PERMIT BOOK

STATE OF 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: 102012-015 Project Number: 2012-08-012
Installation Number:207-0019

Parent Company: W. W. Wood Products, Inc.

Parent Company Address: 12140 Main Street, Dudley, MO 63936

Installation Name: W. W. Wood Products, Inc.

Installation Address: 12140 Main Street, Dudley, MO 63936

Location Information: Stoddard County, S21, T25S, R9W

Application for Authority to Construct was made for:
Installation of two automatic finishing lines. 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.

OCT 26 2012

EFFECTIVE DATE

Kyra L Moore

DIRECTOR OR DESIGNEE
DEPARTMENT OF NATURAL RESOURCES

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 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 Department's Air Pollution Control Program of the anticipated date of start up of these air contaminant sources. The information must be made available within 30 days of actual startup. Also, you must notify the Department of Natural Resources Regional office responsible for the area within which you are located within 15 days after the actual start up of these air contaminant sources.

A copy of this permit and permit review shall be kept at the installation address and shall be made available to Department of Natural Resources' 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 sources(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 at (573) 751-4817. If you prefer to write, please address your correspondence to the Missouri Department of Natural Resources, Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102-0176, attention: Construction Permit Unit.

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 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 (12)(A)10. "Conditions required by permitting authority."

W. W. Wood Products, Inc.
Stoddard County, S21, T25S, R9W

1. Xylene Emission Limitations
   A. W. W. Wood Products, Inc. shall emit less than 10.0 tons of Xylene in any consecutive 12-month period from emission points listed below.

Table 1: Emission Points

Emission Point	Description
EP-A102	Surface Coating Operations, Paint, Water Based
EP-A103	Surface Coating Operations, Paint

   B. Attachment A or equivalent forms, such as electronic forms, approved by the Air Pollution Control Program shall be used to demonstrate compliance with Special Conditions 1.A.

2. Use of Alternative Coating in the Automatic Finishing Lines (EP-A102 and EP-A103)
   A. When considering using an alternative coating in the automatic finishing lines that is different than a material listed in the Application for Authority to Construct, W. W. Wood Products, Inc. shall calculate the potential emissions of all individual HAPs and VOCs in the alternative material.

   B. W. W. Wood Products, Inc. shall seek approval from the Air Pollution Control Program before use of the alternative material if the potential individual HAP emissions for the alternative material are equal to or greater than the screening model action level (SMAL) for any chemical listed in Appendix B.

   C. W. W. Wood Products, Inc. shall seek approval from the Air Pollution Control Program before use of the alternative material if the potential VOC emissions for the alternative material are equal to or greater than 14.20 tons per year.

SPECIAL CONDITIONS:

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

D. W. W. Wood Products, Inc. may scale (ratio) the potential emissions of the individual HAP to any of the limitations stated in Special Condition 1. If the potential HAP emissions for the alternative material is equal to or greater than the SMAL, then W. W. Wood Products must seek approval from the Air Pollution Control Program before use of the alternative material.

E. W. W. Wood Products, Inc. may scale (ratio) the potential emissions of VOCs to any of the limitations stated in Special Condition 1. If the potential VOC emissions for the alternative material is equal to or greater than 14.20 tons per year, then W. W. Wood Products must seek approval from the Air Pollution Control Program before the use of the alternative material.

F. Attachment B or equivalent forms, such as electronic forms, approved by the Air Pollution Control Program shall be used to show compliance with Special Condition 2.A.

3. Record Keeping and Reporting Requirements

A. W. W. Wood Products, 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 MSDS for all materials used.

B. W. W. Wood Products, Inc. shall report to the Air Pollution Control Program's Compliance/Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after the end of the month during which any record required by this permit show an exceedance of a limitation imposed by this permit.

REVIEW OF APPLICATION FOR AUTHORITY TO CONSTRUCT AND OPERATE
SECTION (5) REVIEW
Project Number: 2012-08-012
Installation ID Number: 207-0019
Permit Number:

W. W. Wood Products, Inc.
12140 Main Street
Dudley, MO 63936

Complete: August 6, 2012

Parent Company:
W. W. Wood Products, Inc.
12140 Main Street
Dudley, MO 63936

Stoddard County, S21, T25S, R9W

REVIEW SUMMARY

- W. W. Wood Products, Inc. has applied for authority to install two automatic finishing lines.

- HAP emissions are expected from the proposed equipment. HAPs of concern from this process are xylene (CAS# 1330-20-7) and ethyl benzene (CAS# 100-41-4).

- None of the New Source Performance Standards (NSPS) apply to the installation.

- None of the NESHAPs apply to this installation. The Maximum Achievable Control Technology (MACT) standard, 40 CFR Part 63, Subpart JJ, *National Emission Standards for Wood Furniture Manufacturing Operations* applies to the proposed equipment.

- No air pollution control equipment is being used in association with the new equipment.

- 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.

- This installation is located in Stoddard County, an attainment 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 since potential emissions of the application are conditioned below de minimis levels.

- Emissions testing is not required for the equipment.

- A modification to your Part 70 Operating Permit application is required for this installation within one year of equipment startup.

- Approval of this permit is recommended with special conditions.

INSTALLATION DESCRIPTION

W. W. Wood Products, Inc., located in Dudley, Missouri, is an existing installation that is a multidivisional vertically integrated processor of lumber and wood products. The existing installation is a Part 70 source of air emissions by the Air Pollution Control Program. The company was issued a Part 70 Operating Permit (Number OP2011-023) on May 17, 2011. The installation is considered a major source for VOCs and HAPs for construction permits.

The W.W. Wood Products, Inc. divisions include a sawmill operation, a cabinet door operation, and operations for the production of both “Shiloh Custom Cabinetry” and “Sequoia Custom Cabinetry”. In addition, the installation has a transportation division, which picks up raw material and delivers finished cabinetry to dealers. A maintenance division is also located at the installation to service material handling and transportation equipment.

The following New Source Review permits have been issued to W. W. Wood Products, Inc. from the Air Pollution Control Program.

Table 2: Permit History

Permit Number	Description
0792-004	Construction permit Sec 5 & 6
1093-012	Construction permit Sec 5 & 6
0698-019	Conversion of house door shop (bldg. #8)
0898-015	5 new spray booths
0499-009	New spray booth
102001-008	New building
102001-002	Wood waste grinder
092004-015	Finishing and drying facility
112004-007	Adding one new spray booth
012005-006	New spray booths
062005-007	Topcoat and finishing operation
012006-010	Paint and coating lines
012006-010A	RTO changes
012006-010B	Operating hours

PROJECT DESCRIPTION

W. W. Wood Products, Inc. has applied for authority to construct two automatic finishing lines (EP-A102 and EP-A103) inside the existing production facility of Shiloh. Both

finishing lines are designed for water base and solvent based coatings. Cabinet parts are first loaded onto the feed conveyor where they enter the finish material application chamber. The finishing material is applied by eight automatic spray guns. The cabinet parts are then conveyed to and through the drying system which is composed of two chambers, an ambient air and an infra-red. Dried parts are then conveyed out on the catch conveyor to be put into the cabinet assembly process.

EMISSIONS/CONTROLS EVALUATION

The emissions from the two automatic finishing lines (EP-A102 and EP-A103) were calculated using the maximum primer and paint usage and MSDS supplied by W. W. Wood Products, Inc. All available VOCs and HAPs were considered to be emitted. The MHDR of each line was determined by using the flow rate of the automatic spray tips and the amount of spray tips. Each line has 8 guns, each spraying at 7 ounces per minute. Therefore, the MHDR of each line was determined to be 56 ounces per minute or 26.25 gallons per hour.

Multiplying the MHDR by the density and weight percent of VOC from the MSDS the VOC unconditioned potential emissions of EP-A102 were determined. The same procedure was used to determine the VOC and HAPs unconditioned potential emissions of EP-A103. The unconditioned potential emissions are a total of emissions from EP-A102 and EP-A103 assuming a worst case scenario of both processes occurring at the same time.

The following table provides an emissions summary for this project. Existing potential emissions were taken from construction permit number 102006-010. Existing actual emissions were taken from the installation's 2011 EIQ. Unconditioned potential emissions of the application represent the potential of the new equipment, assuming continuous operation (8760 hours per year). Conditioned potential emissions of the application were derived from a ratio of the limiting factor, xylene, to the pollutant to determine the pollutant's conditioned potential.

Table 3: Emissions Summary (tons per year)

Pollutant	Regulatory *De Minimis* Levels	Existing Potential Emissions	Existing Actual Emissions (2011 EIQ)	Unconditioned Potential Emissions of the Application	Conditioned Potential Emissions of the Application
PM	25.0	N/D	N/A	N/A	N/A
PM_{10}	15.0	81.38	8.86	N/A	N/A
$PM_{2.5}$	10.0	N/D	0.07	N/A	N/A
SOx	40.0	0.52	0.01	N/A	N/A
NOx	40.0	14.8	2.28	N/A	N/A
VOC	40.0	421.5	197.2	489.8	14.20
CO	100.0	20.02	0.39	N/A	N/A
HAPs	10.0/25.0	N/D	N/A	402.4	11.67
Xylene	10.0[1]	N/D	N/A	344.9	<10
Ethyl Benzene	10.0[1]	N/D	N/A	57.49	1.67

N/A = Not Applicable; N/D = Not Determined
[1]Represents the SMAL (ton/yr)

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

W. W. Wood Products, 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. For a complete list of applicable requirements for your installation, please consult your operating permit.

GENERAL REQUIREMENTS

- *Submission of Emission Data, Emission Fees and Process Information,* 10 CSR 10-6.110
- *Operating Permits*, 10 CSR 10-6.065
- *Restriction of Emission of Visible Air Contaminants*, 10 CSR 10-6.220
- *Restriction of Emission of Odors*, 10 CSR 10-6.165

SPECIFIC REQUIREMENTS

- *MACT Regulations*, 10 CSR 10-6.075
    - *National Emission Standards for Wood Furniture Manufacturing Operations,* 40 CFR Part 63, Subpart JJ

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*, I recommend this permit be granted with special conditions.

_____ _____

Janelle Lewis Date
New Source Review Unit

PERMIT DOCUMENTS

The following documents are incorporated by reference into this permit:

- The Application for Authority to Construct form, dated August 6, 2012, received August 6, 2012, designating W. W. Wood Products, Inc. as the owner and operator of the installation.
- U.S. EPA document AP-42, *Compilation of Air Pollutant Emission Factors*, Fifth Edition.

Attachment A - Xylene Compliance Worksheet

W. W. Wood Products, Inc.
Stoddard County, S21, T25S, R9W
Project Number: 2012-08-012
Installation ID Number: 207-0019
Permit Number: _____

This sheet covers the period from _____ to _____.
(month, year) (month, year)

Column 1	Column 2 (a)	Column 3	Column 4	Column 5
Material Used, (Name, Xylene CAS #)	Amount of Material Used (Include Units)	Density (lbs/gal)	Xylene Content (Weight %)	Xylene Emissions (Tons)
Matador CC White 30	*50 gallons*	*10.0*	*30%*	*0.075*

(b) Total Xylene Emissions Calculated for this Month (tons)	
(c) 12-Month Xylene Emissions Total from Previous Month's Attachment A (tons)	
(d) Monthly Xylene Emissions Total (c) from Previous Year's Attachment A (tons)	
(e) Current 12-month Total of Xylene Emissions (tons): [(b) + (c) - (d)]	

(a) 1) If usage is in tons: [Column 2] x [Column 4] = [Column 5];
2) If usage is in pounds: [Column 2] x [Column 4] x [0.0005] = [Column 5];
3) If usage is in gallons: [Column 2] x [Column 3] x [Column 4] x [0.0005] = [Column 5];
(b) Summation of [Column 5];
(c) 12-Month Xylene emissions (e) from last month's Attachment A;
(d) Monthly Xylene emissions total (b) from the previous year's Attachment A;
(e) Calculate the new 12-month Xylene emissions total. A 12-Month Xylene emissions total (e) of less than 10.0 tons indicates compliance.

Attachment B- Alternative Coating Potential to Emit Compliance Worksheet

W. W. Wood Products, Inc.
Stoddard County, S21, T25S, R9W
Project Number: 2012-08-012
Installation ID Number: 207-0019
Permit Number: _____

Column 1	Column 2 (a)	Column 3	Column 4	Column 5 (b)	Column 6	Column 7	Column 8	Column 9 (c)
Material Name	Maximum Hourly Design Rate (gallons per hour)	Product Density (pounds per gallon)	Individual HAP Content (weight %)	Individual HAP PTE (tons per year)	Xylene Content (weight %)	Xylene Emissions (ton per year) for the Material	Scaled Individual HAP SMAL (tons per year)	Screen Modeling Action Level (tons per year)
(example) new coating	*26.25*	*6.64*	*3.0*	*22.90*	*2.12*	*16.18*	*14.15*	*2.0*

[a] Note: The maximum hourly design rate is equal to 26.25 gallons per hour (gph).
[b] [Column 2] x [Column 3] x [Column 4] x [4.38] / 100 = [Column 5]
[c] Screen Modeling Action Levels for individual HAPs can be found in Appendix B.
[d] Compare potential emissions of the individual HAP in [Column 5] to those from [Column 9]
[e] If [Column 5] is greater than [Column 9], then try scaling as detailed in (f) through (h).
[f] [Column 2] x [Column 3] x [Column 6] x [4.38] / 100 = [Column 7]
[g] 10 x [Column 5] / [Column 7] = [Column 8]
[h] Compare potential emissions of the scaled individual HAP in [Column 8] to those from [Column 9]. If [Column 8] is greater than [Column 9], obtain permission from Air Pollution Control Program before using this material.

Note: Same worksheet will be used to calculate VOC emissions with changes: [Column 4]: VOC Content (weight %), [Column 5]: VOC PTE (tons per year), and [Column 9]: VOC Potential Emissions (tons per year). [Column 9] will be 14.20 tons per year.

APPENDIX A

Abbreviations and Acronyms

% ..... percent

ºF ..... degrees Fahrenheit

acfm ..... actual cubic feet per minute

BACT ..... Best Available Control Technology

BMPs ..... Best Management Practices

Btu..... British thermal unit

CAM ..... Compliance Assurance Monitoring

CAS..... Chemical Abstracts Service

CEMS ..... Continuous Emission Monitor System

CFR ..... Code of Federal Regulations

CO ..... carbon monoxide

CO_2..... carbon dioxide

CO_2e..... carbon dioxide equivalent

COMS..... Continuous Opacity Monitoring System

CSR..... Code of State Regulations

dscf ..... dry standard cubic feet

EIQ ..... Emission Inventory Questionnaire

EP..... Emission Point

EPA ..... Environmental Protection Agency

EU..... Emission Unit

fps ..... feet per second

ft ..... feet

GACT ..... Generally Available Control Technology

GHG ..... Greenhouse Gas

gpm..... gallons per minute

gr..... grains

GWP..... Global Warming Potential

HAP..... Hazardous Air Pollutant

hr..... hour

hp ..... horsepower

lb ..... pound

lbs/hr..... pounds per hour

MACT ..... Maximum Achievable Control Technology

µg/m^3..... micrograms per cubic meter

m/s ..... meters per second

Mgal ..... 1,000 gallons

MW ..... megawatt

MHDR..... maximum hourly design rate

MMBtu.... Million British thermal units

MMCF..... million cubic feet

MSDS ..... Material Safety Data Sheet

NAAQS... National Ambient Air Quality Standards

NESHAPs ..... National Emissions Standards for Hazardous Air Pollutants

NO_x..... nitrogen oxides

NSPS..... New Source Performance Standards

NSR..... New Source Review

PM ..... particulate matter

$PM_{2.5}$..... particulate matter less than 2.5 microns in aerodynamic diameter

PM_{10}..... particulate matter less than 10 microns in aerodynamic diameter

ppm ..... parts per million

PSD ..... Prevention of Significant Deterioration

PTE..... potential to emit

RACT..... Reasonable Available Control Technology

RAL ..... Risk Assessment Level

SCC..... Source Classification Code

scfm ..... standard cubic feet per minute

SIC..... Standard Industrial Classification

SIP..... State Implementation Plan

SMAL ..... Screening Model Action Levels

SO_x..... sulfur oxides

SO_2..... sulfur dioxide

tph..... tons per hour

tpy ..... tons per year

VMT..... vehicle miles traveled

VOC..... Volatile Organic Compoun

Appendix B: Table of Hazardous Air Pollutants and Screening Model Action Levels (May 3, 2012 Revision 10)

Chemical	CAS #	SMAL (tons/yr)	Group ID	VOC	PM
ACETALDEHYDE	75-07-0	9		Y	N
ACETAMIDE	60-35-5	1		Y	N
ACETONITRILE	75-05-8	4		Y	N
ACETOPHENONE	98-86-2	1		Y	N
ACETYLAMINOFLUORINE, [2-]	53-96-3	0.005	V	Y	Y
ACROLEIN	107-02-8	0.04		Y	N
ACRYLAMIDE	79-06-1	0.02		Y	N
ACRYLIC ACID	79-10-7	0.6		Y	N
ACRYLONITRILE	107-13-1	0.3		Y	N
ALLYL CHLORIDE	107-05-1	1		Y	N
AMINOBIPHENYL, [4-]	92-67-1	1	V	Y	N
ANILINE	62-53-3	1		Y	N
ANISIDINE, [ORTHO-]	90-04-0	1		Y	N
ANTHRACENE	120-12-7	0.01	V	Y	N
ANTIMONY COMPOUNDS		5	H	N	Y
ANTIMONY PENTAFLUORIDE	7783-70-2	0.1	H	N	Y
ANTIMONY POTASSIUM TARTRATE	28300-74-5	1	H	N	Y
ANTIMONY TRIOXIDE	1309-64-4	1	H	N	Y
ANTIMONY TRISULFIDE	1345-04-6	0.1	H	N	Y
ARSENIC COMPOUNDS		0.005	I	N	Y
ASBESTOS	1332-21-4	0	A	N	Y
BENZ(A)ANTHRACENE	56-55-3	0.01	V	Y	N
BENZENE	71-43-2	2		Y	N
BENZIDINE	92-87-5	0.0003	V	Y	N
BENZO(A)PYRENE	50-32-8	0.01	V	Y	N
BENZO(B)FLUORANTHENE	205-99-2	0.01	V	Y	N
BENZO(K)FLUORANTHENE	207-08-9	0.01	V	Y	N
BENZOTRICHLORIDE	98-07-7	0.006		Y	N
BENZYL CHLORIDE	100-44-7	0.1		Y	N
BERYLLIUM COMPOUNDS		0.008	J	N	Y
BERYLLIUM SALTS		2E-05	J	N	Y
BIPHENYL, [1,1-]	92-52-4	10	V	Y	N
BIS(CHLOROETHYL)ETHER	111-44-4	0.06		Y	N
BIS(CHLOROMETHYL)ETHER	542-88-1	0.0003		Y	N
BROMOFORM	75-25-2	10		Y	N
BROMOMETHANE	74-83-9	10		Y	N
BUTADIENE, [1,3-]	106-99-0	0.07		Y	N
BUTOXYETHANOL ACETATE, [2-]	112-07-2	5	P	Y	N
BUTYLENE OXIDE, [1,2-]	106-88-7	1		Y	N
CADMIUM COMPOUNDS		0.01	K	N	Y
CALCIUM CYANAMIDE	156-62-7	10		Y	Y
CAPROLACTAM (Delisted)	105-60-2				
CAPTAN	133-06-2	10		Y	Y
CARBARYL	63-25-2	10	V	Y	Y
CARBON DISULFIDE	75-15-0	1		Y	N
CARBON TETRACHLORIDE	56-23-5	1		Y	N
CARBONYL SULFIDE	463-58-1	5		Y	N
CATECHOL	120-80-9	5		Y	N
CHLORAMBEN	133-90-4	1		Y	Y
CHLORDANE	57-74-9	0.01		Y	Y
CHLORINE	7782-50-5	0.1		N	N
CHLOROACETIC ACID	79-11-8	0.1		Y	N
CHLOROACETOPHENONE, [2-]	532-27-4	0.06		Y	N
CHLOROBENZENE	108-90-7	10		Y	N
CHLOROBENZILATE	510-15-6	0.4	V	Y	Y
CHLOROFORM	67-66-3	0.9		Y	N
CHLOROMETHYL METHYL ETHER	107-30-2	0.1		Y	N
CHLOROPRENE	126-99-8	1		Y	N
CHROMIUM (VI) COMPOUNDS		0.002	L	N	Y
CHROMIUM COMPOUNDS		5	L	N	Y
CHRYSENE	218-01-9	0.01	V	Y	N
COBALT COMPOUNDS		0.1	M	N	Y
COKE OVEN EMMISIONS	8007-45-2	0.03	N	Y	N
CRESOL, [META-]	108-39-4	1	B	Y	N
CRESOL, [ORTHO-]	95-48-7	1	B	Y	N
CRESOL, [PARA-]	106-44-5	1	B	Y	N
CRESOLS (MIXED ISOMERS)	1319-77-3	1	B	Y	N
CUMENE	98-82-8	10		Y	N
CYANIDE COMPOUNDS		0.1	O	Y	N
DDE	72-55-9	0.01	V	Y	Y
DI(2-ETHYLHEXYL) PHTHALATE, (DEHP)	117-81-7	5		Y	N
DIAMINOTOLUENE, [2,4-]	95-80-7	0.02		Y	N
DIAZOMETHANE	334-88-3	1		Y	N
DIBENZ(A,H)ANTHRACENE	53-70-3	0.01	V	Y	N
DIOXINS/FURANS		6E-07	D,V	Y	N
DIBENZOFURAN	132-64-9	5	V	Y	N
DIBROMO-3-CHLOROPROPANE, [1,2-]	96-12-8	0.01		Y	N
DIBROMOETHANE, [1,2-]	106-93-4	0.1		Y	N
DIBUTYL PHTHALATE	84-74-2	10		Y	Y
DICHLOROBENZENE, [1,4-]	106-46-7	3		Y	N
DICHLOROBENZIDENE, [3,3-]	91-94-1	0.2	V	Y	Y
DICHLOROETHANE, [1,1-]	75-34-3	1		Y	N
DICHLOROETHANE, [1,2-]	107-06-2	0.8		Y	N
DICHLOROETHYLENE, [1,1-]	75-35-4	0.4		Y	N
DICHLOROMETHANE	75-09-2	10		N	N
DICHLOROPHENOXY ACETIC ACID, [2,4-]	94-75-7	10	C	Y	Y
DICHLOROPROPANE, [1,2-]	78-87-5	1		Y	N
DICHLOROPROPENE, [1,3-]	542-75-6	1		Y	N
DICHLORVOS	62-73-7	0.2		Y	N
DIETHANOLAMINE	111-42-2	5		Y	N
DIETHYL SULFATE	64-67-5	1		Y	N
DIETHYLENE GLYCOL MONOBUTYL ETHER	112-34-5	5	P	Y	N
DIMETHOXYBENZIDINE, [3,3-]	119-90-4	0.1	V	Y	Y
DIMETHYL BENZIDINE, [3,3-]	119-93-7	0.008	V	Y	Y
DIMETHYL CARBAMOYL CHLORIDE	79-44-7	0.02		Y	N
DIMETHYL FORMAMIDE	68-12-2	1		Y	N
DIMETHYL HYDRAZINE, [1,1-]	57-14-7	0.008		Y	N
DIMETHYL PHTHALATE	131-11-3	10		Y	N
DIMETHYL SULFATE	77-78-1	0.1		Y	N
DIMETHYLAMINOAZOBENZENE, [4-]	60-11-7	1		Y	N
DIMETHYLANILINE, [N-N-]	121-69-7	1		Y	N
DINITRO-O-CRESOL, [4,6-] (Note 6)	534-52-1	0.1	E	Y	Y
DINITROPHENOL, [2,4-]	51-28-5	1		Y	N
DINITROTOLUENE, [2,4-]	121-14-2	0.02		Y	N
DIOXANE, [1,4-]	123-91-1	6		Y	N
DIPHENYLHYDRAZINE, [1,2-]	122-66-7	0.09	V	Y	Y
DIPHENYLMETHANE DIISOCYANATE, [4,4-]	101-68-8	0.1	V	Y	N
EPICHLOROHYDRIN	106-89-8	2		Y	N
ETHOXYETHANOL, [2-]	110-80-5	10	P	Y	N
ETHOXYETHYL ACETATE, [2-]	111-15-9	5	P	Y	N
ETHYL ACRYLATE	140-88-5	1		Y	N
ETHYL BENZENE	100-41-4	10		Y	N
ETHYL CHLORIDE	75-00-3	10		Y	N
ETHYLENE GLYCOL	107-21-1	10		Y	N
ETHYLENE GLYCOL MONOBUTYL ETHER (Delisted)	111-76-2				
ETHYLENE GLYCOL MONOHEXYL ETHER	112-25-4	5	P	Y	N
ETHYLENE IMINE [AZIRIDINE]	151-56-4	0.003		Y	N
ETHYLENE OXIDE	75-21-8	0.1		Y	N
ETHYLENE THIOUREA	96-45-7	0.6		Y	Y
FORMALDEHYDE	50-00-0	2		Y	N
GLYCOL ETHER (ETHYLENE GLYCOL ETHERS)		5	P	Y	N
GLYCOL ETHER (DIETHYLENE GLYCOL ETHERS)		5	P	Y	N
HEPTACHLOR	76-44-8	0.02		Y	N
HEXACHLOROBENZENE	118-74-1	0.01		Y	N
HEXACHLOROBUTADIENE	87-68-3	0.9		Y	N
HEXACHLOROCYCLOHEXANE, [ALPHA-]	319-84-6	0.01	F	Y	N
HEXACHLOROCYCLOHEXANE, [BETA-]	319-85-7	0.01	F	Y	N
HEXACHLOROCYCLOHEXANE, [DELTA-]	319-86-8	0.01	F	Y	N
HEXACHLOROCYCLOHEXANE, [TECHNICAL]	608-73-1	0.01	F	Y	N

Appendix B: Table of Hazardous Air Pollutants and Screening Model Action Levels (May 3, 2012 Revision 10)

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

Legend

Group ID	Aggregate Group Name
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

Note 1	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

Mr. Michael Yount
EHS Manager
W. W. Wood Products, Inc.
P. O. Box 50
Dudley, MO 63936

RE: New Source Review Permit - Project Number: 2012-08-012

Dear Mr. Yount:

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, your new source review permit application and with your amended operating permit 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.

If you have any questions regarding this permit, please do not hesitate to contact Janelle Lewis, 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:jll

Enclosures

c: Southeast Regional Office
PAMS File: 2012-08-012

Permit Number: