South Coast
Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

April 27, 2016

Ms. Roberta Reed
EHS Manager
3M Company
18750 Minnesota Road
Corona, CA 92881

Dear Ms. Reed:

SUBJECT: RECLAIM/Title V Facility Permit Revision (Facility ID: 800088)

Please find enclosed the revised Title Page, Table of Contents, Section D, and Section H of your RECLAIM/Title V Facility Permit. The revised sections reflect the approval of the permit revisions requested on your Application No. 555441. The Permit to Construct was issued on December 5, 2013 after no comments were received from the EPA upon their review. The equipment was source tested, as required, and the results were accepted as valid. This permit revision includes the replacement of an old burner for a newer low NOx burner. The changes are summarized below:

Removed from Section H and added to Section D

Equipment	Device No.	Application No.	Permit Type	Permit No.
Dryer No. 2	D168	555442	PO	G40047

Please review carefully and insert the enclosed sections into your RECLAIM/Title V Facility Permit and discard the earlier versions. Questions concerning changes to your permit should be directed to Mr. Richard Hawrylew at (909) 396-2657 or rhawrylew@aqmd.gov.

Sincerely,

Mohan Balagopalan
Senior Air Quality Engineering Manager
Chemical, Mechanical, and Ports Permitting
Engineering and Compliance Division

MB:rh
Enclosure

cc: Gerardo C. Rios, EPA Region IX – via email (R9AirPermits_SC@epa.gov)

South Coast Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4178

Title Page	
Facility ID:	800088
Revision #:	40
Date:	April 27, 2016

FACILITY PERMIT TO OPERATE

3M COMPANY
18750 MINNESOTA RD
CORONA, CA 92881

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.

Wayne Nastri
Acting Executive Officer

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

South Coast Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4178

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Facility ID: 800088
Revision #: 40
Date: April 27, 2016

FACILITY PERMIT TO OPERATE
3M COMPANY

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FACILITY PERMIT TO OPERATE
3M COMPANY

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: COLORED ROOFING GRANULE PRODUCTION					
System 3: RAW MATERIAL CRUSHING AND DRYING					S20.1
FEEDER, VIBRATING, AGGREGATE A/N: 322537	D32			**PM**: (9) **[RULE 405, 2-7-1986]**	A103.1, D323.1
FEEDER, VIBRATING, AGGREGATE A/N: 322537	D33			**PM**: (9) **[RULE 405, 2-7-1986]**	A103.1, D323.1
CONVEYOR, BELT, NO. 3, AGGREGATE A/N: 322537	D34			**PM**: (9) **[RULE 405, 2-7-1986]**	A103.1, D323.1
DRYER, ROTARY, NO. 1, NATURAL GAS, WITH LOW NOX BURNER, 35 MMBTU/HR WITH A/N: 322537 BURNER, NATURAL GAS, NORTH AMERICAN MANUFACTURING CO., MODEL 4213-22-LEX, WITH LOW NOX BURNER, 35 MMBTU/HR	D36	C39	NOX: LARGE SOURCE**	**CO**: 2000 PPMV (5) **[RULE 407, 4-2-1982]**; **NOX**: 38 PPMV NATURAL GAS (3) **[RULE 2012, 5-6-2005]**; **PM**: (9) **[RULE 405, 2-7-1986]**; **PM**: 0.1 GRAINS/SCF (5) **[RULE 409, 8-7-1981]**	C1.2, C1.3, D323.1
BUCKET ELEVATOR, NO. 11 A/N: 322537	D37	C39		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
BUCKET ELEVATOR, NO. 11A A/N: 322537	D347	C39		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, NO. 1, AGGREGATE, HEIGHT: 31 FT ; DIAMETER: 22 FT 8 IN A/N: 322537	D38	C40		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
CYCLONE, HEIGHT: 15 FT ; DIAMETER: 5 FT A/N: 323941	C39	D36 D37 C40 D347 D353 D354			E102.1

* (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
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Process 1: COLORED ROOFING GRANULE PRODUCTION					
BAGHOUSE, NO. 7, ICA, MODEL SIXE 625-6, NOMEX BAGS, 3750 SQ.FT.; 240 BAGS A/N: 323941	C40	D38 C39		**PM: (9) [RULE 404, 2-7-1986]**	D12.1, D322.1, D381.1, E102.1, E193.1, K67.2
System 4: DRIED ROCK CRUSHING AND SCREENING					
BUCKET ELEVATOR, NO. 1 A/N: 326718	D42	C68		**PM: (9) [RULE 405, 2-7-1986]**	D323.1
SCREEN, CLASSIFYING, CLASSIFYING, NO. 1, AGGREGATE A/N: 326718	D43	C329		**PM: (9) [RULE 405, 2-7-1986]**	D323.1
SCREEN, CLASSIFYING, CLASSIFYING, NO. 2, AGGREGATE A/N: 326718	D44	C329		**PM: (9) [RULE 405, 2-7-1986]**	D323.1
BIN, SURGE, NO. 1 A/N: 326718	D45	D58 C68		**PM: (9) [RULE 405, 2-7-1986]**	D323.1
BIN, SURGE, NO. 2 A/N: 326718	D46	D51		**PM: (9) [RULE 405, 2-7-1986]**	D323.1
BIN, SURGE, NO. 3 A/N: 326718	D47	C329		**PM: (9) [RULE 405, 2-7-1986]**	
BIN, SURGE, NO. 4 A/N: 326718	D48	C329		**PM: (9) [RULE 405, 2-7-1986]**	D323.1
BIN, SURGE, NO. 5 A/N: 326718	D49	C329		**PM: (9) [RULE 405, 2-7-1986]**	D323.1
BIN, SURGE, NO. 6 A/N: 326718	D50	C329		**PM: (9) [RULE 405, 2-7-1986]**	D323.1
BIN, SURGE, NO. 7, CRUSHER FEED A/N: 326718	D51	D46 D52 C68 D69		**PM: (9) [RULE 405, 2-7-1986]**	D323.1
BIN, SURGE, NO. 8, CRUSHER FEED A/N: 326718	D52	D51		**PM: (9) [RULE 405, 2-7-1986]**	D323.1
BIN, SURGE, NO. 9 A/N: 326718	D54	D53		**PM: (9) [RULE 405, 2-7-1986]**	D323.1

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(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Process 1: COLORED ROOFING GRANULE PRODUCTION					
BIN, SURGE, NO. 10 A/N: 326718	D55	D53		PM: (9) [RULE 405, 2-7-1986]	D323.1
BIN, SURGE, NO. 11 A/N: 326718	D56	D53		PM: (9) [RULE 405, 2-7-1986]	D323.1
BIN, SURGE, NO. 12 A/N: 326718	D57	D53		PM: (9) [RULE 405, 2-7-1986]	D323.1
BIN, SURGE, NO. 13, CRUSHER FEED A/N: 326718	D58	D45 D87 D330		PM: (9) [RULE 405, 2-7-1986]	D323.1
FEEDER, BELT A/N: 326718	D330	D58 D59		PM: (9) [RULE 405, 2-7-1986]	D323.1
CRUSHER, NO. 4, ROLL A/N: 326718	D59	D330		PM: (9) [RULE 405, 2-7-1986]	D323.1
BIN, SURGE, NO. 14, CRUSHER FEED A/N: 326718	D53	D54 D55 D56 D57 D66 D85 C329		PM: (9) [RULE 405, 2-7-1986]	D323.1
FEEDER, BELT, AGGREGATE A/N: 326718	D66	D53 D67		PM: (9) [RULE 405, 2-7-1986]	D323.1
CRUSHER, NO. 5, ROLL A/N: 326718	D67	D66		PM: (9) [RULE 405, 2-7-1986]	D323.1
BUCKET ELEVATOR, NO. 2 A/N: 326718	D61	C329		PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, DISTRIBUTOR NO. 1 A/N: 326718	D331	D62 D63 D64 D65 C329		PM: (9) [RULE 405, 2-7-1986]	D323.1
SCREEN, CLASSIFYING, CLASSIFYING, NO. 3, AGGREGATE A/N: 326718	D62	D331		PM: (9) [RULE 405, 2-7-1986]	D323.1
SCREEN, CLASSIFYING, CLASSIFYING, NO. 4, AGGREGATE A/N: 326718	D63	D331		PM: (9) [RULE 405, 2-7-1986]	D323.1
SCREEN, CLASSIFYING, CLASSIFYING, NO. 5, AGGREGATE A/N: 326718	D64	D331		PM: (9) [RULE 405, 2-7-1986]	D323.1

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Process 1: COLORED ROOFING GRANULE PRODUCTION					
SCREEN, CLASSIFYING, CLASSIFYING, NO. 6, AGGREGATE A/N: 326718	D65	D331		**PM: (9) [RULE 405, 2-7-1986]**	D323.1
BAGHOUSE, NO. 8, ICA, MODEL 625-5, 3125 SQ.FT. A/N: 327471	C68	D42 D45 D51 D336 D356		**PM: (9) [RULE 404, 2-7-1986]**	D12.1, D322.1, D381.1, E201.1, K67.2
BAGHOUSE, NO. 9, ICA, MODEL 625-7, 4375 SQ.FT. A/N: 327472	C329	D43 D44 D47 D48 D49 D50 D53 D61 D331 D336 D352		**PM: (9) [RULE 404, 2-7-1986]**	D12.1, D322.1, D381.1, E193.1, E201.1, K67.2
CONVEYOR, BELT, NO. 30, AGGREGATE A/N: 483638	D69	D51 D70		**PM: (9) [RULE 405, 2-7-1986]**	D323.1
BUCKET ELEVATOR, NO. 30 A/N: 483638	D70	D69 C105		**PM: (9) [RULE 405, 2-7-1986]**	D323.1
CONVEYOR, DISTRIBUTOR NO. 30 A/N: 483638	D332	C105		**PM: (9) [RULE 405, 2-7-1986]**	D323.1
SCREEN, CLASSIFYING, CLASSIFYING, NO. 36, AGGREGATE A/N: 483638	D71	C105		**PM: (9) [RULE 405, 2-7-1986]**	D323.1
SCREEN, CLASSIFYING, CLASSIFYING, NO. 37, AGGREGATE A/N: 483638	D72	C105		**PM: (9) [RULE 405, 2-7-1986]**	D323.1
SCREEN, CLASSIFYING, CLASSIFYING, NO. 30, AGGREGATE A/N: 483638	D73	C106		**PM: (9) [RULE 405, 2-7-1986]**	D323.1
SCREEN, CLASSIFYING, CLASSIFYING, NO. 31, AGGREGATE A/N: 483638	D74	C106		**PM: (9) [RULE 405, 2-7-1986]**	D323.1

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Process 1: COLORED ROOFING GRANULE PRODUCTION					
SCREEN, CLASSIFYING, CLASSIFYING, NO. 32, AGGREGATE A/N: 483638	D75	C106		**PM: (9) [RULE 405, 2-7-1986]**	D323.1
CONVEYOR, BELT, NO. 31, AGGREGATE A/N: 483638	D77	D78 C105		**PM: (9) [RULE 405, 2-7-1986]**	D323.1
BUCKET ELEVATOR, NO. 31 A/N: 483638	D78	D77 C105 D334		**PM: (9) [RULE 405, 2-7-1986]**	D323.1
CONVEYOR, DISTRIBUTOR NO. 31 A/N: 483638	D334	D78 C105		**PM: (9) [RULE 405, 2-7-1986]**	D323.1
SCREEN, CLASSIFYING, CLASSIFYING, NO. 38, AGGREGATE A/N: 483638	D79	C105		**PM: (9) [RULE 405, 2-7-1986]**	D323.1
SCREEN, CLASSIFYING, CLASSIFYING, NO. 39, AGGREGATE A/N: 483638	D80	C105		**PM: (9) [RULE 405, 2-7-1986]**	D323.1
SCREEN, CLASSIFYING, CLASSIFYING, NO. 33, AGGREGATE A/N: 483638	D81	C106		**PM: (9) [RULE 405, 2-7-1986]**	D323.1
SCREEN, CLASSIFYING, CLASSIFYING, NO. 34, AGGREGATE A/N: 483638	D82	C106		**PM: (9) [RULE 405, 2-7-1986]**	D323.1
SCREEN, CLASSIFYING, CLASSIFYING, NO. 35, AGGREGATE A/N: 483638	D83	C105		**PM: (9) [RULE 405, 2-7-1986]**	D323.1
CONVEYOR, SCREW, NO. 9, BAGHOUSE RECLAIM A/N: 483638	D352	C329		**PM: (9) [RULE 405, 2-7-1986]**	D323.1
CONVEYOR, BELT, NO. 33, AGGREGATE A/N: 483638	D85	D53 C105 C106		**PM: (9) [RULE 405, 2-7-1986]**	D323.1

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Process 1: COLORED ROOFING GRANULE PRODUCTION					
CONVEYOR, BELT, NO. 34, AGGREGATE A/N: 483638	D86	C106		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
CONVEYOR, BELT, NO. 36, AGGREGATE A/N: 483638	D87	D58		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
BIN, NO. 30, AGGREGATE A/N: 483638	D88	C106		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
BIN, NO. 31, AGGREGATE A/N: 483638	D89	C106		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
BIN, NO. 32, AGGREGATE A/N: 483638	D90	C106		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
BIN, NO. 33, AGGREGATE A/N: 483638	D91	C106		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
BIN, NO. 34, AGGREGATE A/N: 483638	D92	C106		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
BIN, NO. 35, AGGREGATE A/N: 483638	D93	C106		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
BIN, NO. 36, AGGREGATE A/N: 483638	D94	D96 D333		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
FEEDER, AGGREGATE, BELT A/N: 483638	D333	D76 D94		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
CRUSHER, NO. 6 A/N: 483638	D76	D333		**PM**: (9) **[RULE 405, 2-7-1986]**	C1.5, D323.1
BIN, NO. 37, AGGREGATE A/N: 483638	D95	D97 D335		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
FEEDER, AGGREGATE, BELT A/N: 483638	D335	D84 D95		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
CRUSHER, NO. 7 A/N: 483638	D84	D335		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1

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Process 1: COLORED ROOFING GRANULE PRODUCTION					
CONVEYOR, SCREW, NO. 8, BAGHOUSE RECLAIM A/N: 483652	D356	C68		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
BIN, DUST STORAGE A/N: 483652	D353	C39		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
CONVEYOR, SCREW, NO. 7, DUST TRANSPORT A/N: 483652	D354	C39		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
CONVEYOR, BELT, NO. 32 A/N: 483638	D336	C68 C329 D337		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
BUCKET ELEVATOR, NO. 32 A/N: 483638	D337	C105 D336		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
BIN, NO. 38, AGGREGATE A/N: 483638	D96	D94 C106		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
MILL, PUG, AGGREGATE, WET WASTE A/N: 483638	D100	C106		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
CONVEYOR, BELT, NO. 40 A/N: 483638	D376			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
CONVEYOR, PNEUMATIC, NO. 100 TRANSPORT, BAGHOUSE NO. 12 RECLAIM A/N: 483638	D338			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
CONVEYOR, PNEUMATIC, NO. 200 TRANSPORT, BAGHOUSE NO. 13 RECLAIM A/N: 483638	D339			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
BIN, NO. 39, AGGREGATE A/N: 483638	D97	D95 C106		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
CONVEYOR, SCREW, NO. 39A, DUST TRANSPORT A/N: 483652	D357	C106 D358		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1

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Process 1: COLORED ROOFING GRANULE PRODUCTION					
CONVEYOR, SCREW, NO. 39B, DUST TRANSPORT A/N: 483652	D358	D357		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
CONVEYOR, SCREW, NO. 40A A/N: 483638	D374			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
CONVEYOR, SCREW, NO. 40B A/N: 483638	D375			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
BAGHOUSE, NO. 11, ICA, MODEL 625-8, 5000 SQ.FT. A/N: 327475	C105	D70 D71 D72 D77 D78 D79 D80 D83 D85 D332 D334 D337		**PM**: (9) **[RULE 404, 2-7-1986]**	D12.1, D322.1, D381.1, E193.1, E201.1, K67.2
BAGHOUSE, NO. 10, SENECA ENVIRONMENTAL, MODEL 414-THS-10, 9754 SQ. FT., TWO COMPARTMENT, WITH GOYEN, MODEL BBD5, BAG LEAK DETECTION SYSTEM A/N: 510451	C106	D73 D74 D75 D81 D82 D85 D86 D88 D89 D90 D91 D92 D93 D96 D97 D100 D159 D357		**PM**: (9) **[RULE 404, 2-7-1986]**	D12.1, D322.1, D381.1, E193.1, E201.1, H23.4, K67.2
System 5: MATERIAL CRUSHING, SCREENING AND LOAD-OUT					S20.1
CONVEYOR, BELT, NO. 16, H-GRADE A/N: 483652	D107	C369		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
BUCKET ELEVATOR, NO. 15 A/N: 483652	D108	C369		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
SCREEN, CLASSIFYING, CLASSIFYING, NO. 11, 4 ROTEX A/N: 483652	D113	C369		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
CONVEYOR, BELT, NO. 51 A/N: 483652	D370	C369		**PM**: (9) **[RULE 405, 2-7-1986]**	A63.1, D323.1
BUCKET ELEVATOR, NO. 52 A/N: 483652	D140	D371		**PM**: (9) **[RULE 405, 2-7-1986]**	B59.1, 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

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FACILITY PERMIT TO OPERATE
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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: COLORED ROOFING GRANULE PRODUCTION					
CONVEYOR, BELT, NO. 52 A/N: 483652	D371	D140 D143 D144		**PM**: (9) **[RULE 405, 2-7-1986]**	B59.1, D323.1
STORAGE SILO, HEAD LAP, HEIGHT: 64 FT ; DIAMETER: 21 FT A/N: 483652	D143	D371		**PM**: (9) **[RULE 405, 2-7-1986]**	B59.1, D323.1
STORAGE SILO, HEAD LAP, HEIGHT: 64 FT ; DIAMETER: 21 FT A/N: 483652	D144	D371		**PM**: (9) **[RULE 405, 2-7-1986]**	B59.1, D323.1
CONVEYOR, BELT, FEEDER A/N: 483652	D372	D147		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
CONVEYOR, BELT, FEEDER A/N: 483652	D373	D147		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
BUCKET ELEVATOR, NO. 53 A/N: 483652	D147	D372 D373		**PM**: (9) **[RULE 405, 2-7-1986]**	B59.1, D323.1
BULK MATERIAL LOAD/UNLOAD STATION, TRUCK/RAILCAR LOADING STATION A/N: 483652	D151			**PM**: (9) **[RULE 405, 2-7-1986]**	B59.1, C1.4, D323.1
BULK MATERIAL LOAD/UNLOAD STATION, TRUCK/RAILCAR LOADING STATION A/N: 483652	D152			**PM**: (9) **[RULE 405, 2-7-1986]**	B59.1, C1.4, D323.1
BAGHOUSE, NO. 6, SENECA ENVIRONMENTAL PRODUCTS, MODEL 63-FMTHSCART-78, 31.6 HP, 3085 SQ.FT.; 63 BAGS A/N: 367235	C369	D107 D108 D113 D370		**PM**: (9) **[RULE 404, 2-7-1986]**	D12.1, D322.1, D381.1, E201.1, K67.2
System 6: DRIED RAW GRANULE CONVEYING AND STORAGE					S20.1
CONVEYOR, BELT, NO. 5, RAW GRANULE A/N: 01641R	D159	C106 C165		**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

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: COLORED ROOFING GRANULE PRODUCTION					
BUCKET ELEVATOR, NO. 14 A/N: 01641R	D160	C165		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
BULK MATERIAL LOAD/UNLOAD STATION, RAW GRANULE, TRUCK LOADING STATION A/N: 01641R	D161			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, NO. 2, RAW GRANULE, HEIGHT: 60 FT 8 IN; DIAMETER: 20 FT 6 IN A/N: 01641R	D162	C165		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, NO. 3, RAW GRANULE, HEIGHT: 60 FT 8 IN; DIAMETER: 20 FT 6 IN A/N: 01641R	D163	C165		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, RAW GRANULE, 80 TONS A/N: 01641R	D164			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
BAGHOUSE, NO. 12, ICA, MODEL 625-3, 1875 SQ.FT. A/N: 00815E	C165	D159 D160 D162 D163 D166 D167		**PM**: (9) **[RULE 404, 2-7-1986]**	D322.1, D381.1, E201.1, K67.2
System 7: GRANULE COLORING FEED END SYSTEM					S20.1
CONVEYOR, BELT, NO. 17, GRANULE A/N: 555442	D166	C165		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
BUCKET ELEVATOR, NO. 16 A/N: 555442	D167	C165		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1

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(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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: COLORED ROOFING GRANULE PRODUCTION					
DRYER, ROTARY, NO. 2, NATURAL GAS, PREHEATER, WITH LOW NOX BURNER, 28 MMBTU/HR WITH A/N: 555442 BURNER, NATURAL GAS, MAXON, MODEL KINEDIZER 10, WITH LOW NOX BURNER, 28 MMBTU/HR	D168	C172	NOX: LARGE SOURCE**	**CO**: 2000 PPMV (5) **[RULE 407, 4-2-1982]**; **NOX**: 40 PPMV NATURAL GAS (3) **[RULE 2012, 5-6-2005]**; **PM**: (9) **[RULE 405, 2-7-1986]**; **PM**: 0.1 GRAINS/SCF (5) **[RULE 409, 8-7-1981]**	C1.7, D12.4, D323.1
CONVEYOR, BELT, NO. 6, GRANULE A/N: 555442	D169	C172 C324		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
BUCKET ELEVATOR, NO. 3 A/N: 555442	D170	C324		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
BUCKET ELEVATOR, NO. 3A A/N: 555442	D171	C324		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
BAGHOUSE, NO. 13, ICA, MODEL 625-6, 3750 SQ.FT. A/N: 483654	C172	D168 D169 D351		**PM**: (9) **[RULE 404, 2-7-1986]**	D322.1, D381.1, E193.1, E201.1, K67.2
CONVEYOR, AIR SLIDE, NO. 9, BAGHOUSE RECLAIM, EMERGENCY A/N: 483654	D350			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
BULK MATERIAL LOAD/UNLOAD STATION, BAGHOUSE RECLAIM, EMERGENCY TRUCK LOADOUT A/N: 483654	D351	C172		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
System 8: GRANULE COLORING LINE NO.1					S20.1
BIN, SURGE, A, 75 TONS A/N: 555442	D173	C324		**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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: COLORED ROOFING GRANULE PRODUCTION					
CONVEYOR, BELT, NO. 10, GRANULE, REVERSIBLE A/N: 555442	D188			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
CONVEYOR, BELT, NO. 41A, REVERSIBLE A/N: 555442	D388			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
CONVEYOR, BELT, NO. 41B A/N: 555442	D389			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
CONVEYOR, BELT, NO. 14, GRANULE, REVERSIBLE A/N: 542979	D202			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
FEEDER, GRANULE, WEIGH A/N: 555442	D177	C324		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
FEEDER, ADDITIVE A/N: 555442	D361			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
HOPPER, SURGE, NO. 1, 4 CU.FT. CAPACITY A/N: 555442	D380			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
HOPPER, RECEIVING, 30 CU.FT. CAPACITY WITH A/N: 555442 FILTER, PULSE JET CLEANING, 14 BAGS, 148 SQ.FT. TOTAL FILTER AREA	D381			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
MIXER, PIGMENT SLURRY, POT A/N: 555442	D174	C189		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
MIXER, SLURRY, HOLDING POT A/N: 555442	D175			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1

* (1) (1A) (1B) Denotes RECLAIM emission factor
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(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.)
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: COLORED ROOFING GRANULE PRODUCTION					
MIXER, GRANULE, ROTARY WITH A/N: 555442	D178	C189		**CO**: 2000 PPMV (5) **[RULE 407, 4-2-1982]**; **NOX**: 130 LBS/MMSCF NATURAL GAS (1) **[RULE 2012, 5-6-2005]**; **PM**: (9) **[RULE 405, 2-7-1986]**; **PM**: 0.1 GRAINS/SCF (5) **[RULE 409, 8-7-1981]**	D323.1
HEATER, NATURAL GAS, NORTH AMERICAN, WITH EXHAUST TEMPERATURE CONTROL, 1 MMBTU/HR	D179		NOX: PROCESS UNIT**		
BUCKET ELEVATOR, NO. 4 A/N: 555442	D180	D181		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
KILN, NO. 1, NATURAL GAS, WITH LOW NOX BURNER, 42 MMBTU/HR WITH A/N: 555442	D181	D180 C190	NOX: MAJOR SOURCE - SUPER COMPLIANT **	**CO**: 155 LBS/MMSCF NATURAL GAS (5) **[RULE 1303(b)(2)-Offset, 5-10-1996;** *RULE 1303(b)(2)-Offset, 12-6-2002*]; **CO**: 2000 PPMV (5) **[RULE 407, 4-2-1982]**; **NOX**: 32 PPMV NATURAL GAS (3) **[RULE 2012, 5-6-2005]**; **PM**: (9) **[RULE 405, 2-7-1986]**; **PM**: 0.1 GRAINS/SCF (5) **[RULE 409, 8-7-1981]**	D12.3, D28.1, D323.1
BURNER, NATURAL GAS, MAXON, MODEL 16" OPTIMA SLS, WITH LOW NOX BURNER, 42 MMBTU/HR					

* (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
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: COLORED ROOFING GRANULE PRODUCTION					
COOLER, GRANULE, WITH WATER, OIL, ADHESION PROMOTER(S) AND/OR DUST SUPPRESSANT(S) INJECTION A/N: 555442	D182	C191		**PM**: (9) **[RULE 405, 2-7-1986]**	A63.1, D323.1
BUCKET ELEVATOR, NO. 6 A/N: 555442	D183	C325		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
SCREEN, CLASSIFYING, CLASSIFYING, NO. 20, GRANULE A/N: 555442	D184			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
BIN, SURGE, SCREEN WASTE A/N: 555442	D185	C325		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
BIN, SURGE, SCREEN BLEND, NO. 2 LINE, 15 TONS A/N: 542979	D317	C325		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
CONVEYOR, BELT, NO. 9, GRANULE A/N: 555442	D186	C325		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
CONVEYOR, BELT, NO. 13, GRANULE A/N: 555442	D187	C325		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
CONVEYOR, BELT, NO. 11 A/N: 555442	D363	C325		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
BAGHOUSE, NO. 16, FABRIC FILTER, MODEL SQD-144-10-ARRG 111 A/N: 119897	C189	D174 D178		**PM**: (9) **[RULE 404, 2-7-1986]**	D12.1, D322.1, D381.1, E193.1, E201.1, K67.2
CONVEYOR, PNEUMATIC, BAGHOUSE NO. 16 RECLAIM A/N: 119897	D364			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1

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(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
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Process 1: COLORED ROOFING GRANULE PRODUCTION					
BAGHOUSE, NO. 17, SENECA ENVIRONMENTAL, MODEL 558-THSBV-10 A/N: 131909	C190	D181		**PM**: (9) **[RULE 404, 2-7-1986]**	D12.1, D322.1, D381.1, E193.1, E201.1, K67.2
CONVEYOR, PNEUMATIC, BAGHOUSE NO. 17 RECLAIM A/N: 131909	D365			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
SCRUBBER, VENTURI, DUCON, TYPE UW-3, MODEL III, SIZE 84, WITH A 125-HP BLOWER A/N: 538735	C191	D182		**PM**: (9) **[RULE 404, 2-7-1986]**	C8.1, D12.2, D381.1, E193.2, H23.4, K67.3
System 9: GRANULE COLORING LINE NO.2					
BIN, SURGE, B, 75 TONS A/N: 542979	D192	C324		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
CONVEYOR, BELT, NO. 42A, REVERSIBLE A/N: 542979	D390			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
CONVEYOR, BELT, NO. 42B A/N: 542979	D391			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
CONVEYOR, BELT, NO. 10, GRANULE, REVERSIBLE A/N: 555442	D188			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
CONVEYOR, BELT, NO. 14, GRANULE, REVERSIBLE A/N: 542979	D202			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
FEEDER, GRANULE, WEIGH A/N: 542979	D194	C324		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
FEEDER, ADDITIVE A/N: 542979	D362			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1

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(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.)
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: COLORED ROOFING GRANULE PRODUCTION					
HOPPER, SURGE, NO. 2, 4 CU.FT. CAPACITY A/N: 542979	D383			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
HOPPER, RECEIVING, 30 CU.FT. CAPACITY WITH A/N: 542979 FILTER, PULSE JET CLEANING, 14 BAGS, 148 SQ.FT. TOTAL FILTER AREA	D384			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
MIXER, PIGMENT SLURRY, POT A/N: 542979	D193	C203		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
MIXER, SLURRY, HOLDING POT A/N: 542979	D176			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
MIXER, GRANULE, ROTARY WITH A/N: 542979	D195	C203		**CO**: 2000 PPMV (5) **[RULE 407, 4-2-1982]**; **NOX**: 130 LBS/MMSCF NATURAL GAS (1) **[RULE 2012, 5-6-2005]**; **PM**: (9) **[RULE 405, 2-7-1986]**; **PM**: 0.1 GRAINS/SCF (5) **[RULE 409, 8-7-1981]**	D323.1
HEATER, NATURAL GAS, NORTH AMERICAN, 1 MMBTU/HR	D196		NOX: PROCESS UNIT**		
BUCKET ELEVATOR, NO. 5 A/N: 542979	D197	D198		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1

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(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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: COLORED ROOFING GRANULE PRODUCTION					
KILN, NO. 2, NATURAL GAS, WITH LOW NOX BURNER, 42 MMBTU/HR WITH A/N: 542979	D198	D197 C204	NOX: MAJOR SOURCE - SUPER COMPLIANT **	**CO**: 155 LBS/MMSCF NATURAL GAS (5) **[RULE 1303(b)(2)-Offset, 5-10-1996;** *RULE 1303(b)(2)-Offset, 12-6-2002*]; **CO**: 2000 PPMV (5) **[RULE 407, 4-2-1982]**; **NOX**: 32 PPMV NATURAL GAS (3) **[RULE 2012, 5-6-2005]**; **PM**: (9) **[RULE 405, 2-7-1986]**; **PM**: 0.1 GRAINS/SCF (5) **[RULE 409, 8-7-1981]**	D12.3, D28.1, D323.1
BURNER, NATURAL GAS, MAXON, MODEL 16" OPTIMA SLS, WITH LOW NOX BURNER, 42 MMBTU/HR					
COOLER, GRANULE, WITH WATER, OIL, ADHESION PROMOTER(S) AND/OR DUST SUPPRESSANT(S) INJECTION A/N: 542979	D199	C205		**PM**: (9) **[RULE 405, 2-7-1986]**	A63.1, D323.1
BUCKET ELEVATOR, NO. 7 A/N: 542979	D200	C325		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
SCREEN, CLASSIFYING, CLASSIFYING, NO. 21, GRANULE A/N: 542979	D201			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
BIN, SURGE, SCREEN WASTE, NO. 2 LINE, 15 TONS A/N: 542979	D316	C325		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
BIN, SURGE, SCREEN BLEND, NO. 2 LINE, 15 TONS A/N: 542979	D317	C325		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1

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(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

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FACILITY PERMIT TO OPERATE
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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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Process 1: COLORED ROOFING GRANULE PRODUCTION					
CONVEYOR, BELT, NO. 9, GRANULE A/N: 555442	D186	C325		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
CONVEYOR, BELT, NO. 13, GRANULE A/N: 555442	D187	C325		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
CONVEYOR, BELT, NO. 11 A/N: 555442	D363	C325		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
BAGHOUSE, NO. 15, FABRIC FILTER, MODEL SQD-144-10-ARRG 111 A/N: 119898	C203	D193 D195		**PM**: (9) **[RULE 404, 2-7-1986]**	D12.1, D322.1, D381.1, E193.1, E201.1, K67.2
CONVEYOR, PNEUMATIC, BAGHOUSE NO. 15 RECLAIM A/N: 119898	D366			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
BAGHOUSE, NO. 18, SENECA ENVIRONMENTAL, MODEL 558-THSBV-10 A/N: 131910	C204	D198		**PM**: (9) **[RULE 404, 2-7-1986]**	D12.1, D322.1, D381.1, E193.1, E201.1, K67.2
CONVEYOR, PNEUMATIC, BAGHOUSE NO. 18 RECLAIM A/N: 131910	D367			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
SCRUBBER, VENTURI, DUCON, TYPE UW-3, MODEL III, SIZE 84, WITH A 125-HP BLOWER A/N: 538736	C205	D199		**PM**: (9) **[RULE 404, 2-7-1986]**	C8.1, D12.2, D381.1, E193.2, H23.4, K67.3
System 10: FINISHED GRANULE STORAGE					
STORAGE SILO, A-1, GRANULE, HEIGHT: 36 FT ; DIAMETER: 8 FT A/N: 01633R	D206			**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
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Process 1: COLORED ROOFING GRANULE PRODUCTION					
STORAGE SILO, A-2, GRANULE, HEIGHT: 36 FT ; DIAMETER: 8 FT A/N: 01633R	D207			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, A-3, GRANULE, HEIGHT: 36 FT ; DIAMETER: 8 FT A/N: 01633R	D208			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, A-4, GRANULE, HEIGHT: 36 FT ; DIAMETER: 8 FT A/N: 01633R	D209			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, A-5, GRANULE, HEIGHT: 36 FT ; DIAMETER: 8 FT A/N: 01633R	D210			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, A-6, GRANULE, HEIGHT: 36 FT ; DIAMETER: 8 FT A/N: 01633R	D211			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, A-7, GRANULE, HEIGHT: 36 FT ; DIAMETER: 8 FT A/N: 01633R	D212			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, A-8, GRANULE, HEIGHT: 36 FT ; DIAMETER: 8 FT A/N: 01633R	D213			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, A-9, GRANULE, HEIGHT: 36 FT ; DIAMETER: 8 FT A/N: 01633R	D214			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, A-10, GRANULE, HEIGHT: 36 FT ; DIAMETER: 8 FT A/N: 01633R	D215			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, A-11, GRANULE, HEIGHT: 36 FT ; DIAMETER: 8 FT A/N: 01633R	D216			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, A-12, GRANULE, HEIGHT: 36 FT ; DIAMETER: 8 FT A/N: 01633R	D217			**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

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Process 1: COLORED ROOFING GRANULE PRODUCTION					
STORAGE SILO, A-13, GRANULE, HEIGHT: 36 FT ; DIAMETER: 8 FT A/N: 01633R	D218			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, A-14, GRANULE, HEIGHT: 36 FT ; DIAMETER: 8 FT A/N: 01633R	D219	C324		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, B-1, GRANULE, HEIGHT: 36 FT ; DIAMETER: 8 FT A/N: 01633R	D220			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, B-2, GRANULE, HEIGHT: 36 FT ; DIAMETER: 8 FT A/N: 01633R	D221			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, B-3, GRANULE, HEIGHT: 36 FT ; DIAMETER: 8 FT A/N: 01633R	D222			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, B-4, GRANULE, HEIGHT: 36 FT ; DIAMETER: 8 FT A/N: 01633R	D223			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, B-5, GRANULE, HEIGHT: 36 FT ; DIAMETER: 8 FT A/N: 01633R	D224			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, B-6, GRANULE, HEIGHT: 36 FT ; DIAMETER: 8 FT A/N: 01633R	D225			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, B-7, GRANULE, HEIGHT: 36 FT ; DIAMETER: 8 FT A/N: 01633R	D226			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, B-8, GRANULE, HEIGHT: 36 FT ; DIAMETER: 8 FT A/N: 01633R	D227			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, B-9, GRANULE, HEIGHT: 36 FT ; DIAMETER: 8 FT A/N: 01633R	D228			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1

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(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

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Process 1: COLORED ROOFING GRANULE PRODUCTION					
STORAGE SILO, B-10, GRANULE, HEIGHT: 36 FT ; DIAMETER: 8 FT A/N: 01633R	D229			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, B-11, GRANULE, HEIGHT: 36 FT ; DIAMETER: 8 FT A/N: 01633R	D230			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, B-12, GRANULE, HEIGHT: 36 FT ; DIAMETER: 8 FT A/N: 01633R	D231			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, B-13, GRANULE, HEIGHT: 36 FT ; DIAMETER: 8 FT A/N: 01633R	D232			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, B-14, GRANULE, HEIGHT: 36 FT ; DIAMETER: 8 FT A/N: 01633R	D233	C324		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, C-1, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D234			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, C-2, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D235			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, C-3, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D236			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, C-4, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D237			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1

* (1) (1A) (1B) Denotes RECLAIM emission factor
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(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
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(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Process 1: COLORED ROOFING GRANULE PRODUCTION					
STORAGE SILO, C-5, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D238			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, C-6, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D239			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, C-7, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D240			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, C-8, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D241			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, C-9, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D242			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, C-10, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D243			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, C-11, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D244			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, C-12, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D245			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1

* (1) (1A) (1B) Denotes RECLAIM emission factor
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(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
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Process 1: COLORED ROOFING GRANULE PRODUCTION					
STORAGE SILO, C-13, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D246			**PM: (9) [RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, C-14, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D247			**PM: (9) [RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, C-15, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D248			**PM: (9) [RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, C-16, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D249			**PM: (9) [RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, C-17, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D250			**PM: (9) [RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, C-18, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D251			**PM: (9) [RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, C-19, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D252			**PM: (9) [RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, C-20, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D253			**PM: (9) [RULE 405, 2-7-1986]**	D323.1

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(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
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(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Process 1: COLORED ROOFING GRANULE PRODUCTION					
STORAGE SILO, C-21, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D254			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, C-22, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D255			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, D-1, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D256			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, D-2, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D257			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, D-3, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D258			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, D-4, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D259			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, D-5, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D260			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, D-6, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D261			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1

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(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
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(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Process 1: COLORED ROOFING GRANULE PRODUCTION					
STORAGE SILO, D-7, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D262			**PM: (9) [RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, D-8, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D263			**PM: (9) [RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, D-9, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D264			**PM: (9) [RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, D-10, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D265			**PM: (9) [RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, D-11, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D266			**PM: (9) [RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, D-12, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D267			**PM: (9) [RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, D-13, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D268			**PM: (9) [RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, D-14, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D269			**PM: (9) [RULE 405, 2-7-1986]**	D323.1

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(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.)
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: COLORED ROOFING GRANULE PRODUCTION					
STORAGE SILO, D-15, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D270			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, D-16, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D271			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, D-17, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D272			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, D-18, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D273			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, D-19, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D274			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, D-20, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D275			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, D-21, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D276			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, D-22, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D277			**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
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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: COLORED ROOFING GRANULE PRODUCTION					
STORAGE SILO, E-1, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D278			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, E-2, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D279			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, E-3, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D280			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, E-4, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D281			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, E-5, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D282			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, E-6, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D283			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, E-7, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D284			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, E-8, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D285			**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

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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: COLORED ROOFING GRANULE PRODUCTION					
STORAGE SILO, E-9, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D286			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, E-10, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D287			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, E-11, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D288			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, E-12, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D289			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, E-13, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D290			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, E-14, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D291			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, E-15, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D292			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, E-16, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D293			**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.

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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: COLORED ROOFING GRANULE PRODUCTION					
STORAGE SILO, E-17, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D294			**PM: (9) [RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, E-18, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D295			**PM: (9) [RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, E-19, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D296			**PM: (9) [RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, E-20, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D297			**PM: (9) [RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, E-21, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D298			**PM: (9) [RULE 405, 2-7-1986]**	D323.1
STORAGE SILO, E-22, GRANULE, HEIGHT: 40 FT ; DIAMETER: 8 FT 4 IN A/N: 02513R	D299			**PM: (9) [RULE 405, 2-7-1986]**	D323.1
System 11: FINISHED GRANULE BAGGING AND BULK LOADOUT					S20.1
CONVEYOR, BELT, NO. 10, GRANULE, REVERSIBLE A/N: 555442	D188			**PM: (9) [RULE 405, 2-7-1986]**	D323.1
CONVEYOR, BELT, NO. 14, GRANULE, REVERSIBLE A/N: 542979	D202			**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

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FACILITY PERMIT TO OPERATE
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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: COLORED ROOFING GRANULE PRODUCTION					
CONVEYOR, BELT, NO. 12, GRANULE A/N: 326721	D300			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
BUCKET ELEVATOR, NO. 9 A/N: 326721	D301	C325		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
BUCKET ELEVATOR, NO. 21 A/N: 326721	D302	C325		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
SCREEN, CLASSIFYING, CLASSIFYING, NO. 8 A/N: 326721	D303			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
BIN, SURGE, WITH SACKING SCALE, 53 TONS A/N: 326721	D304			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
PACKAGING MACHINE, GRANULE A/N: 326721	D305	C325		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
BIN, SURGE, SCREEN WASTE, 5 TONS A/N: 326721	D306			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
BULK MATERIAL LOAD/UNLOAD STATION, GRANULE, TRUCK AND RAILCAR LOADING STATION A/N: 326721	D307			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
CONVEYOR, BELT, NO. 20, GRANULE A/N: 326721	D308			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
CONVEYOR, NO. 21, GRANULE A/N: 326721	D309			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
BUCKET ELEVATOR, NO. 8 A/N: 326721	D310	C325		**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
BIN, SURGE, WITH SACKING SCALE, 15 TONS A/N: 326721	D312			**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
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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: COLORED ROOFING GRANULE PRODUCTION					
BIN, SURGE, SCREEN WASTE, 5 TONS A/N: 326721	D314			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
CONVEYOR, BELT, NO. 19, GRANULE A/N: 326721	D318			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
BULK MATERIAL LOAD/UNLOAD STATION, GRANULE, TRUCK AND RAILCAR LOADING STATION A/N: 326721	D319			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
CONVEYOR, BELT, NO. 22 A/N: 326721	D348			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
CONVEYOR, BELT, NO. 25, SCALE A/N: 326721	D349			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
System 12: AIR POLLUTION CONTROL					
BAGHOUSE, NO. 14, FABRIC FILTER, MODEL SQW-360-10-ARRG 11 A/N: 483657	C324	D169 D170 D171 D173 D177 D192 D194 D219 D233		**PM**: (9) **[RULE 404, 2-7-1986]**	D12.1, D322.1, D381.1, K67.2
CYCLONE, MULTICLONE A/N: 00239R	C325	D183 D185 D186 D187 D200 D301 D302 D305 D310 D316 D317 D363		**PM**: (9) **[RULE 404, 2-7-1986]**	D381.1, E201.1
Process 2: R-219 EXEMPT EQUIPMENT SUBJECT TO SOURCE-SPECIFIC RULES					
RULE 219 EXEMPT EQUIPMENT, CLEANING EQUIPMENT, SMALL, UNHEATED, NON-CONVEYORIZED	E342			**VOC**: (9) **[RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	H23.1

* (1) (1A) (1B) Denotes RECLAIM emission factor
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(5) (5A) (5B) Denotes command and control emission limit
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(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

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FACILITY PERMIT TO OPERATE
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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: R-219 EXEMPT EQUIPMENT SUBJECT TO SOURCE-SPECIFIC RULES					
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E343			**ROG**: (9) **[RULE 1113, 11-8-1996; RULE 1113, 6-3-2011; RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009*]	K67.1
Process 3: FUEL STORAGE AND DISPENSING					
STORAGE TANK, ABOVE GROUND, CONTAINMENT SOLUTIONS HOOVER VAULT (VR-301-E),, GASOLINE, HUSKY 5885 PRESSURE/VACUUM REL. VLV., MORRISON BROS. PH. I EVR SYSTEM (VR-402-B), WITH SUBMERGED FILLING, PHASE I VAPOR RECOVERY SYSTEM, 500 GALS; WIDTH: 4 FT 7 IN; HEIGHT: 3 FT 9 IN; LENGTH: 6 FT 8 IN A/N: 559261	D378				C1.6, D330.1, E71.1, E193.3, H23.3, H23.5, J109.1, J373.1, K171.1
FUEL DISPENSING NOZZLE, BALANCE RETRACTOR PHASE II CONTROL, GASOLINE, ONE PRODUCT, (G-70-52-AM), WITH PHASE II VAPOR RECOVERY SYSTEM A/N: 559261	D379				C1.6, D330.1, E71.1, E193.3, H23.3, J110.1, J373.2, K171.1

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

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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.

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SECTION D: DEVICE ID INDEX

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D199	17	1	9
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D201	17	1	9
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D246	23	1	10
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D278	27	1	10
D279	27	1	10
D280	27	1	10
D281	27	1	10
D282	27	1	10
D283	27	1	10
D284	27	1	10
D285	27	1	10
D286	28	1	10
D287	28	1	10

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3M COMPANY

SECTION D: DEVICE ID INDEX

Device Index For Section D

Device ID	Section D Page No.	Process	System
D288	28	1	10
D289	28	1	10
D290	28	1	10
D291	28	1	10
D292	28	1	10
D293	28	1	10
D294	29	1	10
D295	29	1	10
D296	29	1	10
D297	29	1	10
D298	29	1	10
D299	29	1	10
D300	30	1	11
D301	30	1	11
D302	30	1	11
D303	30	1	11
D304	30	1	11
D305	30	1	11
D306	30	1	11
D307	30	1	11
D308	30	1	11
D309	30	1	11
D310	30	1	11
D312	30	1	11
D314	31	1	11
D316	17	1	9
D317	14	1	8
D317	17	1	9
D318	31	1	11
D319	31	1	11
C324	31	1	12
C325	31	1	12
C329	4	1	4
D330	3	1	4
D331	3	1	4

FACILITY PERMIT TO OPERATE
3M COMPANY

SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	**Section D Page No.**	**Process**	**System**
D332	4	1	4
D333	6	1	4
D334	5	1	4
D335	6	1	4
D336	7	1	4
D337	7	1	4
D338	7	1	4
D339	7	1	4
E342	31	2	0
E343	32	2	0
D347	1	1	3
D348	31	1	11
D349	31	1	11
D350	11	1	7
D351	11	1	7
D352	5	1	4
D353	7	1	4
D354	7	1	4
D356	7	1	4
D357	7	1	4
D358	8	1	4
D361	12	1	8
D362	15	1	9
D363	14	1	8
D363	18	1	9
D364	14	1	8
D365	15	1	8
D366	18	1	9
D367	18	1	9
C369	9	1	5
D370	8	1	5
D371	9	1	5
D372	9	1	5
D373	9	1	5
D374	8	1	4

FACILITY PERMIT TO OPERATE
3M COMPANY

SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	**Section D Page No.**	**Process**	**System**
D375	8	1	4
D376	7	1	4
D378	32	3	0
D379	32	3	0
D380	12	1	8
D381	12	1	8
D383	16	1	9
D384	16	1	9
D388	12	1	8
D389	12	1	8
D390	15	1	9
D391	15	1	9

FACILITY PERMIT TO OPERATE
3M COMPANY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

FACILITY CONDITIONS

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.

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

F52.1 This facility is subject to the applicable requirements of the following rules or regulation(s):

District Rule 1157

40 CFR 60 Subpart UUU

40 CFR 60 Subpart OOO

[RULE 1157, 9-8-2006; **40CFR 60 Subpart OOO, 11-1-1985; 40CFR 60 Subpart UUU, 4-8-1994**]

SYSTEM CONDITIONS

S20.1 For the purposes of determining compliance with District Rule 405, solid particulate matter emissions shall be based on the combined emissions from all points of this system.

FACILITY PERMIT TO OPERATE
3M COMPANY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[RULE 405, 2-7-1986]

[Systems subject to this condition : Process 1, System 1 , 2 , 3 , 5 , 6 , 7 , 8 , 11]

DEVICE CONDITIONS

A. Emission Limits

A63.1 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT	QUANTITY	UNITS
VOC	Less than or equal to	3120	LBS IN ANY ONE MONTH

For the purposes of this condition, the limit(s) shall be based on the total combined emissions from the use of oil, adhesion promoter(s) and/or dust suppressant(s) from Cooler no. 1 (D182), Cooler no. 2 (D199) and Belt Conveyor no. 51 (D370).

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

[Devices subject to this condition : D182, D199, D370]

A103.1 The operator shall keep materials in process sufficiently moist to prevent fugitive dust emissions.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D32, D33, D34]

FACILITY PERMIT TO OPERATE
3M COMPANY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

B. Material/Fuel Type Limits

B59.1 The operator shall only use the following material(s) in this device :

Materials that contain dust suppressant (slate oil or any substitute) to prevent fugitive dust emissions.

[**RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D140, D143, D144, D147, D151, D152, D371]

C. Throughput or Operating Parameter Limits

C1.2 The operator shall limit the material processed to no more than 172800 ton(s) in any one month.

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

[Devices subject to this condition : D36]

C1.3 The operator shall limit the natural gas fuel usage to no more than 1.75e+07 cubic feet per month.

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

[Devices subject to this condition : D36]

C1.4 The operator shall limit the unloading rate to no more than 43200 ton(s) in any one month.

FACILITY PERMIT TO OPERATE
3M COMPANY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

For the purpose of this condition, unloading rate shall be defined as material offloaded to trucks or rail cars.

This limit shall be based on the total combined limit for equipment D151 and D152.

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

[Devices subject to this condition : D151, D152]

C1.5 The operator shall limit the material processed to no more than 324000 ton(s) in any one month.

For the purpose of this condition, material processed shall be defined as total material processed through crusher device D76.

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

[Devices subject to this condition : D76]

C1.6 The operator shall limit the gasoline dispensed to no more than 6000 gallon(s) in any one calendar month.

The operator shall submit the facility's monthly gasoline throughput data for the previous calendar year to the Executive Officer or representative on or before March 1 following each calendar year.

This fuel dispensing limit shall apply to the gasoline dispensed from all tanks at this facility.

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

[Devices subject to this condition : D378, D379]

FACILITY PERMIT TO OPERATE
3M COMPANY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

C1.7 The operator shall limit the natural gas fuel usage to no more than 13.84 MM cubic feet per month.

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

[Devices subject to this condition : D168]

C8.1 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 45 gpm.

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the flow rate in the water supply line to the scrubber.

[**RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : C191, C205]

D. Monitoring/Testing Requirements

D12.1 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the bags.

[**RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : C40, C68, C105, C106, C189, C190, C203, C204, C324, C329, C369]

D12.2 The operator shall install and maintain a(n) pressure gauge to accurately indicate the pressure in the water supply line to the scrubber.

[**RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1303(a)(1)-BACT, 12-6-2002]

FACILITY PERMIT TO OPERATE
3M COMPANY

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 : C191, C205]

D12.3 The operator shall install and maintain a(n) non-resettable totalizing fuel meter to accurately indicate the fuel usage of the kiln.

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

[Devices subject to this condition : D181, D198]

D12.4 The operator shall install and maintain a(n) non-resettable totalizing fuel meter to accurately indicate the fuel usage of the dryer.

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

[Devices subject to this condition : D168]

D28.1 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted to determine the NOX emissions at the outlet.

The test shall be conducted to demonstrate compliance with all the requirements to maintain Super Compliant status under Rule 2012.

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D181, D198]

D322.1 The operator shall perform annual inspection of the equipment and filter media for leaks, broken or torn filter media, and improperly installed filter media.

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

FACILITY PERMIT TO OPERATE
3M COMPANY

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 : C40, C68, C105, C106, C165, C172, C189, C190, C203, C204, C324, C329, C369]

FACILITY PERMIT TO OPERATE
3M COMPANY

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
3M COMPANY

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 : D32, D33, D34, D36, D37, D38, D42, D43, D44, D45, D46, D48, D49, D50, D51, D52, D53, D54, D55, D56, D57, D58, D59, D61, D62, D63, D64, D65, D66, D67, D69, D70, D71, D72, D73, D74, D75, D76, D77, D78, D79, D80, D81, D82, D83, D84, D85, D86, D87, D88, D89, D90, D91, D92, D93, D94, D95, D96, D97, D100, D107, D108, D113, D140, D143, D144, D147, D151, D152, D159, D160, D161, D162, D163, D164, D166, D167, D168, D169, D170, D171, D173, D174, D175, D176, D177, D178, D180, D181, D182, D183, D184, D185, D186, D187, D188, D192, D193, D194, D195, D197, D198, D199, D200, D201, D202, D206, D207, D208, D209, D210, D211, D212, D213, D214, D215, D216, D217, D218, D219, D220, D221, D222, D223, D224, D225, D226, D227, D228, D229, D230, D231, D232, D233, D234, D235, D236, D237, D238, D239, D240, D241, D242, D243, D244, D245, D246, D247, D248, D249, D250, D251, D252, D253, D254, D255, D256, D257, D258, D259, D260, D261, D262, D263, D264, D265, D266, D267, D268, D269, D270, D271, D272, D273, D274, D275, D276, D277, D278, D279, D280, D281, D282, D283, D284, D285, D286, D287, D288, D289, D290, D291, D292, D293, D294, D295, D296, D297, D298, D299, D300, D301, D302, D303, D304, D305, D306, D307, D308, D309, D310, D312, D314, D316, D317, D318, D319, D330, D331, D332, D333, D334, D335, D336, D337, D338, D339, D347, D348, D349, D350, D351, D352, D353, D354, D356, D357, D358, D361, D362, D363, D364, D365, D366, D367, D370, D371, D372, D373, D374, D375, D376, D380, D381, D383, D384, D388, D389, D390, D391]

D330.1 The operator shall have a person that has been trained in accordance with Rule 461conduct a semi-annual inspection of the gasoline transfer and dispensing equipment. The first inspection shall be in accordance with Rule 461, Attachment B, the second inspection shall be in accordance with Rule 461, Attachment C, and the subsequent inspections shall alternate protocols. The operator shall keep records of the inspection and the repairs in accordance to Rule 461 and Section K of this Permit.

FACILITY PERMIT TO OPERATE
3M COMPANY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

This condition shall become effective when the initial Title V permit is issued to the facility.

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

[Devices subject to this condition : D378, D379]

D381.1 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 a quarterly basis, at least, unless the equipment did not operate during the entire quarterly period. The routine quarterly 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, the operator shall 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.

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; and

3). Date and time visible emission was abated.

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

[Devices subject to this condition : C40, C68, C105, C106, C165, C172, C189, C190, C191, C203, C204, C205, C324, C325, C329, C369]

FACILITY PERMIT TO OPERATE
3M COMPANY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

E. Equipment Operation/Construction Requirements

E71.1 The operator shall only be responsible to perform the scheduled weekly, quarterly, and annual inspections, as outlined in the ARB approved installation, operation, and maintenance manual for the Morrison Bros. Phase I EVR system, as well as all the required vapor recovery system tests as per the current and appropriate ARB Executive Order for this equipment unless SCAQMD Rule 461 requires a more frequent testing or inspection schedule.

[RULE 461, 6-3-2005; RULE 461, 4-6-2012]

[Devices subject to this condition : D378, D379]

E102.1 The operator shall discharge dust collected in this equipment only into closed containers.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : C39, C40]

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

FACILITY PERMIT TO OPERATE
3M COMPANY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The baghouse pressure differential across the filter bags shall be maintained between 1" and 6" of water column whenever the equipment it serves is in operation.

The operator shall operate and maintain a pressure differential gauge to measure and indicate the pressure differential across the baghouse filter bags pursuant to the operation and maintenance requirements in 40 CFR Part 64.7. The pressure differential across the filter bags shall be recorded at least once a day.

For the purpose of this condition, a deviation shall be defined as when the pressure differential across the filter bags is less than 1" of water column or more than 6" of water column occurs during the normal operation of the equipment it serves.

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 pressure differential across the filter bags between 1" and 6" of water column, and keep records of the duration and cause (including unknown cause, if applicable) of the deviation and the corrective actions taken.

All deviations shall be reported to the AQMD on a semi-annual reporting period specified in Condition No. 23, 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 more than six deviations occur in 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 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

FACILITY PERMIT TO OPERATE
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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

condition and 40 CFR Part 64.9 for a minimum of five years

[40CFR Part 64, 10-22-1997]

[Devices subject to this condition : C40, C105, C106, C172, C189, C190, C203, C204, C329]

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

FACILITY PERMIT TO OPERATE
3M COMPANY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The water flow rate to the scrubber shall be maintained at a minimum 45 gallons per minute whenever the equipment it serves is in operation.

The operator shall operate and maintain a water flow rate monitor to measure and indicate the water flow rate to the scrubber pursuant to the operation and maintenance requirements in 40 CFR Part 64.7. The water flow rate to the scrubber shall be recorded at least once a day.

For the purpose of this condition, a deviation shall be defined as when the water flow rate to the scrubber is less than 45 gallons per minute during the normal operation of the equipment it serves.

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 water flow rate to the scrubber at a minimum 45 gallons per minute, and keep records of the duration and cause (including unknown cause, if applicable) of the deviation and the corrective actions taken.

All deviations shall be reported to the AQMD on a semi-annual reporting period specified in Condition No. 23, 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 more than six deviations occur in 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 after the due date for the semi-annual monitoring report.

The operator shall inspect and maintain all components of this equipment on a quarterly basis in accordance with the manufacturer's specifications or good engineering practice.

The operator shall keep adequate records in a format that is acceptable to the AQMD

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

to demonstrate compliance with all applicable requirements specified in this condition and 40 CFR Part 64.9 for a minimum of five years

[40CFR Part 64, 10-22-1997]

[Devices subject to this condition : C191, C205]

E193.3 The operator shall install this equipment according to the following requirements:

New equipment installations and subsequent service and repairs for any certified component for which this permit was issued, shall only be performed by a current and certified person who has successfully completed the manufacturer's training course and appropriate International Code Council (ICC) certification. Completion of any SCAQMD training course does not constitute as a substitute for this requirement. Proof of successful completion of any manufacturer training course shall be with the manufacturer.

[RULE 461, 6-3-2005; RULE 461, 4-6-2012]

[Devices subject to this condition : D378, D379]

E201.1 The operator shall remove the materials collected in this equipment to enclosed containers or back to process.

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

[Devices subject to this condition : C68, C105, C106, C165, C172, C189, C190, C203, C204, C325, C329, C369]

H. Applicable Rules

FACILITY PERMIT TO OPERATE
3M COMPANY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

H23.1 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1122

[RULE 1122, 10-1-2004; RULE 1122, 5-1-2009]

[Devices subject to this condition : E342]

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	461

[RULE 461, 6-3-2005; RULE 461, 4-6-2012]

[Devices subject to this condition : D378, D379]

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

Contaminant	Rule	Rule/Subpart
PM	District Rule	1155

[RULE 1155, 12-4-2009]

[Devices subject to this condition : C106, C191, C205]

FACILITY PERMIT TO OPERATE
3M COMPANY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

H23.5 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	463

[RULE 463, 5-6-2005]

[Devices subject to this condition : D378]

J. Rule 461

J109.1 The operator shall use, except for diesel transfer, the phase I vapor recovery system in full operation whenever this equipment is in use. This system shall be installed, operated and maintained to meet all CARB certification requirements.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; **RULE 461, 6-3-2005; RULE 461, 4-6-2012]**

[Devices subject to this condition : D378]

J110.1 The operator shall use, except for diesel transfer, the phase II vapor recovery system in full operation whenever gasoline from this equipment is dispensed to motor vehicles as defined in Rule 461. This system shall be installed, operated and maintained to meet all CARB certification requirements.

[RULE 461, 6-3-2005; RULE 461, 4-6-2012]

[Devices subject to this condition : D379]

FACILITY PERMIT TO OPERATE
3M COMPANY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

J373.1 The operator shall comply with the following gasoline transfer and dispensing requirements:

a). A leak rate and cracking pressure test of pressure/vacuum relief vent valves shall be conducted within ten (10) days after the start of operation of the Phase I EVR equipment and at least once every three (3) years thereafter to determine the pressure and vacuum at which the pressure/vacuum vent valve actuates, and to determine the volumetric leak rate at a given pressure. The test shall be conducted in accordance with the test procedure method TP-201.1E (October 8, 2003).

b). Results shall be submitted by the tester electronically or other means specified by the Executive Officer within seventy-two (72) hours after each test is conducted.

c). The SCAQMD shall be notified electronically or other means as specified by the Executive Officer at least seventy-two (72) hours prior to any of the above mentioned testing requirements. Such notification shall include the name of the owner or operator; the name of the contractor; the location of the facility; and the scheduled start and completion dates of the tests to be performed.

[RULE 461, 6-3-2005; RULE 461, 4-6-2012]

[Devices subject to this condition : D378]

J373.2 The operator shall comply with the following gasoline transfer and dispensing requirements:

FACILITY PERMIT TO OPERATE
3M COMPANY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

a). The Phase II vapor recovery systems shall be installed, operated, and maintained such that the maximum allowable pressure through the system including nozzle, vapor hose, swivels, and underground piping does not exceed the dynamic back pressures described by the California Air Resources Board (CARB) Executive Order by which the system was certified:

Nitrogen Flowrates (CFH)	Dynamic Back Pressure (Inches of Water)
60	0.35
80	0.62

b). If the CARB Executive Order requires the installation of a liquid removal device, a liquid removal rate test shall be conducted to demonstrate the removal of gasoline from the vapor passage of the coaxial hose. The test shall be conducted in accordance with CARB test procedure Method TP-201.6 (April 28, 2000) as a performance test and as a reverification test.

c). A static pressure performance test shall be conducted to quantify the vapor tightness of the above ground storage tank. The test shall be conducted in accordance with the latest version of Exhibit 4 of CARB Executive Order VR-402, as a performance test and as a reverification test.

d). Dynamic back pressure tests shall be conducted to determine the Phase II system vapor recovery back pressures. The tests shall be conducted in accordance with CARB Test Procedure TP-201.4 (July 3, 2002), Methodology 1 as a performance test and as a reverification test.

e). All testing shall be conducted in accordance with the most recent Rule 461 amendment or CARB Executive Order requirements, whichever is more stringent.

f). The test results shall be submitted by the tester electronically or other means specified by the Executive Officer or representative within 72 hours after each test is conducted. The final test results demonstrating compliance shall be submitted to the Executive Officer or representative within 14 days from the date when all tests were passed.

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

g). The test reports shall include the required records of all tests performed, test data, current SCAQMD ID number for the equipment location, the equipment permit to operate or application number, the SCAQMD ID number of the company performing the tests, a statement whether the equipment tested meets the required standards, and the name, SCAQMD ID number and signature of the person responsible for conducting the tests.

[RULE 461, 6-3-2005; RULE 461, 4-6-2012]

[Devices subject to this condition : D379]

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):

For architectural applications where no thinners, reducers, or other VOC containing materials are added, maintain semi-annual records for all coating 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 coatings.

For 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 grams per liter (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 coatings.

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

[Devices subject to this condition : E343]

FACILITY PERMIT TO OPERATE
3M COMPANY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

the name of the person performing the inspection and/or maintenance of the filter media

the date, time and results of the inspection

the date, time and description of any maintenance or repairs resulting from the inspection

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

[Devices subject to this condition : C40, C68, C105, C106, C165, C172, C189, C190, C203, C204, C324, C329, C369]

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

daily flow rate to the scrubber

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

[Devices subject to this condition : C191, C205]

K171.1 The operator shall notify the District if any of the following situations occur:

FACILITY PERMIT TO OPERATE
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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The SCAQMD shall be notified at least 72 hours prior to the installation and performance testing of the new vapor recovery equipment mentioned in this permit, so that SCAQMD staff may, at its discretion opt to to witness the installation and/or testing. Such notification shall include the name of the owner or operator, the name of the contractor, the location of the facility, and the scheduled start and completion dates of the tests to be performed.

The SCAQMD shall be notified at least 72 hours prior to back-filling any underground piping. Such notification shall include the name of the owner or operator, the name of the contractors, the location of the facility, and the scheduled start and completion dates of the back-filling procedure. The back-filling procedure shall not commence until inspected by a SCAQMD inspector.

The SCAQMD shall be notified at least 72 hours prior to any tests specified in the permit for this equipment. Such notification shall include the name of the owner or operator, the name of the contractor, the location of the facility, and the scheduled start and completion dates of the tests to be performed.

[RULE 461, 6-3-2005; RULE 461, 4-6-2012]

[Devices subject to this condition : D378, D379]

FACILITY PERMIT TO OPERATE
3M COMPANY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

NONE