

Missouri Department of

dnr.mo.gov

NATURAL RESOURCES

Michael L. Parson, Governor

Carol S. Comer, Director

OCT 22 2019

Mr. Joseph Archibald
Maintenance/IT/EHS Manager
Architectural Components Group, Inc.
900 George Street
Marshfield, MO 65706

RE: New Source Review Permit - Project Number: 2019-07-043

Dear Mr. Archibald:

Enclosed with this letter is your permit to construct. Please study it carefully and refer to Appendix A for a list of common abbreviations and acronyms used in the permit. Also, note the special conditions on the accompanying pages. The document entitled, "Review of Application for Authority to Construct," is part of the permit and should be kept with this permit in your files. Operation in accordance with these conditions and your new source review permit application is necessary for continued compliance. The reverse side of your permit certificate has important information concerning standard permit conditions and your rights and obligations under the laws and regulations of the State of Missouri.

This permit may include requirements with which you may not be familiar. If you would like the department to meet with you to discuss how to understand and satisfy the requirements contained in this permit, an appointment referred to as a Compliance Assistance Visit (CAV) can be set up with you. To request a CAV, please contact your local regional office or fill out an online request. The regional office contact information can be found at the following website: <http://dnr.mo.gov/regions/>. The online CAV request can be found at <http://dnr.mo.gov/cav/compliance.htm>.

If you were adversely affected by this permit decision, you may be entitled to pursue an appeal before the administrative hearing commission pursuant to Sections 621.250 and 643.075.6 RSMo. To appeal, you must file a petition with the administrative hearing commission within thirty days after the date this decision was mailed or the date it was delivered, whichever date was earlier. If any such petition is sent by registered mail or certified mail, it will be deemed filed on the date it is mailed; if it is sent by any method other than registered mail or certified mail, it will be deemed filed on the date it is received by the administrative hearing commission, whose contact information is: Administrative Hearing Commission, United States Post Office Building, 131 West High Street, Third Floor, P.O. Box 1557, Jefferson City, Missouri 65102, phone: 573-751-2422, fax: 573-751-5018, website: www.oa.mo.gov/ahc.



Recycled paper

If you have any questions regarding this permit, please do not hesitate to contact Jonathan Halla, at the Department of Natural Resources' Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102 or at (573) 751-4817. Thank you for your attention to this matter.

Sincerely,

AIR POLLUTION CONTROL PROGRAM



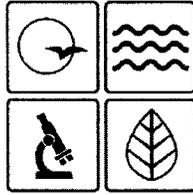
Susan Heckenkamp
New Source Review Unit Chief

SH:hja

Enclosures

c: Southwest Regional Office
PAMS File: 2019-07-043

Permit Number: **102019-009**



MISSOURI
DEPARTMENT OF
NATURAL RESOURCES

MISSOURI AIR CONSERVATION COMMISSION

PERMIT TO CONSTRUCT

Under the authority of RSMo 643 and the Federal Clean Air Act the applicant is authorized to construct the air contaminant source(s) described below, in accordance with the laws, rules and conditions as set forth herein.

Permit Number: **102019-009** Project Number: 2019-07-043
Installation Number: 225-0039

Parent Company: Armstrong World Industries

Parent Company Address: 2500 Columbia Avenue, Lancaster, PA 17603

Installation Name: Architectural Components Group, Inc.

Installation Address: 900 George Street, Marshfield, MO 65706

Location Information: Webster County, S9, T30N, R18W

Application for Authority to Construct was made for:
Installation of a new spray booth, Downdraft Booth (EP-19). This review was conducted in accordance with Section (5), Missouri State Rule 10 CSR 10-6.060, *Construction Permits Required*.

Standard Conditions (on reverse) are applicable to this permit.

Standard Conditions (on reverse) and Special Conditions are applicable to this permit.

Rendall B. Hale for

Director or Designee
Department of Natural Resources

OCT 22 2019

Effective Date

STANDARD CONDITIONS:

Permission to construct may be revoked if you fail to begin construction or modification within two years from the effective date of this permit. Permittee should notify the Enforcement and Compliance Section of the Air Pollution Control Program if construction or modification is not started within two years after the effective date of this permit, or if construction or modification is suspended for one year or more.

You will be in violation of 10 CSR 10-6.060 if you fail to adhere to the specifications and conditions listed in your application, this permit and the project review. In the event that there is a discrepancy between the permit application and this permit, the conditions of this permit shall take precedence. Specifically, all air contaminant control devices shall be operated and maintained as specified in the application, associated plans and specifications.

You must notify the Enforcement and Compliance Section of the Department's Air Pollution Control Program of the anticipated date of start up of this (these) air contaminant source(s). The information must be made available within 30 days of actual startup. Also, you must notify the Department's regional office responsible for the area within which you are located within 15 days after the actual start up of this (these) air contaminant source(s).

A copy of the permit application and this permit and permit review shall be kept at the installation address and shall be made available to Department's personnel upon request.

You may appeal this permit or any of the listed special conditions to the Administrative Hearing Commission (AHC), P.O. Box 1557, Jefferson City, MO 65102, as provided in RSMo 643.075.6 and 621.250.3. If you choose to appeal, you must file a petition with the AHC within 30 days after the date this decision was mailed or the date it was delivered, whichever date was earlier. If any such petition is sent by registered mail or certified mail, it will be deemed filed on the date it is mailed. If it is sent by any method other than registered mail or certified mail, it will be deemed filed on the date it is received by the AHC.

If you choose not to appeal, this certificate, the project review and your application and associated correspondence constitutes your permit to construct. The permit allows you to construct and operate your air contaminant source(s), but in no way relieves you of your obligation to comply with all applicable provisions of the Missouri Air Conservation Law, regulations of the Missouri Department of Natural Resources and other applicable federal, state and local laws and ordinances.

The Air Pollution Control Program invites your questions regarding this air pollution permit. Please contact the Construction Permit Unit using the contact information below.

Contact Information:
Missouri Department of Natural Resources
Air Pollution Control Program
P.O. Box 176
Jefferson City, MO 65102-0176
(573) 751-4817

The regional office information can be found at the following website:
<http://dnr.mo.gov/regions/>

SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

The special conditions listed in this permit were included based on the authority granted to the Missouri Air Pollution Control Program by the Missouri Air Conservation Law (specifically 643.075) and by the Missouri Rules listed in Title 10, Division 10 of the Code of State Regulations (specifically 10 CSR 10-6.060). For specific details regarding conditions, see 10 CSR 10-6.060 paragraph (3)(E). "Conditions required by permitting authority."

Architectural Components Group, Inc.
Webster County, S9, T30N, R18W

1. VOC and HAPs Emission Limitations
 - A. Architectural Components Group, Inc. shall emit less than 40.0 tons of VOCs in any consecutive 12-month period from Downdraft Booth (EP-19).
 - B. Architectural Components Group, Inc. shall emit less than the respective SMAL value for each individual HAP and 25.0 tons combined of HAPs in any consecutive 12-month period from Downdraft Booth (EP-19).
 - C. Attachment A, Attachment B, and Attachment C or equivalent forms, such as electronic forms, shall be used to demonstrate compliance with Special Conditions 1.A and 1.B.
2. Control Device Requirement – Filters
 - A. Architectural Components Group, Inc. shall control particulate emissions from Downdraft Booth (EP-19) using a high-efficiency filter capable of a minimum 99% control efficiency.
 - B. Architectural Components Group, Inc. shall maintain a copy on site of the filter manufacturer's specifications showing 99% control efficiency.
 - C. Replacement filters shall be kept on hand at all times. The filters shall be made of fibers appropriate for operating conditions expected to occur (i.e. temperature limits, acidic and alkali resistance, and abrasion resistance). Architectural Components Group, Inc. shall regenerate/replace the filters before breakthrough.
 - D. The filters shall be operated, maintained and replaced in accordance with the manufacturer's specifications.
 - E. Architectural Components Group, Inc. shall maintain a copy of the filter manufacturer's performance warranty on site.
 - F. Pressure gauges shall be installed within Downdraft Booth (EP-19) to confirm that the operating pressure drop across each filter is maintained within the design conditions specified by the manufacturer's performance warranty. The pressure drop shall be measured and recorded at least

SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

once every 24 hours. 24-hour periods when spray applied surface coating is non-operational shall be recorded.

3. Capture Device Requirement – EP-19
 - A. Architectural Components Group, Inc. shall use the paint booth to capture emissions from the spray coating activities.
 - B. Architectural Components Group, Inc. shall design and construct the paint booth according to the Occupational Safety and Health Administration (OSHA) requirements, 29 CFR 1910.94(c)(6) *Velocity and air flow requirements*.
 - C. Architectural Components Group, Inc. shall demonstrate that the paint booth was constructed according to Special Condition 3.C. by keeping a record of the following design parameters:
 - a) the minimum recommended face velocity
 - b) engineering drawings which demonstrate that the spray booth was designed to meet the minimum face velocity
 - D. Architectural Components Group, Inc. shall verify the proper operation of the paint booth by recording the actual face velocity or the actual volumetric airflow for each paint booth at least one time per calendar year (no less than nine calendar months and no more than 15 calendar months following the previous measurement).
4. Operational Requirement - Solvent Cloths
Architectural Components Group, Inc. shall keep the solvents and cleaning solutions in sealed containers whenever the materials are not in use.
Architectural Components Group, Inc. shall provide and maintain suitable, easily read, permanent markings on all solvents and cleaning solution containers used with this equipment.
5. Use of Alternative Coating in Paint Booth
 - A. Architectural Components Group, Inc. is allowed to use alternative coatings for the Downdraft Booth (EP-19) that are different from the coatings listed in the Application for Authority to Construct.
 - B. The limits established by Special Condition 1 shall include emissions from the use of any alternative coatings. Their emissions shall be accounted for in the recordkeeping associated with this limit.
 - C. Architectural Components Group, Inc. shall maintain a copy of the alternative coating's information and other documentation (such as SDS) used to estimate the emissions. Architectural Components Group, Inc.

SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

shall use the highest VOC concentrations listed on the coating's SDS to calculate and track emissions from the alternative coatings.

6. Record Keeping and Reporting Requirements

- A. Architectural Components Group, Inc. shall maintain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request. These records shall include SDS for all materials used.

- B. Architectural Components Group, Inc. shall report to the Air Pollution Control Program's Compliance/Enforcement Section, by mail at P.O. Box 176, Jefferson City, MO 65102 or by e-mail at AirComplianceReporting@dnr.mo.gov, no later than 10 days after the end of the month during which any record required by this permit shows an exceedance of a limitation imposed by this permit.

REVIEW OF APPLICATION FOR AUTHORITY TO CONSTRUCT AND OPERATE
SECTION (5) REVIEW

Project Number: 2019-07-043

Installation ID Number: 225-0039

Permit Number: **102019-009**

Installation Address:

Architectural Components Group, Inc.
900 George Street
Marshfield, MO 65706

Parent Company:

Armstrong World Industries
2500 Columbia Avenue
Lancaster, PA 17603

Webster County, S9, T30N, R18W

REVIEW SUMMARY

- Architectural Components Group, Inc. has applied for authority to install a new spray booth (EP-19).
- The application was deemed complete on August 1, 2019.
- HAP emissions are expected from the proposed equipment. HAPs of concern from this process are toluene, hexamethylene-di-isocyanate, ethylbenzene, xylene, methyl isobutyl ketone, cumene, and methyl methacrylate. Other HAPs may be emitted from future alternative coatings.
- None of the New Source Performance Standards (NSPS) apply to the installation.
- None of the NESHAPs apply to the proposed equipment. None of the currently promulgated MACT regulations apply to the proposed equipment.
- Blanket filters are being used to control the PM, PM₁₀, and PM_{2.5} emissions from the equipment in this permit.
- This review was conducted in accordance with Section (5) of Missouri State Rule 10 CSR 10-6.060, *Construction Permits Required*. Potential emissions of VOC, individual HAPs and total HAPs have been conditioned below de minimis levels.
- This installation is located in Webster County, an attainment/unclassifiable area for all criteria pollutants.
- This installation is not on the List of Named Installations found in 10 CSR 10-6.020(3)(B), Table 2. The installation's major source level is 250 tons per year and fugitive emissions are not counted toward major source applicability.
- Ambient air quality modeling was not performed for this review. Emissions of VOC and HAPs are conditioned to less than de minimis and SMALs, respectively.

- Emissions testing is not required for the equipment as a part of this permit. Testing may be required as part of other state, federal or applicable rules.
- No Operating Permit is required for this installation.
- Approval of this permit is recommended with special conditions.

INSTALLATION DESCRIPTION

Architectural Components Group, Inc. operates a facility that manufactures wood building products that include ceiling tiles and panels. The facility receives wood and prepares it for coating by sawing, trimming, and sanding. Wood products are then finished by coating with stains and paints.

No permits have been issued to Architectural Components Group, Inc. from the Air Pollution Control Program. The facility did have a No Permit Required issued to them in 2006. ACGI recently bought the facility from American Products LLC and none of the existing equipment was permitted. The existing equipment is currently being permitted under a separate project, 2019-07-003, and should not affect this permit for the new spray booth.

PROJECT DESCRIPTION

Architectural Components Group, Inc. is installing a new spray booth (EP-19). The downdraft spray booth is a 2019 Global Finishing Solution LEDDG-080812-N. The MHDR for the spray booth was found to be 3.58 gal/hr. This was calculated using a spray tip selection chart provided by the manufacturer. This MHDR was applied to all coatings. Wood building products, that include ceiling tiles and panels, will be being sprayed.

The installation requested confidentiality for various information. The confidential information is located in a confidential folder under Project Number 2019-08-047.

EMISSIONS/CONTROLS EVALUATION

Potential emissions were estimated using a mass balance approach and information obtained from the Safety Data Sheets (SDS). 100% of the VOC and volatile HAP content of the coatings are assumed to be emitted into the atmosphere.

The spray gun is air assisted airless and the products being coated are typically flat surfaces. This led to using a transfer efficiency of 60% for PM, PM₁₀, and PM_{2.5}. The control efficiency of 99% was used for PM, PM₁₀, and PM_{2.5} because ACGI is using blanket filters. The downdraft spray booth (EP-19) has four walls but one wall has a door. The door may be open during spraying so the booth is considered three sided. The capture rate of 90% was given for the booth.

The solid content of the material was not specifically stated in the SDS, therefore it was estimated by subtracting the volatile content from the density of the material. The remainder was assumed to be PM. 96% of PM is assumed to be PM₁₀ and 96.4% of PM₁₀ is assumed to be PM_{2.5} based on data provided by the South Coast Air Quality Management District, "Final –Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds", October 2006.

Looking at all the coatings, the highest potential emissions of VOC, PM, total HAPs, and each individual HAP were used to determine the worst case potential emissions.

The following table provides an emissions summary for this project. Existing potential and existing actual emissions have yet to be determined. Potential emissions of the application represent the potential of the new equipment, assuming continuous operation (8760 hours per year). Equipment conditioned potentials represent the limits taken for the Downdraft Booth (EP-19).

Table 1: Emissions Summary (tpy)

Pollutant	Regulatory <i>De Minimis</i> / SMAL Levels	Existing Potential Emissions	Existing Actual Emissions (2018 EIQ)	Potential Emissions of the Project	Equipment Conditioned Potential
PM	25.0	N/D	N/D	9.67	N/D
PM ₁₀	15.0	N/D	N/D	9.28	N/D
PM _{2.5}	10.0	N/D	N/D	8.95	N/D
SO _x	40.0	N/D	N/D	N/A	N/A
NO _x	40.0	N/D	N/D	N/A	N/A
VOC	40.0	N/D	N/D	120.80	<40.0
CO	100.0	N/D	N/D	N/A	N/A
Total HAPs	25.0	N/D	N/D	105.70	<25.0
Hexamethylene -di-isocyanate	0.02	N/D	N/D	0.28	<0.02
Toluene	10	N/D	N/D	33.03	<10
Ethylbenzene	10	N/D	N/D	9.89	N/D
Xylene	10	N/D	N/D	67.82	<10
Methyl Isobutyl Ketone	10	N/D	N/D	35.86	<10
Cumene	10	N/D	N/D	1.16	N/D
Methyl Methacrylate	10	N/D	N/D	1.24	N/D

N/A = Not Applicable; N/D = Not Determined

PERMIT RULE APPLICABILITY

This review was conducted in accordance with Section (5) of Missouri State Rule 10 CSR 10-6.060, *Construction Permits Required*. Potential emissions of VOC and HAPs are conditioned below de minimis levels.

APPLICABLE REQUIREMENTS

Architectural Components Group, Inc. shall comply with the following applicable requirements. The Missouri Air Conservation Laws and Regulations should be consulted for specific record keeping, monitoring, and reporting requirements. Compliance with these emission standards, based on information submitted in the application, has been verified at the time this application was approved.

GENERAL REQUIREMENTS

- *Start-Up, Shutdown, and Malfunction Conditions*, 10 CSR 10-6.050
- *Submission of Emission Data, Emission Fees and Process Information*, 10 CSR 10-6.110
 - Per 10 CSR 10-6.110(4)(B)2.B(II) and (4)(B)2.C(II) a full EIQ is required for the first full calendar year the equipment (or modifications) approved by this permit are in operation.
- *Restriction of Particulate Matter to the Ambient Air Beyond the Premises of Origin*, 10 CSR 10-6.170
- *Restriction of Emission of Visible Air Contaminants*, 10 CSR 10-6.220
- *Restriction of Emission of Odors*, 10 CSR 10-6.165

STAFF RECOMMENDATION

On the basis of this review conducted in accordance with Section (5), Missouri State Rule 10 CSR 10-6.060, *Construction Permits Required*, it is recommended that this permit be granted with special conditions.

PERMIT DOCUMENTS

The following documents are incorporated by reference into this permit:

- The Application for Authority to Construct form, dated July 2, 2019, received July 2, 2019, designating Armstrong World Industries as the owner and operator of the installation.
- Safety Data Sheets

Attachment A – EP-19 VOC Compliance Worksheet

Architectural Components Group, Inc.

Webster County, S1 T30N R18W

Project Number: 2019-07-043

Installation ID Number: 225-0039

Permit Number: **102019-009**

Date:

¹ Name of Coating Used	Amount of Coating Used (Gallons)	² Density (lb/gal)	³ VOC Content (Wt %)	⁴ VOC Emissions (tons)
⁵ Total VOC Emissions Calculated for this Month in tons:				
⁶ 12-Month Rolling VOC Emissions Total from Previous Month's Attachment A, in tons:				
⁷ Monthly VOC Emissions Total from Previous Year's Attachment A, in tons:				
⁸ Current 12-month Rolling Total of VOC Emissions in tons:				

Note 1: Coating name

Note 2: Highest density as reported in the coatings SDS or MSDS.

Note 3: Highest VOC content as reported in the coatings SDS or MSDS.

Note 4: VOC Emissions (tons) = [Amount of Coating Used (gallons)] x [Density (lb/gal)] x [VOC Content (Wt. %)] x 0.0005 tons/lb.

Note 5: Total VOC emissions from all coatings used.

Note 6: 12-Month Rolling VOC emissions total (tons) from last month's Attachment A, in tons;

Note 7: Monthly VOC emissions total (tons) from previous year's Attachment A, in tons;

Note 8: Calculate the new 12-month Rolling VOC emissions total by using [5]+[6]-[7]

A 12-Month Rolling VOC emissions total of less than 40.0 tons indicates compliance.

Attachment B – EP-19 SMAL Individual HAP Tracking Sheet

Architectural Components Group, Inc.
 Webster County, S1 T30N R18W
 Project Number: 2019-07-043
 Installation ID Number: 225-0039
 Permit Number: **102019-009**

Date: _____
 HAP Name: _____ CAS No: _____ SMAL: _____

Copy this sheet as needed so that each individual HAP is calculated

A	B	C	D	E	F	G	H	I	J
Coating Name	HAP is also PM (yes / no)	Individual HAP Content (max weight %)	Maximum Density of Coating (lb/gal)	Usage (gallons per month)	Overall PM Control Efficiency (%)	Individual HAP Emissions (tons per month)	Individual HAP 12 Month Rolling Total from Previous Month's Attachment B in tons	Individual HAP Monthly Emission Total from Previous Year's Attachment B	Current 12-month Total of Individual HAP emissions in tons
Ex. Coating with volatile HAPs	no	2.0%	1.587	1,000	N/A	0.02	0.00	0.00	0.02
Ex. Coating with solid HAP	yes	0.5%	1.587	1,000	95.6	0.0002	0.00	0.00	0.0002

- A. Record all of the coatings that contain this individual HAP
- B. Compare the HAP to Appendix B for verification as particulate matter.
- C. Record the maximum weight percent of the HAP from the MSDS.
- D. Record the maximum density of the coating from the MSDS
- E. Record the monthly usage from the coating.
- F. The overall PM control efficiency includes the HVLP transfer efficiency (60%), booth capture efficiency (90%), and blanket filter control efficiency (99%): $60\% + (1 - 60\%) \times 90\% \times 99\% = 95.6\%$. Do not apply an overall PM control efficiency if the HAP is not PM.
- G. Calculate the particulate matter HAP emissions: $G = C \times E \times D \times (1 - F) / 2,000$. Otherwise calculate the volatile HAP potential to emit: $G = C \times E \times D / 2,000$. For HDI, calculate HDI emissions (Hexamethylene,-1,6-Diisocyanate), = 0.076 lb HDI/ lb of HDI sprayed if usage is in pounds or gallons. For HDI emissions usage in tons = 0.076 tons HDI/ton HDI sprayed (same ratio).
- H. 12-Month Rolling Individual HAP emissions total (tons) from last month's Attachment B, in tons from Column J.
- I. Monthly Individual HAP emissions total (tons) from previous year's Attachment B, in tons from Column G.
- J. Calculate the new 12-month Rolling Individual HAP emissions totals by using $J = G + H - I$

Record the individual HAP SMAL from the most recent Appendix B, also available at <http://www.dnr.mo.gov/env/apcp/permits/constpmtguide.htm> as Table of Hazardous Air Pollutants, Screening Model Action Levels and Risk Assessment Levels.

A 12-Month rolling individual HAP emissions total less than or equal to the respective SMAL indicates compliance.

APPENDIX A

Abbreviations and Acronyms

%percent	Mgal1,000 gallons
°Fdegrees Fahrenheit	MWmegawatt
acfmactual cubic feet per minute	MHDRmaximum hourly design rate
BACTBest Available Control Technology	MMBtuMillion British thermal units
BMPsBest Management Practices	MMCFmillion cubic feet
BtuBritish thermal unit	MSDSMaterial Safety Data Sheet
CAM Compliance Assurance Monitoring	NAAQSNational Ambient Air Quality Standards
CASChemical Abstracts Service	NESHAPs National Emissions Standards for Hazardous Air Pollutants
CEMS Continuous Emission Monitor System	NO_xnitrogen oxides
CFRCode of Federal Regulations	NSPSNew Source Performance Standards
COcarbon monoxide	NSRNew Source Review
CO₂carbon dioxide	PMparticulate matter
CO_{2e}carbon dioxide equivalent	PM_{2.5}particulate matter less than 2.5 microns in aerodynamic diameter
COMSContinuous Opacity Monitoring System	PM₁₀particulate matter less than 10 microns in aerodynamic diameter
CSRCode of State Regulations	ppmparts per million
dscfdry standard cubic feet	PSDPrevention of Significant Deterioration
EIQEmission Inventory Questionnaire	PTEpotential to emit
EPEmission Point	RACTReasonable Available Control Technology
EPAEnvironmental Protection Agency	RALRisk Assessment Level
EUEmission Unit	SCCSource Classification Code
fpsfeet per second	scfmstandard cubic feet per minute
ftfeet	SDSSafety Data Sheet
GACTGenerally Available Control Technology	SICStandard Industrial Classification
GHGGreenhouse Gas	SIPState Implementation Plan
gpmgallons per minute	SMALScreening Model Action Levels
grgrains	SO_xsulfur oxides
GWPGlobal Warming Potential	SO₂sulfur dioxide
HAPHazardous Air Pollutant	SSMStartup, Shutdown & Malfunction
hrhour	tphtons per hour
hphorsepower	tpytons per year
lbpound	VMTvehicle miles traveled
lbs/hrpounds per hour	VOCVolatile Organic Compound
MACTMaximum Achievable Control Technology	
µg/m³micrograms per cubic meter	
m/smeters per second	

Air Pollution Control Program

Table of Hazardous Air Pollutants and Screening Model Action Levels

Chemical	CAS #	SMAL tons/yr	Group ID	VOC	PM	Chemical	CAS #	SMAL tons/yr	Group ID	VOC	PM
ACETALDEHYDE	75-07-0	9		Y	N	CHLOROMETHYL METHYL ETHER	107-30-2	0.1		Y	N
ACETAMIDE	60-35-5	1		Y	N	CHLOROPRENE	126-99-8	1		Y	N
ACETONITRILE	75-05-8	4		Y	N	CHROMIUM (VI) COMPOUNDS		0.002	L	N	Y
ACETOPHENONE	98-86-2	1		Y	N	CHROMIUM COMPOUNDS		5	L	N	Y
ACETYLAMINOFLUORINE, [2-]	53-96-3	0.005	V	Y	Y	CHRYSENE	218-01-9	0.01	V	Y	N
ACROLEIN	107-02-8	0.04		Y	N	COBALT COMPOUNDS		0.1	M	N	Y
ACRYLAMIDE	79-06-1	0.02		Y	N	COKE OVEN EMISSIONS	8007-45-2	0.03	N	Y	N
ACRYLIC ACID	79-10-7	0.6		Y	N	CRESOL, [META-]	108-39-4	1	B	Y	N
ACRYLONITRILE	107-13-1	0.3		Y	N	CRESOL, [ORTHO-]	95-48-7	1	B	Y	N
ALLYL CHLORIDE	107-05-1	1		Y	N	CRESOL, [PARA-]	106-44-5	1	B	Y	N
AMINOBIIPHENYL, [4-]	92-67-1	1	V	Y	N	CRESOLS (MIXED ISOMERS)	1319-77-3	1	B	Y	N
ANILINE	62-53-3	1		Y	N	CUMENE	98-82-8	10		Y	N
ANISIDINE, [ORTHO-]	90-04-0	1		Y	N	CYANIDE COMPOUNDS		0.1	O	Y	N
ANTHRACENE	120-12-7	0.01	V	Y	N	DDE	72-55-9	0.01	V	Y	Y
ANTIMONY COMPOUNDS		5	H	N	Y	DI(2-ETHYLHEXYL) PHTHALATE, (DEHP)	117-81-7	5		Y	N
ANTIMONY PENTAFLUORIDE	7783-70-2	0.1	H	N	Y	DIAMINOTOLUENE, [2,4-]	95-80-7	0.02		Y	N
ANTIMONY POTASSIUM TARTRATE	28300-74-5	1	H	N	Y	DIAZOMETHANE	334-88-3	1		Y	N
ANTIMONY TRIOXIDE	1309-64-4	1	H	N	Y	DIBENZ(A,H)ANTHRACENE	53-70-3	0.01	V	Y	N
ANTIMONY TRISULFIDE	1345-04-6	0.1	H	N	Y	DIOXINS/FURANS		6E-07	D,V	Y	N
ARSENIC COMPOUNDS		0.005	I	N	Y	DIBENZOFURAN	132-64-9	5	V	Y	N
ASBESTOS	1332-21-4	0	A	N	Y	DIBROMO-3-CHLOROPROPANE, [1,2-]	96-12-8	0.01		Y	N
BENZ(A)ANTHRACENE	56-55-3	0.01	V	Y	N	DIBROMOETHANE, [1,2-]	106-93-4	0.1		Y	N
BENZENE	71-43-2	2		Y	N	DIBUTYL PHTHALATE	84-74-2	10		Y	Y
BENZIDINE	92-87-5	0.0003	V	Y	N	DICHLOROBENZENE, [1,4-]	106-46-7	3		Y	N
BENZO(A)PYRENE	50-32-8	0.01	V	Y	N	DICHLOROBENZIDENE, [3,3-]	91-94-1	0.2	V	Y	Y
BENZO(B)FLUORANTHENE	205-99-2	0.01	V	Y	N	DICHLOROETHANE, [1,1-]	75-34-3	1		Y	N
BENZO(K)FLUORANTHENE	207-08-9	0.01	V	Y	N	DICHLOROETHANE, [1,2-]	107-06-2	0.8		Y	N
BENZOTRICHLORIDE	98-07-7	0.006		Y	N	DICHLOROETHYLENE, [1,1-]	75-35-4	0.4		Y	N
BENZYL CHLORIDE	100-44-7	0.1		Y	N	DICHLOROMETHANE	75-09-2	10		N	N
BERYLLIUM COMPOUNDS		0.008	J	N	Y	DICHLOROPHENOXY ACETIC ACID, [2,4-]	94-75-7	10	C	Y	Y
BERYLLIUM SALTS		2E-05	J	N	Y	DICHLOROPROPANE, [1,2-]	78-87-5	1		Y	N
BIPHENYL, [1,1-]	92-52-4	10	V	Y	N	DICHLOROPROPENE, [1,3-]	542-75-6	1		Y	N
BIS(CHLOROETHYL)ETHER	111-44-4	0.06		Y	N	DICHLORVOS	62-73-7	0.2		Y	N
BIS(CHLOROMETHYL)ETHER	542-88-1	0.0003		Y	N	DIETHANOLAMINE	111-42-2	5		Y	N
BROMOFORM	75-25-2	10		Y	N	DIETHYL SULFATE	64-67-5	1		Y	N
BROMOMETHANE	74-83-9	10		Y	N	DIETHYLENE GLYCOL MONOBUTYL ETHER	112-34-5	5	P	Y	N
BUTADIENE, [1,3-]	106-99-0	0.07		Y	N	DIMETHOXYBENZIDINE, [3,3-]	119-90-4	0.1	V	Y	Y
BUTOXYETHANOL ACETATE, [2-]	112-07-2	5	P	Y	N	DIMETHYL BENZIDINE, [3,3-]	119-93-7	0.008	V	Y	Y
BUTYLENE OXIDE, [1,2-]	106-88-7	1		Y	N	DIMETHYL CARBAMOYL CHLORIDE	79-44-7	0.02		Y	N
CADMIUM COMPOUNDS		0.01	K	N	Y	DIMETHYL FORMAMIDE	68-12-2	1		Y	N
CALCIUM CYANAMIDE	156-62-7	10		Y	Y	DIMETHYL HYDRAZINE, [1,1-]	57-14-7	0.008		Y	N
CAPROLACTAM (Delisted)	105-60-2					DIMETHYL PHTHALATE	131-11-3	10		Y	N
CAPTAN	133-06-2	10		Y	Y	DIMETHYL SULFATE	77-78-1	0.1		Y	N
CARBARYL	63-25-2	10	V	Y	Y	DIMETHYLAMINOAZOBENZENE, [4-]	60-11-7	1		Y	N
CARBON DISULFIDE	75-15-0	1		Y	N	DIMETHYLANILINE, [N-N-]	121-69-7	1		Y	N
CARBON TETRACHLORIDE	56-23-5	1		Y	N	DINITRO-O-CRESOL, [4,6-] (Note 6)	534-52-1	0.1	E	Y	Y
CARBONYL SULFIDE	463-58-1	5		Y	N	DINITROPHENOL, [2,4-]	51-28-5	1		Y	N
CATECHOL	120-80-9	5		Y	N	DINITROTOLUENE, [2,4-]	121-14-2	0.02		Y	N
CHLORAMBEN	133-90-4	1		Y	Y	DIOXANE, [1,4-]	123-91-1	6		Y	N
CHLORDANE	57-74-9	0.01		Y	Y	DIPHENYLHYDRAZINE, [1,2-]	122-66-7	0.09	V	Y	Y
CHLORINE	7782-50-5	0.1		N	N	DIPHENYLMETHANE DIISOCYANATE, [4,4-]	101-68-8	0.1	V	Y	N
CHLOROACETIC ACID	79-11-8	0.1		Y	N	EPICHLOROHYDRIN	106-89-8	2		Y	N
CHLOROACETOPHENONE, [2-]	532-27-4	0.06		Y	N	ETHOXYETHANOL, [2-]	110-80-5	10	P	Y	N
CHLOROBENZENE	108-90-7	10		Y	N	ETHOXYETHYL ACETATE, [2-]	111-15-9	5	P	Y	N
CHLOROBENZILATE	510-15-6	0.4	V	Y	Y	ETHYL ACRYLATE	140-88-5	1		Y	N
CHLOROFORM	67-66-3	0.9		Y	N	ETHYL BENZENE	100-41-4	10		Y	N

Air Pollution Control Program

Table of Hazardous Air Pollutants and Screening Model Action Levels

Chemical	CAS #	SMAL tons/yr	Group ID	VOC	PM	Chemical	CAS #	SMAL tons/yr	Group ID	VOC	PM
ETHYL CHLORIDE	75-00-3	10		Y	N	NITROBENZENE	98-95-3	1		Y	N
ETHYLENE GLYCOL	107-21-1	10		Y	N	NITROBIPHENYL, [4-]	92-93-3	1	V	Y	N
ETHYLENE GLYCOL MONOBUTYL ETHER (Delisted)	111-76-2					NITROPHENOL [4-]	100-02-7	5		Y	N
ETHYLENE GLYCOL MONOHEXYL ETHER	112-25-4	5	P	Y	N	NITROPROPANE, [2-]	79-46-9	1		Y	N
ETHYLENE IMINE [AZIRIDINE]	151-56-4	0.003		Y	N	NITROSODIMETHYLAMINE, [N-]	62-75-9	0.001		Y	N
ETHYLENE OXIDE	75-21-8	0.1		Y	N	NITROSOMORPHOLINE, [N-]	59-89-2	1		Y	N
ETHYLENE THIOUREA	96-45-7	0.6		Y	Y	NITROSO-N-METHYLUREA, [N-]	684-93-5	0.0002		Y	N
FORMALDEHYDE	50-00-0	2		Y	N	OCTACHLORONAPHTHALENE	2234-13-1	0.01	V	Y	N
GLYCOL ETHER (ETHYLENE GLYCOL ETHERS)		5	P	Y	N	PARATHION	56-38-2	0.1		Y	Y
GLYCOL ETHER (DIETHYLENE GLYCOL ETHERS)		5	P	Y	N	PCB [POLYCHLORINATED BIPHENYLS]	1336-36-3	0.009	X	Y	Y
HEPTACHLOR	76-44-8	0.02		Y	N	PENTACHLORONITROBENZENE	82-68-8	0.3		Y	N
HEXACHLORO BENZENE	118-74-1	0.01		Y	N	PENTACHLOROPHENOL	87-86-5	0.7		Y	N
HEXACHLOROBUTADIENE	87-68-3	0.9		Y	N	PHENOL	108-95-2	0.1		Y	N
HEXACHLOROCYCLOHEXANE, [ALPHA-]	319-84-6	0.01	F	Y	N	PHENYLENEDIAMINE, [PARA-]	106-50-3	10		Y	N
HEXACHLOROCYCLOHEXANE, [BETA-]	319-85-7	0.01	F	Y	N	PHOSGENE	75-44-5	0.1		Y	N
HEXACHLOROCYCLOHEXANE, [DELTA-]	319-86-8	0.01	F	Y	N	PHOSPHINE	7803-51-2	5		N	N
HEXACHLOROCYCLOHEXANE, [TECHNICAL]	608-73-1	0.01	F	Y	N	PHOSPHOROUS (YELLOW OR WHITE)	7723-14-0	0.1		N	N
HEXACHLOROCYCLOPENTADIENE	77-47-4	0.1		Y	N	PHTHALIC ANHYDRIDE	85-44-9	5		Y	N
HEXACHLOROETHANE	67-72-1	5		Y	N	POLYCYLIC ORGANIC MATTER		0.01	V	Y	N
HEXAMETHYLENE,-1,6-DIISOCYANATE	822-06-0	0.02		Y	N	PROPANE SULTONE, [1,3-]	1120-71-4	0.03		Y	Y
HEXAMETHYLPHOSPHORAMIDE	680-31-9	0.01		Y	N	PROPIOLACTONE, [BETA-]	57-57-8	0.1		Y	N
HEXANE, [N-]	110-54-3	10		Y	N	PROPIONALDEHYDE	123-38-6	5		Y	N
HYDRAZINE	302-01-2	0.004		N	N	PROPOXUR [BAYGON]	114-26-1	10		Y	Y
HYDROGEN CHLORIDE	7647-01-0	10		N	N	PROPYLENE OXIDE	75-56-9	5		Y	N
HYDROGEN FLUORIDE	7664-39-3	0.1		N	N	PROPYLENEIMINE, [1,2-]	75-55-8	0.003		Y	N
HYDROQUINONE	123-31-9	1		Y	N	QUINOLINE	91-22-5	0.006		Y	N
INDENO(1,2,3CD)PYRENE	193-39-5	0.01	V	Y	N	QUINONE	106-51-4	5		Y	N
ISOPHORONE	78-59-1	10		Y	N	RADIONUCLIDES		Note 1	Y	N	Y
LEAD COMPOUNDS		0.01	Q	N	Y	SELENIUM COMPOUNDS		0.1	W	N	Y
LINDANE [GAMMA-HEXACHLOROCYCLOHEXANE]	58-89-9	0.01	F	Y	N	STYRENE	100-42-5	1		Y	N
MALEIC ANHYDRIDE	108-31-6	1		Y	N	STYRENE OXIDE	96-09-3	1		Y	N
MANGANESE COMPOUNDS		0.8	R	N	Y	TETRACHLORODIBENZO-P-DIOXIN,[2,3,7,8]	1746-01-6	6E-07	D,V	Y	Y
MERCURY COMPOUNDS		0.01	S	N	N	TETRACHLOROETHANE, [1,1,2,2-]	79-34-5	0.3		Y	N
METHANOL	67-56-1	10		Y	N	TETRACHLOROETHYLENE	127-18-4	10		N	N
METHOXYCHLOR	72-43-5	10	V	Y	Y	TITANIUM TETRACHLORIDE	7550-45-0	0.1		N	N
METHOXYETHANOL, [2-]	109-86-4	10	P	Y	N	TOLUENE	108-88-3	10		Y	N
METHYL CHLORIDE	74-87-3	10		Y	N	TOLUENE DIISOCYANATE, [2,4-]	584-84-9	0.1		Y	N
METHYL ETHYL KETONE (Delisted)	78-93-3					TOLUIDINE, [ORTHO-]	95-53-4	4		Y	N
METHYL HYDRAZINE	60-34-4	0.06		Y	N	TOXAPHENE	8001-35-2	0.01		Y	N
METHYL IODIDE	74-88-4	1		Y	N	TRICHLOROBENZENE, [1,2,4-]	120-82-1	10		Y	N
METHYL ISOBUTYL KETONE	108-10-1	10		Y	N	TRICHLOROETHANE, [1,1,1-]	71-55-6	10		N	N
METHYL ISOCYANATE	624-83-9	0.1		Y	N	TRICHLOROETHANE, [1,1,2-]	79-00-5	1		Y	N
METHYL METHACRYLATE	80-62-6	10		Y	N	TRICHLOROETHYLENE	79-01-6	10		Y	N
METHYL TERT-BUTYL ETHER	1634-04-4	10		Y	N	TRICHLOROPHENOL, [2,4,5-]	95-95-4	1		Y	N
METHYLCYCLOPENTADIENYL MANGANESE	12108-13-3	0.1	R	N	Y	TRICHLOROPHENOL, [2,4,6-]	88-06-2	6		Y	N
METHYLENE BIS(2-CHLOROANILINE), [4,4-]	101-14-4	0.2	V	Y	Y	TRIETHYLAMINE	121-44-8	10		Y	N
METHYLENEDIANILINE, [4,4-]	101-77-9	1	V	Y	N	TRIFLURALIN	1582-09-8	9		Y	Y
METHYLNAPHTHALENE, [2-]	91-57-6	0.01	V	Y	N	TRIMETHYLPENTANE, [2,2,4-]	540-84-1	5		Y	N
MINERAL FIBERS		0	T	N	Y	URETHANE [ETHYL CARBAMATE]	51-79-6	0.8		Y	N
NAPHTHALENE	91-20-3	10	V	Y	N	VINYL ACETATE	108-05-4	1		Y	N
NAPHTHYLAMINE, [ALPHA-]	134-32-7	0.01	V	Y	N	VINYL BROMIDE	593-60-2	0.6		Y	N
NAPHTHYLAMINE, [BETA-]	91-59-8	0.01	V	Y	N	VINYL CHLORIDE	75-01-4	0.2		Y	N
NICKEL CARBONYL	13463-39-3	0.1	U	N	Y	XYLENE, [META-]	108-38-3	10	G	Y	N
NICKEL COMPOUNDS		1	U	N	Y	XYLENES (MIXED ISOMERS)	1330-20-7	10	G	Y	N
NICKEL REFINERY DUST		0.08	U	N	Y						
NICKEL SUBSULFIDE	12035-72-2	0.04	U	N	Y						

Air Pollution Control Program Table of Hazardous Air Pollutants and Screening Model Action Levels

Chemical	CAS #	SMAL tons/yr	Group ID	VOC	PM	Chemical	CAS #	SMAL tons/yr	Group ID	VOC	PM
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Legend	
Group ID	
A	Asbestos
B	Cresols/Cresylic Acid (isomers and mixtures)
C	2,4 - D, Salts and Esters
D	Dibenzofurans, Dibenzodioxins
E	4, 6 Dinitro-o-cresol, and Salts
F	Lindane (all isomers)
G	Xylenes (all isomers and mixtures)
H	Antimony Compounds
I	Arsenic Compounds
J	Beryllium Compounds
K	Cadmium Compounds
L	Chromium Compounds
M	Cobalt Compounds
N	Coke Oven Emissions
O	Cyanide Compounds
P	Glycol Ethers
Q	Lead Compounds (except elemental Lead)
R	Manganese Compounds
S	Mercury Compounds
T	Fine Mineral Fibers
U	Nickel Compounds
V	Polycyclic Organic Matter
W	Selenium Compounds
X	Polychlorinated Biphenyls (Aroclors)
Y	Radionuclides
Notes	The SMAL for radionuclides is defined as the effective dose equivalent to 0.3 millirems per year for 7 years exposure associated with a cancer risk of 1 in 1 million

Product Code	Description	MHDR (gal/hr)	Density (kg/l)	Density (lb/gal)	VOC content (wt%)	VOC Density (lb/gal)	PM Density (lb/gal)	HAP Content (wt%)	HAP Density (lb/gal)	toluene (wt%)	butanone (wt%)	hexamethyl-ene-di-isocyanate (wt%)	Ethylbenz-ene (wt%)	xylene (wt%)	Methyl Isobutyl Ketone (wt%)	Cumene (wt%)	Methyl Methacry-ate (wt%)	2-butoxyeth-anol (wt%)
GCTH3	Hardener for PU	3.579	0.94	7.80	76%	5.96	1.34	17.10	1.33	9.9	7	0.2						
GCTH46	Harner	3.579	0.99	8.23	64%	5.29	2.34	12.60	1.04	9.9		0.2	0.5	2				
GCTN525A	non yellow harden	3.579	0.99	8.23	69%	5.68	2.55	27.00	2.22		20				7			
GCW1S02	water based harde	3.579	1.08	9.01	31%	2.75	8.26	0.20	0.02			0.2						
6FBU02	Universal orange p	3.579	1.32	11.02	30%	3.3	7.72	25.00	2.75				5	20				
6FBU03	Universal red oxide	3.579	1.75	14.60	18%	2.63	11.97	15.00	2.19				2.5	12.5				
6FBU04	Universal red ox pa	3.579	1.84	15.36	21%	3.22	12.14	15.00	2.30				2.5	12.5				
6FBU05	Universal blue past	3.579	1.30	10.81	31%	3.35	7.46	25.00	2.70				5	20				
6FBU06	Universal Green pa	3.579	1.29	10.77	34%	3.66	7.31	25.00	2.69				5	20				
6FBU07	Universal Violet pa	3.579	1.08	9.01	47%	4.24	4.77	55.00	4.96				7	48				
6FBU08	Universal white pa	3.579	2.00	16.65	15%	2.5	14.15	11.90	1.98				2	9.9				
6FBU10	Universal Cold Yell	3.579	1.91	15.94	19%	3.03	12.91	22.50	3.59				2.5	20				
6FBU11	Universal Lemon Y	3.579	1.07	8.93	51%	4.55	4.38	55.00	4.91				7	48				
6FBU12	Universal gold yell	3.579	1.32	11.02	27%	2.97	8.06	25.00	2.75				5	20				
6FBU13	Universal magenta	3.579	1.21	10.10	41%	4.14	5.48	30.00	3.03				5	25				
6FBU14	Universal red past	3.579	1.29	10.77	32%	3.44	7.33	25.00	2.69				5	20				
6FBU15	Universal Red past	3.579	1.24	10.35	28%	2.9	7.45	25.00	2.59				5	20				
6FBU16	Universal black pa	3.579	1.23	10.26	35%	3.59	6.67	25.00	2.57				5	20				
6FPP230TIX	Pu white tix Primer	3.579	1.42	11.85	27%	3.21	8.64	25.50	3.02		2.5		3	20				
6OPU79G20	Clear rubbad sheet	3.579	0.95	7.89	69%	5.47	2.42	50.90	4.01	20	12.5		2.5	9.9	5		1	
6OPU901S01G10	Clear PU tioxthrop	3.579	0.99	8.26	56%	4.64	3.67	63.40	5.24	0.5	9.9		5	48				
6OPU901S01G30	Clear PU tioxthrop	3.579	0.99	8.26	56%	4.64	3.67	60.50	5.00	0.5	7		5	48				
6ROP3	Matting paste	3.579	1.01	8.43	29%	2.47	8.96	80.00	6.74	25			7	48				
6SQWOOD	Waterbased clear s	3.579	1.02	8.51	6%	0.52	7.98	5.00	0.43									5
S370-55	Lacquer Stain Base	3.579	0.89	7.42	97%	7.20	0.22	57.00	4.23				1	5		1		50
SOL-0011-55	MiKB (555G0)	3.579	0.80	6.67	100%	6.67	0.00	0.00	0.00									
SOL-9052	SLOW THINNER	3.579	0.92	7.68	100%	7.67	0.00	0.00	0.00									
SOL-9054	Medium Fast thinn	3.579	0.86	7.15	33%	2.39	4.76	32.00	2.29						32			

Product Code	Emissions in Tons per Year (MHDR = 3.579)				HAP Emissions in Tons per Year (MHDR = 3.579)													
	VOC	PM	HAP		toluene	butanone	hexamethyl-ene-di-isocyanate	Ethylbenz-ene	xylene	Methyl Isobutyl Ketone	Cumene	Methyl Methacry-ate	2-butoxyeth-anol					
GCTH3	93.43	28.89	20.92	12.11	8.56	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GCTH46	82.93	46.06	16.25	12.77	0.00	0.26	0.64	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GCTN525A	89.04	88.85	34.83	0.00	25.80	0.00	0.00	0.00	9.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GCW1S02	43.11	88.18	0.28	0.00	0.00	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6FBU02	51.73	120.95	43.17	0.00	0.00	0.00	8.63	34.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6FBU03	41.23	187.71	34.34	0.00	0.00	0.00	5.72	28.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6FBU04	50.48	190.24	36.11	0.00	0.00	0.00	6.02	30.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6FBU05	52.51	116.90	42.35	0.00	0.00	0.00	8.47	33.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6FBU06	57.37	111.30	42.19	0.00	0.00	0.00	8.44	33.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6FBU07	66.47	74.82	77.71	0.00	0.00	0.00	9.89	67.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6FBU08	39.19	221.80	31.06	0.00	0.00	0.00	5.22	25.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6FBU10	47.50	202.37	56.22	0.00	0.00	0.00	6.25	49.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6FBU11	71.33	88.85	76.99	0.00	0.00	0.00	9.80	67.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6FBU12	46.56	126.33	43.17	0.00	0.00	0.00	8.63	34.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6FBU13	64.90	93.40	47.49	0.00	0.00	0.00	7.91	39.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6FBU14	53.93	114.84	42.19	0.00	0.00	0.00	8.44	33.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6FBU15	45.46	118.38	40.56	0.00	0.00	0.00	8.11	32.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6FBU16	56.28	104.63	40.23	0.00	0.00	0.00	8.05	32.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6FPP230TIX	50.32	135.45	47.37	0.00	4.64	0.00	5.57	37.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6OPU79G20	85.75	37.88	62.93	24.73	15.45	0.00	3.09	12.24	6.18	0.00	0.00	0.00	0.00	1.24	0.00	0.00	0.00	0.00
6OPU901S01G10	72.74	56.78	82.11	0.65	12.82	0.00	6.48	62.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6OPU901S01G30	72.74	56.78	78.36	0.65	9.07	0.00	6.48	62.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6ROP3	38.72	93.41	105.70	33.03	0.00	0.00	9.25	63.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6SQWOOD	8.15	125.25	6.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.67
S370-55	112.94	3.43	66.34	0.00	0.00	0.00	1.16	5.82	0.00	1.16	0.00	1.16	0.00	0.00	0.00	0.00	0.00	58.20
SOL-0011-55	104.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SOL-9052	120.28	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SOL-9054	37.47	74.58	35.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.86	0.00	0.00	0.00

Controlled PM PTE (tpy):	9.67
Controlled PM10 PTE (tpy):	9.28
Controlled PM2.5 PTE (tpy):	8.95

Max PTE (tpy):	Delisted														Delisted			
120.28	221.80	105.70	33.03				0.28	9.89	67.82	35.86	1.16	1.24						