

Lane Regional Air Protection Agency Standard Air Contaminant Discharge Permit

Review Report

Bulk Handling Systems

460 North Danebo Avenue Eugene, Oregon 97402 Website: https://bulkhandlingsystems.com/

Source Information:

Primary SIC	3559 – Special Industrial Machinery, NEC
Secondary SIC	
Primary NAICS	333249 – Other Industrial Machinery Manufacturing
Secondary NAICS	
Source Categories (LRAPA title 37, Table 1)	B.69: Surface Coating Operations: coating operations whose actual or

	expected usage of coating materials is greater than 250 gallons per month, excluding sources that exclusively use non-VOC and non-HAP containing coatings
Public Notice Category	III

Compliance and Emissions Monitoring Requirements:

Unassigned Emissions	N
Emission Credits	N
Special Conditions	N
Compliance Schedule	N

Source Test [date(s)]	N
COMS	N
CEMS	N
Ambient monitoring	N

Reporting Requirements

Annual Report (due date)	February 15
SACC (due date)	N
GHG Report (due date)	N
Quarterly Report (due date)	N

Monthly Report (due dates)	Ν
Excess Emissions Report	Y
Other Reports (due date)	N

Air Programs

NSPS (list subparts)	N
NESHAP (list subparts)	N
CAM	N
Regional Haze (RH)	N
Synthetic Minor (SM)	N
SM-80	Y
Title V	N
Part 68 Risk Management	N
ACDP (SIP)	N
Major FHAP Source	N
Federal Major Source	N
NA New Source Review (NSR)	N
Prevention of Significant	N
Deterioration (PSD)	
Acid Rain	N
Clean Air Mercury Rule (CAMR)	N

TACT	Ν
>20 Megawatts	Ν

Permit No. 200575

Permittee Identification

1. Bulk Handling Systems ('the facility' or 'BHS') operates a facility that manufactures specialty machinery for the recycling and separating industry at 460 North Danebo Avenue in Eugene, Oregon.

General Background

2. The facility began operations at the current location in 2008. The significant emission units at the facility include welding operations and two (2) spray paint booths. One of the spray booths existed on-site prior to the facility beginning operations at this location. The facility typically operates 2,000 hours per year (one shift).

Reasons for Permit Action and Fee Basis

3. This permit action is a renewal for an existing Standard Air Contaminant Discharge Permit (Standard ACDP) which was issued on November 2, 2018 and is scheduled to expire on November 2, 2023. As the facility submitted a timely renewal application on March 9, 2023, the current permit will remain in effect until final action has been taken on the renewal application. The facility is on a Standard ACDP due to the compliance history of the source as allowed under LRAPA 37-0025(5)(a)(E).

Attainment Status

4. The facility is located in an area that has been designated as attainment or unclassified for all criteria pollutants. The facility is inside the Eugene-Springfield UGB as defined in LRAPA 29-0010 which designates the Eugene-Springfield carbon monoxide (CO) and PM₁₀ maintenance areas. The facility is also located inside the Eugene-Springfield UGB as described in the current Eugene-Springfield Metropolitan Area General Plan, as amended.

Permitting History

5. LRAPA has reviewed and issued the following permitting actions to this facility:

Date(s) Approved/Valid	Permit Action Type	Description		
10/08/2008 - 10/07/2013	Minimal ACDP	Initial permit – Included Danebo location		
05/08/2009	Addendum 1	Administrative amendment – modify the permit type and fee basis		
07/1/2010	Addendum 2	Administrative amendment – change of address		
07/12/2010	Addendum 3	Administrative amendment – change the LUCS information for new location		
11/02/2018 - 11/02/2023	Standard ACDP	Renewal		
Upon Issuance	Standard ACDP	Renewal		

Compliance History

6. This facility is regularly inspected by LRAPA. The following table indicates the inspection history of this facility.

Agency	Type of Inspection	Date	Results	
LRAPA	Full Compliance Evaluation	12/19/2013	Not in compliance	
LRAPA	Full Compliance Evaluation	11/18/2022	No areas of non-	
			compliance discovered	

7. LRAPA has issued the following violation notices and/or taken the following enforcement actions against this facility:

- 7a. The facility was issued Notice of Non-Compliance (NON No. 3042) on July 31, 2008, for operating an air contaminant source without first having obtained an Air Contaminant Discharge Permit (ACDP). On November 27, 2007, the facility submitted an application to LRAPA for an ACDP, but LRAPA subsequently determined that an ACDP should have been obtained by the facility as early as January 2003. The facility was issued a Minimal ACDP (No. 200575) by LRAPA on October 8, 2008. As resolution to NON 3042, LRAPA proposed to assess permit fees in the amount of \$2,255 for the period of January 2003 through December 31, 2007. The facility paid the past due permit fees in the amount of \$2,255 on December 22, 2008, and the enforcement file was closed.
- 7b. The facility was issued a Notice of Non-Compliance (NON No. 3598) on January 20, 2016, and a Notice of Civil Penalty (NCP No. 16-3598) on January 26, 2016, for failing to submit the semi-annual reports for the 2014 reporting year and the semi-annual report for July 15, 2015. The requirement to submit semi-annual reports came into effect on October 26, 2012, with the issuance of the facility's Standard ACDP, which was a reevaluation of the permit type required for the facility determined from review of the Eugene Toxics Right to Know reporting indicating the facility's potential to emit exceeded the major source threshold for an individual HAP. LRAPA assessed a civil penalty of \$2,100, with a final order issued on March 28, 2016, for the full amount of the assessed civil penalty. The facility paid \$2,100 on March 30, 2016, and the case was closed.

Emission Unit Description

8. The emission units regulated by this permit are the following:

Emission Unit ID	Description	Pollution Control Device (PCD ID)	Installed / Last Modified
WO	Welding Operations	None	2008
PB-1	Paint Booth #1	Dry filters	<2008
PB-2	Paint Booth #2	Dry filters	2010

Emission Limitations

- 9. The facility is subject to the visible emission limitations under LRAPA 32-010(3). For sources, other than wood-fired boilers, no person may emit or allow to be emitted any visible emissions that equal or exceed an average of 20 percent opacity for a period or periods aggregating more than three (3) minutes in any one (1) hour. Compliance will be demonstrated through implementation of an Operation & Maintenance Plan for the dry filters.
- 10. The non-fuel burning equipment at this source that emit particulate matter are subject to the following particulate matter emission limitations under LRAPA 32-015(2):
 - 10a. For sources installed, constructed, or modified on or after June 1, 1970 but prior to April 16, 2015 for which there are no representative compliance source test results, the particulate matter emission limit is 0.14 grains per dry standard cubic foot; and
 - 10b. For sources installed, constructed, or modified after April 16, 2015, the particulate matter emission limit is 0.10 grains per dry standard cubic foot.

Compliance will be demonstrated through implementation of an Operation & Maintenance Plan for the dry filters.

11. Each emission unit at the facility is subject to the process weight rate emission limitations under LRAPA 32-045(1). No person may cause, suffer, allow, or permit the emissions of particulate matter in any one (1) hour from any process in excess of the amount shown in LRAPA 32-8010, for the process weight rate allocated to such process. Process weight is the total weight of all materials introduced into a piece of process equipment. Liquid and gaseous fuels and combustion

air are not included in the total weight of all materials. Compliance will be demonstrated through implementation of an Operation & Maintenance Plan for the dry filters.

- 12. The control equipment and spray booth operations at the facility must be operated and maintained at the highest and best practicable treatment and control of air contaminant emissions so as to maintain overall air quality at the highest possible levels, and to maintain contaminant concentrations, visibility reduction, odors, soiling, and other deleterious factors at the lowest possible levels under LRAPA 32-005(1). Compliance for the control equipment at the facility will be demonstrated through implementation of an Operation & Maintenance Plan. For the spray booth operations at the facility, the permittee will be required to (a) use dry filters achieving at least 98% captures of overspray particulate matter emissions, (b) use high transfer efficiency spray guns, (c) clean spray guns in an approved manner, (d) only allow trained personnel to spray apply coatings, and (e) keep VOC-containing materials closed when not in use.
- 13. Under LRAPA 49-020, the permittee must not cause or allow air contaminants from any source to cause a nuisance. Nuisance conditions will be verified by LRAPA personnel. Compliance will be demonstrated by the permittee maintaining a log of each nuisance complaint received during the operation of the facility. A plant representative must immediately investigate the condition following the receipt of the nuisance complaint and provide a response to the complainant within 24 hours, if practicable

Typically Achievable Control Technology (TACT)

- 14. LRAPA 32-008(1) requires an existing unit at a facility to meet TACT if the emission unit meets the following criteria: The emission unit is not already subject to emission standards for the regulated pollutant under LRAPA title 30, title 32, title 33, title 38, title 39 or title 46 at the time TACT is required; the source is required to have a permit; the emission unit has emissions of criteria pollutants equal to or greater than five (5) tons per year of particulate or ten (10) tons per year of any gaseous pollutant; and LRAPA determines that air pollution control devices and emission reduction processes in use for the emissions do not represent TACT and that further emission control is necessary to address documented nuisance conditions, address an increase in emissions, ensure that the source is in compliance with other applicable requirements, or to protect public health or welfare, or the environment,
 - 14a. For welding operations (EU: WO) the facility does not have potential particulate matter emissions that exceed five (5) tons per year. TACT is not applicable to this emission unit.
 - 14b. For the paint booths (EU: PB-1 and PB-2) the facility uses dry filters to control particulate matter emissions such that potential particulate matter emissions do not exceed five (5) tons per year from each individual spray booth. TACT is not applicable to particulate matter from any individual spray booth.
 - 14c. For the paint booths (EU: PB-1 and PB-2) the VOC emissions may exceed ten (10) tons per year from each individual spray booth. While LRAPA has not performed a formal TACT determination for VOCs, LRAPA has determined that the following requirements likely meet TACT: (1) the use of high volume, low pressure (HVLP), airless, air-assisted airless (AAA) and/or electrostatic spray gun technology (or equivalent), (2) prohibiting manual spray gun system cleaning from being performed outside a container that collects the gun cleaning solvent, and (3) requiring personnel who apply surface coatings to be trained in proper spray application of surface coatings. The facility's current use of airless spray guns results in the application of the least amount of VOC per square foot of product produced for their process. In addition, spray booths do not typically have add-on control technology due to the low concentration of VOCs and the high air flow rates resulting from these processes.

Plant Site Emission Limits (PSELs)

15. Provided below is a summary of the baseline emissions rate, netting basis, and PSELs for this facility.

Pollutant	Baseline Emission Rate (TPY)	Netting Basis		Plant Site Emission Limit (PSEL)		PSEL Increase	Significant
		Previous (TPY)	Proposed (TPY)	Previous PSEL (TPY)	Proposed PSEL (TPY)	Over Netting Basis (TPY)	Emission Rate (TPY)
PM	NA	0	0	NA	NA	NA	25
PM10	NA	0	0	NA	NA	NA	15
PM _{2.5}	NA	0	0	NA	NA	NA	10
CO	NA	0	0	NA	NA	NA	100
NOx	NA	0	0	NA	NA	NA	40
SO ₂	NA	0	0	NA	NA	NA	40
VOC	NA	0	0	39	39	39	40
GHG	NA	0	0	NA	NA	NA	75,000
Individual HAP	NA	NA	NA	9	9	NA	NA
Aggregate HAPs	NA	NA	NA	24	24	NA	NA

- 15a. The facility does not have a baseline emission rate for pollutants other than PM_{2.5} and GHGs because the facility was not in operation during either the 1977 or 1978 baseline year. A baseline emission rate is not established for PM_{2.5} in accordance with LRAPA 42-0048(3). The facility has no baseline for GHGs because the facility did not request a baseline for this pollutant.
- 15b. The netting basis for all pollutants is 0 (zero) in accordance with LRAPA 42-0046(4) and 42-0040(2)&(3).
- 15c. In accordance with OAR 340-222-0041(3), the PSEL for VOC is set equal to a level requested by the applicant. No PSELs are set for PM, PM₁₀, PM_{2.5}, NO_X, CO, SO₂ and GHGs in accordance with LRAPA 42-0020(3)(a) because these pollutants are emitted below the de minimis as defined in LRAPA title 12.
- 15d. The baseline year, netting basis, and SER are not applicable for limiting federal HAPs. The PSELs for individual federal HAPs and aggregate federal HAPs of nine (9) TPY and 24 TPY, respectively, were established under previous ACDPs and have not been revised under this renewal. The facility does have a capacity for federal HAPs that exceeds the major source thresholds for individual federal HAPs and aggregate federal HAPs of 10 TPY and 25 TPY, respectively. The HAP PSEL restricts the facility to less than major source thresholds.

Federal Hazardous Air Pollutants/Toxic Air Contaminants

- 16. The major source threshold for federal HAPs is 10 tons per year for an individual federal HAP and 25 tons per year from the aggregate of all federal HAPs. The facility currently has PSELs for federal HAPs that limit emissions to no more than nine (9) tons per year for an individual federal HAP and 24 tons per year for the aggregate of all federal HAPs to avoid being considered a major source of federal HAPs. Based upon the facility's current coating usage, the facility does have the capacity to exceed the major source threshold for an individual federal HAP. Therefore, the facility is considered a synthetic minor or area source of federal HAPs.
- 17. Under the Cleaner Air Oregon program, only existing sources that have been notified by LRAPA and new sources are required to perform risk assessments. This source has not been notified by LRAPA and is, therefore, not yet required to perform a risk assessment or report annual

emissions of toxic air contaminants. LRAPA required reporting of approximately 600 toxic air contaminants in 2016 and regulates approximately 260 toxic air contaminants that have Risk Based Concentrations established in the rule. All federal HAPs are on the list of approximately 600 toxic air contaminants. After the source is notified by LRAPA, they must update their inventory and perform a risk assessment to see if they must reduce risk from their toxic air contaminant emissions. Until then, sources will be required to report toxic air contaminant emissions triennially.

18. Provided below is a summary of the federal HAP and CAO TAC actual emission estimates. These estimates are based on the highest VOC emitting calendar year of 2018 adjusted by the production factor of 4.2 shown and ratioed by the VOC PSEL requested by the facility of 39 TPY. As the facility has requested a limit on individual federal HAPs to remain a synthetic minor source, the highest potential emission for an individual HAP is xylenes at 9 TPY. The potential emissions in aggregate of all federal HAPs is 11.7 TPY.

	CAS	Potential Emissions	Federal	CAO
Pollutant	Number	(199)	HAP	Air Ioxic
Organics				
Acetone	67-64-1	53.2	N	Y
Aliphatic Petroleum Distillates	64742-89-8	4.29	Ν	N
Ethyl Benzene	100-41-4	1.86	Y	Y
Glycol Ether Monobutyl Ether	111-76-2	0.13	Ν	Y
Isobutyl Alcohol	78-83-1	2.01	Ν	Ν
Methyl Ethyl Ketoxime	962-29-7	0.23	Ν	Ν
Methyl Isobutyl Ketone (MIBK)	108-10-1	0.13	Y	Y
Methyl n-Propyl Ketone	107-87-9	2.14	Ν	Ν
Mineral Spirits	64741-65-7	2.11	Ν	Ν
Naptha, Hydrotreated Heavy	64742-48-9	0.34	Ν	Ν
Toluene	108-88-3	0.62	Y	Y
Triethylamine	121-44-8	0.01	Y	Y
VM&P Naphtha	8032-32-4	15.0	Ν	Ν
Xylene	1330-20-7	9*	Y	Y
Metals				
Chromium (Total)	7440-47-3	3.4E-04	Y	Ν
Chromium (VI)	18540-29-9	3.4E-04	Y	Y
Cobalt	7440-48-4	3.4E-04	Y	Y
Manganese	7439-96-5	1.1E-01	Y	Y
Nickel	7440-02-0	3.4E-04	Y	Y

*Note: The potential emissions of this pollutant are set at the maximum allowable under the applicable HAP PSEL.

Toxics Release Inventory

- 19. The Toxics Release Inventory (TRI) is a federal program that tracks the management of certain toxic chemicals that may pose a threat to human health and the environment, over which LRAPA has no regulatory authority. It is a resource for learning about toxic chemical releases and pollution prevention activities reported by certain industrial facilities. Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) created the TRI program. In general, chemicals covered by the TRI program are those that cause:
 - Cancer or other chronic human health effects;
 - Significant adverse acute human health effects; or

• Significant adverse environmental effects.

There are currently over 650 chemicals covered by the TRI program. Facilities that manufacture, process or otherwise use these chemicals in amounts above established levels must submit annual TRI reports on each chemical. NOTE: The TRI program is a federal program over which LRAPA has no regulatory authority. LRAPA does not guarantee the accuracy of any information copied from EPA's TRI website.

In order to report emissions to the TRI program, a facility must operate under a reportable NAICS code, meet a minimum employee threshold, and manufacture, process, or otherwise use chemicals in excess of the applicable reporting threshold for the chemical. For calendar year 2021, this facility reported the emissions of the following chemicals:

Chemical Name	CAS Number	Fugitive Release (pounds)	Stack Release (pounds)	Total Releases / Transfers (pounds)
Copper Compounds	7440-50-8			2,436
Manganese Compounds	7439-96-5			6,090
Chromium Compounds	7440-47-3			2,436
Nickel Compounds	7440-02-0			2,436

New Source Performance Standards (NSPSs)

20. There are no emission units at this facility for which NSPS have been promulgated or are applicable.

National Emission Standards for Hazardous Air Pollutants (NESHAPs)

- 21. There are no emission units or activities at this facility for which NESHAPs have been promulgated or are applicable. LRAPA reviewed the following NESHAPs to determine their applicability to this facility:
 - 21a. 40 CFR Part 63 subpart MMMM National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products is not applicable because the facility is not a major source of federal HAPs.
 - 21b. 40 CFR Part 63 subpart HHHHHH National Emission Standards for Hazardous Air Pollutants: Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources is not applicable because the facility does not use methylene chloride for paint stripping, it is not an autobody refinishing operation, and has certified that the sprayed surface coatings used at the facility do not contain the following target federal HAPs: cadmium, chromium, manganese, nickel, or lead.
 - 21c. 40 CFR Part 63 subpart XXXXX National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories is not applicable because the facility is not classified in one of the nine major industrial groups subject to this rule. The facility manufactures recycling and material sorting equipment and is classified under SIC code 3559 – Special Industrial Machinery, NEC, or, alternately, SIC 3569 – General Industrial Machinery and Equipment, NEC.

Source Testing

22. The facility is not required to conduct source testing at this time. LRAPA is not aware of any historical source testing conducted at this facility.

Recordkeeping Requirements

23. The facility is required to keep and maintain a record of the following information for a period of at least five (5) years.

- 23a. VOC/HAP-containing materials include, but are not limited to, coatings, lacquers, thinners, stains, topcoats, solvents, adhesives, cleaning, and wash-off materials.
- 23b. The density and VOC and HAP content information must be supplied from CPDS or SDS provided by the manufacturer/supplier of the VOC/HAP containing material.

Activity	Parameter	Units	Minimum Recording Frequency
Emission Unit Recordkeeping	•	•	
VOC/HAP-containing material CPDS or SDS	Each coating and solvent	NA	Maintain documentation
VOC/HAP-containing material usage	Material name and usage	Gallons	Monthly
VOC/HAP-containing material usage	Density of material	Pounds per gallon	Each coating and solvent
VOC-containing material usage	VOC content	% by weight	Each coating and solvent
HAP-containing material usage	Individual HAP content	% By Weight	Each coating and solvent
Spray booth filter particulate matter control efficiency	Control efficiency	%	Maintain documentation from each filter manufacturer
Spray booth filter replacement	Occurrence	NA	Upon Replacement
Spray booth training	Training logs / certifications	NA	Maintain documentation of training
Spray coating application technology	Documentation	NA	Maintain documentation for each spray gun
Operation and Maintenance Plan	Document	NA	Maintain the current version on-site
General Recordkeeping			
Complaints from the public	Log each complaint and the resolution	NA	Upon receipt
Upset log of all planned and unplanned excess emissions	See Condition G15 of the permit	NA	Per occurrence

Reporting Requirements

24. The facility must submit to LRAPA the following reports by no later than the dates indicated in the table below:

Report	Reporting Period	Due Date
PSEL pollutant emissions as calculated according to Condition 5 of the permit, including supporting calculations.	Annual	February 15
A summary of maintenance and repairs performed on any pollution control devices at the facility.	Annual	February 15
A summary of complaints from the public and the resolution, as applicable.	Annual	February 15
The upset log information required by Condition G13 of the permit, if required by Condition G13.	Annual	February 15

25. The permittee is not subject to greenhouse gas reporting under OAR 340 Division 215 because actual greenhouse gas emissions are less than 2,500 metric tons (2,756 short tons) of CO₂ equivalents per year. If the source ever emits more than this amount, they will be required to report greenhouse gas emissions.

Public Notice

26. Pursuant to LRAPA 37-0066(4)(a)(A), issuance of renewed Standard Air Contaminant Discharge Permit requires public notice in accordance with LRAPA 31-0030(3)(c), which requires LRAPA to provide notice of the proposed permit action and a minimum of 35 days for interested persons to submit written comments.

The draft permit was on public notice June 21, 2023 to July 25, 2023. No written comments were submitted during the 35-day comment period.

JJW/cmw 08/09/2023

Bulk Handling Systems Permit Number: 200575 Expiration Date: August 9, 2028

Emission Details

Bulk Handling Systems - 200575								
Emission Detail Sheets								
Facility Potential Emissions Summary								
Criteria Pollutant Emissions								
Emission Unit	PM (TPY)	PM10 (TPY)	PM2.5 (TPY)	SO ₂ (TPY)	NO _x (TPY)	CO (TPY)	VOC (TPY)	GHGs (TPY)
Spray Booths (2)	0.46	0.46	0.46	0	0	0	39	0
Welding Operations	0.18	0.18	0.18	0	0	0	0	0
	de minimis	de minimis	de minimis	de minimis	de minimis	de minimis	39	de minimis
		Adjusted PTE						
Compound	CAS Number	(TPY)	HAP	CAO				
Organics								
Acetone	67-64-1	53.2	N	Y				
Aliphatic Petroleum Distillates	64742-89-8	4.29	N	N				
Benzene	71-43-2	0.00	Y	Y				
Ethyl Benzene	100-41-4	1.86	Y	Y				
Glycol Ether Monobutyl Ether	111-76-2	0.13	N	Y				
Isobutyl Alcohol	78-83-1	2.01	N	N				
Methyl Ethyl Ketoxime	962-29-7	0.23	N	N				
Methyl Isobutyl Ketone (MIBK)	108-10-1	0.13	Y	Y				
Methyl n-Propyl Ketone	107-87-9	2.14	N	N				
Mineral Spirits	64741-65-7	2.11	N	N				
Naptha, Hydrotreated Heavy	64742-48-9	0.34	N	N				
Toluene	108-88-3	0.62	Y	Y				
Triethylamine	121-44-8	0.01	Y	Y				
VM&P Naphtha	8032-32-4	15.0	N	N				
Xylene	1330-20-7	9	Y	Y				
Metals								
Chromium (Total)	7440-47-3	3.4E-04	Y	N				
Chromium (VI)	18540-29-9	3.4E-04	Y	Y				
Cobalt	7440-48-4	3.4E-04	Y	Y				
Manganese	7439-96-5	1.1E-01	Y	Y				
Nickel	7440-02-0	3.4E-04	Y	Y				
Lead	7439-92-1	0.0E+00	Y	Y				
A	ggregate Adjuste	ed PTE (TPY) =	11.7	65				
Max Ir	ndividual Adjuste	ed PTE (TPY) =	9					
Note:								
PSEL analysis only for units that are not c	ategorically insign	ificant activities.						
Facility PTE is greater than their original G	eneric PSEL of 39	TPY for VOC. I	Facility requests	s to remain at a	in elected PSEL	of 39 TPY of V	OC.	
Spray booth PM/PM10/PM2.5 has been ad	justed by the ratio	of the 39 TPY \	OC PSEL to th	e 71.3 TPY VC	OC PTE.			
HAP/CAO organic emission totals have be	en adjusted by the	e ratio of the 39	TPY VOC PSEL	_ to the 71.3 TF	PY VOC PTE.			
Facility has requested to retain the limit on	federal HAPs of	9.0 TPY for each	individual HAP	and 24 TPY for	r the aggretate o	of the HAPs.		
Xylene emissions are set at the requested	limit for an individ	ual federal HAP	of 9 TPY.					

Bulk Handling Systems Permit Number: 200575 Expiration Date: August 9, 2028

Bulk Handling Systems - 200575																														
Emission Detail Sheets																														
Spray Booth Emissions																														
65%	= Minimum	Coating Tra	nsfer Efficie	ency																										
98.0%	= Minimum	Filter PM Re	emoval Effi	ciency																										
4.2	= Scale Up	Factor																												
								_																						
	2018		2018			voc	PM																							
	Gallons	Coating	Pounds	VOC	Solids	Emissions	Emissions																							
Product Name	Used	(lb/gal)	Used	(% wt.)	(% wt)	(lbs/yr)	(lbs/yr)																							
708098 Barrier III Metal Primer Gray	0	10.20	0	44.0%	56.0%	0	0	_																						
708001 Barrier III Metal Primer White	0	10.50	0	42.5%	57.5%	0	0	_																						
708099 Barrier III Metal Primer Black	310	10.90	3,379	45.1%	54.9%	1,524	13	_																						
733823 Low HAP Metal Primer II	4,715	10.80	50,922	26.0%	74.0%	13,237	264	_																						
758001 AAQD White Base	805	8.50	6,843	35.9%	64.1%	2,456	31																							
758002 AAQD Midtone	10	8.40	84	47.1%	52.9%	40	0																							
758003 AAQD Deeptone Base 3	1,245	7.60	9,462	53.4%	46.6%	5,053	31	_																						
758004 AAQD Clear	2,395	8.20	19,639	57.7%	42.3%	11,332	58	_																						
758082 AAQD Safety Red	5	7.90	40	54.2%	45.8%	21	0	_																						
758083 AAQD Safety Blue	0	7.80	0	58.4%	41.6%	0	0																							
758084 AAQD Safety Yellow	65	8.00	520	55.7%	44.3%	290	2	_																						
799273 Acetone	6,390	7.25	46,328	0.0%	0.0%	0	0																							
799267 Xylol	0	7.2	0	100.0%	0.0%	0	0																							
Total Usage (gal) =	15,940		2018	Total Emissi	ions (TPY) =	17.0	0.20																							
				Max	PTE (TPY) =	71.3	0.84																							
																	ALIPH	HATIC	NAPT	ΉA,										
													GLYCO	L ETHER			ALIPH	HATIC	NAPT HYDROTI	'HA, REATED	METHYL	. ETHYL			METHYL	N-PROPL	METHYL	SOBUTYL		
	XYL	.ENE	VM&P N	IAPHTHA	TRIETH	(LAMINE	TOL	UENE	MINERA	SPIRITS	ISOBUTY	ALCOHOL	GLYCO MONOBU	l ether Fyl ether	ETHYL I	BENZENE	ALIPH PETRO DISTIL	HATIC DLEUM LATES	NAPT HYDROTI HEA	THA, REATED VY	METHYL KETO	. ETHYL XIME	BEN	ZENE	METHYL	N-PROPL	METHYL KETON	ISOBUTYL E (MIBK)	ACET	ONE
	XYL 1330	.ENE	VM&P N 8032	IAPHTHA 2-32-4	TRIETH	(LAMINE	TOL 108	UENE 	MINERAI 6474	SPIRITS	ISOBUTYI 78	ALCOHOL	GLYCO MONOBU	L ETHER TYL ETHER -76-2	ETHYL I	BENZENE	ALIPH PETRO DISTIL 64742	HATIC DLEUM LATES 2-89-8	NAPT HYDROTH HEA 64742	THA, REATED VY -48-9	METHYL KETO 962-	ETHYL XIME 29-7	BEN:	ZENE 13-2	METHYL KE	N-PROPL TONE 7-87-9	METHYL KETON 108	ISOBUTYL E (MIBK) -10-1	ACET 67-6	ONE
Product Name	XYL 1330 %	ENE -20-7 Emissions	VM&P N 8032 %	IAPHTHA 2-32-4 Used	TRIETH 121 %	/LAMINE -44-8 Used	TOL 108 %	UENE I-88-3 Used	MINERAI 6474 %	SPIRITS 1-65-7 Used	ISOBUTYI 78 %	ALCOHOL 83-1 Used	GLYCO MONOBU 111 %	L ETHER TYL ETHER -76-2 Use d	ETHYL I 100 %	BENZENE 41-4 Used	ALIPH PETRO DISTIL 64742 %	HATIC DLEUM LATES 2-89-8 Used	NAPT HYDROTT HEA 64742 %	THA, REATED VY -48-9 Used	METHYL KETO 962- %	29-7 Used	BEN2 71-4 %	ZENE 13-2 Used	METHYL KE 107 %	N-PROPL TONE 7-87-9 Used	METHYL KETON 108 %	SOBUTYL E (MIBK) -10-1 Used	ACET 67-6 %	ONE 4-1 Used
Product Name 708098 Barrier III Metal Primer Gray	XYL 1330 % 0.364	ENE -20-7 Emissions 0.00	VM&P N 8032 %	IAPHTHA 2-32-4 Used	TRIETH 121 %	(LAMINE 44-8 Used	TOL 108 %	UENE I-88-3 Used	MINERAI 6474 % 0.001	SPIRITS 1-65-7 Use d 0.00	ISOBUTYI 78 %	ALCOHOL 83-1 Used	GLYCO MONOBU 111 %	L ETHER TYL ETHER -76-2 Used	ETHYL 8 100 % 0.073	3ENZENE -41-4 Used 0.00	ALIPH PETRO DISTIL 64742 %	HATIC DLEUM LATES 2-89-8 Use d	NAPT HYDROTI HEA 64742 %	THA, REATED VY -48-9 Used	METHYL KETO 962- % 0.002	29-7 Used	BENJ 71-4 %	ZENE 13-2 Use d	METHYL KE 107 %	N-PROPL TONE 7-87-9 Used	METHYL KETON 108 %	ISOBUTYL E (MIBK) -10-1 Used	ACET 67-6 %	ONE 4-1 Used
Product Name 708098 Barrier III Metal Primer Gray 708001 Barrier III Metal Primer White	XYL 1330 % 0.364 0.350	ENE -20-7 Emissions 0.00 0.00	VM&P N 803: %	IAPHTHA 2-32-4 Used	TRIETH 121 %	(LAMINE 44-8 Used	TOL 108 %	UENE I-88-3 Used	MINERAI 6474 % 0.001	- SPIRITS 1-65-7 Use d 0.00	ISOBUTYI 78 %	ALCOHOL 83-1 Used	GLYCO MONOBU 111 %	L ETHER IYL ETHER -76-2 Used	ETHYL I 100 % 0.073 0.073	41-4 Used 0.00 0.00	ALIPH PETRO DISTIL 64742 %	HATIC DLEUM LATES 2-89-8 Used	NAPT HYDROTI HEA 64742 %	THA, REATED VY -48-9 Used	METHYL KETO 962- % 0.002 0.0019	29-7 Used 0.00	BEN2 71-4 %	ZENE 13-2 Use d	METHYL KE 103 %	N-PROPL TONE 7-87-9 Used	METHYL KETON 108 %	ISOBUTYL E (MIBK) -10-1 Used	ACET 67-6 %	ONE 4-1 Used
Product Name 708098 Barrier III Metal Primer Gray 708019 Barrier III Metal Primer White 708099 Barrier III Metal Primer Black	XYL 1330 % 0.364 0.350 0.369	ENE Emissions 0.00 0.00 1246.85	VM&P N 8032 %	2-32-4 Used	TRIETH* 121 %	44-8 Used	TOL 108 %	UENE 88-3 Used	MINERAI 6474 % 0.001	SPIRITS 1-65-7 Used 0.00 3.38	ISOBUTYI 78 %	ALCOHOL 83-1 Used	GLYCO MONOBU 111 %	-76-2 Use d	ETHYL 8 100 % 0.073 0.073 0.076	41-4 Used 0.00 0.00 256.80	ALIPH PETRO DISTIL 64742 %	HATIC DLEUM LATES 2-89-8 Used	NAPT HYDROTH HEA 64742 %	THA, REATED VY -48-9 Used	METHYL KETO 962- % 0.002 0.0019 0.002	29-7 Used 0.00 0.00 6.76	BEN2 71-4 %	ZENE 13-2 Used	METHYL KE 107 %	N-PROPL TONE 7-87-9 Used	METHYL KETON 108 %	ISOBUTYL E (MIBK) -10-1 Used	ACET 67-6 %	ONE 4-1 Used
Product Name 708098 Barrier III Metal Primer Gray 708009 Barrier III Metal Primer White 708099 Barrier III Metal Primer Black 73823 Low HAP Metal Primer II	XYL 1330 % 0.364 0.350 0.369	ENE -20-7 Emissions 0.00 0.00 1246.85	VM&P N 803: %	IAPHTHA 2-32-4 Used 11080.63	TRIETH' 121 %	/LAMINE 44-8 Used 10.14	TOL 108 %	UENE -88-3 Used	MINERAL 6474 % 0.001 0.001 0.0015	SPIRITS 1-65-7 Use d 0.00 3.38 75.36	ISOBUTYI 78 %	ALCOHOL 83-1 Used	GLYCO MONOBU 111 %	L ETHER TYL ETHER -76-2 Used	ETHYL I 100 % 0.073 0.073 0.076	41-4 Used 0.00 0.00 256.80	ALIPH PETRO DISTIL 64742 %	HATIC DLEUM LATES 2-89-8 Use d	NAPT HYDROTI HEA 64742 %	THA, REATED VY -48-9 Used	METHYL KETO 962- % 0.002 0.0019 0.002 0.0021	29-7 Used 0.00 0.00 6.76 106.94	BEN2 71-4 %	ZENE 13-2 Use d	METHYL KE 107 %	N-PROPL TONE 7-87-9 Used 1860.38	METHYL KETON 108 %	SOBUTYL E (MIBK) -10-1 Used 113.91	ACET 67-6 %	ONE 4-1 Used
Product Name 70908 Barrier III Metal Primer Gray 709001 Barrier III Metal Primer White 70909 Barrier III Metal Primer Black 73323 Low HAP Metal Primer II 73901 AACD White Base	XYL 1330 % 0.364 0.350 0.369 0.202	ENE Emissions 0.00 1246.85 1382.19	VM&P N 803: % 0.22 0.04	IAPHTHA 2-32-4 Used 11080.63 287.39	TRIETH' 121 %	/LAMINE 44-8 Used 10.14	TOL 108 %	UENE +88-3 Used 75.27	MINERAI 6474 % 0.001 0.001 0.0015 0.041	SPIRITS 1-65-7 Used 0.00 3.38 75.36 280.54	ISOBUTYI 78 %	ALCOHOL 83-1 Used	GLYCO MONOBUT 111 %	L ETHER TYL ETHER -76-2 Used 109.48	ETHYL I 100 % 0.073 0.073 0.076 0.036	41-4 Used 0.00 0.00 256.80 246.33	ALIPH PETRO DISTIL 64742 %	HATIC DLEUM LATES 2-89-8 Used	NAP1 HYDROTI HEA 64742 % 	THA, REATED VY -48-9 Used 75.27	METHYL KETO 962- % 0.002 0.0019 0.002 0.0021	29-7 Used 0.00 0.00 6.76 106.94	BEN; 71-4 %	ZENE 13-2 Used	METHYL KE 107 %	N-PROPL TONE 7-87-9 Used 1860.38	METHYL KETON 108 %	SOBUTYL E (MIBK) -10-1 Used 113.91	ACET 67-6 %	ONE 4-1 Used
Product Name 708008 Barrier III Metal Primer Gray 708001 Barrier III Metal Primer White 708009 Barrier III Metal Primer Black 738262 Low HAP Metal Primer II 738001 AAOD White Base 758002 AAOD Midtone	XYL 1330 % 0.364 0.350 0.369 0.202 0.182	ENE Emissions 0.00 1246.85 1382.19 15.29	VM&P N 8032 % 0.22 0.04 0.05	APHTHA 2-32-4 Used 11080.63 287.39 4.20	TRIETH* 121 % 0.003	/LAMINE 44-8 Used 10.14	TOL 108 % 0.011 0.013	UENE +88-3 Used 75.27 1.09	MINERAI 6474 % 0.001 0.001 0.0015 0.041 0.055	SPIRITS 1-65-7 Used 0.00 3.38 75.36 280.54 4.62	ISOBUTYI 78 %	ALCOHOL 83-1 Used	GLYCO MONOBUT 111 %	L ETHER TYL ETHER -76-2 Used 109.48	ETHYL I 100 % 0.073 0.073 0.076 0.036 0.059	3ENZENE 41-4 Used 0.00 0.00 256.80 246.33 4.96	ALIPH PETRC DISTIL 64742 %	HATIC DLEUM LATES 2-89-8 Used 9.41	NAP1 HYDROTI HEA 64742 % 	THA, REATED VY -48-9 Used 75.27	METHYL KETO 962- % 0.002 0.0019 0.002 0.0021	29-7 Used 0.00 0.00 6.76 106.94	BEN; 71-4 %	ZENE 13-2 Used	METHYL KE 107 % 0.037	N-PROPL TONE 7-87-9 Used 1860.38	METHYL KETON 108 %	SOBUTYL E (MIBK) -10-1 Used 113.91	ACET 67-6 %	ONE 4-1 Used
Product Name 708088 Barrier III Metal Primer Gray 708091 Barrier III Metal Primer White 708093 Barrier III Metal Primer Black 738321 Jour HAP Metal Primer J 738001 AAOD White Base 738002 AAOD Midtore 738003 AAOD Deptone Base 3	XYL 1330 % 0.364 0.350 0.369 0.202 0.182 0.199	-20-7 Emissions 0.00 1246.85 1382.19 15.29 1882.94	VM&P N 8032 % 0.22 0.04 0.05 0.05	2-32-4 Used 11080.63 287.39 4.20 501.49	TRIETH 121 %	/LAMINE 44-8 Used 10.14	TOL 108 % 0.011 0.013 0.015	UENE 88-3 Used 	MINERAI 6474 % 0.001 0.001 0.0015 0.041 0.055 0.048	SPIRITS 1-65-7 Used 0.00 3.38 75.36 280.54 4.62 454.18	ISOBUTYI 78 %	ALCOHOL 83-1 Used 520.41	GLYCO MONOBU 111 %	L ETHER TYL ETHER -76-2 Used 	ETHYL 8 100 % 0.073 0.073 0.076 0.036 0.059 0.036	41-4 Used 0.00 0.00 256.80 246.33 4.96 340.63	ALIPH PETRC DISTIL 64742 %	HATIC DLEUM LATES 2-89-8 Used 9.41 1125.98	NAP1 HYDROTH HEA 64742 % 0.011 0.006	HA, REATED VY -48-9 Used 75.27 56.77	METHYL KETO 962- % 0.002 0.0019 0.002 0.0021 0.0021	29-7 Used 0.00 0.00 6.76 106.94 28.39	BEN: 71⊣ %	ZENE Used	METHYL KE 107 % 0.037	N-PROPL TONE 7-87-9 Used 1860.38	METHYL KETON 108 % 0.0022	SOBUTYL E (MIBK) -10-1 Used 113.91	ACET 67-6 %	ONE 4-1 Used
Product Name 708098 Barrier III Metal Primer Gray 708099 Barrier III Metal Primer Black 738021 Acot Metal Primer II 738001 AcOt Mitche Base 758002 AcAD Mitchene 758003 AcAD Degotone Base 3 758004 AcAD Clear	XYL 1330 % 0.364 0.350 0.369 0.202 0.182 0.199 0.211	ENE -20-7 Emissions 0.00 1246.85 1382.19 15.29 1882.94 4143.83	VM&P N 803 % 0.22 0.04 0.05 0.05 0.05 0.06	APHTHA -32-4 Used 11080.63 287.39 4.20 501.49 1099.78	TRIETH 121 %	/LAMINE 44-8 Used 10.14	TOL 108 % 0.011 0.013 0.015 0.016	UENE +88-3 Used 75.27 1.09 141.93 314.22	MINERAI 6474 % 0.001 0.001 0.0015 0.0015 0.041 0.055 0.048 0.052	SPIRITS 1-65-7 Used 0.00 3.38 75.36 280.54 4.62 454.18 1021.23	ISOBUTYI 78 % 	ALCOHOL 83-1 Used 520.41 1197.98	GLYCO MONOBU 111 %	L ETHER TYL ETHER 76-2 Used 109.48	ETHYL 8 100 % 0.073 0.073 0.076 0.076 0.036 0.059 0.036 0.038	3ENZENE 41-4 Used 0.00 0.00 256.80 246.33 4.96 340.63 746.28	ALIPH PETRC DISTIL 64742 % 0.112 0.112 0.119 0.132	HATIC DLEUM LATES 2-89-8 Used 9.41 1125.98 2592.35	NAP1 HYDROTH HEA 64742 % 0.011 0.0011 0.006 0.008	HA, REATED VY -48-9 Used 75.27 56.77 157.11	METHYL KETO 962- % 0.002 0.0019 0.002 0.0021 0.0021 0.003 0.003	ETHYL XIME 29-7 0.00 0.00 6.76 106.94 28.39 58.92	BEN: 71- %	ZENE Used	METHYL KE 107 % 	N-PROPL TONE 7-87-9 Used 1860.38 1860.38	METHYL KETON 108 % 	SOBUTYL E (MIBK) -10-1 Used 113.91	ACET 67-6 %	ONE 4-1 Used
Product Name 70008 Barrier III Metal Primer Gray 700001 Barrier III Metal Primer Black 700098 Barrier III Metal Primer Black 73823 Low HAP Metal Primer II 758002 AAOD Metal Primer II 758002 AAOD Mictone 758003 AAOD Deptone Base 3 758004 AAOD Clear 758004 AAOD Stefut Red	XYL 1330 % 0.364 0.350 0.369 0.202 0.182 0.199 0.211 0.224 0.224	20-7 Emissions 0.00 1246.85 1382.19 15.29 1882.94 4143.83 8.85 8.85	VM&P N 8032 % 0.22 0.04 0.05 0.05 0.06 0.083	2-32-4 Used 11080.63 287.39 4.20 501.49 1099.78 3.28 3.28	TRIETH' 121 % 0.003	/LAMINE 44-8 Used 10.14	TOL 108 % 0.011 0.013 0.015 0.016 0.014	UENE +88-3 Used 75.27 1.09 141.93 314.22 0.55 0.55	MINERAI 6474 % 0.001 0.001 0.0015 0.041 0.055 0.048 0.052	SPIRITS 1-65-7 Used 0.00 3.38 75.36 280.54 4.62 454.18 1021.23	ISOBUTYI 78 % 0.06 0.06 0.06	ALCOHOL 83-1 Used 520.41 1197.98 2.13	GLYCO MONOBU 111 %	L ETHER TYL ETHER -76-2 Used 109.48	ETHYL I 100 % 0.073 0.073 0.076 0.036 0.059 0.036 0.038 0.04 0.04	3ENZENE 41-4 Used 0.00 256.80 246.33 4.96 340.63 746.28 1.58 1.58	ALIPH PETRO DISTIL 64742 % 0.112 0.112 0.112 0.1132 0.118	ATTIC DLEUM LATES 2-89-8 Used 9.41 1125.98 2592.35 4.66	NAPT HYDROTI HEA 64742 % 0.011 0.0011 0.006 0.008 0.006	HA, REATED VY 48-9 Used 75.27 56.77 157.11	METHYL KETO 962- % 0.002 0.0019 0.002 0.0021 0.0021 0.003 0.003 0.003 0.003	29-7 Used 0.00 0.00 6.76 106.94 28.39 58.92 0.12	BEN 71-4 %	ZENE 13-2 Use d	METHYL KE 107 % 0.037	N-PROPL TONE 7-87-9 Used 1860.38	METHYL KETON 108 %	SOBUTYL E (MIBK) -10-1 Used 113.91	ACET 67-6 %	ONE 4-1 Used
Product Name 70808 Barrier III Metal Primer Gray 70809 Barrier III Metal Primer Uhrie 70809 Barrier III Metal Primer Black 73823 Low HAP Metal Primer II 78001 AAOD White Base 758003 AAOD Desptone Base 3 758004 AAOD Clear 758082 AAOD Safety Bitue	XYL 1330 % 0.364 0.350 0.369 0.202 0.182 0.199 0.211 0.224 0.228	ENE -20-7 Emissions 0.00 0.00 1246.85 	VM&P N 8032 % 0.22 0.04 0.05 0.05 0.06 0.083 0.12	APHTHA -32-4 Used 11080.63 287.39 4.20 501.49 1099.78 3.28 0.00 0.00	TRIETH' 121 %	/LAMINE 44-8 Used 10.14	TOL 108 % 0.011 0.013 0.015 0.016 0.014 0.012	UENE +98-3 Used 75.27 1.09 141.93 314.22 0.55 0.00	MINERAI 6474 % 0.001 0.0015 0.041 0.055 0.048 0.052	SPIRITS 1-65-7 Used 0.00 3.38 75.36 280.54 4.62 454.18 1021.23	ISOBUTYI 78 % 0.06 0.06 0.054 0.05	ALCOHOL 83-1 Used 520.41 1197.98 2.13 0.00	GLYCO MONOBU 111 %	L ETHER I'VL ETHER -76-2 Used 109.48	ETHYL I 100 % 0.073 0.076 0.036 0.059 0.036 0.038 0.04 0.040 0.040	3ENZENE 41-4 Used 0.00 256.80 246.33 4.96 340.63 746.28 1.58 0.00	ALIPH PETRO DISTIL 64742 % 0.112 0.112 0.119 0.132 0.118 0.117	AATIC DLEUM LATES 2-89-8 Used 9.41 1125.98 2592.35 4.66 0.00	NAP1 HYDROTT HEA 64742 % 0.011 0.001 0.006 0.008 0.006 0.006	HA, REATED VY -48-9 Used 75.27 56.77 157.11 0.00	METHYL KETO 962- % 0.002 0.0019 0.002 0.0021 0.003 0.003 0.003 0.003 0.003	29-7 Used 0.00 0.00 6.76 106.94 28.39 58.92 0.12 0.00	BEN2 71-4 %	2ENE 13-2 Used	METHYL KE 107 %	N-PROPL TONE -787-9 Used 1860.38	METHYL KETON 108 %	SOBUTYL E (MIBK) -10-1 Used 113.91	ACET 67-6 %	ONE 4-1 Used
Product Name 708098 Barrier III Metal Primer Gray 708091 Barrier III Metal Primer Black 708093 Barrier III Metal Primer II 788001 AAOD Write Base 788001 AAOD Write Base 788001 AAOD Mictone 788083 AAOD Safety Red 78883 AAOD Safety Palow 78883 AAOD Safety Palow	XYL 1330 % 0.364 0.360 0.369 0.202 0.182 0.199 0.211 0.224 0.224 0.228 0.231	ENE 220-7 Emissions 0.00 1246.85 1382.19 15.29 1882.94 4143.83 8.000 120.12	VM&P N 8032 % 0.22 0.04 0.05 0.06 0.083 0.12 0.102	APHTHA 2-32-4 Used 11080.63 287.39 4.20 501.49 1099.78 3.00 53.04	TRIETH' 121 %	/LAMINE 44-8 Used 10.14	TOL 108 % 0.011 0.013 0.015 0.016 0.014 0.012 0.012	UENE -88-3 Used 75.27 1.09 141.93 314.22 0.45 0.00 6.24	MINERAI 6474 % 0.001 0.0015 0.041 0.055 0.048 0.052	SPIRITS 145-7 Used 0.00 3.38 75.36 280.54 4.62 454.18 1021.23	ISOBUTYI 78 % 0.06 0.06 0.054 0.054	ALCOHOL 83-1 Used 520.41 1197.98 0.00 27.04	GLYCO MONOBUT 111 %	L ETHER IYL ETHER -76-2 Used 	ETHYL I 100 % 0.073 0.073 0.076 0.036 0.059 0.036 0.038 0.040 0.040	3ENZENE 41-4 Used 0.00 0.00 256.80 246.33 4.96 340.63 746.28 1.58 0.00 21.32	ALIPH PETRC DISTIL 64742 % 0.112 0.119 0.112 0.119 0.1132 0.1111	HATIC LEUM LATES 2:89-8 Use d 9.41 1125.98 2:592.35 4.66 0.00	NAP1 HYDROTI HEA 64742 % 0.011 0.006 0.006 0.006 0.006 0.006	HA, REATED VY -48-9 Used 75.27 56.77 157.11 0.00 3.12	METHYL KETO 962- % 0.002 0.0019 0.002 0.002 0.003 0.003 0.003 0.003 0.004 0.002	28-7 Used 0.00 0.00 6.76 106.94 28.39 58.92 0.12 0.00 1.04	BEN/ 71-4 %	ZENE 13-2 Used	METHYL KE 107 %	N-PROPL TONE 	METHYL KETON 108 %	SOBUTYL E (MIBK) -10-1 Used 113.91	ACET 67-6	ONE 4-1 Used
Product Name 70808 Barrier III Metal Primer Gray 708001 Barrier III Metal Primer White 708001 Aardo Hetal Primer Black 738011 AADD Metal Primer II 738001 AADD Metal Primer II 758001 AADD Desptone Base 3 758004 AADD Safety Red 758084 PaADD Safety Red 758084 PaADD Safety Red 758084 PaADD Safety Vellow 798273 Acdone	XYL 1330 % 0.364 0.350 0.369 0.202 0.182 0.199 0.211 0.224 0.228 0.231	ENE 2-20-7 Emissions 0.00 1246.85 1382.19 15.29 1882.94 4143.83 8.85 0.00 120.12	VM&P N 8032 % 0.22 0.04 0.05 0.05 0.06 0.083 0.12 0.102	APHTHA 2-32-4 Used 11080.63 287.39 4.20 501.49 1099.78 3.28 0.00 53.04	TRIETH' 121 %	/LAMINE 44-8 Used 10.14	TOL 108 % 0.011 0.013 0.015 0.016 0.014 0.012 0.012	UENE -88-3 Used 75.27 1.09 141.93 314.22 0.55 0.00 6.24	MINERAI 6474 % 0.001 0.0015 0.041 0.055 0.048 0.052	SPIRITS 1-65-7 Used 0.00 3.38 75.36 280.54 4.62 4.62 4.54.18 1021.23	ISOBUTYI 78 % 0.06 0.06 0.054 0.05 0.05	ALCOHOL 83-1 Used 520.41 1197.98 2.13 0.00 27.04	GLYCO MONOBU 111 %	L ETHER 176-2 Used 109.48	ETHYL 8 100 % 0.073 0.073 0.036 0.059 0.036 0.038 0.038 0.04 0.041	3ENZENE 41-4 Used 0.00 256.80 246.33 4.96 340.63 746.28 1.58 0.00 21.32	ALIPH PETRC DISTIL 64742 % 0.112 0.119 0.132 0.118 0.117 0.111	HATIC LEUM LATES 299-8 Used 9.41 1125.98 2592.35 4.66 0.00	NAP1 HYDROTI HEA 64742 % 0.011 0.006 0.006 0.008 0.006 0.006	HA, REATED VY -48-9 Used 75.27 56.77 157.11 0.00 3.12	METHYL KETO 962- % 0.002 0.002 0.002 0.002 0.003 0.003 0.003 0.003 0.003 0.004 0.002	ETHYL XIME 29-7 Used 0.00 6.76 106.94 28.39 58.92 0.12 0.00 1.04	8EN. 71- %	ZENE 13-2 Used	METHYL KE 10: % 0.037	N-PROPL TONE 7-87-9 Used 1860.38	METHYL KETON 108 %	SOBUTYL E (MIBK) -10-1 Used 113.91	ACET 67-6 %	0NE 4-1 Used 46327.50
Product Name 708098 Barrier III Metal Primer Gray 708099 Barrier III Metal Primer Black 708099 Barrier III Metal Primer Black 708001 AAOD Winthe Base 758001 AAOD Winthe Base 758004 AAOD Andon 758004 AAOD Stefy Red 758084 AAOD Safety Red 758084 AAOD Safety Red 758084 AAOD Safety Blue 758084 AAOD Safety Pallow 798273 Actore 798273 Actore	XYL 1330 % 0.364 0.360 0.369 0.202 0.182 0.211 0.224 0.228 0.231 0.900	ENE -20-7 Emissions 0.00 1246.85 	VM&P N 8032 % 0.22 0.04 0.05 0.05 0.05 0.06 0.083 0.12 0.102	APHTHA 2-32-4 Used 11080.63 287.39 4.20 501.49 1099.78 3.000 53.04	TRIETH' % 0.003	/LAMINE 44-8 Used 10.14	TOL 108 % 0.011 0.013 0.015 0.016 0.014 0.012 0.012 0.005	UENE +88-3 Used 75.27 1.09 141.93 314.22 0.55 0.00 6.24 0.00	MINERAI 6474 % 0.001 0.0015 0.041 0.055 0.048 0.052	SPIRITS 1-65-7 Use d 0.00 3.38 75.36 280.54 4.62 454.18 1021.23	ISOBUTYI 78 % 0.06 0.06 0.054 0.05 0.05	ALCOHOL 83-1 Used 520.41 1197.98 2.13 0.00 27.04	GLYCO MONOBU 111 %	L ETHER 176-2 Used 109.48	ETHYL 1 100 % 0.073 0.073 0.036 0.036 0.036 0.038 0.04 0.040 0.040 0.041 0.19	3ENZENE 41-4 Used 0.00 2.50.00 2.50.80 2.46.33 4.9.6 3.40.63 7.46.28 1.58 0.00 2.1.32 0.00	ALIPH PETRC DISTIL 64742 % 	HATIC LEUM LATES 289-8 Used 9.41 1125.98 2592.35 4.66 0.00	NAPT HYDROT HEA 64742 % 0.011 0.006 0.006 0.006 0.006 0.006	HA, REATED VY 48-9 Used 75.27 56.77 157.11 0.00 3.12	METHYL KETO 962- % 0.002 0.002 0.002 0.002 0.003 0.003 0.003 0.003 0.003 0.004 0.002	ETHYL XIME 29-7 Used 0.00 0.00 6.76 106.94 28.39 58.92 0.12 0.00 1.04	BEN: 71-/ %	ZENE 13-2 USed	METHYL KE 107 % 0.037	N-PROPL TONE 7-87-9 Used 1860.38	METHYL KETON 108 0.0022	SOBUTYL E (MIBK) -10-1 Used 	ACET 67-6 %	ONE 4-1 Used 4-1 4-1 46327.50
Product Name 708088 Barrier III Metal Primer Gray 708080 Tearrier III Metal Primer Black 708092 ABarrier III Metal Primer Black 738012 AADD Mittone 758003 AADD Diegtone Base 3 758004 AADD Safety Reld 758084 AADD Safety Reld 758084 AADD Safety Reld 758084 AADD Safety Yellow 789273 Acotone 798267 Xylol	XYL 1330 % 0.364 0.350 0.369 0.202 0.182 0.199 0.211 0.224 0.228 0.231 0.900 0.501 0.900 0.501 0.900 0.501 0.900 0.500 0.501 0.500 0.501 0.	ENE D-20-7 Emissions 0.00 1246.85 1382.19 15.29 1882.94 4143.83 8.85 0.00 120.12 	VM&P N 8032 % 0.22 0.04 0.05 0.06 0.083 0.12 0.102	APHTHA 2-32-4 Used 11080.63 287.39 4.20 501.49 1099.78 3.28 0.00 53.04 13.030	TRIETH' 121 % 0.003	/LAMINE 44-8 Used 10.14	TOL 108 % 0.011 0.013 0.015 0.016 0.014 0.012 0.012 0.012	UENE +88-3 Used 75.27 1.09 141.93 314.22 0.55 0.00 6.24 0.00 539	MINERAI 6474 % 0.001 0.0015 0.041 0.055 0.048 0.052	SPIRITS 1-65-7 Use d 0.00 3.38 75.36 280.54 4.62 4.62 4.62 4.62 1021.23 1021.23 1,839	ISOBUTY(78 % 0.06 0.06 0.054 0.05 0.05	ALCOHOL 83-1 Used 520.41 1197.98 2.13 0.00 27.04 1,748	GLYCO MONOBU 1111 % 0.016	L ETHER TYL ETHER -76-2 Used 109.48	ETHYL 8 100 % 0.073 0.076 0.036 0.036 0.036 0.038 0.040 0.040 0.041 0.19	SENZENE 41-4 Used 0.00 256.80 246.33 4.96 340.63 746.28 1.58 0.00 21.32 0.00 1.618	ALIPH PETRC DISTIL 64742 % 0.112 0.119 0.112 0.118 0.117 0.111	HATIC LEUM LATES 2-89-8 Used 9.41 1125.98 2592.25 4.66 0.00 3.732	NAP1 HYDROT HEA 64742 % 0.001 0.006 0.006 0.006 0.006 0.006	HA, REATED VY 48-9 Used 75.27 56.77 157.11 0.00 3.12 202	METHYL KETO 962- % 0.002 0.002 0.002 0.002 0.002 0.003 0.003 0.003 0.003 0.004 0.002	ETHYL XIME 29-7 Used 0.00 0.00 6.76 106.94 28.39 58.92 0.12 0.00 1.04 2.000 1.04	8EN2 71- %	2ENE 13-2 Used 0.00 0 0	METHYL KE 107 % 0.037	N-PROPL TONE 7-87-9 Used 1860.38	METHYL KETON 108 %	SOBUTYL E (MIBK) -10-1 Used 113.91 	ACET 67-6 %	ONE 4-1 Used 46327.50 46.328
Product Name 708098 Barrier III Metal Primer Gray 708098 Barrier III Metal Primer Grav 708098 Barrier III Metal Primer Black 73823 Low HAP Metal Primer II 738201 AAOD White Base 758001 AAOD White Base 758003 AAOD Degitone Base 3 758004 AAOD Calery Tellow 758082 AAOD Safety Red 758082 AAOD Safety Red 758084 AAOD Safety R	XYL 1330 % 0.364 0.350 0.369 0.202 0.182 0.211 0.224 0.224 0.228 0.231 0.201 0.201 0.900 0.900 DISSING (bs/yr) = PTE (TPY) =	ENE >20-7 Emissions 0.00 0.00 1246.85 1382.19 15.29 1882.93 4143.85 0.00 120.12 120.12 0.00 0.00 18.80 18.5	VM&P N 8033 % 0.22 0.04 0.05 0.05 0.05 0.06 0.083 0.12 0.102	APHTHA 2-32-4 Used 11080.63 287.39 4.20 501.49 1099.73 3.28 0.00 53.04 53.04 13.030 27.4	TRIETH' 121 %	/LAMINE 44-8 Used 10.14	TOL 108 % 0.011 0.013 0.015 0.016 0.014 0.012 0.012	UENE +88-3 Used 75.27 1.09 141.93 314.22 0.55 0.00 6.24 0.00 6.24 0.00 0.239 1.13	MINERAI 6474 % 0.001 0.0015 0.041 0.055 0.048 0.052	SPIRITS 145-7 Used 0.00 3.38 75.36 280.54 4.62 4.62 4.54.18 1021.23 1,839 3.86 	ISOBUTY(78 % 0.06 0.05 0.05 0.05	ALCOHOL 83-1 Used 520.41 1197.98 2.13 0.00 27.04 1,748 3.67	GLYCO MONOBUT 111 %	L ETHER TYL ETHER -76-2 Use d 109.48 	ETHYL I 100 % 0.073 0.076 0.036 0.059 0.036 0.038 0.04 0.040 0.041 0.19	SENZENE 41-4 Used 0.00 256.80 246.33 746.28 1.58 0.00 21.32 0.00 1.618 3.40	ALIP+ PETRC DISTIL 64742 % 0.112 0.119 0.132 0.118 0.117 0.111	HATIC LEUM LATES 2-89-8 Used 9-41 1125.98 2592.35 4.66 0.00 	NAP1 HYDROTI HEA 64742 % 0.011 0.006 0.006 0.006 0.006	HA, REATED VY 48-9 Used 75.27 56.77 157.11 0.00 3.12 292 0.61	METHYL KETO 962- % 0.002 0.002 0.002 0.002 0.003 0.003 0.003 0.004 0.002	ETHYL XIME 29-7 Used 0.00 0.00 6.76 106.94 28.39 58.92 0.12 0.00 1.00 1.00 1.00 202 0.42	8EN2 71-4 %	2ENE 13-2 Used 0.00 0 0.00 0.00 0 0.00	METHYL KE 10: % 0.037	N-PROPL TONE 7-87-9 Used 1860.38 1860.38	METHYL KETON 108 %	SOBUTYL E (MIBK) -10-1 Used 	ACET 67-6 %	0NE 4-1 Used 46327.50 46,328 97,3
Product Name 708008 Barrier III Metal Primer Gray 708001 Barrier III Metal Primer White 708003 Parrier III Metal Primer Black 738021 AAD Metal Primer II 788001 AAD Metal Primer II 788001 AAD Desptone Base 3 788004 AADD Desptone Base 3 788004 AADD Safety Red 789028 AADD Safety Red 789028 AADD Safety Red 789028 AADD Safety Vellow 789273 Acetone 799267 Xylol 2018 Total Ennisés Max Adjused	XYL 1330 % 0.364 0.350 0.369 0.202 0.482 0.211 0.224 0.228 0.211 0.224 0.223 0.231 0.309 PTE (TPY) =	ENE 2007 Emissions 0.00 1246.85 1382.19 15.29 1882.94 4143.83 8.85 0.00 120.12 0.00 8.800 18.55 10.1	VM&P N 8032 % 0.22 0.04 0.05 0.06 0.065 0.06 0.083 0.12 0.102	IAPHTHA 2324 Used 11080.63 287.39 4.20 501.49 1099.78 3.28 0.00 53.04 13.030 27.4 15.0	TRIETH' 121 % 0.003	10.14 10.14 10.14 10.02 0.01	TOL 108 % 0.011 0.013 0.015 0.016 0.014 0.012 0.012 0.005	UENE -88-3 Used -75.27 1.09 141.93 314.22 0.55 0.00 6.24 -24 0.00 539 1.13 0.62	MINERAI 6474 % 0.001 0.0015 0.041 0.055 0.048 0.052	SPIRITS 1-65-7 Used 0.00 	1SOBUTY(1 78 % 0.06 0.054 0.05 0.05 0.05	ALCOHOL 83-1 Used 520.41 1197.98 2.13 0.00 27.04 1,748 3.67 2.01	GLYCO MONOBU 111 %	LETHER TYL ETHER -76-2 Use d 109.48 	ETHYL I 100 % 0.073 0.076 0.036 0.059 0.036 0.038 0.04 0.040 0.040 0.041	SENZENE 41-4 Used 0.00 0.00 256.80 246.33 4.96 340.63 746.28 1.58 0.00 21.32 	ALIP+ PETRC DISTIL 64742 % 0.112 0.112 0.112 0.132 0.118 0.117 0.111	HATIC LEUM LATES 2-89-8 Used 9-41 1125-98 2592-35 4.66 0.00 	NAP1 HYDROT HEA 64742 % 0.011 0.006 0.006 0.006 0.006 0.006	HA, REATED VY 48-9 Used 75.27 56.77 157.11 0.00 3.12 292 0.61 0.34	METHYL KETO 962- % 0.002 0.002 0.002 0.002 0.003 0.003 0.003 0.003 0.004 0.002	2012 2012 2012 2013 2014 2015 2014 2015 2015 2015 2015 2015 2015 2015 2015	8EN2 71-4 %	2ENE 13-2 Use d 0.00 0 0.00 0.00 0.00	METHYL KE 10; % 0.037	N-PROPL TONE 787-9 Used 1860.38 1860.38 1860.38 1,860 3.91 2.14	METHYL KETON 108 %	SOBUTYL E (MIBK) -10-1 Used 	ACET 67-6 %	ONE 4-1 Used 46327.50 46,328 97.3 53.2
Product Name 70808 Barrier III Metal Primer Gray 708001 Barrier III Metal Primer Uhite 708002 Harrier III Metal Primer II 708001 AACD Metal Primer II 708001 AACD Metal Primer II 708001 AACD Metal Primer II 708003 AACD Degrione Base 3 708004 AACD Clear 708004 AACD Safety Relu 708004 AACD Safety Relu 708004 AACD Safety Relu 708004 AACD Safety Vellow 708027 Aectore 709267 Xylol 2018 Total Emissic Max Adjusted	XYL 133 % 0.364 0.360 0.369 0.369 0.369 0.202 0.182 0.189 0.211 0.224 0.221 0.221 0.221 0.221 0.231 0.900 0ns (lbs/yr) = PTE (IPY) =	ENE >20-7 Emissions 0.00 1246.85 1382.19 1382.94 4143.83 8.85 0.00 120.12 .000 8.800 18.5 10.1	VM&P N 8033 % 0.22 0.04 0.05 0.06 0.06 0.083 0.12 0.102	IAPHTHA 2-32-4 Used 11080.63 287.39 4.20 501.49 1099.78 3.28 0.00 53.04 13,030 27.4 15.0	TRIETH" 121 %	/LAMINE 44-8 Used 10.14 10.14 10.02 0.01	TOL 108 % 0.011 0.013 0.015 0.016 0.014 0.012 0.012 0.005	UENE +88-3 Used -75.27 1.09 141.93 314.22 0.55 0.00 6.24 - - - - - - - - - - - - -	MINERAI 6474 % 0.001 0.0015 0.041 0.055 0.048 0.055	SPIRITS 145-7 Used 0.00 3.38 75.36 280.54 4.62 454.18 1021.23 1,839 3.86 2.11	1SOBUTY1 78 % 0.06 0.06 0.054 0.05 0.05	ALCOHOL 83-1 Used 520.41 1197.98 2.13 0.00 27.04 1,748 3.67 2.01	GLYCO MONOBU' 111 %	LETHER TYL ETHER -76-2 Used 109.48 	ETHYL I 100 % 0.073 0.073 0.076 0.036 0.036 0.038 0.04 0.041 0.041 0.19	SENZENE 41-4 Used 0.00 0.00 256.80 246.33 44.96 340.63 746.28 1.58 0.00 21.32 0.00 1.618 3.40 1.86	ALIP+ PETRC DISTIL 64742 % 0.112 0.112 0.112 0.113 0.113 0.111	HATIC LEUM LATES 2-89-8 Used 9-41 1125.98 2592.35 4.66 0.00 3.732 7.84 4.29	NAP1 HYDROT HEA 64742 % 0.011 0.006 0.006 0.006 0.006 0.006	HA, REATED VY 48-9 Used 75.27 56.77 157.11 0.00 3.12 292 0.61 0.34	METHYL KETO 962- % 0.002 0.0021 0.0021 0.003 0.003 0.003 0.003	2012 28.39 28.39 20.00 28.39 58.92 0.12 0.00 1.04 202 0.42 0.23	BEN2 71-4 %	25NE Used 0.00 0.00 0.00 0.00	METHYL KE 107 %	N-PROPL TONE -27-9 Used 1860.38 	METHYL KETON 108 %	SOBUTYL E (MIBK) -10-1 Used 	ACET 67-6 % 1.00	0NE 4-1 Used 46327.50 46.328 97.3 53.2
Product Name 708098 Barner II Metal Primer Gray 708098 Barner II Metal Primer White 708098 Barner III Metal Primer Black 738091 AAOD Wetal Primer II 758001 AAOD Wetal Primer II 758002 AAOD Metane 758002 AAOD Metane 758002 AAOD Safety Red 758082 AAOD Safety Red 758084 AAOD Safety Red 758084 AAOD Safety Red 758084 AAOD Safety Red 798273 Acetone 798273 Acetone 798274 798273 Acetone 798274 798274 798274 798274 798274 798274 798275 798275 798275 798777 798777777777777777777777777777	XYL 1330 % 0.364 0.360 0.360 0.360 0.360 0.360 0.199 0.211 0.224 0.228 0.231 0.223 0.231 0.231 0.231 0.231 PTE (TPY) = PTE (TPY) =	ENE 20-7 Emissions 0.00 1246.85 1382.19 15.29 1882.94 4143.83 8.85 0.00 120.12 0.00 8.800 18.5 10.1	VM&P N 8032 % 0.02 0.04 0.05 0.06 0.083 0.12 0.102	APHTHA 2324 Used 11080.63 287.39 4.20 501.49 1099.78 3.28 0.00 53.04 13.030 27.4 15.0	TRIETH' 121 %	/LAMINE 44-8 Used 10.14 10.14 10.02 0.02 0.01	TOL 108 % 0.011 0.013 0.015 0.016 0.014 0.012 0.012 0.012 0.005	UENE 	MINERAI 6474 % 0.001 0.0015 0.041 0.055 0.041 0.055 0.041	SPIRITS 145-7 Used 0.00 3.38 75.36 280.54 4.62 4.62 4.54.18 1021.23 1,839 3.86 2.11	ISOBUTYI 78 % 0.06 0.05 0.05 0.05 0.05	ALCOHOL 83-1 Used 520.41 1197.98 2.13 0.00 27.04 1,748 3.67 2.01	GLYCO MONOBU 111 %	LETHER TVL ETHER -76-2 Used 109.48 109.48 	ETHYL I 100 % 0.073 0.073 0.076 0.036 0.036 0.038 0.040 0.040 0.041 0.19	SENZENE 41-4 Used 0.00 256.80 246.33 4.96 340.63 746.28 1.58 0.00 0.1618 3.40 1.86	ALIPH PETRC DISTIL 64742 % 0.112 0.119 0.112 0.118 0.117 0.111	HATIC LEUM LATES 2-89-8 Used 9.41 1125.98 2592.35 4.66 0.00 3.732 7.84 4.29	NAP1 HYDROTI HEA 64742 % 0.011 0.006 0.006 0.006 0.006 0.006	HA, REATED VY 48-9 Used 75.27 56.77 157.11 157.11 157.11 292 0.61 0.34	METHYL KETO 962- 962- 962- 962- 962- 0.002 0.003 0.003 0.003 0.003 0.003 0.003	ETHYL XIME 29-7 Used 0.00 0.00 0.76 106.94 28.39 58.92 0.12 0.00 1.04 202 0.42 0.23	BEN3 71-1 %	2ENE Used Used 0.00 0 0.00 0.00 0.00	METHYL KE 10: % 0.037	N-PROPL TONE 	METHYL KETON 0.0022	SOBUTYL E (MIBK) -10-1 Used 	ACET 67-6 %	0NE 4-1 Used 46327.50 46,328 97.3 53.2
Product Name 708088 Barrier III Metal Primer Gray 708088 Barrier III Metal Primer Gray 708008 Darrier III Metal Primer Diack 708003 AACD Metal Primer II 758001 AACD Deptone Base 3 758004 AACD Deptone Base 3 758004 AACD Deptone Base 3 758004 AACD Safety Red 758084 AACD Safety Red 758084 AACD Safety Rel 758084 AACD Safety	XYL 133 % 0.364 0.369 0.202 0.182 0.199 0.211 0.224 0.231 0.231 0.231 0.900 ors (bSyV) = PTE (TPY) = PTE (TPY) =	ENE 2-0-7 Emissions 0.00 1246.85 1382.19 15.29 1882.94 4143.83 8.85 0.00 120.12 10	VM&P N 8032 % 0.22 0.04 0.05 0.06 0.08 0.06 0.083 0.12 0.102	APHTHA 2324 Used 11080.63 287.39 4.20 501.49 1099.78 3.28 0.00 53.04 13.030 27.4 15.0 sports.	TRIETH' 121 0.003	/LAMINE 44-8 Used 10.14 10.14	TOL 108 % 0.011 0.013 0.015 0.016 0.014 0.012 0.012 0.012	UENE 	MINERAJ 6474 % 0.001 0.0015 0.041 0.052 0.048 0.052	SPIRITS 145-7 Usod 0.00 3.38 75.36 280.54 4.62 4.62 4.54.18 1021.23 1,839 3.86 2.11	ISOBUTYI 78 % 0.06 0.06 0.054 0.054 0.054	ALCOHOL 83-1 Used 520.41 1197.98 2.13 0.00 27.04 1,748 3.67 2.01	GLYCO MONOBU' 111 %	LETHER TVL ETHER 	ETHYL 1 100 % 0.073 0.073 0.076 0.036 0.036 0.038 0.040 0.040 0.041 0.041	3ENZENE 41-4 Used 0.00 0.00 256.80 246.83 746.28 1.58 0.00 21.32 0.00 1.618 3.40 1.86	ALIP} PETRC DISTIL 64742 % 0.112 0.119 0.132 0.119 0.132 0.117 0.111	HATIC LEUM LATES 289-8 Used 9.41 1125.98 2592.35 4.66 0.00 3.732 7.84 4.29	NAP1 HYDROTT HEA 64742 % 0.001 0.006 0.006 0.006 0.006	HA, REATED VY 48-9 Used 75.27 56.77 157.11 0.00 3.12 292 0.61 0.34	METHYL KETO 962- % 0.002 0.0019 0.002 0.002 0.003 0.003 0.003 0.004 0.002	ETHYL XIME 29-7 Used 0.00 0.00 6.76 6.76 106.94 28.39 58.92 0.12 0.00 1.04 202 0.00 1.04 202 0.42 0.23	8EN2 71-4 %	2ENE USed 0.00 0 0.00 0.00	METHYL KE 10: %	N-PROPL TONE -87-9 Used 	METHYL KETON 108 %	SOBUTYL E (MIBK) -10-1 Used 	ACET 67-6 %	0NE 4-1 Used 46327.50 46,328 97.3 53.2
Product Name 708098 Barrier III Metal Primer Gray 708098 Barrier III Metal Primer Black 708098 Barrier III Metal Primer Black 708098 AADD Metal Primer II 758001 AADD White Base 758002 AADD Metal Primer II 758001 AADD White Base 758004 AADD Calerton 758082 AADD Safety Pado 758083 AADD Safety Pado 758083 AADD Safety Pado 758084 AADD Safety Pado 758084 AADD Safety Pado 758084 AADD Safety Pado 758027 Xylol 2018 Total Emissis Calls is the highest VOC emitting calend: Solids content is assumed to be [1 - %VV	XYL 133 % 0.364 0.360 0.360 0.369 0.202 0.182 0.211 0.224 0.224 0.224 0.221 0.211 0.202 0.309 0.211 0.224 0.221 0.221 0.309 0.211 0.224 0.228 0.309 0.211 0.224 0.228 0.309 0.211 0.224 0.228 0.239 0.212 0.228 0.239 0.212 0.228 0.239 0.212 0.228 0.239 0.212 0.228 0.239 0.212 0.228 0.228 0.239 0.212 0.228 0.239 0.228 0.239 0.212 0.228 0.239 0.212 0.228 0.239 0.212 0.228 0.239 0.212 0.228 0.239 0.212 0.228 0.239 0.211 0.228 0.239 0.239 0.239 0.231 0.228 0.239 0.239 0.231 0.239 0.239 0.231 0.238 0.239 0.231 0.238 0.239 0.239 0.239 0.239 0.239 0.239 0.239 0.231 0.238 0.239 0.231 0.239 0.231 0.239 0.231 0.239 0.231 0.239 0.231 0.239 0.290 0.2	ENE 20-7 Emissions 0.00 1246.85 15.29 1882.94 4143.83 8.85 0.00 120.12 0.00 8.800 18.5 10.1 10.1	VM&P N 8032 % 0.22 0.04 0.05 0.06 0.06 0.083 0.12 0.102 0.102	IAPHTHA 2324 Used 11080.63 287.39 4.20 501.49 1099.78 3.28 0.00 53.04 13.030 27.4 15.0 Interference	TRIETH' 121 % 0.003	/LAMINE 44-8 Used 10.14 10.14 10 0.02 0.01	TOL 108 % 0.011 0.013 0.016 0.014 0.012 0.012 0.005	UENE 	MINERAI 6474 % 0.001 0.0015 0.041 0.055 0.048 0.052	145-7 Used 0.00 3.38 75.36 280.54 4.62 4.62 1.639 3.86 2.11	ISOBUTYI 78 % 0.06 0.054 0.05 0.05 0.05	ALCOHOL 83-1 Used 520.411 1197.98 2.13 0.00 27.04 1,748 3.67 2.01	GLYCO MONOBU' 111 % 0.016	LETHER 76-2 Used 109-48 109-48 109-48 109-0.23 0.13	ETHYL 1 100 9% 0.073 0.076 0.036 0.036 0.038 0.04 0.040 0.041 0.041	SENZENE 41-4 Used 0.00 256.80 246.33 4.96 340.63 746.28 1.58 0.00 21.32 0.00 21.32 0.00 21.32 1.618 3.40 1.86	ALIPP PETRC DISTIL 64742 % 0.112 0.112 0.119 0.112 0.118 0.117 0.111	HATIC LEUM LATES 289-8 Used 9.41 1125.88 2592.35 4.66 0.00 3.732 7.84 4.29	NAP1 HYDROTI HEA 64742 % 0.001 0.006 0.006 0.006 0.006	HA, REATED VY -48-9 Used 75.27 56.77 157.11 0.00 3.12 292 0.61 0.34	METHYI KETO 962- % 0.002 0.002 0.002 0.002 0.003 0.003 0.003 0.003 0.004 0.002	ETHYL XIME 29-7 Used 0.00 0.00 6.76 106.94 28.39 0.12 0.00 1.04 202 0.42 0.23	8ENJ 71-4 %	2ENE 13-2 Used 0.00 0.00 0.00 0.00 0.00	METHYL KE 0.037	N-PROPL TONE 	METHYL KETON 108 % 0.0022	SOBUTYL E (MIBK) -10-1 Used 113.91 	ACET 67-5 %	ONE 4-1 Used 46327.50 46,328 97.3 53.2
Product Name 708088 Barrier III Metal Primer Gray 708080 Barrier III Metal Primer Gray 708080 Barrier III Metal Primer Black 708092 ADD Mittores 758003 AADD Diegtone Base 3 758003 AADD Diegtone Base 3 758004 AADD Safety Rel 758084 AADD Safety Rel 789273 Acetone 799267 Xylol 2018 Total Emissic Max Acjusted Note: 2018 is assumed to be [1 - %V/ Transfer efficiency based on use of high e	XYL 133 % 0.364 0.359 0.369 0.202 0.182 0.211 0.224 0.221 0.223 0.231 0.900 0.500 0.9000 0.9000 0.9000 0.9000 0.9000 0.9000 0.9000 0.9000 0.9000 0.9000 0.9000 0.9000 0.9000 0.9000 0.9000 0.90000 0.9000 0.9000 0.90000 0.90000 0.90000 0.9000	ENE -20-7 Enissions 0.00 0.00 1246.85 1382.19 15.29 1882.94 4143.85 0.00 120.12 0.00 120.12 0.00 18.55 10.1 10.1 10.5 10.1 10.5 10.1 10.5 1	VM&P N 8032 % 0.02 0.05 0.06 0.063 0.063 0.12 0.102 0.102 0.102	APHTHA 2324 Used 11000.63 287.39 4.20 501.49 1099.73 3.28 0.00 53.04 13.030 27.4 15.0	TRIETH' 121 %	10.14	TOL 108 % 0.011 0.013 0.015 0.016 0.014 0.012 0.012 0.005	UENE 	MINERAJ 8474 % 0.001 0.0015 0.041 0.055 0.048 0.052	SPIRITS 145-7 Used 0.00 3.38 75.36 280.54 4.62 4.54.18 1021-23 1021-23 1,839 3.86 2.11	ISOBUTYI 78 % 0.06 0.06 0.05 0.05 0.05	ALCOHOL 83-1 Used 520.41 1197.98 2.13 0.00 27.04 1,748 3.67 2.01	GLYCO MONOBU 111 %	LETHER 109.48 109.023 0.13	ETHYL 1 100 76 0.073 0.076 0.036 0.036 0.038 0.038 0.038 0.04 0.041	SENZENE 41-4 Used 0.00 256.80 246.33 4.96 340.63 746.28 1.58 0.00 21.32 0.00 1.618 3.40 1.86	ALIPP PETRC DISTIL 64742 % 0.112 0.112 0.112 0.1132 0.118 0.117 0.111	HATIC LATES 2-89-8 Used 9-41 1125.98 2-592-35 4.66 0.00 2-592-35 4.66 0.00 3.732 7.84 4.29	NAP1 HYDROTT HEA 64742 % 0.011 0.006 0.006 0.006 0.006 0.006	HA, REATED VY 48-9 Used 75.27 56.77 157.11 0.00 3.12 292 0.61 0.34	METHYI KETO 962- % 0.002 0.0021 0.0021 0.003 0.003 0.003 0.003 0.003	28-37 Used 0.00 0.00 0.76 6.76 106.94 28.39 58.92 0.12 0.00 1.04 202 0.42 0.42 0.23	8EN2 71-4 %	2ENE Used 0.00 0.00 0.00	METHYL KE 10: %	N-PROPL TONE 	METHYL KETON 108 0.0022	SOBUTYL E (MIBK) 10-1 Used 113.91 113.91 113.91 114 0.24 0.13	ACET 67-6 %	ONE 4-1 Used 46327.50 46.328 97.3 53.2
Product Name 708008 Barrier III Metal Primer Gray 708008 Barrier III Metal Primer Biack 708000 Barrier III Metal Primer Biack 708003 AADD Metal Primer II 758001 AADD Whatel Primer II 758004 AADD Caler 758004 AADD Safety Palow 758004 AADD Safety Palow 758004 AADD Safety Palow 758004 AADD Caler 758004 AADD Safety Palow 758004 AADD Safety Palow 758004 AADD Caler 758004 AADD Safety Palow 758004 AADD Caler 758	XYL 1330 % 0.384 0.389 0.202 0.182 0.221 0.224 0.224 0.228 0.231 0.202 0.224 0.228 0.231 0.9000 0.90000 0.90000 0.90000 0.9000 0.9000 0.90000 0.90000 0.9000	ENE 20-7 Emissions 0.00 1246.85 1382.19 15.29 1382.94 4143.83 84.85 0.00 120.12 0.00 18.5 10.1 10.1 ast 10 years sfor spray gur	VM&P N 8032 % 0.02 0.04 0.05 0.06 0.06 0.083 0.12 0.102 0.102	APHTHA 2-32-4 Used Used 11080.63 287.39 4.20 501.49 1099.78 3.28 0.00 53.04 13.030 27.4 15.0 sports.	TRIETH' 121 %	10.14 10.14 10.02 0.01	TOL 108 % 0.011 0.013 0.015 0.016 0.014 0.012 0.012 0.005	UENE +88-3 Used 75.27 1.09 141.93 314.22 0.55 0.00 6.24 - 0.00 539 1.13 0.62	MINERAL 6474 96 0.001 0.0015 0.041 0.055 0.048 0.052	SPIRITS 145-7 Used 0.00 3.38 75.36 280.64 4.62 454.18 1021.23 1,839 3.86 2.11	1SOBUTY 78 % 0.06 0.05 0.05 0.05	ALCOHOL 83-1 Used 520.41 1197.98 2.13 0.00 27.04 1.748 3.67 2.01	GLYCO MONOBU 111 %	LETHER 76-2 Used 109.48 109 0.23 0.13	ETHYL 1 100 7% 0.073 0.076 0.036 0.036 0.038 0.04 0.040 0.041 0.041	SENZENE 41-4 Used 0.00 0.00 256.80 246.33 4.96 340.63 746.28 1.58 0.00 1,58 0.00 1,618 3.40 1.86	ALIPP PETRE 01STIL 64742 % 0.0112 0.119 0.112 0.119 0.112 0.119 0.111	HATIC LEUM LATES 289-8 Used 9.41 1125.08 2592.35 2592.35 2592.35 2592.35 2592.35 2592.35 2592.35 2592.45 2592.55 2592.55 2592.55 2592.55 2592.55 2592.55	NAP1 HYDROTT HEA 64742 % 0.011 0.006 0.006 0.006 0.006 0.006	HA, REATED VY 48-9 Used 56.77 157.11 0.00 3.12 292 0.61 0.34	METHYI KETO 962- % 0.002 0.002 0.002 0.002 0.003 0.003 0.003 0.003 0.004 0.002	ETHYL XIME 29-7 Used 0.00 0.00 6.76 106.94 28.39 0.12 0.00 1.2 0.00 1.2 0.00 1.2 0.00 1.2 0.00 1.2 0.00 0.42 0.23	0.00	2ENE 13-2 Used 0.00 0 0.00 0.00 0.00	METHYL KE 10: 	N-PROPL TONE -87-9 Used 1860.38 	METHYL KETON 108 % 0.0022	SOBUTYL E (MIBK) -10-1 Used 113.91 	ACET 67-6 %	A-1 Used 46327.50 46,328 97.3 53.2

Action is not considered a VOC under the definition of VOC in Title 12. Adjusted PTE represents the potential emissions assuming a VOC PSEL of 39 TPY.

Bulk Handling Systems Permit Number: 200575 Expiration Date: August 9, 2028

Bulk Handling Syste	ms - 200575												
Emission Detail She	ets												
Welding Operations	5												
2022 Actual GMAV	V Welding Wir	e/Rod Usage =	16.326	1000 lbs									
	Sca	ale Up Factor =	4.2										
Criteria Pollutants					2022 Welding \	Nire/Rod Usa	ige By Type						
		Potential	Potential						Emissi	on Factors (Ib,	/10 ³ lb)		
		Emissions	Emissions		Process	Туре	Fume	Chromium	Cromium (VI)	Cobalt	Manganese	Nickel	Lead
Pollutant	Cas No.	(lb/hr)	(TPY)		GMAW/MIG	E70S	5.2	0.01	ND	0.01	3.18	0.01	ND
Total Particulate		2.0E-05	1.8E-01										
PM ₁₀		2.0E-05	1.8E-01										
PM _{2.5}		2.0E-05	1.8E-01										
HAP/TAC Emissions													
		Potential	Potential										
		Emissions	Emissions										
Pollutant	Cas No.	(lb/hr)	(TPY)										
Chromium (Total)	7440-47-3	3.9E-08	3.4E-04										
Chromium (VI)	18540-29-9	3.9E-08	3.4E-04										
Cobalt	7440-48-4	3.9E-08	3.4E-04										
Manganese	7439-96-5	1.2E-05	1.1E-01										
Nickel	7440-02-0	3.9E-08	3.4E-04										
Lead	7439-92-1	0.0E+00	0.0E+00										
Notes:													
BHS purchased 18,14	10 pounds of w	elding wire in 2	2022, 90% of wl	hich is assume	ed to have been f	for the Daneb	o location.						
Chromium (VI) is set	t equivalent to	Total Chomium	n conservative	ly.									
ND (No Detect) is re	presented as z	ero.											
<' than the detection	n limit values re	epresented as t	the detection l	imit.									
Lead is assumed to b	pe from lead co	mpounds.											
The NOx and CO em	issions from w	elding are assu	med to be neg	ligible.									
Hourly emissions ar	e based on ann	ual usage divid	ed by 8760.										