

FACILITY PERMIT TO OPERATE

**LIFOAM INDUSTRIES, LLC
2340 E 52ND ST
VERNON, CA 90058**

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR A COPY THEREOF MUST BE KEPT AT THE LOCATION FOR WHICH IT IS ISSUED.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT SHALL NOT BE CONSTRUED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF ANY OTHER FEDERAL, STATE OR LOCAL GOVERNMENTAL AGENCIES.

Barry R. Wallerstein, D. Env.
EXECUTIVE OFFICER

By _____
Mohsen Nazemi, P.E.
Deputy Executive Officer
Engineering & Compliance

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

TABLE OF CONTENTS

Section	Description	Revision #	Date Issued
A	Facility Information	DRAFT	11/05/2015
B	RECLAIM Annual Emission Allocation	DRAFT	11/05/2015
C	Facility Plot Plan	TO BE DEVELOPED	
D	Facility Description and Equipment Specific Conditions	DRAFT	11/05/2015
E	Administrative Conditions	DRAFT	11/05/2015
F	RECLAIM Monitoring and Source Testing Requirements	DRAFT	11/05/2015
G	Recordkeeping and Reporting Requirements for RECLAIM Sources	DRAFT	11/05/2015
H	Permit To Construct and Temporary Permit to Operate	DRAFT	11/05/2015
I	Compliance Plans & Schedules	DRAFT	11/05/2015
J	Air Toxics	DRAFT	11/05/2015
K	Title V Administration	DRAFT	11/05/2015
 Appendix			
A	NOx and SOx Emitting Equipment Exempt From Written Permit Pursuant to Rule 219	DRAFT	11/05/2015
B	Rule Emission Limits	DRAFT	11/05/2015

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION A: FACILITY INFORMATION

LEGAL OWNER &/OR OPERATOR: LIFOAM INDUSTRIES, LLC

LEGAL OPERATOR (if different than owner):

EQUIPMENT LOCATION: 2340 E 52ND ST
VERNON, CA 90058-3444

MAILING ADDRESS: 2340 E 52ND ST
VERNON, CA 90058

RESPONSIBLE OFFICIAL: VAN TRUONG

TITLE: ACTING PLANT MANAGER

TELEPHONE NUMBER: (323) 983-6136

CONTACT PERSON: VAN TRUONG

TITLE: ACTING PLANT MANAGER

TELEPHONE NUMBER: (323) 983-6136

INITIAL TITLE V PERMIT ISSUED: February 13, 2009

TITLE V PERMIT EXPIRATION DATE: February 12, 2014

TITLE V	RECLAIM
----------------	----------------

YES	NOx: YES SOx: NO CYCLE: 2 ZONE: COASTAL
------------	--

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of NOx RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total NOx emission shall not exceed such annual allocations unless the operator obtains RTCs corresponding to the facility's increased emissions in compliance with Rules 2005 and 2007.

The level of Starting Allocation plus Non-Tradable Credits used to determine compliance with Rule 2005(c)(4) and applicability of Rule 2005(e) - Trading Zone Restrictions is listed on the last page of this Section.

The following table lists the annual allocations that were issued to this facility and the amounts of RTCs held by this facility on the day of printing this Section.

RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year Begin End (month/year)	Zone	NOx RTC Initially Allocated	NOx RTC ¹ Holding as of 07/01/2015 (pounds)	Non-Tradable ² Non-Usable RTCs (pounds)
7/2012 6/2013	Coastal	1914	155	0
7/2013 6/2014	Coastal	1914	290	0
7/2014 6/2015	Coastal	1914	19	0
7/2015 6/2016	Coastal	1914	1483	0
7/2016 6/2017	Coastal	1914	1483	0
7/2017 6/2018	Coastal	1914	1483	0
7/2018 6/2019	Coastal	1914	1483	0
7/2019 6/2020	Coastal	1914	1483	0
7/2020 6/2021	Coastal	1914	1483	0
7/2021 6/2022	Coastal	1914	1483	0
7/2022 6/2023	Coastal	1914	1483	0
7/2023 6/2024	Coastal	1914	1483	0
7/2024 6/2025	Coastal	1914	1483	0
7/2025 6/2026	Coastal	1914	1483	0
7/2026 6/2027	Coastal	1914	1483	0
7/2027 6/2028	Coastal	1914	1483	0
7/2028 6/2029	Coastal	1914	1483	0

Footnotes:

1. This number may change due to pending trades, emissions reported under Quarterly Certification of Emissions Report (QCER) and Annual Permit Emission Program (APEP) Report required pursuant to Rule 2004, or deductions made pursuant to Rule 2010(b). The most recent total RTC information can be obtained from the District's RTC Listing.
2. The use of such credits is subject to restrictions set forth in paragraph (f)(1) of Rule 2002.

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of NOx RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total NOx emission shall not exceed such annual allocations unless the operator obtains RTCs corresponding to the facility's increased emissions in compliance with Rules 2005 and 2007.

The level of Starting Allocation plus Non-Tradable Credits used to determine compliance with Rule 2005(c)(4) and applicability of Rule 2005(e) - Trading Zone Restrictions is listed on the last page of this Section.

The following table lists the annual allocations that were issued to this facility and the amounts of RTCs held by this facility on the day of printing this Section.

RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year Begin End (month/year)	Zone	NOx RTC Initially Allocated	NOx RTC ¹ Holding as of 07/01/2015 (pounds)	Non-Tradable ² Non-Usable RTCs (pounds)
7/2029 6/2030	Coastal	1914	1483	0

Footnotes:

1. This number may change due to pending trades, emissions reported under Quarterly Certification of Emissions Report (QCER) and Annual Permit Emission Program (APEP) Report required pursuant to Rule 2004, or deductions made pursuant to Rule 2010(b). The most recent total RTC information can be obtained from the District's RTC Listing.
2. The use of such credits is subject to restrictions set forth in paragraph (f)(1) of Rule 2002.

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. If the facility submits a permit application to increase in an annual allocation to a level greater than the facility's starting Allocation plus Non-Tradable credits as listed below, the application will be evaluated for compliance with Rule 2005 (c)(4). Rule 2005 (e) - Trading Zone Restrictions applies if an annual allocation is increased to a level greater than the facility's Starting Allocation plus Non-Tradable Credits:

Year		Zone	NOx RTC	Non-Tradable
Begin	End		Starting Allocation	Credits(NTC)
(month/year)			(pounds)	(pounds)
7/1994	6/1995	Coastal	6120	0

**FACILITY PERMIT TO OPERATE
LIFOAM INDUSTRIES, LLC**

SECTION C: FACILITY PLOT PLAN

(TO BE DEVELOPED)

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: POLYSTYRENE FOAM EXPANSION AND MOLDING					P13.1
System 1: POLYSTYRENE BEAD PRE-EXPANSION SYSTEM NO. 1					
LOADING ARM, VACUUM LOADING, VACUUM LOADER NO. 1, POLYSTYRENE BEADS A/N: 502726	D2	C125			
HOPPER, RECEIVING, POLYSTYRENE BEADS A/N: 502726	D97	C125			
HOPPER, WEIGH, POYSTYRENE BEADS A/N: 502726	D98	C125			
FOAM EXPANSION, EPS BEAD EXPANDER NO. 1, SME A/N: 502726	D3	C109 C125			B163.1, D29.4, E17.1, K67.1
HOPPER, COLLECTING, POLYSTYRENE BEADS/RECYCLED SCRAP A/N: 502726	D99	C125			
System 2: POLYSTYRENE BEAD PRE-EXPANSION NO. 2					
LOADING ARM, VACUUM LOADING, VACUUM LOADER NO. 2, POLYSTYRENE BEADS A/N: 502726	D5	C125			
HOPPER, RECEIVING, POLYSTYRENE BEADS A/N: 502726	D100	C125			
HOPPER, WEIGH, POLYSTYRENE BEADS A/N: 502726	D101	C125			
FOAM EXPANSION, EPS BEAD EXPANDER NO. 2, SME A/N: 502726	D6	C109 C125			B163.1, D29.4, E17.2, K67.1

- | | |
|--|--|
| <ul style="list-style-type: none"> * (1) (1A) (1B) Denotes RECLAIM emission factor (3) Denotes RECLAIM concentration limit (5) (5A) (5B) Denotes command and control emission limit (7) Denotes NSR applicability limit (9) See App B for Emission Limits | <ul style="list-style-type: none"> (2) (2A) (2B) Denotes RECLAIM emission rate (4) Denotes BACT emission limit (6) Denotes air toxic control rule limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.) (10) See section J for NESHAP/MACT requirements |
|--|--|

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: POLYSTYRENE FOAM EXPANSION AND MOLDING					P13.1
HOPPER, COLLECTING, POLYSTYRENE BEADS/RECYCLED SCRAP A/N: 502726	D102	C125			
System 3: POLYSTYRENE BEAD PRE-EXPANSION SYSTEM NO. 3					
HOPPER, RECEIVING, POLYSTYRENE BEADS A/N: 502726	D133				
CONVEYOR, SCREW TYPE, POLYSTYRENE BEADS A/N: 502726	D134				
HOPPER, CHARGING, POLYSTYRENE BEADS A/N: 502726	D135				
HOPPER, WEIGH, POLYSTYRENE BEADS A/N: 502726	D136				
FOAM EXPANSION, EPS BEAD EXPANDER NO. 3, HIRSCH 6000 XXL A/N: 502726	D137	C109			B163.1, D29.4, E17.1, E17.2, K67.1
System 4: PRE-EXPANDED POLYSTYRENE BEADS AGING/STABILIZATION SYSTEM					
STORAGE SILO, NO. 1, PRE-EXPANDED POLYSTYRENE BEADS, SOLID BAG, WIDTH: 10 FT ; HEIGHT: 10 FT ; LENGTH: 10 FT A/N: 502726	D13	C109		PM: (9) [RULE 405, 2-7-1986]	D29.4, D323.1, E193.2
STORAGE SILO, NO. 2, PRE-EXPANDED POLYSTYRENE BEADS, SOLID BAG, WIDTH: 10 FT ; HEIGHT: 10 FT ; LENGTH: 10 FT A/N: 502726	D14	C109		PM: (9) [RULE 405, 2-7-1986]	D29.4, D323.1, E193.2

- | | |
|---|---|
| <p>* (1) (1A) (1B) Denotes RECLAIM emission factor
 (3) Denotes RECLAIM concentration limit
 (5) (5A) (5B) Denotes command and control emission limit
 (7) Denotes NSR applicability limit
 (9) See App B for Emission Limits</p> | <p>(2) (2A) (2B) Denotes RECLAIM emission rate
 (4) Denotes BACT emission limit
 (6) Denotes air toxic control rule limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (10) See section J for NESHAP/MACT requirements</p> |
|---|---|

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: POLYSTYRENE FOAM EXPANSION AND MOLDING					P13.1
STORAGE SILO, NO. 3, PRE-EXPANDED POLYSTYRENE BEADS, WOOD SILO, WIDTH: 10 FT ; HEIGHT: 16 FT ; LENGTH: 10 FT A/N: 502726	D16	C109		PM: (9) [RULE 405, 2-7-1986]	D29.4, D323.1, E193.2
STORAGE SILO, NO. 4, PRE-EXPANDED POLYSTYRENE BEADS, SOLID BAG, WIDTH: 7 FT ; HEIGHT: 8 FT ; LENGTH: 7 FT A/N: 502726	D17	C109		PM: (9) [RULE 405, 2-7-1986]	D29.4, D323.1, E193.2
STORAGE SILO, NO. 5, PRE-EXPANDED POLYSTYRENE BEADS, SOLID BAG, WIDTH: 7 FT ; HEIGHT: 8 FT ; LENGTH: 7 FT A/N: 502726	D18	C109		PM: (9) [RULE 405, 2-7-1986]	D29.4, D323.1, E193.2
STORAGE SILO, NO. 6, PRE-EXPANDED POLYSTYRENE BEADS, SOLID BAG, WIDTH: 7 FT ; HEIGHT: 8 FT ; LENGTH: 7 FT A/N: 502726	D19	C109		PM: (9) [RULE 405, 2-7-1986]	D29.4, D323.1, E193.2
STORAGE SILO, NO. 7, PRE-EXPANDED POLYSTYRENE BEADS, SOLID BAG, WIDTH: 7 FT ; HEIGHT: 8 FT ; LENGTH: 7 FT A/N: 502726	D20	C109		PM: (9) [RULE 405, 2-7-1986]	D29.4, D323.1, E193.2
STORAGE SILO, NO. 8, PRE-EXPANDED POLYSTYRENE BEADS, SOLID BAG, WIDTH: 7 FT ; HEIGHT: 8 FT ; LENGTH: 7 FT A/N: 502726	D21	C109		PM: (9) [RULE 405, 2-7-1986]	D29.4, D323.1, E193.2

- | | |
|--|--|
| <ul style="list-style-type: none"> * (1) (1A) (1B) Denotes RECLAIM emission factor (3) Denotes RECLAIM concentration limit (5) (5A) (5B) Denotes command and control emission limit (7) Denotes NSR applicability limit (9) See App B for Emission Limits | <ul style="list-style-type: none"> (2) (2A) (2B) Denotes RECLAIM emission rate (4) Denotes BACT emission limit (6) Denotes air toxic control rule limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.) (10) See section J for NESHAP/MACT requirements |
|--|--|

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: POLYSTYRENE FOAM EXPANSION AND MOLDING					P13.1
STORAGE SILO, NO. 9, PRE-EXPANDED POLYSTYRENE BEADS, SOLID BAG, WIDTH: 7 FT ; HEIGHT: 8 FT ; LENGTH: 7 FT A/N: 502726	D22	C109		PM: (9) [RULE 405, 2-7-1986]	D29.4, D323.1, E193.2
STORAGE SILO, NO. 10, PRE-EXPANDED POLYSTYRENE BEADS, SOLID BAG, WIDTH: 8 FT ; HEIGHT: 10 FT ; LENGTH: 9 FT A/N: 502726	D23	C109		PM: (9) [RULE 405, 2-7-1986]	D29.4, D323.1, E193.2
STORAGE SILO, NO. 11, PRE-EXPANDED POLYSTYRENE BEADS, SOLID BAG, WIDTH: 8 FT ; HEIGHT: 10 FT ; LENGTH: 9 FT A/N: 502726	D24	C109		PM: (9) [RULE 405, 2-7-1986]	D29.4, D323.1, E193.2
STORAGE SILO, NO. 12, PRE-EXPANDED POLYSTYRENE BEADS, SOLID BAG, WIDTH: 8 FT ; HEIGHT: 10 FT ; LENGTH: 9 FT A/N: 502726	D25	C109		PM: (9) [RULE 405, 2-7-1986]	D29.4, D323.1, E193.2
STORAGE SILO, NO. 13, PRE-EXPANDED POLYSTYRENE BEADS, SOLID BAG, WIDTH: 10 FT ; HEIGHT: 10 FT ; LENGTH: 10 FT A/N: 502726	D26	C109		PM: (9) [RULE 405, 2-7-1986]	D29.4, D323.1, E193.2
STORAGE SILO, NO. 14, PRE-EXPANDED POLYSTYRENE BEADS, SOLID BAG, WIDTH: 10 FT ; HEIGHT: 10 FT ; LENGTH: 10 FT A/N: 502726	D27	C109		PM: (9) [RULE 405, 2-7-1986]	D29.4, D323.1, E193.2

- | | |
|---|---|
| <p>* (1) (1A) (1B) Denotes RECLAIM emission factor
 (3) Denotes RECLAIM concentration limit
 (5) (5A) (5B) Denotes command and control emission limit
 (7) Denotes NSR applicability limit
 (9) See App B for Emission Limits</p> | <p>(2) (2A) (2B) Denotes RECLAIM emission rate
 (4) Denotes BACT emission limit
 (6) Denotes air toxic control rule limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (10) See section J for NESHAP/MACT requirements</p> |
|---|---|

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: POLYSTYRENE FOAM EXPANSION AND MOLDING					P13.1
STORAGE SILO, NO. 15, PRE-EXPANDED POLYSTYRENE BEADS, SOLID BAG, WIDTH: 7 FT ; HEIGHT: 8 FT ; LENGTH: 7 FT A/N: 502726	D28	C109		PM: (9) [RULE 405, 2-7-1986]	D29.4, D323.1, E193.2
STORAGE SILO, NO. 16, PRE-EXPANDED POLYSTYRENE BEADS, SOLID BAG, WIDTH: 7 FT ; HEIGHT: 8 FT ; LENGTH: 7 FT A/N: 502726	D29	C109		PM: (9) [RULE 405, 2-7-1986]	D29.4, D323.1, E193.2
STORAGE SILO, NO. 17, PRE-EXPANDED POLYSTYRENE BEADS, SOLID BAG, WIDTH: 7 FT ; HEIGHT: 8 FT ; LENGTH: 7 FT A/N: 502726	D30	C109		PM: (9) [RULE 405, 2-7-1986]	D29.4, D323.1, E193.2
STORAGE SILO, NO. 18, PRE-EXPANDED POLYSTYRENE BEADS, SOLID BAG, WIDTH: 7 FT ; HEIGHT: 8 FT ; LENGTH: 7 FT A/N: 502726	D31	C109		PM: (9) [RULE 405, 2-7-1986]	D29.4, D323.1, E193.2
STORAGE SILO, NO. 19, PRE-EXPANDED POLYSTYRENE BEADS, SOLID BAG, WIDTH: 7 FT ; HEIGHT: 8 FT ; LENGTH: 7 FT A/N: 502726	D32	C109		PM: (9) [RULE 405, 2-7-1986]	D29.4, D323.1, E193.2
STORAGE SILO, NO. 20, PRE-EXPANDED POLYSTYRENE BEADS, SOLID BAG, WIDTH: 7 FT ; HEIGHT: 8 FT ; LENGTH: 7 FT A/N: 502726	D33	C109		PM: (9) [RULE 405, 2-7-1986]	D29.4, D323.1, E193.2

- | | |
|---|---|
| <p>* (1) (1A) (1B) Denotes RECLAIM emission factor
 (3) Denotes RECLAIM concentration limit
 (5) (5A) (5B) Denotes command and control emission limit
 (7) Denotes NSR applicability limit
 (9) See App B for Emission Limits</p> | <p>(2) (2A) (2B) Denotes RECLAIM emission rate
 (4) Denotes BACT emission limit
 (6) Denotes air toxic control rule limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (10) See section J for NESHAP/MACT requirements</p> |
|---|---|

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: POLYSTYRENE FOAM EXPANSION AND MOLDING					P13.1
STORAGE SILO, NO. 21, PRE-EXPANDED POLYSTYRENE BEADS, SOLID BAG, WIDTH: 7 FT ; HEIGHT: 8 FT ; LENGTH: 7 FT A/N: 502726	D34	C109		PM: (9) [RULE 405, 2-7-1986]	D29.4, D323.1, E193.2
STORAGE SILO, NO. 22, PRE-EXPANDED POLYSTYRENE BEADS, SOLID BAG, WIDTH: 7 FT ; HEIGHT: 8 FT ; LENGTH: 7 FT A/N: 502726	D35	C109		PM: (9) [RULE 405, 2-7-1986]	D29.4, D323.1, E193.2
STORAGE SILO, NO. 23, PRE-EXPANDED POLYSTYRENE BEADS, SOLID BAG, WIDTH: 7 FT ; HEIGHT: 8 FT ; LENGTH: 7 FT A/N: 502726	D36	C109		PM: (9) [RULE 405, 2-7-1986]	D29.4, D323.1, E193.2
STORAGE SILO, NO. 24, PRE-EXPANDED POLYSTYRENE BEADS, SOLID BAG, WIDTH: 7 FT ; HEIGHT: 8 FT ; LENGTH: 7 FT A/N: 502726	D37	C109		PM: (9) [RULE 405, 2-7-1986]	D29.4, D323.1, E193.2
STORAGE SILO, NO. 25, PRE-EXPANDED POLYSTYRENE BEADS, SOLID BAG, WIDTH: 7 FT ; HEIGHT: 8 FT ; LENGTH: 7 FT A/N: 502726	D38	C109		PM: (9) [RULE 405, 2-7-1986]	D29.4, D323.1, E193.2
STORAGE SILO, NO. 26, PRE-EXPANDED POLYSTYRENE BEADS, SOLID BAG, WIDTH: 7 FT ; HEIGHT: 8 FT ; LENGTH: 7 FT A/N: 502726	D39	C109		PM: (9) [RULE 405, 2-7-1986]	D29.4, D323.1, E193.2

- | | |
|---|---|
| <p>* (1) (1A) (1B) Denotes RECLAIM emission factor
 (3) Denotes RECLAIM concentration limit
 (5) (5A) (5B) Denotes command and control emission limit
 (7) Denotes NSR applicability limit
 (9) See App B for Emission Limits</p> | <p>(2) (2A) (2B) Denotes RECLAIM emission rate
 (4) Denotes BACT emission limit
 (6) Denotes air toxic control rule limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (10) See section J for NESHAP/MACT requirements</p> |
|---|---|

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: POLYSTYRENE FOAM EXPANSION AND MOLDING					P13.1
STORAGE SILO, NO. 27, PRE-EXPANDED POLYSTYRENE BEADS, SOLID BAG, WIDTH: 7 FT ; HEIGHT: 8 FT ; LENGTH: 7 FT A/N: 502726	D138	C109		PM: (9) [RULE 405, 2-7-1986]	D29.4, D323.1, E193.2
STORAGE SILO, NO. 28, PRE-EXPANDED POLYSTYRENE BEADS, SOLID BAG, WIDTH: 7 FT ; HEIGHT: 8 FT ; LENGTH: 7 FT A/N: 502726	D139	C109		PM: (9) [RULE 405, 2-7-1986]	D29.4, D323.1, E193.2
STORAGE SILO, NO. 29, PRE-EXPANDED POLYSTYRENE BEADS, SOLID BAG, WIDTH: 7 FT ; HEIGHT: 8 FT ; LENGTH: 7 FT A/N: 502726	D140	C109		PM: (9) [RULE 405, 2-7-1986]	D29.4, D323.1, E193.2
STORAGE SILO, NO. 30, PRE-EXPANDED POLYSTYRENE BEADS, SOLID BAG, WIDTH: 7 FT ; HEIGHT: 8 FT ; LENGTH: 7 FT A/N: 502726	D141	C109		PM: (9) [RULE 405, 2-7-1986]	D29.4, D323.1, E193.2
STORAGE SILO, NO. 31, PRE-EXPANDED POLYSTYRENE BEADS, SOLID BAG, WIDTH: 7 FT ; HEIGHT: 8 FT ; LENGTH: 7 FT A/N: 502726	D142	C109		PM: (9) [RULE 405, 2-7-1986]	D29.4, D323.1, E193.2
STORAGE SILO, NO. 32, PRE-EXPANDED POLYSTYRENE BEADS, SOLID BAG, WIDTH: 7 FT ; HEIGHT: 8 FT ; LENGTH: 7 FT A/N: 502726	D143	C109		PM: (9) [RULE 405, 2-7-1986]	D29.4, D323.1, E193.2

- | | |
|---|---|
| <p>* (1) (1A) (1B) Denotes RECLAIM emission factor
 (3) Denotes RECLAIM concentration limit
 (5) (5A) (5B) Denotes command and control emission limit
 (7) Denotes NSR applicability limit
 (9) See App B for Emission Limits</p> | <p>(2) (2A) (2B) Denotes RECLAIM emission rate
 (4) Denotes BACT emission limit
 (6) Denotes air toxic control rule limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (10) See section J for NESHAP/MACT requirements</p> |
|---|---|

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: POLYSTYRENE FOAM EXPANSION AND MOLDING					P13.1
STORAGE SILO, NO. 33, PRE-EXPANDED POLYSTYRENE BEADS, SOLID BAG, WIDTH: 7 FT ; HEIGHT: 8 FT ; LENGTH: 7 FT A/N: 502726	D144	C109		PM: (9) [RULE 405, 2-7-1986]	D29.4, D323.1, E193.2
STORAGE SILO, NO. 34, PRE-EXPANDED POLYSTYRENE BEADS, SOLID BAG, WIDTH: 7 FT ; HEIGHT: 8 FT ; LENGTH: 7 FT A/N: 502726	D145	C109		PM: (9) [RULE 405, 2-7-1986]	D29.4, D323.1, E193.2
STORAGE SILO, NO. 35, PRE-EXPANDED POLYSTYRENE BEADS, SOLID BAG, WIDTH: 7 FT ; HEIGHT: 8 FT ; LENGTH: 7 FT A/N: 502726	D146	C109		PM: (9) [RULE 405, 2-7-1986]	D29.4, D323.1, E193.2
STORAGE SILO, NO. 36, PRE-EXPANDED POLYSTYRENE BEADS, SOLID BAG, WIDTH: 7 FT ; HEIGHT: 8 FT ; LENGTH: 7 FT A/N: 502726	D147	C109		PM: (9) [RULE 405, 2-7-1986]	D29.4, D323.1, E193.2
STORAGE SILO, NO. 37, PRE-EXPANDED POLYSTYRENE BEADS, SOLID BAG, WIDTH: 7 FT ; HEIGHT: 8 FT ; LENGTH: 7 FT A/N: 502726	D148	C109		PM: (9) [RULE 405, 2-7-1986]	D29.4, D323.1, E193.2
STORAGE SILO, NO. 38, PRE-EXPANDED POLYSTYRENE BEADS, SOLID BAG, WIDTH: 7 FT ; HEIGHT: 8 FT ; LENGTH: 7 FT A/N: 502726	D149	C109		PM: (9) [RULE 405, 2-7-1986]	D29.4, D323.1, E193.2

- | | |
|---|---|
| <p>* (1) (1A) (1B) Denotes RECLAIM emission factor
 (3) Denotes RECLAIM concentration limit
 (5) (5A) (5B) Denotes command and control emission limit
 (7) Denotes NSR applicability limit
 (9) See App B for Emission Limits</p> | <p>(2) (2A) (2B) Denotes RECLAIM emission rate
 (4) Denotes BACT emission limit
 (6) Denotes air toxic control rule limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (10) See section J for NESHAP/MACT requirements</p> |
|---|---|

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: POLYSTYRENE FOAM EXPANSION AND MOLDING					P13.1
STORAGE SILO, NO. 39, PRE-EXPANDED POLYSTYRENE BEADS, SOLID BAG, WIDTH: 7 FT ; HEIGHT: 8 FT ; LENGTH: 7 FT A/N: 502726	D150	C109		PM: (9) [RULE 405, 2-7-1986]	D29.4, D323.1, E193.2
STORAGE SILO, NO. 40, PRE-EXPANDED POLYSTYRENE BEADS, SOLID BAG, WIDTH: 7 FT ; HEIGHT: 8 FT ; LENGTH: 7 FT A/N: 502726	D151	C109		PM: (9) [RULE 405, 2-7-1986]	D29.4, D323.1, E193.2
STORAGE SILO, NO. 41, PRE-EXPANDED POLYSTYRENE BEADS, SOLID BAG, WIDTH: 7 FT ; HEIGHT: 8 FT ; LENGTH: 7 FT A/N: 502726	D152	C109		PM: (9) [RULE 405, 2-7-1986]	D29.4, D323.1, E193.2
STORAGE SILO, NO. 42, PRE-EXPANDED POLYSTYRENE BEADS, SOLID BAG, WIDTH: 7 FT ; HEIGHT: 8 FT ; LENGTH: 7 FT A/N: 502726	D153	C109		PM: (9) [RULE 405, 2-7-1986]	D29.4, D323.1, E193.2
STORAGE SILO, NO. 43, PRE-EXPANDED POLYSTYRENE BEADS, SOLID BAG, WIDTH: 7 FT ; HEIGHT: 8 FT ; LENGTH: 7 FT A/N: 502726	D154	C109		PM: (9) [RULE 405, 2-7-1986]	D29.4, D323.1, E193.2
STORAGE SILO, NO. 44, PRE-EXPANDED POLYSTYRENE BEADS, SOLID BAG, WIDTH: 7 FT ; HEIGHT: 8 FT ; LENGTH: 7 FT A/N: 502726	D155	C109		PM: (9) [RULE 405, 2-7-1986]	D29.4, D323.1, E193.2
System 5: PNEUMATIC CONVEYING SYSTEM					

- | | |
|---|---|
| <p>* (1) (1A) (1B) Denotes RECLAIM emission factor
 (3) Denotes RECLAIM concentration limit
 (5) (5A) (5B) Denotes command and control emission limit
 (7) Denotes NSR applicability limit
 (9) See App B for Emission Limits</p> | <p>(2) (2A) (2B) Denotes RECLAIM emission rate
 (4) Denotes BACT emission limit
 (6) Denotes air toxic control rule limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (10) See section J for NESHAP/MACT requirements</p> |
|---|---|

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: POLYSTYRENE FOAM EXPANSION AND MOLDING					P13.1
CONVEYOR, PNEUMATIC, PRE-EXPANDED POLYSTYRENE BEADS A/N: 502726	D7				
CONVEYOR, PNEUMATIC, PRE-EXPANDED POLYSTYRENE BEADS A/N: 502726	D8				
CONVEYOR, PNEUMATIC, STABILIZED POLYSTYRENE BEADS A/N: 502726	D9				
CONVEYOR, PNEUMATIC, STABILIZED POLYSTYRENE BEADS A/N: 502726	D10				
CONVEYOR, PNEUMATIC, 7.5 HP, PRE-EXPANDED POLYSTYRENE BEADS A/N: 502726	D156				
System 8: SHAPE MOLDING NO. 7					
HOPPER, DUMP, STABILIZED PRE-EXPANDED POLYSTYRENE BEADS, FABRIC BAG A/N: 502726	D47			PM: (9) [RULE 405, 2-7-1986]	D323.1
PRESS, NON-VACUUM MOLDING, MFI 103 A/N: 502726	D48	C109			D29.4
System 10: SHAPE MOLDING NO. 6					
HOPPER, DUMP, STABILIZED PRE-EXPANDED POLYSTYRENE BEADS, FABRIC BAG A/N: 502726	D51			PM: (9) [RULE 405, 2-7-1986]	D323.1

* (1) (1A) (1B) Denotes RECLAIM emission factor
 (2) (2A) (2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit
 (4) Denotes BACT emission limit
 (5) (5A) (5B) Denotes command and control emission limit
 (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (9) See App B for Emission Limits
 (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: POLYSTYRENE FOAM EXPANSION AND MOLDING					P13.1
PRESS, NON-VACUUM MOLDING, MFI 107 A/N: 502726	D52	C109			D29.4
System 13: SHAPE MOLDING NO. 3					
HOPPER, DUMP, STABILIZED PRE-EXPANDED POLYSTYRENE BEADS, FABRIC BAG A/N: 502726	D57			PM: (9) [RULE 405, 2-7-1986]	D323.1
PRESS, NON-VACUUM MOLDING, SME A/N: 502726	D58	C109			D29.4
System 15: SHAPE MOLDING NO. 2					
HOPPER, DUMP, STABILIZED PRE-EXPANDED POLYSTYRENE BEADS, FABRIC BAG A/N: 502726	D61			PM: (9) [RULE 405, 2-7-1986]	D323.1
PRESS, NON-VACUUM MOLDING, P20 A/N: 502726	D62	C109			D29.4
System 16: SHAPE MOLDING NO. 4					
HOPPER, DUMP, STABILIZED PRE-EXPANDED POLYSTYRENE BEADS, TWO TOTAL, METAL A/N: 502726	D157			PM: (9) [RULE 405, 2-7-1986]	D323.1
PRESS, VACUUM MOLDING, HIRSCH, MODEL NO. HS1400 BV1-W1437 A/N: 502726	D158	C109			D29.4
System 19: SHAPE MOLDING NO. 8					

* (1) (1A) (1B) Denotes RECLAIM emission factor
 (2) (2A) (2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit
 (4) Denotes BACT emission limit
 (5) (5A) (5B) Denotes command and control emission limit
 (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (9) See App B for Emission Limits
 (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: POLYSTYRENE FOAM EXPANSION AND MOLDING					P13.1
HOPPER, DUMP, STABILIZED PRE-EXPANDED POLYSTYRENE BEADS, METAL A/N: 502726	D69			PM: (9) [RULE 405, 2-7-1986]	D323.1
PRESS, VACUUM MOLDING, KURT 810 WITH TWO 7.5 VACUUM PUMPS A/N: 502726	D70	C109			D29.4
System 20: SHAPE MOLDING NO. 1					
HOPPER, DUMP, STABILIZED PRE-EXPANDED POLYSTYRENE BEADS, METAL A/N: 502726	D71			PM: (9) [RULE 405, 2-7-1986]	D323.1
PRESS, VACUUM MOLDING, KURT 1012 WITH TWO 7.5 VACUUM PUMPS A/N: 502726	D72	C109			D29.4
System 25: SHAPE MOLDING NO. 15					
HOPPER, DUMP, STABILIZED PRE-EXPANDED POLYSTYRENE BEADS, METAL A/N: 502726	D86			PM: (9) [RULE 405, 2-7-1986]	D323.1
PRESS, VACUUM MOLDING, HIRSCH, MODEL NO. HE1200 WITH ONE 5.5 H.P. VACUUM PUMP A/N: 502726	D87	C109			D29.4
System 26: SHAPE MOLDING NO. 16					
HOPPER, DUMP, STABILIZED PRE-EXPANDED POLYSTYRENE BEADS, METAL A/N: 502726	D88			PM: (9) [RULE 405, 2-7-1986]	D323.1

- | | |
|---|---|
| <p>* (1) (1A) (1B) Denotes RECLAIM emission factor
 (3) Denotes RECLAIM concentration limit
 (5) (5A) (5B) Denotes command and control emission limit
 (7) Denotes NSR applicability limit
 (9) See App B for Emission Limits</p> | <p>(2) (2A) (2B) Denotes RECLAIM emission rate
 (4) Denotes BACT emission limit
 (6) Denotes air toxic control rule limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (10) See section J for NESHAP/MACT requirements</p> |
|---|---|

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: POLYSTYRENE FOAM EXPANSION AND MOLDING					P13.1
PRESS, VACUUM MOLDING, HIRSCH, MODEL NO. HE1200 WITH ONE 5.5 VACUUM PUMP A/N: 502726	D89	C109			D29.4
System 27: SHAPE MOLDING NO. 14					
HOPPER, DUMP, TWO, STABILIZED PRE-EXPANDED POLYSTYRENE BEADS, METAL A/N: 502726	D90			PM: (9) [RULE 405, 2-7-1986]	D323.1
PRESS, VACUUM MOLDING, HIRSCH, MODEL NO. HE 1500 WITH ONE 5.5 VACUUM PUMP A/N: 502726	D91	C109			D29.4
System 28: SHAPE MOLDING NO. 17					
HOPPER, DUMP, STABILIZED PRE-EXPANDED POLYSTYRENE BEADS, METAL A/N: 502726	D92			PM: (9) [RULE 405, 2-7-1986]	D323.1
PRESS, VACUUM MOLDING, HIRSCH, MODEL NO. HE 1200 WITH ONE 5.5 VACUUM PUMP A/N: 502726	D93	C109			D29.4
System 30: SHAPE MOLDING NO. 18					
HOPPER, DUMP, STABILIZED PRE-EXPANDED POLYSTYRENE BEADS, METAL A/N: 502726	D95			PM: (9) [RULE 405, 2-7-1986]	D323.1
PRESS, VACUUM MOLDING, HIRSCH, MODEL NO. HE 1200 WITH ONE 5.5 VACUUM PUMP A/N: 502726	D96	C109			D29.4
System 31: SHAPE MOLDING NO. 9					

- | | |
|--|--|
| <ul style="list-style-type: none"> * (1) (1A) (1B) Denotes RECLAIM emission factor (3) Denotes RECLAIM concentration limit (5) (5A) (5B) Denotes command and control emission limit (7) Denotes NSR applicability limit (9) See App B for Emission Limits | <ul style="list-style-type: none"> (2) (2A) (2B) Denotes RECLAIM emission rate (4) Denotes BACT emission limit (6) Denotes air toxic control rule limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.) (10) See section J for NESHAP/MACT requirements |
|--|--|

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: POLYSTYRENE FOAM EXPANSION AND MOLDING					P13.1
HOPPER, DUMP, STABILIZED PRE-EXPANDED POLYSTYRENE BEADS, METAL A/N: 502726	D111			PM: (9) [RULE 405, 2-7-1986]	D323.1
PRESS, VACUUM MOLDING, HIRSCH, MODEL NO. HE 800 A/N: 502726	D112	C109			D29.4
System 32: SHAPE MOLDING NO. 10					
HOPPER, DUMP, STABILIZED PRE-EXPANDED POLYSTYRENE BEADS, METAL A/N: 502726	D113			PM: (9) [RULE 405, 2-7-1986]	D323.1
PRESS, VACUUM MOLDING, HIRSCH, MODEL NO. HE 800 A/N: 502726	D114	C109			D29.4
System 33: SHAPE MOLDING NO. 5					
HOPPER, DUMP, STABILIZED PRE-EXPANDED POLYSTYRENE BEADS, METAL A/N: 502726	D115			PM: (9) [RULE 405, 2-7-1986]	D323.1
PRESS, VACUUM MOLDING, HIRSCH, MODEL NO. HE 1400 A/N: 502726	D116	C109			D29.4
System 34: SHAPE MOLDING NO. 11					
HOPPER, DUMP, STABILIZED PRE-EXPANDED POLYSTYRENE BEADS, METAL A/N: 502726	D117			PM: (9) [RULE 405, 2-7-1986]	D323.1
PRESS, VACUUM MOLDING, HIRSCH, MODEL NO. HE 1400 A/N: 502726	D118	C109			D29.4
System 35: SHAPE MOLDING NO. 13					

- | | |
|--|--|
| <ul style="list-style-type: none"> * (1) (1A) (1B) Denotes RECLAIM emission factor (3) Denotes RECLAIM concentration limit (5) (5A) (5B) Denotes command and control emission limit (7) Denotes NSR applicability limit (9) See App B for Emission Limits | <ul style="list-style-type: none"> (2) (2A) (2B) Denotes RECLAIM emission rate (4) Denotes BACT emission limit (6) Denotes air toxic control rule limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.) (10) See section J for NESHAP/MACT requirements |
|--|--|

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: POLYSTYRENE FOAM EXPANSION AND MOLDING					P13.1
HOPPER, DUMP, STABILIZED PRE-EXPANDED POLYSTYRENE BEADS, METAL A/N: 502726	D119			PM: (9) [RULE 405, 2-7-1986]	D323.1
PRESS, VACUUM MOLDING, HIRSCH, MODEL NO. HE 1200 A/N: 502726	D120	C109			D29.4
System 36: SHAPE MOLDING NO. 12					
HOPPER, DUMP, STABILIZED PRE-EXPANDED POLYSTYRENE BEADS, TWO TOTAL, METAL A/N: 502726	D121			PM: (9) [RULE 405, 2-7-1986]	D323.1
PRESS, VACUUM MOLDING, HIRSCH, MODEL NO. HE 1400 A/N: 502726	D122	C109			D29.4
System 37: POLYSTYRENE SCRAP RECOVERY					
GRINDER, SCRAP A/N: 502726	D123			PM: (9) [RULE 405, 2-7-1986]	D323.1
SCREEN, SCRAP A/N: 502726	D124			PM: (9) [RULE 405, 2-7-1986]	D323.1
STORAGE SILO, SCRAP A/N: 502726	D40	C125			
Process 2: AIR POLLUTION CONTROL					
System 1: AIR POLLUTION CONTROL SYSTEM					

* (1) (1A) (1B) Denotes RECLAIM emission factor
 (2) (2A) (2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit
 (4) Denotes BACT emission limit
 (5) (5A) (5B) Denotes command and control emission limit
 (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (9) See App B for Emission Limits
 (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2: AIR POLLUTION CONTROL					
OXIDIZER, THERMAL REGENERATIVE, SHIP & SHORE ENVIRONMENTAL INC., NATURAL GAS, WITH A PRE-FILTRATION CHAMBER, A 50 HP MAIN AND A 5 HP COMBUSTION AIR BLOWERS, WITH LOW NOX BURNER, 3 MMBTU/HR WITH A/N: 508347	C109	D3 D6 D13 D14 D16 D17 D18 D19 D20 D21 D22 D23 D24 D25 D26 D27 D28 D29 D30 D31 D32 D33 D34 D35 D36 D37 D38 D39 D48 D52 D58 D62 D70 D72 D87 D89 D91 D93 D96 D112 D114 D116 D118 D120 D122 C125 D137 D138 D139 D140 D141 D142 D143 D144 D145 D146 D147 D148 D149 D150 D151 D152 D153 D154 D155 D158	NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM10: 0.1 GRAINS/SCF NATURAL GAS (5A) [RULE 409, 8-7-1981]	D29.4, E73.1, E73.2, E193.1, E193.3, K67.2, K67.3
BURNER, NATURAL GAS, MAXON, LO-NOX BURNER, 3 MMBTU/HR					
BLOWER, BOOSTER, 2 TOTAL, EACH 2 HP, VENTING PRE-EXPANDER NOS. 1 AND 2					

* (1) (1A) (1B) Denotes RECLAIM emission factor
 (2) (2A) (2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit
 (4) Denotes BACT emission limit
 (5) (5A) (5B) Denotes command and control emission limit
 (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (9) See App B for Emission Limits
 (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2: AIR POLLUTION CONTROL					
BLOWER, BOOSTER, 5 HP, VENTING STORAGE SILO NOS. 10 THROUGH 44					
BLOWER, BOOSTER, 1 HP, VENTING STORAGE SILO NOS. 1 THROUGH 9					
ENCLOSURE, POLYSTYRENE BEAD PRE-EXPANSION, 3 FLOOR SWEEPS, 250 CFM EACH A/N: 508347	C125	D2 D3 D5 D6 D40 D97 D98 D99 D100 D101 D102 C109		PM: (9) [RULE 405, 2-7-1986]	D12.3, D29.4, D323.1
Process 3: EXTERNAL COMBUSTION					
System 1: BOILER					
BOILER, JOHNSTON, FIRE TUBE TYPE, MODEL PFTX-400-4-150S, NATURAL GAS WITH A/N: 484813	D128		NOX: LARGE SOURCE**	CO: 50 PPMV (4) [RULE 1303(a) (1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; CO: 400 PPMV (5) [RULE 1146, 11-1-2013]; CO: 2000 PPMV (5A) [RULE 407, 4-2-1982]; NOX: 12 PPMV (4) [RULE 2005, 5-6-2005]; NOX: 12 PPMV (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	C1.2, D323.1, D328.1, H23.4
Process 4: RULE 219 EXEMPT EQUIPMENT SUBJECT TO SOURCE SPECIFIC RULES					

* (1) (1A) (1B) Denotes RECLAIM emission factor
 (3) Denotes RECLAIM concentration limit
 (5) (5A) (5B) Denotes command and control emission limit
 (7) Denotes NSR applicability limit
 (9) See App B for Emission Limits
 (2) (2A) (2B) Denotes RECLAIM emission rate
 (4) Denotes BACT emission limit
 (6) Denotes air toxic control rule limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (10) See section J for NESHAP/MACT requirements
 ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 4: RULE 219 EXEMPT EQUIPMENT SUBJECT TO SOURCE SPECIFIC RULES					
RULE 219 EXEMPT EQUIPMENT, DRYERS, SPACE HEATERS, SCAQMD RULE 1146.2 TYPE 1, NATURAL GAS, 0.15 MMBTU/HR	E81				H23.2
RULE 219 EXEMPT EQUIPMENT, SCREEN PRINTING EQUIPMENT, PRINTING EQUIPMENT, WITH RELATED COATING, LAMINATING AND DRYING EQUIPMENT	E126			VOC: (9) [RULE 1130.1, 12-13-1996; RULE 1171, 2-1-2008; RULE 1171, 5-1-2009]	H23.3
RULE 219 EXEMPT EQUIPMENT, WATER HEATERS, SCAQMD RULE 1146.2 TYPE 1	E127				H23.2
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E160			VOC: (9) [RULE 1113, 6-3-2011; RULE 1113, 9-6-2013; RULE 1171, 2-1-2008; RULE 1171, 5-1-2009]	K67.5

* (1) (1A) (1B) Denotes RECLAIM emission factor
 (2) (2A) (2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit
 (4) Denotes BACT emission limit
 (5) (5A) (5B) Denotes command and control emission limit
 (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (9) See App B for Emission Limits
 (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

**FACILITY PERMIT TO OPERATE
LIFOAM INDUSTRIES, LLC**

SECTION D: DEVICE ID INDEX

**The following sub-section provides an index
to the devices that make up the facility
description sorted by device ID.**

**FACILITY PERMIT TO OPERATE
 LIFOAM INDUSTRIES, LLC
 SECTION D: DEVICE ID INDEX**

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D2	1	1	1
D3	1	1	1
D5	1	1	2
D6	1	1	2
D7	10	1	5
D8	10	1	5
D9	10	1	5
D10	10	1	5
D13	2	1	4
D14	2	1	4
D16	3	1	4
D17	3	1	4
D18	3	1	4
D19	3	1	4
D20	3	1	4
D21	3	1	4
D22	4	1	4
D23	4	1	4
D24	4	1	4
D25	4	1	4
D26	4	1	4
D27	4	1	4
D28	5	1	4
D29	5	1	4
D30	5	1	4
D31	5	1	4
D32	5	1	4
D33	5	1	4
D34	6	1	4
D35	6	1	4
D36	6	1	4
D37	6	1	4
D38	6	1	4
D39	6	1	4
D40	15	1	37

**FACILITY PERMIT TO OPERATE
 LIFOAM INDUSTRIES, LLC
 SECTION D: DEVICE ID INDEX**

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D47	10	1	8
D48	10	1	8
D51	10	1	10
D52	11	1	10
D57	11	1	13
D58	11	1	13
D61	11	1	15
D62	11	1	15
D69	12	1	19
D70	12	1	19
D71	12	1	20
D72	12	1	20
E81	18	4	0
D86	12	1	25
D87	12	1	25
D88	12	1	26
D89	13	1	26
D90	13	1	27
D91	13	1	27
D92	13	1	28
D93	13	1	28
D95	13	1	30
D96	13	1	30
D97	1	1	1
D98	1	1	1
D99	1	1	1
D100	1	1	2
D101	1	1	2
D102	2	1	2
C109	17	2	1
D111	14	1	31
D112	14	1	31
D113	14	1	32
D114	14	1	32
D115	14	1	33

**FACILITY PERMIT TO OPERATE
 LIFOAM INDUSTRIES, LLC
 SECTION D: DEVICE ID INDEX**

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D116	14	1	33
D117	14	1	34
D118	14	1	34
D119	15	1	35
D120	15	1	35
D121	15	1	36
D122	15	1	36
D123	15	1	37
D124	15	1	37
C125	17	2	1
E126	18	4	0
E127	18	4	0
D128	17	3	1
D133	2	1	3
D134	2	1	3
D135	2	1	3
D136	2	1	3
D137	2	1	3
D138	7	1	4
D139	7	1	4
D140	7	1	4
D141	7	1	4
D142	7	1	4
D143	7	1	4
D144	8	1	4
D145	8	1	4
D146	8	1	4
D147	8	1	4
D148	8	1	4
D149	8	1	4
D150	9	1	4
D151	9	1	4
D152	9	1	4
D153	9	1	4
D154	9	1	4

**FACILITY PERMIT TO OPERATE
LIFOAM INDUSTRIES, LLC
SECTION D: DEVICE ID INDEX**

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D155	9	1	4
D156	10	1	5
D157	11	1	16
D158	11	1	16
E160	18	4	0

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

FACILITY CONDITIONS

F1.1 The operator shall limit the production rate to no more than 270 ton(s) in any one calendar month.

For the purpose of this condition, material processed shall be defined as expandable polystyrene beads.

[**RULE 1303(b)(2)-Offset, 5-10-1996**; RULE 1303(b)(2)-Offset, 12-6-2002]

F2.1 The operator shall limit emissions from this facility as follows:

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than 2.4 lbs per 100 lbs of raw material processed

This limit is applicable to all manufacturing emissions and post-manufacturing emissions subject to Rule 1175.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

[**RULE 1175, 5-13-1994**; RULE 1175, 11-5-2010]

F9.1 Except for open abrasive blasting operations, the operator shall not discharge into the atmosphere from any single source of emissions whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:

(a) As dark or darker in shade as that designated No.1 on the Ringelmann Chart, as published by the United States Bureau of Mines; or

(b) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subparagraph (a) of this condition.

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[**RULE 401, 3-2-1984**; RULE 401, 11-9-2001]

F14.1 The operator shall not use fuel oil containing sulfur compounds in excess of 0.05 percent by weight.

[**RULE 431.2, 5-4-1990**]

F14.2 The operator shall not purchase diesel fuel containing sulfur compounds in excess of 15 ppm by weight as supplied by the supplier.

This condition shall become effective on or after June 1, 2004.

[**RULE 431.2, 9-15-2000**]

F16.1 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Monthly usage of expandable polystyrene beads in tons.

[**RULE 1303(b)(2)-Offset, 5-10-1996**; RULE 1303(b)(2)-Offset, 12-6-2002]

PROCESS CONDITIONS

P13.1 All devices under this process are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1175

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[**RULE 1175, 5-13-1994**; RULE 1175, 11-5-2010; **RULE 1303(a)(1)-BACT, 5-10-1996**;
RULE 1303(a)(1)-BACT, 12-6-2002]
[Processes subject to this condition : 1]

DEVICE CONDITIONS

B. Material/Fuel Type Limits

B163.1 The operator shall not use raw materials containing the following:

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Raw polystyrene beads with a blowing agent content exceeding 6.1% by weight

To demonstrate compliance with this condition, records of the blowing agent content for all raw beads used in this equipment shall be kept in a format acceptable by the District and made available to the Executive Office or his representative upon request. The records shall consist of the manufacturer's Certificate Analysis identified in the lot tickets or the laboratory results from the testing performed in accordance with District Method 306-91.

If the laboratory test results are used as the method of compliance demonstration for any raw beads that have a lot ticket showing a blowing agent content exceeding 6.1% by weight, the operator shall perform the testing of blowing agent content for such beads in accordance with District Method 306-91 by an independent laboratory pursuant to Rule 304. The testing shall be performed at least once every quarter of each calendar year.

Once the operator has tested a batch of raw beads with the same ticket number and demonstrated compliance with the blowing agent content requirement, any un-tested raw beads from the same supplier purchased in the same quarter are deemed to be in compliance if the blowing agent content in the lot ticket for the un-tested beads is lower than the blowing agent content in the lot ticket for the tested beads.

If a batch of raw beads with the same ticket number is tested and used in two consecutive quarters, only one test is required for such beads.

**[RULE 1175, 5-13-1994; RULE 1175, 11-5-2010; RULE 1303(a)(1)-BACT, 5-10-1996;
RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : D3, D6, D137]

C. Throughput or Operating Parameter Limits

C1.2 The operator shall limit the fuel usage to no more than 6,794,666 cubic feet per month.

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

To comply with this condition, the operator shall install and maintain a(n) non-resettable totalizing fuel meter to accurately indicate the fuel usage of the boiler.

[**RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002**]

[Devices subject to this condition : D128]

D. Monitoring/Testing Requirements

D12.3 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure between the interior and exterior of the enclosure.

The differential pressure gauge shall be installed at a location with the least amount of air turbulence.

The enclosure shall be under negative air pressure.

[**RULE 1175, 5-13-1994; RULE 1175, 11-5-2010; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997**]

[Devices subject to this condition : C125]

D29.4 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
VOC	Method(s) specified in District Rule 1175	District-approved averaging time	Protocol to indicate test locations for collection efficiency demonstration

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

VOC	Method(s) specified in District Rule 1175	District-approved averaging time	Inlet and outlet simultaneously of oxidizer
-----	---	----------------------------------	---

The test shall be conducted to demonstrate compliance with Rule 1175(c)(2).

The test(s) shall be conducted at least once every five years.

Source test shall be conducted when the polystyrene foam expansion and molding process is operating at the maximum steady-state rate.

Source test shall be conducted in accordance with the equipment configuration and operation specified in the test protocol approved in writing by the District.

In addition to the source test requirements of Section E of this facility permit, the facility permit holder shall submit the protocol to the AQMD engineer by January 1, 2013 unless otherwise approved in writing by the District, and notify the District of the date and time of the test at least 10 days prior to the test.

The test shall be conducted by July 1, 2013 unless otherwise approved in writing by the District.

The operator shall also provide to the District a source test report containing, at a minimum, the following information:

Required Data	Reported As
Collection efficiency of emission collection system	Under actual test condition
Destruction efficiency of oxidizer	Under actual test condition
VOC emissions in ppmV and lbs/hr to support collection efficiency and destruction efficiency results	Under actual test condition
Operating temperature of oxidizer	Degrees Fahrenheit

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Operating differential pressures of the two storage silo Booster Blowers	Inches of water columns
The maximum raw bead blowing agent content processed	Lbs blowing agent per 100 lbs raw material processed
The residual blowing agent content in product	Lbs blowing agent per 100 lbs raw material processed
Amount of Pre-puff beads stored in the aging silos prior to, during and after the source test	Under actual test condition

The source test shall be conducted when this equipment is operating at a temperature of not less than the minimum operating temperature specified in this permit. If the operating temperature during the source test is greater than the minimum operating temperature specified in this permit, the minimum operating temperature may be increased to reflect the operating temperature during the source test.

Notwithstanding the requirements of Section E conditions, the source test results shall be submitted to the District no later than 60 days after the source test was conducted.

[RULE 1175, 5-13-1994; RULE 1175, 11-5-2010; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D3, D6, D13, D14, D16, D17, D18, D19, D20, D21, D22, D23, D24, D25, D26, D27, D28, D29, D30, D31, D32, D33, D34, D35, D36, D37, D38, D39, D48, D52, D58, D62, D70, D72, D87, D89, D91, D93, D96, C109, D112, D114, D116, D118, D120, D122, C125, D137, D138, D139, D140, D141, D142, D143, D144, D145, D146, D147, D148, D149, D150, D151, D152, D153, D154, D155, D158]

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

D323.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine annual inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D13, D14, D16, D17, D18, D19, D20, D21, D22, D23, D24, D25, D26, D27, D28, D29, D30, D31, D32, D33, D34, D35, D36, D37, D38, D39, D47, D51, D57, D61, D69, D71, D86, D88, D90, D92, D95, D111, D113, D115, D117, D119, D121, D123, D124, C125, D128, D138, D139, D140, D141, D142, D143, D144, D145, D146, D147, D148, D149, D150, D151, D152, D153, D154, D155, D157]

- D328.1 The operator shall determine compliance with the CO emission limit(s) either: (a) conducting a source test at least once every five years using AQMD Method 100.1 or 10.1; or (b) conducting a test at least annually using a portable analyzer and AQMD-approved test method. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with CO concentration limits. The operator shall comply with all general testing, reporting, and recordkeeping requirements in Sections E and K of this permit.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D128]

E. Equipment Operation/Construction Requirements

- E17.1 The operator shall not use more than 1 of the following items simultaneously:

Device ID: D3 [Pre-Expander No.1]

Device ID: D137 [Pre-Expander No. 3]

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[**RULE 1175, 5-13-1994**; RULE 1175, 11-5-2010; **RULE 1303(a)(1)-BACT, 5-10-1996**;
RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D3, D137]

E17.2 The operator shall not use more than 1 of the following items simultaneously:

Device ID: D6 [Pre-Expander No. 2]

Device ID: D137 [Pre-Expander No. 3]

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

[**RULE 1175, 5-13-1994**; RULE 1175, 11-5-2010; **RULE 1303(a)(1)-BACT, 5-10-1996**;
RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D6, D137]

E73.1 Notwithstanding the requirements of Section E conditions, the operator is not required to use the RTO to control emissions from storage silos during the pre-filtration chamber maintenance period:

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

The maintenance period shall not exceed one hour per week and shall be performed after the pre-expanders have been shut down for at least 72 hours.

The molding equipment shall not be in operation during any maintenance period.

The exhaust booster blowers venting storage silo nos. 1 through 44 shall not be in operation during any maintenance period.

The operator shall maintain at least one set of replacement filters on site.

Materials collected from the filters and the pre-filtration chamber shall be discharged only into enclosed containers or returned to process and shall not be handled in a manner that may result in the re-release of collected materials to the atmosphere.

To comply with this condition, the operator shall keep records as specified in condition number K67.2.

**[RULE 1175, 5-13-1994; RULE 1175, 11-5-2010; RULE 1303(a)(1)-BACT, 5-10-1996;
RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : C109]

E73.2 Notwithstanding the requirements of Section E conditions, the operator is not required to use the RTO to control emissions from storage silos during the RTO maintenance period:

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

The maintenance period shall not exceed 33 hours per maintenance and 4 maintenances per calendar year. The maintenance shall be performed after the pre-expanders have been shut down for at least 68 hours, and the weighted average aging time of the pre-puff beads shall be at least 80 hours.

To demonstrate the compliance with this condition, the weighted average aging time shall be defined as $\text{Sum of } (W_i \times t_i) / \text{Sum of } W_i$, where W_i is the total weight of pre-puff beads in an individual storage silo, and t_i is the aging time of the pre-puff beads in an individual storage silo at beginning of the maintenance activity.

The molding equipment shall not be in operation during any maintenance period.

The exhaust booster blowers venting storage silo nos. 1 through 44 shall not be in operation during any maintenance period.

To comply with this condition, the operator shall keep records as specified in condition number K67.3.

[**RULE 1175, 5-13-1994**; RULE 1175, 11-5-2010; **RULE 1303(a)(1)-BACT, 5-10-1996**;
RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : C109]

E193.1 The operator shall construct, operate, and maintain this equipment according to the following requirements:

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

The combustion chamber temperature shall be maintained at a minimum of 1,400 degrees Fahrenheit whenever the equipment it serves is in operation.

The operator shall operate and maintain a temperature measuring and recording system to continuously measure and record the combustion chamber temperature pursuant to the operation and maintenance requirements specified in 40 CFR Part 64.7. Such a system shall have an accuracy of within plus or minus 1% of the temperature being monitored and shall be inspected, maintained, and calibrated on an annual basis in accordance with the manufacturer's specifications using an applicable AQMD or EPA approved method.

For the purpose of this condition, a deviation shall be defined as when a combustion chamber temperature of less than 1,400 degrees Fahrenheit occurs during normal operation of the equipment it serves. The operator shall review the records of the combustion chamber temperature on a daily basis to determine if a deviation occurs or shall install an alarm system to alert the operator when a deviation occurs.

Whenever a deviation occurs, the operator shall inspect this equipment to identify the cause of such a deviation, take immediate corrective action to maintain the combustion chamber temperature at or above 1,400 degrees Fahrenheit, and keep records of the duration and cause (including unknown cause, if applicable) of the deviation and the corrective action taken.

All deviations shall be reported to the AQMD on a semi-annual basis pursuant to the requirements specified in 40 CFR Part 64.9 and Condition Nos. 22 and 23 in Section K of this permit. The semi-annual monitoring report shall include the total operating time of this equipment and the total accumulated duration of all deviations for each semi-annual reporting period specified in Condition No. 23 in Section K of this permit.

The operator shall submit an application with an Quality Improvement Plan (QIP) in accordance with 40 CFR Part 64.8 to the AQMD if an accumulation of deviations exceeds 5 percent duration of this equipment's total operating time for any semi-annual reporting period specified in Condition No. 23 in Section K of this permit. The required QIP shall be submitted to the AQMD within 90 calendar days

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

after the due date for the semi-annual monitoring report.

The operator shall inspect and maintain all components of this equipment on an annual basis in accordance with the manufacturer's specifications.

The operator shall keep adequate records in a format that is acceptable to the AQMD to demonstrate compliance with all applicable requirements specified in this condition and 40 CFR Part 64.9 for a minimum of five years.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; 40CFR Part 64, 10-22-1997]

[Devices subject to this condition : C109]

E193.2 The operator shall operate and maintain this equipment according to the following requirements:

All pre-puff beads shall be aged for a minimum of 24 hours in this equipment before they are used in the shape molding process.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

[RULE 1175, 5-13-1994; RULE 1175, 11-5-2010; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D13, D14, D16, D17, D18, D19, D20, D21, D22, D23, D24, D25, D26, D27, D28, D29, D30, D31, D32, D33, D34, D35, D36, D37, D38, D39, D138, D139, D140, D141, D142, D143, D144, D145, D146, D147, D148, D149, D150, D151, D152, D153, D154, D155]

E193.3 The operator shall operate and maintain this equipment according to the following requirements:

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

The operator shall install and maintain two fixed magnehelic gauges at the inlets of the two booster blowers that vent the aging silos. Each magnehelic gauge shall accurately indicate the differential pressure between the booster blower's inlet and the ambient air.

The operator shall operate and maintain the two booster blower magnehelic gauges at a minimum negative pressure of 1.0 inches of water column at all time except the RTO maintenance period described as in Condition No. E73.1.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

[RULE 1175, 5-13-1994; RULE 1175, 11-5-2010; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : C109]

H. Applicable Rules

H23.2 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
N/A	District Rule	1146.2

[RULE 1146.2, 5-5-2006]

[Devices subject to this condition : E81, E127]

H23.3 This equipment is subject to the applicable requirements of the following rules or regulations:

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	109

[RULE 109, 5-2-2003]

[Devices subject to this condition : E126]

H23.4 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
CO	District Rule	1146

[RULE 1146, 11-17-2000; RULE 1146, 11-1-2013]

[Devices subject to this condition : D128]

K. Record Keeping/Reporting

K67.1 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Certificate of Analysis showing blowing agent content for each lot of expandable polystyrene beads processed in this equipment.

Quarterly raw bead test results following District method 306-91 in cases where the lot tickets have blowing agent content greater than the permit content limit.

[RULE 1175, 5-13-1994; RULE 1175, 11-5-2010]

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition : D3, D6, D137]

K67.2 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

The date and time at beginning of the RTO pre-filtration chamber maintenance

The date and time at end of the RTO pre-filtration chamber maintenance

The total hours since the pre-expander operation has been stopped prior to the RTO pre-filtration chamber maintenance

All records required by this condition shall be retained on the premises for at least five calendar years, and shall be made available to the Executive Officer or representative upon request.

**[RULE 1175, 5-13-1994; RULE 1175, 11-5-2010; RULE 1303(a)(1)-BACT, 5-10-1996;
RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : C109]

K67.3 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

The date and time at beginning of the RTO maintenance

The date and time at end of the RTO maintenance

The total hours since the pre-expander operation has been stopped prior to the RTO maintenance

The total hours since the molding operation has been stopped prior to the RTO maintenance

The total weight of pre-puff beads in each storage silo at beginning of the RTO maintenance

The total hours of pre-puff beads aged in each storage silo prior to the RTO maintenance

All records required by this condition shall be retained on the premises for at least five calendar years, and shall be made available to the Executive Officer or representative upon request.

[RULE 1175, 5-13-1994; RULE 1175, 11-5-2010; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : C109]

K67.5 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

For architectural applications where no thinners, reducers, or other VOC containing materials are added, maintain semi-annual records of all coatings consisting of (a) coating type, (b) VOC content as supplied in grams per liter (g/L) of materials for low-solids coatings, (c) VOC content as supplied in g/L of coating, less water and exempt solvent, for other coating.

For other architectural applications where thinners, reducers, or other VOC containing materials are added, maintain daily records for each coating consisting of (a) coating type, (b) VOC content as applied in g/L of materials used for low-solids coatings, (c) VOC content as applied in g/L of coating, less water and exempt solvent, for other coating.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : E160]

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION E: ADMINISTRATIVE CONDITIONS

The operating conditions in this section shall apply to all permitted equipment at this facility unless superseded by condition(s) listed elsewhere in this permit.

1. The permit shall remain effective unless this permit is suspended, revoked, modified, reissued, denied, or it is expired for nonpayment of permit processing or annual operating fees. [201, 203, 209, 301]
 - a. The permit must be renewed annually by paying annual operating fees, and the permit shall expire if annual operating fees are not paid pursuant to requirements of Rule 301(d). [301(d)]
 - b. The Permit to Construct listed in Section H shall expire one year from the Permit to Construct issuance date, unless a Permit to Construct extension has been granted by the Executive Officer or unless the equipment has been constructed and the operator has notified the Executive Officer prior to the operation of the equipment, in which case the Permit to Construct serves as a temporary Permit to Operate. [202, 205]
 - c. The Title V permit shall expire as specified under Section K of the Title V permit. The permit expiration date of the Title V facility permit does not supercede the requirements of Rule 205. [205, 3004]
2. The operator shall maintain all equipment in such a manner that ensures proper operation of the equipment. [204]
3. This permit does not authorize the emissions of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules and Regulations of the SCAQMD. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other governmental agencies. [204]
4. The operator shall not use equipment identified in this facility permit as being connected to air pollution control equipment unless they are so vented to the identified air pollution control equipment which is in full use and which has been included in this permit. [204]

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION E: ADMINISTRATIVE CONDITIONS

5. The operator shall not use any equipment having air pollution control device(s) incorporated within the equipment unless the air pollution control device is in full operation.[204]
6. The operator shall maintain records to demonstrate compliance with rules or permit conditions that limit equipment operating parameters, or the type or quantity of material processed. These records shall be made available to SCAQMD personnel upon request and be maintained for at least: [204]
 - a. Three years for a facility not subject to Title V; or
 - b. Five years for a facility subject to Title V.
7. The operator shall maintain and operate all equipment to ensure compliance with all emission limits as specified in this facility permit. Compliance with emission limits shall be determined according to the following specifications, unless otherwise specified by SCAQMD rules or permit conditions: [204]
 - a. For internal combustion engines and gas turbines, measured concentrations shall be corrected to 15 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1110.2, 1134, 204]
 - b. For other combustion devices, measured concentrations shall be corrected to 3 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1146, 1146.1, 204]
 - c. For a large NO_x source, compliance with a RECLAIM concentration limit shall be measured over a continuous 60 minutes for that source; [2012]
 - d. For non-combustion sources, compliance with emission limits shall be determined and averaged over a period of 60 minutes. [204]

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION E: ADMINISTRATIVE CONDITIONS

- e. For the purpose of determining compliance with Rule 407, carbon monoxide (CO) shall be measured on a dry basis and be averaged over 15 consecutive minutes, and sulfur compound which would exist as liquid or gas at standard conditions shall be calculated as sulfur dioxide (SO₂) and be averaged over 15 consecutive minutes; [407]
 - f. For the purpose of determining compliance with Rule 409, combustion contaminant emission measurements shall be corrected to 12 percent carbon dioxide (CO₂) at standard conditions and averaged over 15 consecutive minutes. [409]
 - g. For the purpose of determining compliance with Rule 475, combustion contaminant emission measurements shall be corrected to 3 percent of oxygen (O₂) at standard conditions and averaged over 15 consecutive minutes or any other averaging time specified by the Executive Officer. [475]
8. All equipment operating under the RECLAIM program shall comply concurrently with all SCAQMD Rules and Regulation, except those listed in Table 1 of Rule 2001 for NO_x RECLAIM sources and Table 2 of Rule 2001 for SO_x RECLAIM sources. Those provisions listed in Tables 1 or 2 shall not apply to NO_x or SO_x emissions after the date the facility has demonstrated compliance with all monitoring and reporting requirements of Rules 2011 or 2012, as applicable. Provisions of the listed SCAQMD rules in Tables 1 or 2 which have initial implementation dates in 1994 shall not apply to a RECLAIM NO_x or SO_x source, respectively. [2001]
9. The operator shall, when a source test is required by SCAQMD, provide a source test protocol to SCAQMD no later than 60 days before the proposed test date. The test shall not commence until the protocol is approved by SCAQMD. The test protocol shall contain the following information: [204, 304]
- a. Brief description of the equipment tested.

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION E: ADMINISTRATIVE CONDITIONS

- b. Brief process description, including maximum and normal operating temperatures, pressures, through-put, etc.
 - c. Operating conditions under which the test will be performed.
 - d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts/stacks at the sampling locations, and distances of flow disturbances, (e.g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream).
 - e. Brief description of sampling and analytical methods used to measure each pollutant, temperature, flow rates, and moisture.
 - f. Description of calibration and quality assurance procedures.
 - g. Determination that the testing laboratory qualifies as an "independent testing laboratory" under Rule 304 (no conflict of interest).
10. The operator shall submit a report no later than 60 days after conducting a source test, unless otherwise required by SCAQMD Rules or equipment-specific conditions. The report shall contain the following information: [204]
- a. The results of the source test.
 - b. Brief description of the equipment tested.
 - c. Operating conditions under which the test will be performed.
 - d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts/stacks at the sampling locations, and distances of flow disturbances, (e.g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream).
 - e. Field and laboratory data forms, strip charts and analyses.

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION E: ADMINISTRATIVE CONDITIONS

- f. Calculations for volumetric flow rates, emission rates, control efficiency, and overall control efficiency.
11. The operator shall, when a source test is required, provide and maintain facilities for sampling and testing. These facilities shall comply with the requirements of SCAQMD Source Test Method 1.1 and 1.2. [217]
12. Whenever required to submit a written report, notification or other submittal to the Executive Officer, SCAQMD, or the District, the operator shall mail or deliver the material to: Deputy Executive Officer, Engineering and Compliance, SCAQMD, 21865 Copley Drive, Diamond Bar, CA 91765-4178. [204]

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

The Facility shall comply with all applicable monitoring and source testing requirements in Regulation XX. These requirements may include but are not limited to the following:

I. NO_x Monitoring Conditions

A. The Operator of a NO_x Major Source, as defined in Rule 2012, shall, as applicable:

Not Applicable

B. The Operator of a NO_x Large Source, as defined in Rule 2012, shall, as applicable:

1. Install, maintain, and operate a totalizing fuel meter and any device specified by the Executive Officer as necessary to determine monthly fuel usage or other applicable variables specified in Rule 2012, Appendix A, Table 3-A. The sharing of totalizing fuel meter may be allowed by the Executive Officer if the fuel meter serves large sources which have the same emission factor, concentration limit, or emission rate. The sharing of totalizing fuel meters shall not be allowed for large sources which are required to comply with an annual heat input limit. [2012]
2. Comply at all times with the specified NO_x concentration limit in PPM measured over any continuous 60 minutes for that source or establish an equipment-specific emission rate that is reliable, accurate, representative of that sources emissions, and in accordance with the requirements specified in Rule 2012, Appendix A, Chapter 5. [2012]

C. The Operator of a NO_x Process Unit, as defined in Rule 2012, shall, as applicable:

1. Install, maintain, and operate a totalizing fuel meter or any device approved by the Executive Officer to measure quarterly fuel usage or other applicable variables specified in Rule 2012, Table 2012-1, and Rule 2012, Appendix A, Table 4-A. The sharing of totalizing fuel meters may be allowed by the Executive Officer if the fuel meter serves process units which have the same emission factor or emission rate. The sharing of totalizing meter shall not be allowed for process units which are required to comply with an annual heat input limit. [2012]

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

II. NO_x Source Testing and Tune-up conditions

1. The operator shall conduct all required NO_x source testing in compliance with an SCAQMD-approved source test protocol. [2012]
2. The operator shall, as applicable, conduct source tests for every large NO_x source no later than June 30, 1997 and every 3 years thereafter. The source test shall include the determination of NO_x concentration and a relative accuracy audit of the exhaust stack flow determination (e.g. in-stack flow monitor or fuel flow monitor based F-factor calculation). Such source test results shall be submitted per the schedule described by APEP. In lieu of submitting the first source test report, the facility permit holder may submit the results of a source test not more than 3 years old which meets the requirements when conducted. [2012]
3. All NO_x large sources and NO_x process units shall be tuned-up in accordance with the schedule specified in Rule 2012, Appendix A, Chapter 5, Table 5-B. [2012]

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR RECLAIM SOURCES

The Facility shall comply with all applicable reporting and recordkeeping requirements in Regulation XX. These requirements may include but are not limited to the following:

I. Recordkeeping Requirements for all RECLAIM Sources

1. The operator shall maintain all monitoring data required to be measured or reported pursuant to Rule 2011 and Rule 2012, whichever is applicable. All records shall be made available to SCAQMD staff upon request and be maintained for at least:
 - a. Three years after each APEP report is submitted to SCAQMD for a facility not subject to Title V, unless a different time period is required in Rule 2011 or Rule 2012 [2011 & 2012]; or
 - b. Five years after each APEP report is submitted to SCAQMD for a facility subject to Title V. [3004(a)(4)(E)]
 - c. Notwithstanding the above, all data gathered or computed for intervals of less than 15 minutes shall only be maintained a minimum of 48 hours. [2011 & 2012]
2. The operator shall store on site and make available to the Executive Officer upon request: records used to determine emissions, maintenance records, sources test reports, relative accuracy test audit reports, relative accuracy audit reports and fuel meter calibration records. [2011 & 2012]

II. Reporting Requirements for all RECLAIM Sources

1. The operator shall submit a quarterly certification of emissions including the facility's total NO_x or SO_x emissions, whichever is applicable, for the quarter within 30 days after the end of the first three quarters and 60 days after the end of the fourth quarter of a compliance year. [2011 & 2012]

NO_x Reporting Requirements

A. The Operator of a NO_x Major Source, as defined in Rule 2012, shall, as applicable:

Not Applicable

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR RECLAIM SOURCES

B. The Operator of a NO_x Large Source, as defined in Rule 2012, shall:

1. Install, maintain and operate a modem or any reporting device approved by the Executive Officer to report, to the SCAQMD, the total monthly NO_x mass emissions from each large NO_x source. The Operator shall comply with this requirement within 12 months of the date of entry to the RECLAIM Program. Such data shall be reported within 15 days after the end of each calendar month. [2012]

C. The Operator of a NO_x Process Unit, as defined in Rule 2012, shall:

1. Electronically report the calculated quarterly NO_x emissions for each NO_x process unit. The Operator shall comply with this requirement within 12 months of the date of entry to the RECLAIM Program. [2012]

**FACILITY PERMIT TO OPERATE
LIFOAM INDUSTRIES, LLC**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

NONE

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION I: PLANS AND SCHEDULES

This section lists all plans approved by AQMD for the purposes of meeting the requirements of applicable AQMD rules.

NONE

NOTE: This section does not list compliance schedules pursuant to the requirements of Regulation XXX - Title V Permits; Rule 3004(a)(10)(C). For equipment subject to a variance, order for abatement, or alternative operating condition granted pursuant to Rule 518.2, equipment specific conditions are added to the equipment in Section D or H of the permit.

**FACILITY PERMIT TO OPERATE
LIFOAM INDUSTRIES, LLC**

SECTION J: AIR TOXICS

NOT APPLICABLE

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION K: TITLE V Administration

GENERAL PROVISIONS

1. This permit may be revised, revoked, reopened and reissued, or terminated for cause, or for failure to comply with regulatory requirements, permit terms, or conditions. [3004(a)(7)(C)]
2. This permit does not convey any property rights of any sort or any exclusive privilege. [3004(a)(7)(E)]

Permit Renewal and Expiration

3. (A) Except for solid waste incineration facilities subject to standards under section 129(e) of the Clean Air Act, this permit shall expire five years from the date that this Title V permit is issued. The operator's right to operate under this permit terminates at midnight on this date, unless the facility is protected by an application shield in accordance with Rule 3002(b), due to the filing of a timely and complete application for a Title V permit renewal, consistent with Rule 3003. [3004(a)(2), 3004(f)]

(B) A Title V permit for a solid waste incineration facility combusting municipal waste subject to standards under Section 129(e) of the Clean Air Act shall expire 12 years from the date of issuance unless such permit has been renewed pursuant to this regulation. These permits shall be reviewed by the Executive Officer at least every five years from the date of issuance. [3004(f)(2)]
4. To renew this permit, the operator shall submit to the Executive Officer an application for renewal at least 180 days, but not more than 545 days, prior to the expiration date of this permit. [3003(a)(6)]

Duty to Provide Information

5. The applicant for, or holder of, a Title V permit shall furnish, pursuant to Rule 3002(d) and (e), timely information and records to the Executive Officer or designee within a reasonable time as specified in writing by the Executive Officer or designee. [3004(a)(7)(F)]

Payment of Fees

6. The operator shall pay all required fees specified in Regulation III - Fees. [3004(a)(7)(G)]

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION K: TITLE V Administration

Reopening for Cause

7. The Executive Officer will reopen and revise this permit if any of the following circumstances occur:
- (A) Additional regulatory requirements become applicable with a remaining permit term of three or more years. Reopening is not required if the effective date of the requirement is later than the expiration date of this permit, unless the permit or any of its terms and conditions has been extended pursuant to paragraph (f)(4) of Rule 3004.
 - (B) The Executive Officer or EPA Administrator determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.
 - (C) The Executive Officer or EPA Administrator determines that the permit must be revised or revoked to assure compliance with the applicable requirements. [3005(g)(1)]

COMPLIANCE PROVISIONS

8. The operator shall comply with all regulatory requirements, and all permit terms and conditions, except:
- (A) As provided for by the emergency provisions of condition no. 17 or condition no. 18, or
 - (B) As provided by an alternative operating condition granted pursuant to a federally approved (SIP-approved) Rule 518.2.

Any non-compliance with any federally enforceable permit condition constitutes a violation of the Federal Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or revision; or denial of a permit renewal application. Non-compliance may also be grounds for civil or criminal penalties under the California State Health and Safety Code. [3004(a)(7)(A)]

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION K: TITLE V Administration

9. The operator shall allow the Executive Officer or authorized representative, upon presentation of appropriate credentials to:
 - (A) Enter the operator's premises where emission-related activities are conducted, or records are kept under the conditions of this permit;
 - (B) Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
 - (C) Inspect at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
 - (D) Sample or monitor at reasonable times, substances or parameters for the purpose of assuring compliance with the facility permit or regulatory requirements. [3004(a)(10)(B)]

10. All terms and conditions in this permit, including any provisions designed to limit a facility's potential to emit, are enforceable by the EPA Administrator and citizens under the federal Clean Air Act, unless the term or condition is designated as not federally enforceable. Each day during any portion of which a violation occurs is a separate offense. [3004(g)]

11. A challenge to any permit condition or requirement raised by EPA, the operator, or any other person, shall not invalidate or otherwise affect the remaining portions of this permit. [3007(b)]

12. The filing of any application for a permit revision, revocation, or termination, or a notification of planned changes or anticipated non-compliance does not stay any permit condition. [3004(a)(7)(D)]

13. It shall not be a defense for a person in an enforcement action, including those listed in Rule 3002(c)(2), that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit, except as provided for in "Emergency Provisions" of this section. [3004(a)(7)(H)]

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION K: TITLE V Administration

14. The operator shall not build, erect, install, or use any equipment, the use of which, without resulting in a reduction in the total release of air contaminants to atmosphere, reduces or conceals an emission which would otherwise constitute a violation of Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the California Health and Safety Code or of AQMD rules. This rule shall not apply to cases in which the only violation involved is of Section 41700 of the California Health and Safety Code, or Rule 402 of AQMD Rules. [408]

15. Nothing in this permit or in any permit shield can alter or affect:
 - (A) Under Section 303 of the federal Clean Air Act, the provisions for emergency orders;
 - (B) The liability of the operator for any violation of applicable requirements prior to or at the time of permit issuance;
 - (C) The applicable requirements of the Acid Rain Program, Regulation XXXI;
 - (D) The ability of EPA to obtain information from the operator pursuant to Section 114 of the federal Clean Air Act;
 - (E) The applicability of state or local requirements that are not "applicable requirements", as defined in Rule 3000, at the time of permit issuance but which do apply to the facility, such as toxics requirements unique to the State; and
 - (F) The applicability of regulatory requirements with compliance dates after the permit issuance date. [3004(c)(3)]

16. For any portable equipment that requires an AQMD or state permit or registration, excluding a) portable engines, b) military tactical support equipment and c) AQMD-permitted portable equipment that are not a major source, are not located at the facility for more than 12 consecutive months after commencing operation, and whose operation does not conflict with the terms or conditions of this Title V permit: 1) the facility operator shall keep a copy of the AQMD or state permit or registration; 2) the equipment operator shall comply with the conditions on the permit or registration and all other regulatory requirements; and 3) the facility operator shall treat the permit or registration as a part of its Title V permit, subject to recordkeeping, reporting and certification requirements. [3004(a)(1)]

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION K: TITLE V Administration EMERGENCY PROVISIONS

17. An emergency¹ constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limit only if:
- (A) Properly signed, contemporaneous operating records or other credible evidence demonstrate that:
 - (1) An emergency occurred and the operator can identify the cause(s) of the emergency;
 - (2) The facility was operated properly (i.e. operated and maintained in accordance with the manufacturer's specifications, and in compliance with all regulatory requirements or a compliance plan), before the emergency occurred;
 - (3) The operator took all reasonable steps to minimize levels of emissions that exceeded emissions standard, or other requirements in the permit; and,
 - (4) The operator submitted a written notice of the emergency to the AQMD within two working days of the time when the emissions limitations were exceeded due to the emergency. The notice shall contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken; and
 - (B) The operator complies with the breakdown provisions of Rule 430 – Breakdown Provisions, or subdivision (i) of Rule 2004 – Requirements, whichever is applicable. [3002(g), 430, 2004(i)]
18. The operator is excused from complying with any regulatory requirement that is suspended by the Executive Officer during a state of emergency or state of war emergency, in accordance with Rule 118 - Emergencies. [118]

¹ "Emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the operator, including acts of God, which: (A) requires immediate corrective action to restore normal operation; and (B) causes the facility to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency; and (C) is not caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION K: TITLE V Administration RECORDKEEPING PROVISIONS

19. In addition to any other recordkeeping requirements specified elsewhere in this permit, the operator shall keep records of required monitoring information, where applicable, that include:
- (A) The date, place as defined in the Title V 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. [3004(a)(4)(B)]
20. The operator shall maintain records pursuant to Rule 109 and any applicable material safety data sheet (MSDS) for any equipment claimed to be exempt from a written permit by Rule 219 based on the information in those records. [219(t)]
21. The operator shall keep all records of monitoring data required by this permit or by regulatory requirements for a period of at least five years from the date of the monitoring sample, measurement, report, or application. [3004(a)(4)(E)]

REPORTING PROVISIONS

22. The operator shall comply with the following requirements for prompt reporting of deviations:
- (A) Breakdowns shall be reported as required by Rule 430 – Breakdown Provisions or subdivision (i) of Rule 2004 - Requirements, whichever is applicable.

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION K: TITLE V Administration

- (B) Other deviations from permit or applicable rule emission limitations, equipment operating conditions, or work practice standards, determined by observation or by any monitoring or testing required by the permit or applicable rules that result in emissions greater than those allowed by the permit or applicable rules shall be reported within 72 hours (unless a shorter reporting period is specified in an applicable State or Federal Regulation) of discovery of the deviation by contacting AQMD enforcement personnel assigned to this facility or otherwise calling (800) CUT-SMOG.
 - (C) A written report of such deviations reported pursuant to (B), and any corrective actions or preventative measures taken, shall be submitted to AQMD, in an AQMD approved format, within 14 days of discovery of the deviation.
 - (D) All other deviations shall be reported with the monitoring report required by condition no. 23. [3004(a)(5)]
23. Unless more frequent reporting of monitoring results are specified in other permit conditions or in regulatory requirements, the operator shall submit reports of any required monitoring to the AQMD at least twice per year. The report shall include a) a statement whether all monitoring required by the permit was conducted; and b) identification of all instances of deviations from permit or regulatory requirements. A report for the first six calendar months of the year is due by August 31 and a report for the last six calendar months of the year is due by February 28. [3004(a)(4)(F)]
24. The operator shall submit to the Executive Officer and to the Environmental Protection Agency (EPA), an annual compliance certification. For RECLAIM facilities, the certification is due when the Annual Permit Emissions Program (APEP) report is due and shall cover the same reporting period. For other facilities, the certification is due on March 1 for the previous calendar year. The certification need not include the period preceding the date the initial Title V permit was issued. Each compliance certification shall include:
- (A) Identification of each permit term or condition that is the basis of the certification;

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION K: TITLE V Administration

- (B) The compliance status during the reporting period;
- (C) Whether compliance was continuous or intermittent;
- (D) The method(s) used to determine compliance over the reporting period and currently, and
- (E) Any other facts specifically required by the Executive Officer to determine compliance.

The EPA copy of the certification shall be sent to: Director of the Air Division Attn:
Air-3 USEPA, Region IX 75 Hawthorne St. San Francisco, CA 94105 [3004(a)(10)(E)]

25. All records, reports, and documents required to be submitted by a Title V operator to AQMD or EPA shall contain a certification of accuracy consistent with Rule 3003(c)(7) by a responsible official (as defined in Rule 3000). [3004(a)(12)]

PERIODIC MONITORING

26. All periodic monitoring required by this permit pursuant to Rule 3004(a)(4)(c) is based on the requirements and justifications in the AQMD document "Periodic Monitoring Guidelines for Title V Facilities" or in case-by-case determinations documented in the TitleV application file. [3004(a)(4)]

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION K: TITLE V Administration

FACILITY RULES

This facility is subject to the following rules and regulations

With the exception of Rule 402, 473, 477, 1118 and Rules 1401 through 1420, the following rules that are designated as non-federally enforceable are pending EPA approval as part of the state implementation plan. Upon the effective date of that approval, the approved rule(s) will become federally enforceable, and any earlier versions of those rules will no longer be federally enforceable.

RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
RULE 109	5-2-2003	Federally enforceable
RULE 1113	6-3-2011	Federally enforceable
RULE 1113	9-6-2013	Non federally enforceable
RULE 1130.1	12-13-1996	Federally enforceable
RULE 1146	11-1-2013	Federally enforceable
RULE 1146	11-17-2000	Federally enforceable
RULE 1146.2	5-5-2006	Federally enforceable
RULE 1171	2-1-2008	Federally enforceable
RULE 1171	5-1-2009	Non federally enforceable
RULE 1175	11-5-2010	Non federally enforceable
RULE 1175	5-13-1994	Federally enforceable
RULE 118	12-7-1995	Non federally enforceable
RULE 1303(a)(1)-BACT	12-6-2002	Non federally enforceable
RULE 1303(a)(1)-BACT	5-10-1996	Federally enforceable
RULE 1303(b)(2)-Offset	12-6-2002	Non federally enforceable
RULE 1303(b)(2)-Offset	5-10-1996	Federally enforceable
RULE 2012	5-6-2005	Federally enforceable
RULE 204	10-8-1993	Federally enforceable
RULE 217	1-5-1990	Federally enforceable
RULE 219	6-1-2007	Non federally enforceable
RULE 219	9-4-1981	Federally enforceable
RULE 3002	11-14-1997	Federally enforceable

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

SECTION K: TITLE V Administration

RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
RULE 3002	11-5-2010	Non federally enforceable
RULE 3003	11-14-1997	Federally enforceable
RULE 3003	11-5-2010	Non federally enforceable
RULE 3004	12-12-1997	Federally enforceable
RULE 3004(a)(4)-Periodic Monitoring	12-12-1997	Federally enforceable
RULE 3005	11-14-1997	Federally enforceable
RULE 3005	11-5-2010	Non federally enforceable
RULE 3007	10-8-1993	Federally enforceable
RULE 304	6-9-2006	Non federally enforceable
RULE 401	11-9-2001	Non federally enforceable
RULE 401	3-2-1984	Federally enforceable
RULE 402	5-7-1976	Non federally enforceable
RULE 404	2-7-1986	Federally enforceable
RULE 405	2-7-1986	Federally enforceable
RULE 407	4-2-1982	Federally enforceable
RULE 408	5-7-1976	Federally enforceable
RULE 409	8-7-1981	Federally enforceable
RULE 430	7-12-1996	Non federally enforceable
RULE 431.1	6-12-1998	Federally enforceable
RULE 431.2	5-4-1990	Federally enforceable
RULE 431.2	9-15-2000	Non federally enforceable
RULE 480	10-7-1977	Federally enforceable
RULE 701	6-13-1997	Federally enforceable
40CFR 60 Subpart Dc	2-27-2006	Federally enforceable
40CFR Part 64	10-22-1997	Federally enforceable

**FACILITY PERMIT TO OPERATE
LIFOAM INDUSTRIES, LLC**

APPENDIX A: NOX AND SOX EMITTING EQUIPMENT EXEMPT FROM WRITTEN
PERMIT PURSUANT TO RULE 219

NONE

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 06-03-2011]

- (1) Except as provided in paragraphs (c)(3), (c)(4), and designated coatings averaged under (c)(6) of Rule 1113, no person shall supply, sell, offer for sale, market, manufacture, blend, repackage, apply, store at a worksite, or solicit the application of any architectural coating within the District:
 - (A) That is listed in the Table of Standards 1 and contains VOC (excluding any colorant added to tint bases) in excess of the corresponding VOC limit specified in the table, after the effective date specified; or
 - (B) That is not listed in the Table of Standards 1, and contains VOC (excluding any colorant added to tint bases) in excess of 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, until January 1, 2014, at which time the limit drops to 50 grams of VOC per liter of coating, less water, less exempt compounds (0.42 pounds per gallon).
- (2) No person within the District shall add colorant at the point of sale that is listed in the Table of Standards 2 and contains VOC in excess of the corresponding VOC limit specified in the Table of Standards 2, after the effective date specified.

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 06-03-2011]

TABLE OF STANDARDS 1 VOC LIMITS

**Grams of VOC Per Liter of Coating,
Less Water and Less Exempt Compounds**

COATING CATEGORY	Ceiling Limit ¹	Current Limit ²	Effective Date		
			7/1/08	1/1/12	1/1/14
Bond Breakers		350			
Clear Wood Finishes		275			
Varnish	350	275			
Sanding Sealers	350	275			
Lacquer		275			
Concrete-Curing Compounds		100			
Concrete-Curing Compounds For Roadways and Bridges ³		350			
Concrete Surface Retarder		250			50
Driveway Sealer		100		50	
Dry-Fog Coatings		150			50
Faux Finishing Coatings					
Clear Topcoat		350		200	
Decorative Coatings		350			100
Glazes		350			
Japan		350			
Trowel Applied Coatings		350		150	50
Fire-Proofing Coatings		350			150
Flats	250	50	50		
Floor Coatings	100	50			
Form Release Compound		250			100
Graphic Arts (Sign) Coatings		500			150
Industrial Maintenance (IM) Coatings	420	100			
High Temperature IM Coatings		420			
Non-Sacrificial Anti-Graffiti Coatings		100			
Zinc-Rich IM Primers	340	100			
Magnesite Cement Coatings		450			
Mastic Coatings		300			100
Metallic Pigmented Coatings	500	500			150
Multi-Color Coatings		250			
Nonflat Coatings	150	50			
Pre-Treatment Wash Primers		420			
Primers, Sealers, and Undercoaters	200	100			
Reactive Penetrating Sealers		350			
Recycled Coatings		250			
Roof Coatings	250	50			
Roof Coatings, Aluminum		100			

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 06-03-2011]

Roof Primers, Bituminous	350	350		
Rust Preventative Coatings	400	100		
Stone Consolidant		450		
Sacrificial Anti-Graffiti Coatings		100		50
Shellac				
Clear		730		
Pigmented		550		
Specialty Primers	350	100		
Stains		100		

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 06-03-2011]

COATING CATEGORY	Ceiling Limit ¹	Current Limit ²	Effective Date		
			7/1/08	1/1/12	1/1/14
Stains, Interior	250	250			
Swimming Pool Coatings					
Repair		340			
Other		340			
Traffic Coatings		100			
Waterproofing Sealers	250	100			
Waterproofing Concrete/Masonry Sealers	400	100			
Wood Preservatives		350			

1. The specified ceiling limits are applicable to products sold under the Averaging Compliance Option.
2. The specified limits remain in effect unless revised limits are listed in subsequent columns in the Table of Standards.
3. Does not include compounds used for curbs and gutters, sidewalks, islands, driveways and other miscellaneous concrete areas.

TABLE OF STANDARDS 1 (cont.) VOC LIMITS

Grams of VOC Per Liter of Material

COATING	Limit
Low-Solids Coating	120

TABLE OF STANDARDS 2 VOC LIMITS FOR COLORANTS

Grams of VOC Per Liter of Colorant Less Water and Less Exempt Compounds

COLORANT	Limit ⁴
Architectural Coatings, excluding IM Coatings	50
Solvent-Based IM	600
Waterborne IM	50

4. Effective January 1, 2014.

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 09-06-2013]

- (1) Except as provided in paragraphs (c)(3), (c)(4), and designated coatings averaged under (c)(6), no person shall supply, sell, offer for sale, market, manufacture, blend, repackage, apply, store at a worksite, or solid the application of any architectural coating within in the District:
 - (A) That is listed in the Table of Standards 1 and contains VOC (excluding any colorant added to tint bases) in excess of the corresponding VOC limit specified in the table, after the effective date specified; or
 - (B) That is not listed in the Table of Standards 1, and contains VOC (excluding any colorant added to tint bases) in excess of 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, until January 1, 2014, at which time the limit drops to 50 grams of VOC per liter of coating, less water, less exempt compounds (0.42 pounds per gallon).
- (2) No person within the District shall add colorant at the point of sale that is listed in the Table of Standards 2 and contains VOC in excess of the corresponding VOC limit specified in the Table of Standards 2, after the effective date specified.

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 09-06-2013]

TABLE OF STANDARDS 1 VOC LIMITS

Grams of VOC Per Liter of Coating, Less Water and Less Exempt Compounds

COATING CATEGORY	Ceiling Limit ¹	Current Limit ²	Effective Date		
			7/1/08	1/1/12	1/1/14
Bond Breakers		350			
Clear Wood Finishes		275			
Varnish	350	275			
Sanding Sealers	350	275			
Lacquer		275			
Concrete-Curing Compounds		100			
Concrete-Curing Compounds For Roadways and Bridges ³		350			
Concrete Surface Retarder		250			50
Driveway Sealer		100		50	
Dry-Fog Coatings		150			50
Faux Finishing Coatings					
Clear Topcoat		350		200	100
Decorative Coatings		350			
Glazes		350			
Japan		350			
Trowel Applied Coatings		350		150	50
Fire-Proofing Coatings		350			150
Flats	250	50	50		
Floor Coatings	100	50			
Form Release Compound		250			100
Graphic Arts (Sign) Coatings		500			150
Industrial Maintenance (IM) Coatings	420	100			
High Temperature IM Coatings		420			
Non-Sacrificial/Anti-Graffiti Coatings		100			
Zinc-Rich IM Primers		100			
Magnesite Cement Coatings		450			
Mastic Coatings		300			100
Metallic Pigmented Coatings	500	500			150
Multi-Color Coatings		250			
Nonflat Coatings	150	50			
Pre-Treatment Wash Primers		420			
Primers, Sealers, and Undercoaters		100			
Reactive Penetrating Sealers		350			

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 09-06-2013]

Recycled Coatings		250			
Roof Coatings		50			
Roof Coatings, Aluminum		100			
Roof Primers, Bituminous		350			
Rust Preventative Coatings	400	100			
Sacrificial Anti-Graffiti Coatings		100		50	
Shellac					
Clear		730			

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 09-06-2013]

COATING CATEGORY	Ceiling Limit ¹	Current Limit ²	Effective Date		
			7/1/08	1/1/12	1/1/14
Pigmented		550			
Specialty Primers		100			
Stains	350	100			
Stains, Interior	250	250			
Stone Consolidant		450			
Swimming Pool Coatings					
Repair		340			
Other		340			
Traffic Coatings		100			
Waterproofing Sealers		100			
Waterproofing Concrete/Masonry Sealers		100			
Wood Preservatives		350			

- 1 The specified ceiling limits are applicable to products sold under the Averaging Compliance Option.
- 2 The specified limits remain in effect unless revised limits are listed in subsequent columns in the Table of Standards.
- 3 Does not include compounds used for curbs and gutters, sidewalks, islands, driveways and other miscellaneous concrete areas.

TABLE OF STANDARDS 1 (cont.) VOC LIMITS

Grams of VOC Per Liter of Material

COATING	Limit
Low-Solids Coating	120

TABLE OF STANDARDS 2 VOC LIMITS FOR COLORANTS

Grams of VOC Per Liter of Colorant Less Water and Less Exempt Compounds

COLORANT ADDED TO	Limit ⁴
Architectural Coatings, excluding IM Coatings	50
Solvent-Based IM	600
Waterborne IM	50

4. Effective January 1, 2014.

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

APPENDIX B: RULE EMISSION LIMITS [RULE 1130.1 12-13-1996]

Except as otherwise provided in Rule 1130.1

(1) VOC Content of Screen Printing Materials

The operator shall not apply to any substrate any screen printing material, excluding extreme performance screen printing materials, which contains, as applied, a total amount of VOC in excess of the limits specified in subparagraphs (1)(A), (1)(B), or (1)(C). The applicable VOC limit for a screen printing operation shall be determined by first looking for the product in subparagraph (1)(A). If the product is not listed in subparagraph (1)(A), look for the product's substrate in subparagraph (1)(B). If the substrate is not listed in subparagraph (1)(B), look for the applicable limit in subparagraph (1)(C).

In lieu of meeting the requirements in subparagraph (1)(C), the operator may comply with the requirements in paragraph (2) if the screen printing material qualifies for an extreme performance classification under subdivision (e) of Rule 1130.1.

(A) For screen printing coatings and inks used in the production of the following products:

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

APPENDIX B: RULE EMISSION LIMITS [RULE 1130.1 12-13-1996]

VOC LIMIT

grams per Liter of
Coating

PRODUCT (or Ink), Less water and
Less Exempt
Compounds

On and After
December 13, 1996

	<u>g/L-</u>	<u>lbs/gal-</u>
Chlorine Indicator	500	4.2
Containers	800	6.7
Electronic Circuit	850	7.1
Mechanically- Formed Products	800	6.7
Overlays	800	6.7
Polyethylene Products	800	6.7
Stained Glass Overlay	800	6.7
Sterilization Indicator	600	5.0
Sub-Printed Products	800	6.7
Water Slide Decals:		
Opaque Inks	800	6.7
Clear Inks	800	6.7
Ceramic Decal Inks	800	6.7

- (B) For screen printing coatings and inks not regulated by subparagraph (1)(A) and which are applied to the following specified substrates:

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

APPENDIX B: RULE EMISSION LIMITS [RULE 1130.1 12-13-1996]

VOC LIMIT

grams per Liter of Coating
(or Ink), Less water
and Less Exempt
Compounds

SUBSTRATE

On and After
December 13, 1996

	<u>g/L</u>	<u>lbs/gal</u>
Ceramic	800	6.7
Fiberglass	600	5.0
Glass or Metal	600	5.0
Man-Made Textile	800	6.7
Unsealed Aluminum	800	6.7

If a substrate is regulated under more than one substrate category listed in subparagraph (1)(B), the category with the highest VOC limit shall apply.

- (C) For screen printing materials not regulated by the provisions in subparagraph (1)(A) or (1)(B), which have the following material classifications:

**FACILITY PERMIT TO OPERATE
 LIFOAM INDUSTRIES, LLC**

**APPENDIX B: RULE EMISSION LIMITS
 [RULE 1130.1 12-13-1996]**

VOC LIMIT
 Grams of VOC per Liter of
 ExtremePerformance Screen
 Printing Material, Less Water and
Less Exempt Compounds

	<u>g/L</u>	<u>lbs/gal</u>
On and after July 9, 1993	800	6.7
On and after January 1, 2003	400	3.3

(3) Usage of High-VOC Serigraph Inks

The total usage of high-VOC serigraph inks, as defined in paragraph (b)(23) of Rule 1130.1, shall not exceed 10 percent, (by volume), of the total usage of screen printing materials applied on all serigraphs at a facility, on a monthly basis, unless an approved emission control system is used to reduce emissions from high-VOC serigraph inks by an equivalent or greater level to that which would have been achieved by the use of an ink containing 3.3 pounds per gallon VOC (less water and exempt compounds). The required overall control efficiency of the emission control system shall be determined by the equation in paragraph (d)(1) of Rule 1130.1.

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

APPENDIX B: RULE EMISSION LIMITS [RULE 1171 02-01-2008]

(1) Solvent Requirements

A person shall not use a solvent to perform solvent cleaning operations unless the solvent complies with the applicable requirements set forth below:

	CURRENT LIMITS*	EFFECTIVE 1/1/2008*	EFFECTIVE 1/1/2009
SOLVENT CLEANING ACTIVITY	VOC g/l (lb/gal)	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application			
(i) General	25 (0.21)		
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)		
(iii) Medical Devices & Pharmaceuticals	800 (6.7)		
(B) Repair and Maintenance Cleaning			
(i) General	25 (0.21)		
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)		

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

APPENDIX B: RULE EMISSION LIMITS [RULE 1171 02-01-2008]

	CURRENT LIMITS*	EFFECTIVE 1/1/2008*	EFFECTIVE 1/1/2009
SOLVENT CLEANING ACTIVITY (cont.)	VOC g/l (lb/gal)	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(iii) Medical Devices & Pharmaceuticals			
(A) Tools, Equipment, & Machinery	800 (6.7)		
(B) General Work Surfaces	600 (5.0)		
(C) Cleaning of Coatings or Adhesives Application Equipment	25 (0.21)		
(D) Cleaning of Ink Application Equipment			
(i) General	25 (0.21)		
(ii) Flexographic Printing	25 (0.21)		
(iii) Gravure Printing			
(A) Publication	100 (0.83)		
(B) Packaging	25 (0.21)		
(iv) Lithographic (Offset) or Letter Press Printing			
(A) Roller Wash, Blanket Wash, & On-Press Components			
(I) Newsprint	100 (0.83)		

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

APPENDIX B: RULE EMISSION LIMITS [RULE 1171 02-01-2008]

	CURRENT LIMITS*	EFFECTIVE 1/1/2008*	EFFECTIVE 1/1/2009
SOLVENT CLEANING ACTIVITY (cont.)	VOC g/l (lb/gal)	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(II) Other Substrates	500 (4.2)	100 (0.83)	
(B) Removable Press Components	25 (0.21)		
(v) Screen Printing	500 (4.2)	100 (0.83)	
(vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing)	650 (5.4)	650 (5.4)	100 (0.83)
(vii) Specialty Flexographic Printing	100 (0.83)		
(E) Cleaning of Polyester Resin Application Equipment	25 (0.21)		

* The specified limits remain in effect unless revised limits are listed in subsequent columns.

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

APPENDIX B: RULE EMISSION LIMITS [RULE 1171 05-01-2009]

(1) Solvent Requirements

A person shall not use a solvent to perform solvent cleaning operations unless the solvent complies with the applicable requirements set forth below:

	CURRENT LIMITS*	EFFECTIVE 1/1/2010
SOLVENT CLEANING ACTIVITY	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application		
(i) General	25 (0.21)	
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)	
(iii) Medical Devices & Pharmaceuticals	800 (6.7)	
(B) Repair and Maintenance Cleaning		
(i) General	25 (0.21)	
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)	

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

APPENDIX B: RULE EMISSION LIMITS [RULE 1171 05-01-2009]

	CURRENT LIMITS*	EFFECTIVE 1/1/2010
SOLVENT CLEANING ACTIVITY (cont.)	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(iii) Medical Devices & Pharmaceuticals		
(A) Tools, Equipment, & Machinery	800 (6.7)	
(B) General Work Surfaces	600 (5.0)	
(C) Cleaning of Coatings or Adhesives Application Equipment	25 (0.21)	
(D) Cleaning of Ink Application Equipment		
(i) General	25 (0.21)	
(ii) Flexographic Printing	25 (0.21)	
(iii) Gravure Printing		
(A) Publication	100 (0.83)	
(B) Packaging	25 (0.21)	
(iv) Lithographic (Offset) or Letter Press Printing		
(A) Roller Wash, Blanket Wash, & On-Press Components	100 (0.83)	

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

APPENDIX B: RULE EMISSION LIMITS [RULE 1171 05-01-2009]

	CURRENT LIMITS*	EFFECTIVE 1/1/2010
SOLVENT CLEANING ACTIVITY (cont.)	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(B) Removable Press Components	25 (0.21)	
(v) Screen Printing	100 (0.83)	
(vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing)	650 (5.4)	100 (0.83)
(vii) Specialty Flexographic Printing	100 (0.83)	
(E) Cleaning of Polyester Resin Application Equipment	25 (0.21)	

* The specified limits remain in effect unless revised limits are listed in subsequent columns.

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

APPENDIX B: RULE EMISSION LIMITS [RULE 404 02-07-1986]

The operator shall not discharge into the atmosphere from this equipment, particulate matter in excess of the concentration at standard conditions, shown in Table 404(a). Where the volume discharged is between figures listed in the Table, the exact concentration permitted to be discharged shall be determined by linear interpolation.

For the purposes of this rule, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

TABLE 404(a)

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
		Milligrams per Cubic Meter	Grains per Cubic Foot			Milligrams per Cubic Meter	Grains per Cubic Foot
Cubic meters Per Minute	Cubic feet Per Minute			Cubic meters Per Minute	Cubic feet Per Minute		
25 or less	883 or less	450	0.196	900	31780	118	0.0515
30	1059	420	.183	1000	35310	113	.0493
35	1236	397	.173	1100	38850	109	.0476
40	1413	377	.165	1200	42380	106	.0463
45	1589	361	.158	1300	45910	102	.0445

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

APPENDIX B: RULE EMISSION LIMITS [RULE 404 02-07-1986]

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter” Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
		Milligrams per Cubic Meter	Grains per Cubic Foot			Milligrams per Cubic Meter	Grains per Cubic Foot
Cubic meters Per Minute	Cubic feet Per Minute			Cubic meters Per Minute	Cubic feet Per Minute		
50	1766	347	.152	1400	49440	100	.0437
60	2119	324	.141	1500	52970	97	.0424
70	2472	306	.134	1750	61800	92	.0402
80	2825	291	.127	2000	70630	87	.0380
90	3178	279	.122	2250	79460	83	.0362
100	3531	267	.117	2500	88290	80	.0349
125	4414	246	.107	3000	105900	75	.0327
150	5297	230	.100	4000	141300	67	.0293
175	6180	217	.0947	5000	176600	62	.0271
200	7063	206	.0900	6000	211900	58	.0253
250	8829	190	.0830	8000	282500	52	.0227
300	10590	177	.0773	10000	353100	48	.0210
350	12360	167	.0730	15000	529700	41	.0179
400	14130	159	.0694	20000	706300	37	.0162
450	15890	152	.0664	25000	882900	34	.0148

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

APPENDIX B: RULE EMISSION LIMITS [RULE 404 02-07-1986]

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter” Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
		Milligrams per Cubic Meter	Grains per Cubic Foot			Milligrams per Cubic Meter	Grains per Cubic Foot
Cubic meters Per Minute	Cubic feet Per Minute			Cubic meters Per Minute	Cubic feet Per Minute		
500	17660	146	.0637	30000	1059000	32	.0140
600	21190	137	.0598	40000	1413000	28	.0122
700	24720	129	.0563	50000	1766000	26	.0114
800	28250	123	.0537	70000 or more	2472000 or more	23	.0100

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

APPENDIX B: RULE EMISSION LIMITS [RULE 405 02-07-1986]

The operator shall not discharge into the atmosphere from this equipment, solid particulate matter including lead and lead compounds in excess of the rate shown in Table 405(a).

Where the process weight per hour is between figures listed in the table, the exact weight of permitted discharge shall be determined by linear interpolation.

For the purposes of this rule, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

TABLE 405(a)

Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All Points of Process		Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All points of Process	
		Kilograms Per Hour	Pounds Per Hour			Kilograms Per Hour	Pounds Per Hour
100 or less	220 or less	0.450	0.99	9000	19840	5.308	11.7
150	331	0.585	1.29	10000	22050	5.440	12.0
200	441	0.703	1.55	12500	27560	5.732	12.6
250	551	0.804	1.77	15000	33070	5.982	13.2
300	661	0.897	1.98	17500	38580	6.202	13.7
350	772	0.983	2.17	20000	44090	6.399	14.1
400	882	1.063	2.34	25000	55120	6.743	14.9
450	992	1.138	2.51	30000	66140	7.037	15.5
500	1102	1.209	2.67	35000	77160	7.296	16.1
600	1323	1.340	2.95	40000	88180	7.527	16.6

FACILITY PERMIT TO OPERATE LIFOAM INDUSTRIES, LLC

APPENDIX B: RULE EMISSION LIMITS [RULE 405 02-07-1986]

Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All Points of Process		Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All points of Process	
		Kilograms Per Hour	Pounds Per Hour			Kilograms Per Hour	Pounds Per Hour
700	1543	1.461	3.22	45000	99210	7.738	17.1
800	1764	1.573	3.47	50000	110200	7.931	17.5
900	1984	1.678	3.70	60000	132300	8.277	18.2
1000	2205	1.777	3.92	70000	154300	8.582	18.9
1250	2756	2.003	4.42	80000	176400	8.854	19.5
1500	3307	2.206	4.86	90000	198400	9.102	20.1
1750	3858	2.392	5.27	100000	220500	9.329	20.6
2000	4409	2.563	5.65	125000	275600	9.830	21.7
2250	4960	2.723	6.00	150000	330700	10.26	22.6
2500	5512	2.874	6.34	175000	385800	10.64	23.5
2750	6063	3.016	6.65	200000	440900	10.97	24.2
3000	6614	3.151	6.95	225000	496000	11.28	24.9
3250	7165	3.280	7.23	250000	551200	11.56	25.5
3600	7716	3.404	7.50	275000	606300	11.82	26.1
4000	8818	3.637	8.02	300000	661400	12.07	26.6
4500	9921	3.855	8.50	325000	716500	12.30	27.1
5000	11020	4.059	8.95	350000	771600	12.51	27.6
6000	13230	4.434	9.78	400000	881800	12.91	28.5
7000	15430	4.775	10.5	450000	992100	13.27	29.3
8000	17640	5.089	11.2	500000 or more	1102000 or more	13.60	30.0