; for permit termination, revocation and

M. GENERAL FACILITY WIDE

Condition Number	Conditions
	reissuance, or modification; or for denial of permit renewal application.
M.10	(S.C. Regulation 61-62.70.6.a.6.ii) It shall not be a defense for an owner or operator in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
M.11	(S.C. Regulation 61-62.70.6.a.6.iii) The permit may be modified, revoked, reopened and reissued, or terminated for cause by the Department. The filing of a request by the owner or operator for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.
M.12	(S.C. Regulation 61-62.70.6.a.6.iv) The permit does not convey any property rights of any sort, or any exclusive privilege.
M.13	(S.C. Regulation 61-62.70.6.a.6.v) The owner or operator shall furnish to the Department, within a reasonable time, any information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the owner or operator shall also furnish to the Department copies of records required to be kept by the permit or, for information claimed to be confidential, the owner or operator may furnish such records directly to the Administrator along with a claim of confidentiality. The Department may also request that the owner or operator furnish such records directly to the Administrator along with a claim of confidentiality.
M.14	(S.C. Regulation 61-62.70.6.a.8) No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.
M.15	(S.C. Regulation 61-62.70.6.c.2) Upon presentation of credentials and other documents as may be required by law, the owner or operator shall allow the Department or an authorized representative to perform the following: 1. Enter upon the owner or operator's premises where a Part 70 source is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit. 2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. 3. Inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit. 4. As authorized by the Act and/or the S.C. Pollution Control Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.
M.16	(S.C. Regulation 61-62.70.6.g) In the case of an emergency, as defined in S.C. Regulation 61-62.70.6.g.1, the owner or operator shall demonstrate an affirmative defense of emergency through properly signed, contemporaneous operating logs, or other relevant evidence that: 1. An emergency occurred and that the owner or operator can identify the cause(s) of the emergency; 2. The permitted facility was at the time being properly operated; and 3. During the period of the emergency the owner or operator took all reasonable steps to

M. GENERAL FACILITY WIDE

Condition Number	Conditions
	minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and 4. The owner or operator shall submit verbal notification of the emergency to the Department within twenty-four (24) hours of the time when emission limitations were exceeded, followed by written notifications within thirty (30) days. This notice fulfills the requirement of S.C. Regulation 61-62.70.6.a.3.iii.B. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken. This provision is in addition to any emergency or upset provision contained in any applicable requirement. In any enforcement proceeding, the owner or operator seeking to establish the occurrence of an emergency has the burden of proof.
M.17	(S.C. Regulation 61-62.70.6.a.1.ii) Where an applicable requirement of the Act is more stringent than an applicable requirement of regulations promulgated under Title IV of the Act, both provisions shall be incorporated into the permit and shall be enforceable by the Administrator.
M.18	(S.C. Regulation 61-62.70.6.a.4) According to S.C. Regulation 61-62.70.6.a.4, the owner or operator is prohibited from emissions exceeding any allowances that the source lawfully holds under Title IV of the Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by a source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowances shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Act.
M.19	(S.C. Regulation 61-62.70.7.c.1.ii) Permit expiration terminates the source's right to operate unless a timely and complete renewal application has been submitted consistent with S.C. Regulation 61-62.70.5.a.1.iii, 62.70.5.a.2.iv, and 62.70.7.b. In this case, the permit shall not expire until the renewal permit has been issued or denied. All terms and conditions of the permit including any permit shield that may be granted pursuant to S.C. Regulation 61-62.70.6.f shall remain in effect until the renewal permit has been issued or denied.
M.20	Requests for permit modification and amendments shall be submitted on the appropriate Department approved Title V Modification Form(s).
M.21	(S.C. Regulation 61-62.70.6.a.7) The owners or operators of Part 70 sources shall pay fees to the Department consistent with the fee schedule approved pursuant to S.C. Regulation 61-62.70.9. Failure to pay applicable fee can be considered grounds for permit revocation.
M.22	(S.C. Regulation 61-62.1, Section III) The owners or operators of Part 70 sources shall complete and submit a new updated emissions inventory consistent with the schedule approved pursuant to S.C. Regulation 61-62.1, Section III. These Emissions Inventory Reports shall be submitted to the Manager of the Emissions Inventory Section, Bureau of Air Quality. This requirement notwithstanding, an emissions inventory may be required at any time in order to determine the compliance status of any facility.
M.23	This permit expressly incorporates insignificant activities. Emissions from these activities shall be

M. GENERAL FACILITY WIDE

Condition Number	Conditions
	included in the emissions inventory submittals as required by S.C. Regulation 61-62.1, Section III.B.2.g.
M.24	(S.C. Regulation 61-62.1, Section II.J.1.a) No applicable law, regulation, or standard will be contravened.
M.25	(S.C. Regulation 61-62.1, Section II.J.1.e) Any owner or operator who constructs or operates a source or modification not in accordance with the application submitted pursuant to S.C. Regulation 61-62.1 or with the terms of any approval to construct, or who commences construction after the effective date of S.C. Regulation 61-62.1 without applying for and receiving approval hereunder, shall be subject to enforcement action.

ATTACHMENT - Emission Rates for Ambient Air Standards

Lockheed Martin Aeronautics Company
TV-1200-0149 v1.2
Page 1 of 3

The emission rates listed herein are not considered enforceable limitations but are used to evaluate ambient air quality impact. Until the Department makes a determination that a facility is causing or contributing to an exceedance of a state or federal ambient air quality standard, increases to these emission rates are not in themselves considered violations of these ambient air quality standards (see Ambient Air Standards Requirements).

AMBIENT AIR QUALITY STANDARDS – STANDARD NO. 2						
Emission Point ID	**Emission Rates (lbs/hr)**					
	PM_{10}	**$PM_{2.5}$**	**SO_2**	**NO_X**	**CO**	**Lead**
1305W – Oil Fired Heater	0.0357	-	1.0079	0.3571	0.0889	-
1305E – Oil Fired Heater	0.0357	-	1.0079	0.3571	0.0889	-
1306W – Oil Fired Heater	0.0357	-	1.0079	0.3571	0.0889	-
1306E – Oil Fired Heater	0.0357	-	1.0079	0.3571	0.0889	-
1307E – Oil Fired Heater	0.0357	-	1.0079	0.3571	0.0889	-
1307W – Oil Fired Heater	0.0357	-	1.0079	0.3571	0.0889	-
1042W – Oil Fired Heater	0.0357	-	1.0079	0.3571	0.0889	-
1042E – Oil Fired Heater	0.0357	-	1.0079	0.3571	0.0889	-
1043W – Oil Fired Heater	0.0357	-	1.0079	0.3571	0.0889	-
1043E – Oil Fired Heater	0.0357	-	1.0079	0.3571	0.0889	-
19E1 – Primer Paint Spray Room	0.00635	-	---	---	---	-
BOIL2 – Boiler #2	0.0452	-	1.2619	0.4460	0.1119	-
BOIL3 – Boiler #3	0.0452	-	1.2619	0.4460	0.1119	-
09E1 – Hangar 11 Wood Forming	0.000794	-	-	-	-	-
08E1 – Hangar 11 Small Parts Paint Spray Booth	0.0492	-	-	-	-	1.1073
1016S – Oil Fired Heater	0.0357	-	1.0079	0.3571	0.0889	-
1016N – Oil Fired Heater	0.0357	-	1.0079	0.3571	0.0889	-
1017S – NG Fired Heater	0.0357	-	1.0079	0.3571	0.0889	-
1017N – Oil Fired Heater	0.0190	-	0.00159	0.2381	0.2103	-
1018S – Oil Fired Heater	0.0357	-	1.0079	0.3571	0.0889	-
1018N – Oil Fired Heater	0.0357	-	1.0079	0.3571	0.0889	-
01E1 – NG Fired Heaters (3)	0.1024	-	0.00714	1.357	1.111	-
01E2 – NG Fired Heaters (2)	0.0683	-	0.00476	0.9000	0.7540	-
03E1 – Hangar 5 Small Parts Paint Spray Booth	0.0492	-	-	-	-	1.1073
1024EF1 – NG Fired Heater	0.0190	-	0.00159	0.2500	0.2103	-
1024EF2 – NG Fired Heater	0.0190	-	0.00159	0.2500	0.2103	-
1024EF3 – NG Fired Heater	0.0190	-	0.00159	0.2500	0.2103	-
1024EF4 – NG Fired Heater	0.0190	-	0.00159	0.2500	0.2103	-
1041W – NG Fired Heater	0.0190	-	0.00159	0.2381	0.2103	-
1041E – NG Fired Heater	0.0190	-	0.00159	0.2381	0.2103	-

ATTACHMENT - Emission Rates for Ambient Air Standards

Lockheed Martin Aeronautics Company
TV-1200-0149 v1.2
Page 2 of 3

AMBIENT AIR QUALITY STANDARDS – STANDARD NO. 2						
Emission Point ID	**Emission Rates (lbs/hr)**					
	PM_{10}	**$PM_{2.5}$**	**SO_2**	**NO_X**	**CO**	**Lead**
1046W – NG Fired Heater	0.0190	-	0.00159	0.2381	0.2103	-
1046E – NG Fired Heater	0.0357	-	1.0079	0.3571	0.0889	-
SLUD – NG Fired Sludge Dryer	0.00873	-	0.000794	0.1198	0.1008	-
1053PB – Building 1053	0.00300	-	-	-	-	-
1052S – Building 1052 Paint Spray Booth	0.0357	-	-	-	-	-
1052N – Panel Shop Dust Collector	0.0357	-	-	-	-	-
1034B – Hangar 15, Large Bay	0.5341	-	0.00397	0.5000	0.4206	11.073
1034C – Hangar 15, Small Bay	0.5341	-	0.00397	0.5000	0.4206	11.073
E-H01	--	--	--	--	--	1.94E-07
E-H02	--	--	--	--	--	1.94E-07
E-H03	--	--	--	--	--	1.94E-07
E-H04	--	--	--	--	--	1.94E-07
E-H05	--	--	--	--	--	1.94E-07
E-H07	--	--	--	--	--	1.94E-07
E-H08	--	--	--	--	--	1.94E-07
E-H09	--	--	--	--	--	1.94E-07
E-H10	--	--	--	--	--	1.94E-07
E-H11	--	--	--	--	--	1.94E-07
E-H12	--	--	--	--	--	1.94E-07
E-H13	--	--	--	--	--	1.94E-07
E-H14	--	--	--	--	--	1.94E-07
E-H15FUG	1.24	0.60	**--**	**--**	**--**	**--**
E-H15AC	0.17	0.17	--	--	--	--
E-H15N	0.5341	0.5341	--	--	--	1.94E-07
E-H15S	0.5341	0.5341	--	--	--	--
E-H16	0.007	0.007	--	--	--	1.94E-07
Small Parts Painting (SP02)	0.0357	0.0357	--	--	--	--

TOXIC AIR POLLUTANTS – STANDARD NO. 8				
Emission Point ID	**Emission Rates (lbs/hr)**			
	Chromium (+6) Compounds	**Mercury**	**Hexamethylene Diisocyanate**	**MIBK**
	N/A	**7439976**	**822060**	**108101**
08E1 – Hangar 11 Small Parts Paint Spray Booth	1.556e-2	1.587e-4	7.143e-4	7.865e-2

ATTACHMENT - Emission Rates for Ambient Air Standards

Lockheed Martin Aeronautics Company
TV-1200-0149 v1.2
Page 3 of 3

TOXIC AIR POLLUTANTS – STANDARD NO. 8				
Emission Point ID	**Emission Rates (lbs/hr)**			
	Chromium (+6) Compounds	**Mercury**	**Hexamethylene Diisocyanate**	**MIBK**
	N/A	**7439976**	**822060**	**108101**
03E1 – Hangar 5 Small Parts Paint Spray Booth	1.556e-2	1.587e-4	7.143e-4	7.865e-2
1034B – Hangar 15, Large Bay	1.556e-1	1.587e-3	7.143e-3	7.865e-1
1034C – Hangar 15, Small Bay	1.556e-1	1.587e-3	7.143e-3	7.865e-1
1024EF1 – NG Fired Heater	---	---	---	---
1024EF2 – NG Fired Heater	---	---	---	---
1024EF3 – NG Fired Heater	---	---	---	---
1024EF4 – NG Fired Heater	---	---	---	---

TOXIC AIR POLLUTANTS – STANDARD NO. 8				
Emission Point ID	**Emission Rates (lbs/hr)**			
	Ethylene Glycol	**Naphthalene**	---	---
	107211	**91-20-3**	---	---
1024EF1 – NG Fired Heater	2.635e-1	---	---	---
1024EF2 – NG Fired Heater	2.635e-1	---	---	---
1024EF3 – NG Fired Heater	2.635e-1	---	---	---
1024EF4 – NG Fired Heater	2.635e-1	---	---	---
IA-CX	---	5.71E-05	---	---
IA-DY	---	3.42E-06	---	---

TOXIC AIR POLLUTANTS - STANDARD NO. 8		
POLLUTANT	**CAS NUMBER**	**Facility Wide Emission Rates (lbs/day)**
Benzene	71432	0.0000488
Cadmium	7440439	0.000000932
Ethyl Benzene	100414	0.548
Formaldehyde	50000	0.000263
Manganese Compounds	+	0.164
Methyl Ethyl Ketone(2-Butone)	78933	30.2
Toluene	108883	15.0
Xylene	1330207	17.2

ATTACHMENT – Applicable and Non-Applicable Federal and State Regulations

Lockheed Martin Aeronautics Company
TV-1200-0149 v1.2
Page 1 of 9

The following contains the Federal and South Carolina air pollution regulations and their applicability, as specified in the Part 70 permit application.

APPLICABILITY DETERMINATION		
Citation	**Regulation**	**Applicable (Yes / No)**
SC Regulation 61-62.1	Definitions and General Requirements	Y
SC Regulation 61-62.2	Prohibition of Open Burning	Y
SC Regulation 61-62.3	Air Pollution Episodes	N
SC Regulation 61-62.4	Hazardous Air Pollution Conditions	Y
SC Regulation 61-62.5, Std. No. 1	Emissions from Fuel Burning Operations	Y
SC Regulation 61-62.5, Std. No. 2	Ambient Air Quality Standards	Y
SC Regulation 61-62.5, Std. No. 3	Waste Combustion and Reduction	N
SC Regulation 61-62.5, Std. No. 3.1	Hospital, Medical, Infectious Waste Incinerators (HMIWI)	N
SC Regulation 61-62.5, Std. No. 4	Emissions from Process Industries	Y
SC Regulation 61-62.5, Std. No. 5	Volatile Organic Compounds	N
SC Regulation 61-62.5, Std. No. 5.2	Control of Oxides of Nitrogen (NOx)	N
SC Regulation 61-62.5, Std. No. 6	Alternative Emission Limitation Options	N
SC Regulation 61-62.5, Std. No. 7	Prevention of Significant Deterioration	N
SC Regulation 61-62.5, Std. No. 7(II)	Prevention of Significant Deterioration Minor Source Increment Analysis	Y
SC Regulation 61-62.5, Std. No. 7.1	Prevention of Significant Deterioration– Nonattainment New Source Review	N
SC Regulation 61-62.5, Std. No. 8	Toxic Air Pollutants	Y
SC Regulation 61-62.6	Control of Fugitive Particulate Matter	Y
SC Regulation 61-62.7	Good Engineering Practice Stack Height	Y
SC Regulation 61-62.60	SC Designated Facility Plan and NSPS	N
SC Regulation 61-62.63	National Emission Standards for Hazardous Air Pollutants	Y
SC Regulation 61-62.68	Chemical Accident Prevention Provisions	N
SC Regulation 61-62.70	Title V Operating Permit Program	Y
SC Regulation 61-62.72	Acid Rain	N
SC Regulation 61-62.96	NO_x Budget Trading Program	N
SC Regulation 61-62.99	NO_x Budget Trading Program Requirements for Stationary Sources Not in the Trading Program	N
40 CFR 60 subpart A	General Provisions	N
40 CFR 60 subpart B	Adoption and Submittal of State Plans for Designated Facilities	N
40 CFR 60 subpart C	Emission Guidelines and Compliance Times	N
40 CFR 60 subpart Cb	Emissions Guidelines and Compliance Times for Large Municipal Waste Combustors that are Constructed on or Before September 20, 1994	N

APPLICABILITY DETERMINATION		
Citation	**Regulation**	**Applicable (Yes / No)**
40 CFR 60 subpart Cc	Emission Guidelines and Compliance Times for Municipal Solid Waste Landfills	N
40 CFR 60 subpart Cd	Emissions Guidelines and Compliance Times for Sulfuric Acid Production Units	N
40 CFR 60 subpart Ce	Emission Guidelines and Compliance Times for Hospital/Medical/Infectious Waste Incinerators	N
40 CFR 60 subpart D	Fossil-Fuel-Fired Steam Generators for Which Construction is Commenced After August 17, 1971	N
40 CFR 60 subpart Da	Electric Utility Steam Generating Units for Which Construction is Commenced After September 18, 1978	N
40 CFR 60 subpart Db	Industrial-Commercial-Institutional Steam Generating Units	N
40 CFR 60 subpart Dc	Small Industrial-Commercial-Institutional Steam Generating Units	N
40 CFR 60 subpart E	Incinerators	N
40 CFR 60 subpart Ea	Municipal Waste Combustors for Which Construction is Commenced After December 20, 1989 and on or Before September 20, 1994	N
40 CFR 60 subpart Eb	Large Municipal Waste Combustors for Which Construction is Commenced After September 20, 1994 or for Which Modification or Reconstruction is Commenced After June 19, 1996	N
40 CFR 60 subpart Ec	Hospital/Medical/Infectious Waste Incinerators for Which Construction is Commenced After June 20,1996	N
40 CFR 60 subpart F	Portland Cement Plants	N
40 CFR 60 subpart G	Nitric Acid Plants	N
40 CFR 60 subpart H	Sulfuric Acid Plants	N
40 CFR 60 subpart I	Hot Mix Asphalt Facilities	N
40 CFR 60 subpart J	Petroleum Refineries	N
40 CFR 60 subpart K	Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978	N
40 CFR 60 subpart Ka	Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984	N
40 CFR 60 subpart Kb	Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984	N
40 CFR 60 subpart L	Secondary Lead Smelters	N
40 CFR 60 subpart M	Secondary Brass and Bronze Production Plants	N

APPLICABILITY DETERMINATION		
Citation	**Regulation**	**Applicable (Yes / No)**
40 CFR 60 subpart N	Primary Emissions from Basic Oxygen Process Furnaces for Which Construction is Commenced After June 11,1973	N
40 CFR 60 subpart Na	Secondary Emissions from Basic Oxygen Process Steelmaking Facilities for Which Construction is Commenced After January 20,1983	N
40 CFR 60 subpart O	Sewage Treatment Plants	N
40 CFR 60 subpart P	Primary Copper Smelters	N
40 CFR 60 subpart Q	Primary Zinc Smelters	N
40 CFR 60 subpart R	Primary Lead Smelters	N
40 CFR 60 subpart S	Primary Aluminum Reduction Plants	N
40 CFR 60 subpart T	Phosphate Fertilizer Industry: Wet Process Phosphoric Acid Plants	N
40 CFR 60 subpart U	Phosphate Fertilizer Industry: Super Phosphoric Acid Plants	N
40 CFR 60 subpart V	Phosphate Fertilizer Industry: Diammonium Phosphate Plants	N
40 CFR 60 subpart W	Phosphate Fertilizer Industry: Triple Superphosphate Plants	N
40 CFR 60 subpart X	Phosphate Fertilizer Industry: Granular Triple Superphosphate Storage Facilities	N
40 CFR 60 subpart Y	Coal Preparation Plants	N
40 CFR 60 subpart Z	Ferroalloy Production Facilities	N
40 CFR 60 subpart AA	Steel Plants: Electric Arc Furnaces Constructed After October 21, 1974 and on or Before August 17, 1983	N
40 CFR 60 subpart AAa	Steel Plants: Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels Constructed After August 7, 1983	N
40 CFR 60 subpart BB	Kraft Pulp Mills	N
40 CFR 60 subpart CC	Glass Manufacturing Plants	N
40 CFR 60 subpart DD	Grain Elevators	N
40 CFR 60 subpart EE	Surface Coating of Metal Furniture	N
40 CFR 60 subpart GG	Stationary Gas Turbines	N
40 CFR 60 subpart HH	Lime Manufacturing Plants	N
40 CFR 60 subpart KK	Lead-Acid Battery Manufacturing Plants	N
40 CFR 60 subpart LL	Metallic Mineral Processing Plants	N
40 CFR 60 subpart MM	Automobile and Light Duty Truck Surface Coating Operations	N
40 CFR 60 subpart NN	Phosphate Rock Plants	N
40 CFR 60 subpart PP	Ammonium Sulfate Manufacture	N
40 CFR 60 subpart QQ	Graphic Arts Industry: Publication Rotogravure Printing	N
40 CFR 60 subpart RR	Pressure Sensitive Tape and Label Surface Coating Operations	N
40 CFR 60 subpart SS	Industrial Surface Coating: Large Appliances	N

APPLICABILITY DETERMINATION		
Citation	**Regulation**	**Applicable (Yes / No)**
40 CFR 60 subpart TT	Metal Coil Surface Coating	N
40 CFR 60 subpart UU	Asphalt Processing and Asphalt Roofing Manufacture	N
40 CFR 60 subpart VV	Equipment Leaks of VOC in the Synthetic Organic Chemicals Mfg. Industry	N
40 CFR 60 subpart WW	Beverage Can Surface Coating Industry	N
40 CFR 60 subpart XX	Bulk Gasoline Terminals	N
40 CFR 60 subpart AAA	New Residential Wood Heaters	N
40 CFR 60 subpart BBB	Rubber Tire Manufacturing Industry	N
40 CFR 60 subpart DDD	Volatile Organic Compound Emissions from the Polymer Manufacturing Industry	N
40 CFR 60 subpart FFF	Flexible Vinyl and Urethane Coating and Printing	N
40 CFR 60 subpart GGG	Equipment Leaks of VOC in Petroleum Refineries	N
40 CFR 60 subpart HHH	Synthetic Fiber Production Facilities	N
40 CFR 60 subpart III	Volatile Organic Compound Emissions from the Synthetic Organic Chemical Manufacturing Industry Air Oxidation Unit Processes	N
40 CFR 60 subpart JJJ	Petroleum Dry Cleaners	N
40 CFR 60 subpart KKK	Equipment Leaks of VOC from Onshore Natural Gas Processing Plants	N
40 CFR 60 subpart LLL	Onshore Natural Gas Processing: SO2 Emissions	N
40 CFR 60 subpart NNN	Volatile Organic Compound Emissions from Synthetic Organic Chemical Manufacturing Industry Distillation Operations	N
40 CFR 60 subpart OOO	Nonmetallic Mineral Processing Plants	N
40 CFR 60 subpart PPP	Wool Fiberglass Insulation Manufacturing Plants	N
40 CFR 60 subpart QQQ	VOC Emissions from Petroleum Refinery Wastewater Systems	N
40 CFR 60 subpart RRR	Volatile Organic Compound Emissions from Synthetic Organic Chemical Manufacturing Industry Reactor Processes	N
40 CFR 60 subpart SSS	Magnetic Tape Coating Facilities	N
40 CFR 60 subpart TTT	Industrial Surface Coating: Surface Coating of Plastic Parts for Business Machines	N
40 CFR 60 subpart UUU	Calciners and Dryers in Mineral Industries	N
40 CFR 60 subpart VVV	Polymeric Coating of Supporting Substrates Facilities	N
40 CFR 60 subpart WWW	Municipal Solid Waste Landfills	N
40 CFR 60 subpart AAAA	Small Municipal Waste Combustion Units After August 30, 1999 or for Which Modification or Reconstruction is Commenced After June 6, 2001	N

APPLICABILITY DETERMINATION		
Citation	**Regulation**	**Applicable (Yes / No)**
40 CFR 60 subpart BBBB	Emission Guidelines and Compliance Times for Small Municipal Waste Constructed on or Before August 30, 1999	N
40 CFR 60 subpart CCCC	Commercial and Industrial Solid Waste Incineration Units for Which Construction is Commenced After November 30, 1999 or for Which Modification or Reconstruction is Commenced on or After June 1, 2001	N
40 CFR 60 subpart DDDD	Emissions Guidelines and Compliance Times for Commercial and Industrial Solid Waste Incineration Units that Commenced Construction On or Before November 30, 1999	N
40 CFR 61 subpart A	General Provisions	N
40 CFR 61 subpart B	Radon Emissions from Underground Uranium Mines	N
40 CFR 61 subpart C	Beryllium	N
40 CFR 61 subpart D	Beryllium Rocket Motor Firing	N
40 CFR 61 subpart E	Mercury	N
40 CFR 61 subpart F	Vinyl chloride	N
40 CFR 61 subpart H	Radionuclides Other Than Radon From Department of Energy Facilities	N
40 CFR 61 subpart I	Radionuclide Emissions From Facilities Licensed by the Nuclear Regulatory Commission and Federal Facilities Not covered by Subpart H	N
40 CFR 61 subpart J	Equipment Leaks (Fugitive Emission Source) of Benzene	N
40 CFR 61 subpart K	Radionuclide Emissions From Elemental Phosphorus Plants	N
40 CFR 61 subpart L	Benzene Emissions From Coke By-Product Recovery Plants	N
40 CFR 61 subpart M	Asbestos	N
40 CFR 61 subpart N	Inorganic Arsenic Emissions From Glass Manufacturing Plants	N
40 CFR 61 subpart O	Inorganic Arsenic Emissions From Primary Copper Smelters	N
40 CFR 61 subpart P	Inorganic Arsenic Emissions From Arsenic Trioxide and Metallic Arsenic Production Facilities	N
40 CFR 61 subpart Q	Radon Emissions From Department of Energy Facilities	N
40 CFR 61 subpart R	Radon Emissions From Phosphogypsum Stacks	N
40 CFR 61 subpart T	Radon Emissions From the Disposal of Uranium Mill Tailings	N
40 CFR 61 subpart V	Equipment Leaks (Fugitive Emission Sources)	N
40 CFR 61 subpart W	Radon Emissions From Operating Mill Tailings	N
40 CFR 61 subpart Y	Benzene Emissions From Benzene Storage Vessels	N
40 CFR 61 subpart BB	Benzene Emissions From Benzene Transfer Operations	N
40 CFR 61 subpart FF	Benzene Waste Operations	N
40 CFR 63 subpart A	General Provisions	Y

APPLICABILITY DETERMINATION		
Citation	**Regulation**	**Applicable (Yes / No)**
40 CFR 63 subpart B	Requirements for Control Technology Determinations for Major Sources	N
40 CFR 63 subpart C	De-Listings	N
40 CFR 63 subpart D	Compliance Extensions for Early Reduction Sources	N
40 CFR 63 subpart E	Approval of State Programs and Delegation of Authority	N
40 CFR 63 subpart F	Synthetic Organic Chemical Manufacturing Industry, HON	N
40 CFR 63 subpart F	Tetrahydrobenzaldehyde Manufacture (Formerly Butadiene Dimers Production)	N
40 CFR 63 subpart G	Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater, HON	N
40 CFR 63 subpart H	Synthetic Organic Chemical Manufacturing Industry for Equipment Leaks, HON	N
40 CFR 63 subpart I	Synthetic Organic Chemical Manufacturing Industry for Certain Processes Subject to the Negotiated Regulation for Equipment Leaks, HON	N
40 CFR 63 subpart J	Polyvinyl Chloride and Copolymers Production	N
40 CFR 63 subpart L	Coke Ovens	N
40 CFR 63 subpart M	Dry Cleaning	N
40 CFR 63 subpart N	Chrome Electroplating	N
40 CFR 63 subpart O	Ethylene Oxide Commercial Sterilization Facilities	N
40 CFR 63 subpart Q	Industrial Process Cooling Towers	N
40 CFR 63 subpart R	Gasoline Distribution (Bulk Gasoline Terminals and Pipeline Breakout Stations), Stage I	N
40 CFR 63 subpart S	Pulp and Paper Cluster Rule	N
40 CFR 63 subpart T	Degreasing Organic Cleaners (Halogenated Solvent Cleaning)	N
40 CFR 63 subpart U	Polymers and Resins Group I	N
40 CFR 63 subpart W	Polymers and Resins Group II, Epoxy Resins Production and Non-Nylon Polyamides Production	N
40 CFR 63 subpart X	Secondary Lead Smelting	N
40 CFR 63 subpart Y	Marine Vessel Unloading Operations	N
40 CFR 63 subpart AA	Phosphoric Acid Manufacturing Plants	N
40 CFR 63 subpart BB	Phosphate Fertilizers	N
40 CFR 63 subpart CC	Petroleum Refineries	N
40 CFR 63 subpart DD	Off-Site Waste and Recovery Operations	N
40 CFR 63 subpart EE	Magnetic Tape Manufacturing	N
40 CFR 63 subpart FF	Benzene Waste Operations	N

APPLICABILITY DETERMINATION		
Citation	**Regulation**	**Applicable (Yes / No)**
40 CFR 63 subpart GG	Aerospace Manufacturing and Rework Facilities	Y
40 CFR 63 subpart HH	Oil and Gas Production Facilities	N
40 CFR 63 subpart II	Shipbuilding and Ship repair Facilities (Coating Operations)	N
40 CFR 63 subpart JJ	Wood Furniture Manufacturing Operations	N
40 CFR 63 subpart KK	Printing and Publishing	N
40 CFR 63 subpart LL	Primary Aluminum Reduction Plants	N
40 CFR 63 subpart MM	Chemical Recovery Combustion Sources at Kraft, Soda, Sulfite, and Stand Alone Semi-chemical Pulp Mills	N
40 CFR 63 subpart OO	Tanks- Level 1	N
40 CFR 63 subpart WW	Tanks - Level 2	N
40 CFR 63 subpart PP	Containers	N
40 CFR 63 subpart QQ	Surface Impoundments QQ	N
40 CFR 63 subpart RR	Individual Drain Systems	N
40 CFR 63 subpart SS	Closed Vent Systems, Control Devices, Recovery Devices and Routing to a Fuel Gas System or Process	N
40 CFR 63 subpart TT	Equipment Leaks-Control Level 1	N
40 CFR 63 subpart UU	Equipment Leaks-Control Level 2	N
40 CFR 63 subpart VV	Oil-Water Separators and Organic-Water Separators	N
40 CFR 63 subpart YY	Generic Maximum Achievable Control Technology (MACT) Standards	N
40 CFR 63 subpart CCC	Steel Pickling Facilities	N
40 CFR 63 subpart DDD	Mineral Wool Production	N
40 CFR 63 subpart EEE	Hazardous Waste Combustors	N
40 CFR 63 subpart GGG	Pharmaceuticals Production	N
40 CFR 63 subpart HHH	Natural Gas Transmission and Storage Facilities	N
40 CFR 63 subpart III	Flexible Polyurethane Foam Production	N
40 CFR 63 subpart JJJ	Polymers and Resins Group IV	N
40 CFR 63 subpart LLL	Portland Cement Manufacturing	N
40 CFR 63 subpart MMM	Pesticide Active Ingredients Production	N
40 CFR 63 subpart NNN	Wool Fiberglass Production	N
40 CFR 63 subpart OOO	Manufacture of Amino/Phenolic Resins	N
40 CFR 63 subpart PPP	Polyether Polyols Production	N
40 CFR 63 subpart QQQ	Primary Copper	N
40 CFR 63 subpart RRR	Secondary Aluminum Production	N
40 CFR 63 subpart TTT	Primary Lead Smelting	N
40 CFR 63 subpart UUU	Petroleum Refineries (catalytic cracking, catalytic reforming and sulfur plant units)	N

APPLICABILITY DETERMINATION		
Citation	**Regulation**	**Applicable (Yes / No)**
40 CFR 63 subpart VVV	Publicly Owned Treatment Works	N
40 CFR 63 subpart XXX	Ferroalloy Production	N
40 CFR 63 subpart AAAA	Municipal Solid Waste (MSW) Landfills	N
40 CFR 63 subpart CCCC	Manufacturing of Nutritional Yeast	N
40 CFR 63 subpart DDDD	Plywood and Composite Wood Products	N
40 CFR 63 subpart EEEE	Organic Liquids Distribution (non-gasoline)	N
40 CFR 63 subpart FFFF	Misc. Organic Chemical Manufacturing (MON)	N
40 CFR 63 subpart GGGG	Solvent Extraction for Vegetable Oil Production	N
40 CFR 63 subpart HHHH	Wetted Formed Fiberglass Mat Production	N
40 CFR 63 subpart IIII	Automobile and Light Duty Trucks (surface coating)	N
40 CFR 63 subpart JJJJ	Paper & Other Web Coatings (paper, plastic, film, foil, etc.)	N
40 CFR 63 subpart KKKK	Metal Cans (Surface Coating)	N
40 CFR 63 subpart MMMM	Misc. Metal Parts and Products (Surface Coating)	N
40 CFR 63 subpart NNNN	Large Appliance (surface coating)	N
40 CFR 63 subpart OOOO	Fabric Printing, Coating and Dyeing	N
40 CFR 63 subpart PPPP	Plastic Parts and Products (Surface Coating)	N
40 CFR 63 subpart QQQQ	Wood Building Products (surface coating)	N
40 CFR 63 subpart RRRR	Metal Furniture (surface coating)	N
40 CFR 63 subpart SSSS	Metal Coil (surface coating)	N
40 CFR 63 subpart TTTT	Leather Finishing Operations	N
40 CFR 63 subpart UUUU	Cellulose Production Manufacturing	N
40 CFR 63 subpart VVVV	Boat Manufacturing	N
40 CFR 63 subpart WWWW	Reinforced Plastics Composites Production	N
40 CFR 63 subpart XXXX	Tire Manufacturing	N
40 CFR 63 subpart YYYY	Combustion Turbines	N
40 CFR 63 subpart ZZZZ	Reciprocating Internal Combustion Engines (RICE)	Y
40 CFR 63 subpart AAAAA	Lime Manufacturing	N
40 CFR 63 subpart BBBBB	Semiconductor Manufacturing	N
40 CFR 63 subpart CCCCC	Coke Ovens: Pushing, Quenching and Battery Stacks	N
40 CFR 63 subpart DDDDD	Industrial, Commercial, and Institutional Boilers and Process Heaters	N
40 CFR 63 subpart EEEEE	Iron and Steel Foundries	N
40 CFR 63 subpart FFFFF	Integrated Iron and Steel	N
40 CFR 63 subpart GGGGG	Site Remediation	N
40 CFR 63 subpart HHHHH	Misc. Coating Manufacturing	N
40 CFR 63 subpart IIIII	Mercury Cell Chlor-Alkali Plants	N
40 CFR 63 subpart JJJJJ	Brick and Structural Clay Products Manufacturing	N

APPLICABILITY DETERMINATION		
Citation	**Regulation**	**Applicable (Yes / No)**
40 CFR 63 subpart KKKKK	Clay Ceramic Manufacturing	N
40 CFR 63 subpart LLLLL	Asphalt Roofing and Asphalt Processing	N
40 CFR 63 subpart MMMMM	Flexible Polyurethane Foam Fabrication Operation	N
40 CFR 63 subpart NNNNN	Hydrochloric Acid Production and Fumed Silica Production	N
40 CFR 63 subpart PPPPP	Engine Test Cells/Stands	N
40 CFR 63 subpart QQQQQ	Friction Materials Manufacturing	N
40 CFR 63 subpart RRRRR	Taconite Iron Ore Processing	N
40 CFR 63 subpart SSSSS	Refractory Products Manufacturing	N
40 CFR 63 subpart TTTTT	Primary Magnesium Refining	N
40 CFR 64	Compliance Assurance Monitoring	N
40 CFR 68	Risk Management Programs Under Section 112(r)	N