

**New Jersey Department of Environmental Protection
Reason for Application**

Permit Being Modified

Permit Class: PCP **Number:** 120002

Description of Modifications: Permit modification to Latex Batch Paint Manufacturing PCP120002 BP8701.
All Alkyd Paint production is eliminated.
Wash water tanks previously associated with this permit are listed as insignificant as they do not require a permit.

The following change is for the Latex Paint Production, OS1 with Dispersion Step ST1 and Equipment in Set ES2:

To add a new tank D1, a 3750 gallon dispersion tank, as E87152.

The following change for the Latex Paint Production, OS2 with Thinning & Shading Step ST2 and Equipment in Set ES1:

To include three new Thinning & Shading Colorant Thin-down tanks, CTS11, CTS12 and CTS13 at 4400 gallons each, as E87153, E87154, and E87155 is instead being changed to insignificant sources as they meet the exemption at NJAC 7:27 sub8.2(e)1.v.

Other sources were also found to be exempt per NJAC 7:27 sub8.2(e)1.v, vi and vii reducing the total significant sources for this permit to 20.

The net effect will be reductions in emissions

**New Jersey Department of Environmental Protection
Facility Profile (General)**

Facility Name (AIMS): Benjamin Moore & Co., Inc.

Facility ID (AIMS): 05067

Street 134 LISTER AVE
Address: NEWARK, NJ 07015

Mailing PO BOX 4000
Address: FLANDERS, NJ 07836

County: Essex
Location PAINT MANUFACTURING
Description:

State Plane Coordinates:	
X-Coordinate:	593,673
Y-Coordinate:	694,366
Units:	New Jersey State Plane 8
Datum:	NAD83
Source Org.:	DEP-GIS
Source Type:	Digital Image

Industry:	
Primary SIC:	2851
Secondary SIC:	
NAICS:	325510

**New Jersey Department of Environmental Protection
Facility Profile (General)**

Contact Type: Air Permit Information Contact

Organization: Benjamin Moore & Co., Inc.

Org. Type: Corporation

Name: Ron DeFroschia

NJ EIN: 00263700001

Title: EH&S Process Manager

Phone: (201) 538-7602 x

Mailing Address: 134 Lister Avenue

Fax: (973) 491-5675 x

Newark, NJ 07105

Other: () - x

Type:

Email: Ron.DeFroschia@BenjaminMoore.com

Contact Type: BAQE - Engineering

Organization: Benjamin Moore

Org. Type: Corporation

Name: Prokopis A. Christou

NJ EIN: 00263700001

Title: Corporate EH&S Specialist

Phone: (973) 252-2654 x

Mailing Address: 360 Route 206

Fax: (973) 252-2659 x

Flander, NJ 07836

Other: () - x

Type:

Email: prokopis.christou@benjaminmoore.com

Contact Type: BAQE - Evaluation

Organization: Benjamin Moore

Org. Type: Corporation

Name: Prokopis A. Christou

NJ EIN: 00263700001

Title: Corporate EH&S Specialist

Phone: (973) 252-2654 x

Mailing Address: 360 Route 206

Fax: (973) 252-2659 x

Flander, NJ 07836

Other: () - x

Type:

Email: prokopis.christou@benjaminmoore.com

**New Jersey Department of Environmental Protection
Facility Profile (General)**

Contact Type: Compliance Officer**Organization:** Benjamin Moore & Co., Inc.**Org. Type:** Corporation**Name:** Ron DeFroschia**NJ EIN:** 00263700001**Title:** EH&S Process Manager**Phone:** (201) 538-7602 x**Mailing Address:** 134 Lister Avenue**Fax:** (973) 491-5675 x

Newark, NJ 07105

Other: () - x**Type:****Email:** Ron.DeFroschia@BenjaminMoore.com

Contact Type: Consultant**Organization:** Hydronics Corp.**Org. Type:** Corporation**Name:** John Yavorsky**NJ EIN:** 22180190100**Title:** Consultant**Phone:** (908) 256-0961 x**Mailing Address:** 5 Oak Fern Drive**Fax:** () - x

Warren, NJ 07059

Other: () - x**Type:****Email:** yavorsky@gmail.com

Contact Type: Emission Statements**Organization:** Benjamin Moore & Co., Inc.**Org. Type:** Corporation**Name:** Ron DeFroschia**NJ EIN:** 00263700001**Title:** EH&S Process Manager**Phone:** (201) 538-7602 x**Mailing Address:** 134 Lister Avenue**Fax:** (973) 491-5675 x

Newark, NJ 07105

Other: () - x**Type:****Email:** Ron.DeFroschia@BenjaminMoore.com

**New Jersey Department of Environmental Protection
Facility Profile (General)**

Contact Type: Environmental Officer

Organization: Benjamin Moore & Co., Inc.

Org. Type: Corporation

Name: Ron DeFroschia

NJ EIN: 00263700001

Title: EH&S Process Manager

Phone: (201) 538-7602 x

Mailing Address: 134 Lister Avenue

Fax: (973) 491-5675 x

Newark, NJ 07105

Other: () - x

Type:

Email: Ron.DeFroschia@BenjaminMoore.com

Contact Type: General Contact

Organization: Benjamin Moore & Co., Inc.

Org. Type: Corporation

Name: Ron DeFroschia

NJ EIN: 00263700001

Title: EHS Specialist

Phone: (973) 344-1200 x5292

Mailing Address: 134 Lister Avenue

Fax: (973) 491-5675 x

Newark, NJ 07105

Other: (201) 538-7602 x

Type: Mobile

Email: ron.defroschia@BenjaminMoore.com

Contact Type: On-Site Manager

Organization: Benjamin Moore & Co., Inc.

Org. Type: Corporation

Name: Ron DeFroschia

NJ EIN: 00263700001

Title: EH&S Process Manager

Phone: (201) 538-7602 x

Mailing Address: 134 Lister Avenue

Fax: (973) 491-5675 x

Newark, NJ 07105

Other: () - x

Type:

Email: Ron.DeFroschia@BenjaminMoore.com

**New Jersey Department of Environmental Protection
Facility Profile (General)**

Contact Type: Operator

Organization: Benjamin Moore & Co., Inc.

Org. Type: Corporation

Name: Ron DeFroschia

NJ EIN: 00263700001

Title: EHS Specialist

Phone: (973) 344-1200 x5292

Mailing Address: 134 Lister Avenue

Fax: (973) 491-5675 x

Newark, NJ 07105

Other: (201) 538-7602 x

Type: Mobile

Email: ron.defroschia@BenjaminMoore.com

Contact Type: Regulation Officer

Organization: Benjamin Moore & Co., Inc.

Org. Type: Corporation

Name: Ron DeFroschia

NJ EIN: 00263700001

Title: EH&S Process Manager

Phone: (201) 538-7602 x

Mailing Address: 134 Lister Avenue

Fax: (973) 491-5675 x

Newark, NJ 07105

Other: () - x

Type:

Email: Ron.DeFroschia@BenjaminMoore.com

Contact Type: Responsible Official

Organization: Benjamin Moore & Co., Inc.

Org. Type: Corporation

Name: Ron DeFroschia

NJ EIN: 00263700001

Title: EH&S Process Manager

Phone: (201) 538-7602 x

Mailing Address: 134 Lister Avenue

Fax: (973) 491-5675 x

Newark, NJ 07105

Other: () - x

Type:

Email: Ron.DeFroschia@BenjaminMoore.com

**New Jersey Department of Environmental Protection
Facility Profile (General)**

Contact Type: Responsible Party

Organization: Benjamin Moore & Co., Inc.

Org. Type: Corporation

Name: Ron DeFroschia

NJ EIN: 00263700001

Title: EH&S Process Manager

Phone: (201) 538-7602 x

Mailing Address: 134 Lister Avenue

Fax: (973) 491-5675 x

Newark, NJ 07105

Other: () - x

Type:

Email: Ron.DeFroschia@BenjaminMoore.com

**New Jersey Department of Environmental Protection
Facility Profile (Permitting)**

- | | |
|--|----|
| 1. Is this facility classified as a small business by the USEPA? | No |
| 2. Is this facility subject to N.J.A.C. 7:27-22? | No |
| 3. Are you voluntarily subjecting this facility to the requirements of Subchapter 22? | No |
| 4. Has a copy of this application been sent to the USEPA? | No |
| 5. If not, has the EPA waived the requirement? | No |
| 6. Are you claiming any portion of this application to be confidential? | No |
| 7. Is the facility an existing major facility? | No |
| 8. Have you submitted a netting analysis? | No |
| 9. Are emissions of any pollutant above the SOTA threshold? | No |
| 10. Have you submitted a SOTA analysis? | No |
| 11. If you answered "Yes" to Question 9 and "No" to Question 10, explain why a SOTA analysis was not required | |
| | |
| 12. Have you provided, or are you planning to provide air contaminant modeling? | No |

**New Jersey Department of Environmental Protection
Non-Source Fugitive Emissions**

FG NJID	Description of Activity Causing Emission	Location Description	Reasonable Estimate of Emissions (tpy)								
			VOC (Total)	NO _x	CO	SO	TSP (Total)	PM-10	Pb	HAPS (Total)	Other (Total)
FG1											
Total											

**New Jersey Department of Environmental Protection
Insignificant Source Emissions**

IS NJID	Source/Group Description	Equipment Type	Location Description	Estimate of Emissions (tpy)								
				VOC (Total)	NO _x	CO	SO	TSP	PM-10	Pb	HAPS (Total)	Other (Total)
IS1	Wash Water Mixers	Manufacturing and Materials Handling Equipment	Facility Floor	0.000							0.00000000	
IS87003	TS1 10,000 gal. Latex Thin & Shade	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244
IS87004	TS2 10,000 gal. Latex Thin & Shade	Manufacturing and Materials Handling Equipment	Facility Floor	0.263				0.000	0.000		0.13000000	0.244
IS87005	TS3 10,000 gal. Latex Thin & Shade	Manufacturing and Materials Handling Equipment	Facility Floor	0.263				0.000	0.220		0.13000000	0.244
IS87006	TS4 10,000 gal. Latex Thin & Shade	Manufacturing and Materials Handling Equipment	Facility Floor	0.263				0.000	0.220		0.13000000	0.244
IS87011	Portable tank #1 with Cowles Mixer #1, up to 350 gal.	Manufacturing and Materials Handling Equipment	Facility Floor	0.002				0.220	0.220			
IS87012	Colorant Mill #1 Horizontal Mill	Manufacturing and Materials Handling Equipment	Facility Floor									
IS87013	Colorant Mill #2 Horizontal Mill	Manufacturing and Materials Handling Equipment	Facility Floor									
IS87014	Colorant Mill #3 Horizontal Mill	Manufacturing and Materials Handling Equipment	Facility Floor									

**New Jersey Department of Environmental Protection
Insignificant Source Emissions**

IS NJID	Source/Group Description	Equipment Type	Location Description	Estimate of Emissions (tpy)								
				VOC (Total)	NO _x	CO	SO	TSP	PM-10	Pb	HAPS (Total)	Other (Total)
IS87015	Colorant Mill #4 Horizontal Mill	Manufacturing and Materials Handling Equipment	Facility Floor									
IS87020	Colorant Mill #5 Horizontal Mill	Manufacturing and Materials Handling Equipment	Facility Floor									
IS87021	Portable tank #8 with Cowles Mixer #8, up to 350 gal.	Manufacturing and Materials Handling Equipment	Facility Floor	0.002				0.220	0.220			
IS87024	D12 Dispersion Tank 900 gal.	Manufacturing and Materials Handling Equipment	Platform #3	0.002				0.220	0.220			
IS87025	D13 Dispersion Tank 900 gal.	Manufacturing and Materials Handling Equipment	Platform #3	0.002				0.220	0.220			
IS87042	TK#31 5000 gal. T&S	Manufacturing and Materials Handling Equipment	Facility Floor	0.263				0.000	0.000		0.13000000	0.244
IS87043	TK#32 5000 gal. T&S	Manufacturing and Materials Handling Equipment	Facility Floor	0.263				0.000	0.000		0.13000000	0.244
IS87048	E 1650 gal. T&S	Manufacturing and Materials Handling Equipment	Facility Floor	0.263				0.000	0.000		0.13000000	0.244
IS87049	F 1650 gal. T&S	Manufacturing and Materials Handling Equipment	Facility Floor	0.263				0.000			0.13000000	0.244

**New Jersey Department of Environmental Protection
Insignificant Source Emissions**

IS NJID	Source/Group Description	Equipment Type	Location Description	Estimate of Emissions (tpy)								
				VOC (Total)	NO _x	CO	SO	TSP	PM-10	Pb	HAPS (Total)	Other (Total)
IS87053	W8 550 gal. T&S	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244
IS87059	W14 1000 gal. T&S	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244
IS87060	W18 1000 gal. T&S	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244
IS87066	W24 1000 gal. T&S	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244
IS87086	ROSCO #1 Cowles Mixer T&S for 400 gal. portable tank	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244
IS87087	ROSCO #2 Cowles Mixer T&S for 400 gal. portable tank	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244
IS87088	ROSCO #3 Cowles Mixer T&S for 150 gal. portable tank	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244
IS87089	ROSCO #4 Cowles Mixer T&S for 150 gal. portable tank	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244
IS87090	ROSCO #5 Cowles Mixer T&S for 150 gal. portable tank	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244

**New Jersey Department of Environmental Protection
Insignificant Source Emissions**

IS NJID	Source/Group Description	Equipment Type	Location Description	Estimate of Emissions (tpy)								
				VOC (Total)	NO _x	CO	SO	TSP	PM-10	Pb	HAPS (Total)	Other (Total)
IS87097	31 1/2 Thickener Tank 100 gal.	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244
IS87098	28 1/2 Thickener Tank 100 gal.	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244
IS87125	36 3000 gal. T&S	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244
IS87126	37 3000 gal. T&S	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244
IS87137	CTS16 4400 gal.T&S	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244
IS87138	CTS17 2775 gal.T&S	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244
IS87139	CTS18 2775 gal.T&S	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244
IS87140	CTS19 2775 gal.T&S	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244
IS87141	CTS20 4400 gal.T&S	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244

**New Jersey Department of Environmental Protection
Insignificant Source Emissions**

IS NJID	Source/Group Description	Equipment Type	Location Description	Estimate of Emissions (tpy)								
				VOC (Total)	NO _x	CO	SO	TSP	PM-10	Pb	HAPS (Total)	Other (Total)
IS87142	CTS21 2775 gal.T&S	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244
IS87143	CTS22 2775 gal.T&S	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244
IS87144	CTS15 4400 gal.T&S	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244
IS87146	Colorant Mill #6 Horizontal Mill	Manufacturing and Materials Handling Equipment	Facility Floor									
IS87147	Colorant Mill #7 Horizontal Mill	Manufacturing and Materials Handling Equipment	Facility Floor									
IS87149	TS10 2470 gal T&S	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244
IS87150	TS11 2470 gal T&S	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244
IS87151	TS12 2470 gal T&S	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244
IS87153	CTS11 4400 gal. T&S Colorant	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244

**New Jersey Department of Environmental Protection
Insignificant Source Emissions**

IS NJID	Source/Group Description	Equipment Type	Location Description	Estimate of Emissions (tpy)								
				VOC (Total)	NO _x	CO	SO	TSP	PM-10	Pb	HAPS (Total)	Other (Total)
IS87154	CTS12 4400 gal. T&S Colorant	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244
IS87155	CTS13 4400 gal. T&S Colorant	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244
IS87156	Portable tank #3 with Cowles Mixer #3, up to 480 gal. 60Hp	Manufacturing and Materials Handling Equipment	Facility Floor	0.002				0.220	0.220			
Total												

**New Jersey Department of Environmental Protection
Equipment Inventory**

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand- Fathered	Last Mod. (Since 1968)	Equip. Set ID
E87001	MIX #1	7,500 GALLON LATEX DISPERSION TANK	Manufacturing and Materials Handling Equipment	PCP120002	1/1/2000	No	1/1/2000	ES2
E87002	MIX #2	7,500 GALLON LATEX DISPERSION TANK	Manufacturing and Materials Handling Equipment	PCP120002	5/1/1999	No	5/1/1999	ES2
E87019	D9	DISPERSION TANK - 3650 GAL ON PLATFORM #1	Manufacturing and Materials Handling Equipment	PCP120002	1/1/1993	No	4/3/1996	ES2
E87022	D10	DISPERSION TANK - 1200 GAL ON PLATFORM #2	Manufacturing and Materials Handling Equipment	PCP120002	1/1/1993	No	4/3/1996	ES2
E87023	D11	DISPERSION TANK - 1200 GAL ON PLATFORM #2	Manufacturing and Materials Handling Equipment	PCP120002	1/1/1993	No	4/3/1996	ES2
E87116	L1, T1-T3	PAINT FILLING LINE - 2 GAL (including (1) 555 gal holding tanks)	Manufacturing and Materials Handling Equipment	PCP120002	1/1/1993	No	4/3/1996	ES3
E87117	L2, T1-T2	PAINT FILLING LINE - 5 GAL (including (2) 650 gal holding tanks)	Manufacturing and Materials Handling Equipment	PCP120002	1/1/1993	No	4/3/1996	ES3
E87120	L3, T1-T2	PAINT FILLING LINE - 1 GAL (including (2) 650 gal holding tanks)	Manufacturing and Materials Handling Equipment	PCP120002	1/1/1993	No	4/3/1996	ES3
E87121	L4, T1	PAINT FILLING LINE -PINTS (including (1) 650 gal holding tank)	Manufacturing and Materials Handling Equipment	PCP120002	1/1/1993	No	4/3/1996	ES3

**New Jersey Department of Environmental Protection
Equipment Inventory**

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand- Fathered	Last Mod. (Since 1968)	Equip. Set ID
E87122	L5, T1-T2	ROSCO FILLED FROM ROLLERS	Manufacturing and Materials Handling Equipment	PCP120002	1/1/1993	No	4/3/1996	ES3
E87123	L6	COLORANT FILLING LINE - 1 QUART	Manufacturing and Materials Handling Equipment	PCP120002	1/1/1993	No	4/3/1996	ES3
E87128	D2	MIXING TANK - 2500 GAL	Manufacturing and Materials Handling Equipment	PCP120002	11/15/2003	No	4/3/1996	ES2
E87129	D3	MIXING TANK - 4110 GAL	Manufacturing and Materials Handling Equipment	PCP120002	11/15/2003	No	4/3/1996	ES2
E87130	D4	MIXING TANK - 3750 GAL	Manufacturing and Materials Handling Equipment	PCP120002	11/15/2003	No	4/3/1996	ES2
E87131	D5	MIXING TANK - 2500 GAL	Manufacturing and Materials Handling Equipment	PCP120002	11/15/2003	No	4/3/1996	ES2
E87132	D6	MIXING TANK - 2500 GAL	Manufacturing and Materials Handling Equipment	PCP120002	11/15/2003	No	4/3/1996	ES2
E87133	D7	MIXING TANK - 3750 GAL	Manufacturing and Materials Handling Equipment	PCP120002	11/15/2003	No	4/3/1996	ES2
E87134	D8	MIXING TANK - 2500 GAL	Manufacturing and Materials Handling Equipment	PCP120002	11/15/2003	No	4/3/1996	ES2

**New Jersey Department of Environmental Protection
Equipment Inventory**

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand- Fathered	Last Mod. (Since 1968)	Equip. Set ID
E87145	L8	COLORANT FILLING LINE - 1 GAL	Manufacturing and Materials Handling Equipment	PCP120002	11/15/2003	No	4/3/1996	ES3
E87152	D1	DISPERSANT TANK	Manufacturing and Materials Handling Equipment		11/15/2003	No	4/3/1996	ES2

**New Jersey Department of Environmental Protection
Control Device Inventory**

CD NJID	Facility's Designation	Description	CD Type	Install Date	Grand- Fathered	Last Mod. (Since 1968)	CD Set ID
CD8701	DC 001	DUST COLLECTOR	Particulate Filter (Cartridge)	9/1/1999	No	9/1/1999	
CD8702	DC 002	DUST COLLECTOR	Particulate Filter (Cartridge)	11/15/2003	No	11/15/2003	

**New Jersey Department of Environmental Protection
Emission Points Inventory**

PT NJID	Facility's Designation	Description	Config.	Equiv. Diam. (in.)	Height (ft.)	Dist. to Prop. Line (ft)	Exhaust Temp. (deg. F)			Exhaust Vol. (acfm)			Discharge Direction	PT Set ID
							Avg.	Min.	Max.	Avg.	Min.	Max.		
PT8701	013	STACK #013 - BAGHOUSE	Round	26	45	205	75.0	50.0	105.0	20,000.0	15,000.0	22,000.0	Up	
PT8703	004	STACK #004	Round	36	52	120	75.0	50.0	105.0	20,000.0	18,000.0	22,000.0	Up	
PT8704	005	STACK #005	Round	18	44	180	75.0	50.0	105.0	2,300.0	2,000.0	2,600.0	Up	
PT8705	007	STACK #007	Round	18	44	360	75.0	50.0	105.0	5,200.0	4,900.0	5,500.0	Up	
PT8707	014	Stack #014 (7) North Wall Exhaust Fan	Round	36	22	140	85.0	60.0	90.0	50,000.0	10,000.0	100,000.0	Horizontal	
PT8708	015	STACK #015 - NORTH WALL FAN IN LOADING DOCK AREA	Round	26	11	135	70.0	60.0	80.0	5,000.0	2,000.0	7,500.0	Horizontal	
PT8710	VAPOR COL	VAPOR COLLECTION STACK	Round	24	40	198	60.0	32.0	180.0	13,000.0	13,000.0	13,000.0	Up	
PT100008	DC 002	DUST COLLECTOR DC 002	Round	24	40	237	60.0	32.0	180.0	12,750.0	12,750.0	12,750.0	Up	

**New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory**

BP1 LATEX PAINT**OS1 LATEX PAINT LATEX PAINT PRODUCTION BPOS Type: Batch Manufacturing***Batch Process Operating Scenario Run Time (hours)**Min. Calc. Time: 3.5**Max. Calc. Time: 42.0**Min. User Time:**Max. User Time:*

Step NJID	Facility's Designation	Step Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Step Run Time Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
ST1	LATEX PAINT	LATEX DISPERSION	Normal - Steady State	ES2	CD8701 (P) CD8702 (P)	PT100008 PT8701	3-01-014-30	2.0	4.0	A	200.0	1,000.0	60.0	160.0
ST3	LATEX PAINT	LATEX PAINT FILLING	Normal - Steady State	ES3		PT8708	3-01-014-60	0.5	6.0	A	0.0	7,500.0	60.0	100.0

U 1

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.

**New Jersey Department of Environmental Protection
Potential to Emit**

Subject Item: BP1 LATEX PAINT

Operating Scenario: OS0 Summary

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
Ammonia	0.00000000	0.11400000	0.11400000	0.11400000	tons/yr	No
HAPs (Total)	0.00000000	0.12900000	0.12900000	0.12900000	tons/yr	No
PM-10 (Total)	0.00000000	0.22000000	0.22000000	0.22000000	tons/yr	No
TSP	0.00000000	22.00000000	0.22000000	0.22000000	tons/yr	No
Vinyl acetate	0.00000000	0.13000000	0.13000000	0.13000000	tons/yr	No
VOC (Total)	0.00000000	0.26500000	0.26500000	0.26500000	tons/yr	No

Subject Item: BP1 LATEX PAINT

Operating Scenario: OS1 LATEX PAINT

Step: ST1 LATEX PAINT

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
HAPs (Total)	0.00000000	0.00000000	0.00000000	0.00000000	lb/step	No
PM-10 (Total)	0.00000000	0.22000000	0.22000000	0.22000000	lb/step	No
TSP	0.00000000	22.00000000	0.22000000	0.22000000	lb/step	No
VOC (Total)	0.00000000	0.00190000	0.00190000	0.00190000	lb/step	No

Subject Item: BP1 LATEX PAINT

Operating Scenario: OS1 LATEX PAINT

Step: ST3 LATEX PAINT

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
HAPs (Total)	0.00000000	0.00000000	0.00000000	0.00000000	lb/step	No
PM-10 (Total)	0.00000000	0.00000000	0.00000000	0.00000000	lb/step	No

05067 Benjamin Moore & Co., Inc.

Date: 11/25/2020

**New Jersey Department of Environmental Protection
Potential to Emit**

Subject Item: BP1 LATEX PAINT

Operating Scenario: OS1 LATEX PAINT

Step: ST3 LATEX PAINT

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
TSP	0.00000000	0.00000000	0.00000000	0.00000000	lb/step	No
VOC (Total)	0.00000000	0.00002800	0.00002800	0.00002800	lb/step	No

000000 E87001 (Manufacturing and Materials Handling Equipment)
Print Date: 11/25/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Latex Dispersion Tank"/>
Capacity:	<input type="text" value="7.50E+03"/>
Units:	<input type="text" value="gallons"/>
Description (if other):	<input type="text"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="No"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	

000000 E87002 (Manufacturing and Materials Handling Equipment)
Print Date: 11/25/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Latex Dispersion Tank"/>
Capacity:	<input type="text" value="7.50E+03"/>
Units:	<input type="text" value="gallons"/>
Description (if other):	<input type="text"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="No"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	

000000 E87019 (Manufacturing and Materials Handling Equipment)
Print Date: 11/25/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Latex Dispersion Tank"/>
Capacity:	<input type="text" value="3.65E+03"/>
Units:	<input type="text" value="gallons"/>
Description (if other):	<input type="text"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="No"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	

000000 E87022 (Manufacturing and Materials Handling Equipment)
Print Date: 11/25/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Latex Dispersion Tank"/>
Capacity:	<input type="text" value="1.20E+03"/>
Units:	<input type="text" value="gallons"/>
Description (if other):	<input type="text"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="No"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	

000000 E87023 (Manufacturing and Materials Handling Equipment)
Print Date: 11/25/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Latex Dispersion Tank"/>
Capacity:	<input type="text" value="1.20E+03"/>
Units:	<input type="text" value="gallons"/>
Description (if other):	<input type="text"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="No"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	

000000 E87116 (Manufacturing and Materials Handling Equipment)
Print Date: 11/25/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Paint Filling Line (1 Gallon Containers)"/>
Capacity:	<input type="text" value="2.40E+03"/>
Units:	<input type="text" value="other units"/>
Description (if other):	<input type="text" value="gallons/hr"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="No"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	

000000 E87117 (Manufacturing and Materials Handling Equipment)
Print Date: 11/25/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Paint Filling Line (5 Gallon Containers)"/>
Capacity:	<input type="text" value="2.40E+03"/>
Units:	<input type="text" value="other units"/>
Description (if other):	<input type="text" value="gallons/hr"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="No"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	

000000 E87120 (Manufacturing and Materials Handling Equipment)
Print Date: 11/25/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Paint Filling Line (1 Gallon Containers)"/>
Capacity:	<input type="text" value="2.40E+03"/>
Units:	<input type="text" value="other units"/>
Description (if other):	<input type="text" value="gallons/hr"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="No"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	

000000 E87121 (Manufacturing and Materials Handling Equipment)
Print Date: 11/25/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Paint Filling Line (2 Gallon Containers)"/>
Capacity:	<input type="text" value="2.40E+03"/>
Units:	<input type="text" value="other units"/>
Description (if other):	<input type="text" value="gallons/hr"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="No"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	

000000 E87122 (Manufacturing and Materials Handling Equipment)
Print Date: 11/25/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Paint Filling Line (5 Gallon Containers)"/>
Capacity:	<input type="text" value="2.40E+03"/>
Units:	<input type="text" value="other units"/>
Description (if other):	<input type="text" value="gallons/hr"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="No"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	

000000 E87123 (Manufacturing and Materials Handling Equipment)
Print Date: 11/25/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Colorant Filling Line (! Quart Container)"/>
Capacity:	<input type="text" value="2.40E+03"/>
Units:	<input type="text" value="other units"/>
Description (if other):	<input type="text" value="gallons/hr"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="No"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	

000000 E87128 (Manufacturing and Materials Handling Equipment)
Print Date: 11/25/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Mixing Tank"/>
Capacity:	<input type="text" value="2.50E+03"/>
Units:	<input type="text" value="gallons"/>
Description (if other):	<input type="text"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="No"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	

000000 E87129 (Manufacturing and Materials Handling Equipment)
Print Date: 11/25/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text" value="Industrial Metals"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Mixing tank"/>
Capacity:	<input type="text" value="4.11E+03"/>
Units:	<input type="text" value="gallons"/>
Description (if other):	<input type="text"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="No"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	

000000 E87130 (Manufacturing and Materials Handling Equipment)
Print Date: 11/25/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text" value="Industrial Metals"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Thinning and Shading Tank"/>
Capacity:	<input type="text" value="3.75E+03"/>
Units:	<input type="text" value="gallons"/>
Description (if other):	<input type="text"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="No"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	

000000 E87131 (Manufacturing and Materials Handling Equipment)
Print Date: 11/25/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text" value="Industrial Metals"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Mixing tank"/>
Capacity:	<input type="text" value="2.50E+03"/>
Units:	<input type="text" value="gallons"/>
Description (if other):	<input type="text"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="No"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	

000000 E87132 (Manufacturing and Materials Handling Equipment)
Print Date: 11/25/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Mixing tank"/>
Capacity:	<input type="text" value="2.50E+03"/>
Units:	<input type="text" value="gallons"/>
Description (if other):	<input type="text"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="No"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	

000000 E87133 (Manufacturing and Materials Handling Equipment)
Print Date: 11/25/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Thinning and Shading Tank"/>
Capacity:	<input type="text" value="3.75E+03"/>
Units:	<input type="text" value="gallons"/>
Description (if other):	<input type="text"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="No"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	

000000 E87134 (Manufacturing and Materials Handling Equipment)
Print Date: 11/25/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text" value="Industrial Metals"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Mixing tank"/>
Capacity:	<input type="text" value="2.50E+03"/>
Units:	<input type="text" value="gallons"/>
Description (if other):	<input type="text"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="No"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	

000000 E87145 (Manufacturing and Materials Handling Equipment)
Print Date: 11/25/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Colorant Filling Line (1 Gallon Containers)"/>
Capacity:	<input type="text" value="2.40E+03"/>
Units:	<input type="text" value="other units"/>
Description (if other):	<input type="text" value="gallons/hr"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="No"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	

000000 E87152 (Manufacturing and Materials Handling Equipment)
Print Date: 11/25/2020

Make:	<input type="text" value="Cylindrical steel tank"/>
Manufacturer:	<input type="text" value="unknown"/>
Model:	<input type="text" value="custom"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="dispersant tank"/>
Capacity:	<input type="text" value="3.75E+03"/>
Units:	<input type="text" value="gallons"/>
Description (if other):	<input type="text"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="No"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	

000000 CD8701 (Particulate Filter (Cartridge))
Print Date: 11/25/2020

Make: Tenkay
Manufacturer: FARR CO.
Model: 49XL MARK IV
Number of Cartridges: 49
Size of Cartridges (ft²): 282.00
Total Cartridge Area (ft²):
Maximum Design Temperature Capability (°F): 180.0
Maximum Design Air Flow Rate (acfm): 20,000.0
Maximum Air Flow Rate to Filter Area Ratio: 1.45
Minimum Operating Pressure Drop (in. H2O): 1.00
Maximum Operating Pressure Drop (in. H2O): 12.00
Maximum Inlet Temperature (°F): 105.0

Maximum Operating Exhaust Gas Flow Rate (acfm): 20,000.0
Method for Determining When Cartridge Replacement is Required: INCREASE IN PRESSURE DROP

Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources): 178
Alternative Method to Demonstrate Control Apparatus is Operating Properly: PRESSURE DROP MONITORING

Have you attached a Particle Size Distribution Analysis? ☐ Yes ☒ No

Have you attached data from recent performance testing? ☐ Yes ☒ No

Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus? ☐ Yes ☒ No

Have you attached a diagram showing the location and/or configuration of this control apparatus? ☐ Yes ☒ No

Comments:

000000 CD8702 (Particulate Filter (Cartridge))
Print Date: 11/25/2020

Make:	FARR GOLD
Manufacturer:	CAMFIL-FARR
Model:	GS-20
Number of Cartridges:	20
Size of Cartridges (ft²):	425.00
Total Cartridge Area (ft²):	8,500.00
Maximum Design Temperature Capability (°F):	180.0
Maximum Design Air Flow Rate (acfm):	13,000.0
Maximum Air Flow Rate to Filter Area Ratio:	1.53
Minimum Operating Pressure Drop (in. H2O):	0.25
Maximum Operating Pressure Drop (in. H2O):	8.00
Maximum Inlet Temperature (°F):	120.0
Maximum Operating Exhaust Gas Flow Rate (acfm):	13,000.0
Method for Determining When Cartridge Replacement is Required:	DIFFERENTIAL PRESSURE
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	9
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	VISUAL
Have you attached a Particle Size Distribution Analysis?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Have you attached data from recent performance testing?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Have you attached a diagram showing the location and/or configuration of this control apparatus?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Comments:	

**New Jersey Department of Environmental Protection
Reason for Application**

Permit Being Modified

Permit Class: PCP **Number:** 120002

Description Permit modification to Latex Batch Paint Manufacturing PCP120002 BP8701.
of Modifications: All Alkyd Paint production is eliminated.
Wash water tanks previously associated with this permit are listed as insignificant as they do not require a permit.

The following change is for the Latex Paint Production, OS1 with Dispersion Step ST1 and Equipment in Set ES2:
To add a new tank D1, a 3750 gallon dispersion tank, as E87152.

The following change for the Latex Paint Production, OS2 with Thinning & Shading Step ST2 and Equipment in Set ES1:
To include three new Thinning & Shading Colorant Thin-down tanks, CTS11, CTS12 and CTS13 at 4400 gallons each, as E87153, E87154, and E87155 is instead being changed to insignificant sources as they meet the exemption at NJAC 7:27 sub8.2(e)1.v.

Other sources were also found to be exempt per NJAC 7:27 sub8.2(e)1.v, vi and vii reducing the total significant sources for this permit to 20.

The net effect will be reductions in emissions

**New Jersey Department of Environmental Protection
Insignificant Source Emissions**

IS NJID	Source/Group Description	Equipment Type	Location Description	Estimate of Emissions (tpy)								
				VOC (Total)	NOx	CO	SO	TSP	PM-10	Pb	HAPS (Total)	Other (Total)
IS1	Wash Water Mixers	Manufacturing and Materials Handling Equipment	Facility Floor	0.000							0.00000000	
IS87003	TS1 10,000 gal. Latex Thin & Shade	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244
IS87004	TS2 10,000 gal. Latex Thin & Shade	Manufacturing and Materials Handling Equipment	Facility Floor	0.263					0.000	0.000	0.13000000	0.244
IS87005	TS3 10,000 gal. Latex Thin & Shade	Manufacturing and Materials Handling Equipment	Facility Floor	0.263					0.000	0.220	0.13000000	0.244
IS87006	TS4 10,000 gal. Latex Thin & Shade	Manufacturing and Materials Handling Equipment	Facility Floor	0.263					0.000	0.220	0.13000000	0.244
IS87011	Portable tank #1 with Cowles Mixer #1, up to 350 gal.	Manufacturing and Materials Handling Equipment	Facility Floor	0.002					0.220	0.220		
IS87012	Colorant Mill #1 Horizontal Mill	Manufacturing and Materials Handling Equipment	Facility Floor									
IS87013	Colorant Mill #2 Horizontal Mill	Manufacturing and Materials Handling Equipment	Facility Floor									
IS87014	Colorant Mill #3 Horizontal Mill	Manufacturing and Materials Handling Equipment	Facility Floor									
IS87015	Colorant Mill #4 Horizontal Mill	Manufacturing and Materials Handling Equipment	Facility Floor									

New Jersey Department of Environmental Protection
Insignificant Source Emissions

IS NJID	Source/Group Description	Equipment Type	Location Description	Estimate of Emissions (tpy)								
				VOC (Total)	NOx	CO	SO	TSP	PM-10	Pb	HAPS (Total)	Other (Total)
IS87020	Colorant Mill #5 Horizontal Mill	Manufacturing and Materials Handling Equipment	Facility Floor									
IS87021	Portable tank #8 with Cowles Mixer #8, up to 350 gal.	Manufacturing and Materials Handling Equipment	Facility Floor	0.002				0.220	0.220			
IS87024	D12 Dispersion Tank 900 gal.	Manufacturing and Materials Handling Equipment	Platform #3	0.002				0.220	0.220			
IS87025	D13 Dispersion Tank 900 gal.	Manufacturing and Materials Handling Equipment	Platform #3	0.002				0.220	0.220			
IS87042	TK#31 5000 gal. T&S	Manufacturing and Materials Handling Equipment	Facility Floor	0.263				0.000	0.000		0.13000000	0.244
IS87043	TK#32 5000 gal. T&S	Manufacturing and Materials Handling Equipment	Facility Floor	0.263				0.000	0.000		0.13000000	0.244
IS87048	E 1650 gal. T&S	Manufacturing and Materials Handling Equipment	Facility Floor	0.263				0.000	0.000		0.13000000	0.244
IS87049	F 1650 gal. T&S	Manufacturing and Materials Handling Equipment	Facility Floor	0.263				0.000			0.13000000	0.244
IS87053	W8 550 gal. T&S	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244
IS87059	W14 1000 gal. T&S	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244

**New Jersey Department of Environmental Protection
Insignificant Source Emissions**

IS NJID	Source/Group Description	Equipment Type	Location Description	Estimate of Emissions (tpy)								
				VOC (Total)	NOx	CO	SO	TSP	PM-10	Pb	HAPS (Total)	Other (Total)
IS87060	W18 1000 gal. T&S	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244
IS87066	W24 1000 gal. T&S	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244
IS87086	ROSCO #1 Cowles Mixer T&S for 400 gal. portable tank	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244
IS87087	ROSCO #2 Cowles Mixer T&S for 400 gal. portable tank	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244
IS87088	ROSCO #3 Cowles Mixer T&S for 150 gal. portable tank	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244
IS87089	ROSCO #4 Cowles Mixer T&S for 150 gal. portable tank	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244
IS87090	ROSCO #5 Cowles Mixer T&S for 150 gal. portable tank	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244
IS87097	31 1/2 Thickener Tank 100 gal.	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244
IS87098	28 1/2 Thickener Tank 100 gal.	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244
IS87125	36 3000 gal. T&S	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244

**New Jersey Department of Environmental Protection
Insignificant Source Emissions**

IS NJID	Source/Group Description	Equipment Type	Location Description	Estimate of Emissions (tpy)								
				VOC (Total)	NOx	CO	SO	TSP	PM-10	Pb	HAPS (Total)	Other (Total)
IS87126	37 3000 gal. T&S	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244
IS87137	CTS16 4400 gal.T&S	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244
IS87138	CTS17 2775 gal.T&S	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244
IS87139	CTS18 2775 gal.T&S	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244
IS87140	CTS19 2775 gal.T&S	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244
IS87141	CTS20 4400 gal.T&S	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244
IS87142	CTS21 2775 gal.T&S	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244
IS87143	CTS22 2775 gal.T&S	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244
IS87144	CTS15 4400 gal.T&S	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244
IS87146	Colorant Mill #6 Horizontal Mill	Manufacturing and Materials Handling Equipment	Facility Floor									

**New Jersey Department of Environmental Protection
Insignificant Source Emissions**

IS NJID	Source/Group Description	Equipment Type	Location Description	Estimate of Emissions (tpy)								
				VOC (Total)	NOx	CO	SO	TSP	PM-10	Pb	HAPS (Total)	Other (Total)
IS87147	Colorant Mill #7 Horizontal Mill	Manufacturing and Materials Handling Equipment	Facility Floor									
IS87149	TS10 2470 gal T&S	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244
IS87150	TS11 2470 gal T&S	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244
IS87151	TS12 2470 gal T&S	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244
IS87153	CTS11 4400 gal. T&S Colorant	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244
IS87154	CTS12 4400 gal. T&S Colorant	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244
IS87155	CTS13 4400 gal. T&S Colorant	Manufacturing and Materials Handling Equipment	Facility Floor	0.263							0.13000000	0.244
IS87156	Portable tank #3 with Cowles Mixer #3, up to 480 gal. 60Hp	Manufacturing and Materials Handling Equipment	Facility Floor	0.002				0.220	0.220			
Total												

New Jersey Department of Environmental Protection Equipment Inventory

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand- Fathered	Last Mod. (Since 1968)	Equip. Set ID
E87001	MIX #1	7,500 GALLON LATEX DISPERSION TANK	Manufacturing and Materials Handling Equipment	PCP120002	1/1/2000	No	1/1/2000	ES2
E87002	MIX #2	7,500 GALLON LATEX DISPERSION TANK	Manufacturing and Materials Handling Equipment	PCP120002	5/1/1999	No	5/1/1999	ES2
E87019	D9	DISPERSION TANK - 3650 GAL ON PLATFORM #1	Manufacturing and Materials Handling Equipment	PCP120002	1/1/1993	No	4/3/1996	ES2
E87022	D10	DISPERSION TANK - 1200 GAL ON PLATFORM #2	Manufacturing and Materials Handling Equipment	PCP120002	1/1/1993	No	4/3/1996	ES2
E87023	D11	DISPERSION TANK - 1200 GAL ON PLATFORM #2	Manufacturing and Materials Handling Equipment	PCP120002	1/1/1993	No	4/3/1996	ES2
E87116	L1, T1-T3	PAINT FILLING LINE - 2 GAL (including (1) 555 gal holding tanks)	Manufacturing and Materials Handling Equipment	PCP120002	1/1/1993	No	4/3/1996	ES3
E87117	L2, T1-T2	PAINT FILLING LINE - 5 GAL (including (2) 650 gal holding tanks)	Manufacturing and Materials Handling Equipment	PCP120002	1/1/1993	No	4/3/1996	ES3
E87120	L3, T1-T2	PAINT FILLING LINE - 1 GAL (including (2) 650 gal holding tanks)	Manufacturing and Materials Handling Equipment	PCP120002	1/1/1993	No	4/3/1996	ES3
E87121	L4, T1	PAINT FILLING LINE -PINTS (including (1) 650 gal holding tank)	Manufacturing and Materials Handling Equipment	PCP120002	1/1/1993	No	4/3/1996	ES3

**New Jersey Department of Environmental Protection
Equipment Inventory**

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand- Fathered	Last Mod. (Since 1968)	Equip. Set ID
E87122	L5, T1-T2	ROSCO FILLED FROM ROLLERS	Manufacturing and Materials Handling Equipment	PCP120002	1/1/1993	No	4/3/1996	ES3
E87123	L6	COLORANT FILLING LINE - 1 QUART	Manufacturing and Materials Handling Equipment	PCP120002	1/1/1993	No	4/3/1996	ES3
E87128	D2	MIXING TANK - 2500 GAL	Manufacturing and Materials Handling Equipment	PCP120002	11/15/2003	No	4/3/1996	ES2
E87129	D3	MIXING TANK - 4110 GAL	Manufacturing and Materials Handling Equipment	PCP120002	11/15/2003	No	4/3/1996	ES2
E87130	D4	MIXING TANK - 3750 GAL	Manufacturing and Materials Handling Equipment	PCP120002	11/15/2003	No	4/3/1996	ES2
E87131	D5	MIXING TANK - 2500 GAL	Manufacturing and Materials Handling Equipment	PCP120002	11/15/2003	No	4/3/1996	ES2
E87132	D6	MIXING TANK - 2500 GAL	Manufacturing and Materials Handling Equipment	PCP120002	11/15/2003	No	4/3/1996	ES2
E87133	D7	MIXING TANK - 3750 GAL	Manufacturing and Materials Handling Equipment	PCP120002	11/15/2003	No	4/3/1996	ES2
E87134	D8	MIXING TANK - 2500 GAL	Manufacturing and Materials Handling Equipment	PCP120002	11/15/2003	No	4/3/1996	ES2

**New Jersey Department of Environmental Protection
Equipment Inventory**

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand- Fathered	Last Mod. (Since 1968)	Equip. Set ID
E87145	L8	COLORANT FILLING LINE - 1 GAL	Manufacturing and Materials Handling Equipment	PCP120002	11/15/2003	No	4/3/1996	ES3
E87152	D1	DISPERSANT TANK	Manufacturing and Materials Handling Equipment		11/15/2003	No	4/3/1996	ES2

**New Jersey Department of Environmental Protection
Emission Points Inventory**

PT NJID	Facility's Designation	Description	Config.	Equip. Diam. (in.)	Height (ft.)	Dist. to Prop. Line (ft)	Exhaust Temp. (deg. F)			Exhaust Vol. (acfm)			Discharge Direction	PT Set ID
							Avg.	Min.	Max.	Avg.	Min.	Max.		
PT8701	013	STACK #013 - BAGHOUSE	Round	26	45	205	75.0	50.0	105.0	20,000.0	15,000.0	22,000.0	Up	
PT8703	004	STACK #004	Round	36	52	120	75.0	50.0	105.0	20,000.0	18,000.0	22,000.0	Up	
PT8704	005	STACK #005	Round	18	44	180	75.0	50.0	105.0	2,300.0	2,000.0	2,600.0	Up	
PT8705	007	STACK #007	Round	18	44	360	75.0	50.0	105.0	5,200.0	4,900.0	5,500.0	Up	
PT8707	014	Stack #014 (7) North Wall Exhaust Fan	Round	36	22	140	85.0	60.0	90.0	50,000.0	10,000.0	100,000.0	Horizontal	
PT8708	015	STACK #015 - NORTH WALL FAN IN LOADING DOCK AREA	Round	26	11	135	70.0	60.0	80.0	5,000.0	2,000.0	7,500.0	Horizontal	
PT8710	VAPOR COL	VAPOR COLLECTION STACK	Round	24	40	198	60.0	32.0	180.0	13,000.0	13,000.0	13,000.0	Up	
PT100008	DC 002	DUST COLLECTOR DC 002	Round	24	40	237	60.0	32.0	180.0	12,750.0	12,750.0	12,750.0	Up	

**New Jersey Department of Environmental Protection
Control Device Inventory**

CD NJID	Facility's Designation	Description	CD Type	Install Date	Grand-Fathered	Last Mod. (Since 1968)	CD Set ID
CD8701	DC 001	DUST COLLECTOR	Particulate Filter (Cartridge)	9/1/1999	No	9/1/1999	
CD8702	DC 002	DUST COLLECTOR	Particulate Filter (Cartridge)	11/15/2003	No	11/15/2003	

New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

BP1 LATEX PAINT

OS1 LATEX PAINT LATEX PAINT PRODUCTION BP0S Type: Batch Manufacturing

Batch Process Operating Scenario Run Time (hours)

Min. Calc. Time: 3.5

Max. Calc. Time: 42.0

Min. User Time:

Max. User Time:

Step NJID	Facility's Designation	Step Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Step Run Time Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
ST1	LATEX PAINT	LATEX DISPERSION	Normal - Steady State	ES2	CD8701 (P) CD8702 (P)	PT100008 PT8701	3-01-014-30	2.0	4.0	A	200.0	1,000.0	60.0	160.0
ST3	LATEX PAINT	LATEX PAINT FILLING	Normal - Steady State	ES3		PT8708	3-01-014-60	0.5	6.0	A	0.0	7,500.0	60.0	100.0

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.

New Jersey Department of Environmental Protection **Potential to Emit**

Subject Item: BP1 LATEX PAINT

Operating Scenario: OS0 Summary

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
Ammonia	0.00000000	0.11400000	0.11400000	0.11400000	tons/yr	No
HAPs (Total)	0.00000000	0.12900000	0.12900000	0.12900000	tons/yr	No
PM-10 (Total)	0.00000000	0.22000000	0.22000000	0.22000000	tons/yr	No
TSP	0.00000000	22.00000000	0.22000000	0.22000000	tons/yr	No
Vinyl acetate	0.00000000	0.13000000	0.13000000	0.13000000	tons/yr	No
VOC (Total)	0.00000000	0.26500000	0.26500000	0.26500000	tons/yr	No

Subject Item: BP1 LATEX PAINT

Operating Scenario: OS1 LATEX PAINT

Step: ST1 LATEX PAINT

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
HAPs (Total)	0.00000000	0.00000000	0.00000000	0.00000000	lb/step	No
PM-10 (Total)	0.00000000	0.22000000	0.22000000	0.22000000	lb/step	No
TSP	0.00000000	22.00000000	0.22000000	0.22000000	lb/step	No
VOC (Total)	0.00000000	0.00190000	0.00190000	0.00190000	lb/step	No

Subject Item: BP1 LATEX PAINT

Operating Scenario: OS1 LATEX PAINT

Step: ST3 LATEX PAINT

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
HAPs (Total)	0.00000000	0.00000000	0.00000000	0.00000000	lb/step	No
PM-10 (Total)	0.00000000	0.00000000	0.00000000	0.00000000	lb/step	No

Benjamin Moore & Co., Inc. (05067)

Date: 11/23/2020

New Jersey Department of Environmental Protection
Potential to Emit

Subject Item: BP1 LATEX PAINT

Operating Scenario: OSI LATEX PAINT

Step: ST3 LATEX PAINT

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
TSP	0.00000000	0.00000000	0.00000000	0.00000000	lb/step	No
VOC (Total)	0.00000000	0.00002800	0.00002800	0.00002800	lb/step	No