From: Air.Pollution Control
To: APC Permitting

Subject: FW: SRN 32-0309 Koch Tenn Const. App 11.30.23

Date: Friday, December 1, 2023 9:58:07 AM

Attachments: 0171 001.pdf

From: Myron Nagurney <myron@kochtenninc.com>

Sent: Friday, December 1, 2023 8:22 AM

To: Air.Pollution Control <Air.Pollution.Control@tn.gov>; John Fuss <John.Fuss@tn.gov>; Sarosh

Kaiser <Sarosh.Kaiser@tn.gov>

Cc: Rick Carlson < rick@kochandco.com>; Shea Cofer < shea@stevensehs.com>

Subject: [EXTERNAL] SRN 32-0309 Koch Tenn Const. App 11.30.23

*** This is an EXTERNAL email. Please exercise caution. DO NOT open attachments or click links from unknown senders or unexpected email - STS-Security. ***

Good morning all,

Please see attached construction application for Koch Tenn (ESRN 32-0309). This is being submitted in lieu of the minor modification request that was submitted on November 20, 2023.

Thank you,

Myron Nagurney Office Manager

Koch Tennessee, Inc.

1701 Needmore Road Whitesburg, TN 37891

Email: <u>myron@kochtenninc.com</u>

Office: <u>(423)</u> 235-4442 Fax: **(423)** 373-1292

From: NoReply email addresses < <u>noreply@kochtenninc.com</u>>

Sent: Friday, December 1, 2023 9:16 AM

To: Myron Nagurney <<u>myron@kochtenninc.com</u>> **Subject:** Image from Koch Tenn Inc. - Do Not Reply

November 30, 2023

Michelle Owenby
Technical Secretary
Division of Air Pollution Control
Tennessee Department of Environment & Conservation
William R. Snodgrass Tennessee Tower
312 Rosa L. Parks Avenue, 15th Floor
Nashville, TN 37243

Subject:

Koch Tennessee, Inc.

ESRN 32-0309

Permit No. 978764 (Amendment 1)

Construction Application to add new Spray Machine on Source 02

Dear Ms. Owenby:

Koch Tennessee, Inc., (Koch) holds Title V construction permit number 978764 (A1) and submitted the Title V operating permit application on February 13, 2023. This letter submits a construction application to install an additional automatic spray machine on Source 02, which will increase the allowable particulate matter (PM) emissions. This application replaces the minor modification request submitted on November 20, 2023.

Description of Change - Source 02 - New Spray Machine

Source 02 is the Wood Cabinet Finishing and Coating Operations and consists of one dye machine, two spray booths, four automatic spray machines, and three electric flash-off ovens. The facility would like to install an additional automatic spray machine, with an electric flash-off oven. Additionally, a stack above the oven on Spray Machine #2 has been identified and is included in the updated process flow diagram. There will be no change to potential VOC emissions. However, particulate matter emissions will increase due to the addition of three stacks. Koch agrees to limit the Source 02 allowable PM emissions to 10.63 pounds per hour (lb/hr) or 46.56 tons per year (tpy).

Emissions Estimates – Source 02 – New Spray Machine

The installation results in an increase in allowable PM emissions. The current PM emission limitation is 9.4 pounds per hour (lb/hr) or 41.10 tons per year (tpy). The new allowable PM emission limitation will be 10.63 pounds per hour (lb/hr) or 46.56 tons per year (tpy). Associated calculations are attached.

I hereby certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

If you have questions or comments, please contact me at (423) 235-4442, or my consultant, Shea Cofer, at (615) 418-1414.

Sincerely,

Myron Nagurney Office Manager

Attachments

Construction Permit Application And Emission Calculations



TITLE V PERMIT APPLICATION INDEX OF AIR POLLUTION PERMIT APPLICATION FORMS

Section 1: Identification and Diagrams										
This application contains the	APC Form 1, Facility Identification	1								
following forms:	APC Form 2, Operations and Flow Diagrams	1								

Section 2: Emission Source Description Forms									
		Total number of this form							
	APC Form 3, Stack Identification	2							
	APC Form 4, Fuel Burning Non-Process Equipment								
	APC Form 5, Stationary Gas Turbines or Internal Combustion Engines								
	APC Form 6, Storage Tanks								
This application contains the following forms (one form for each incinerator, printing	APC Form 7, Incinerators								
operation, fuel burning installation, etc.):	APC Form 8, Printing Operations								
	APC Form 9, Painting and Coating Operations	1							
	APC Form 10, Miscellaneous Processes								
	APC Form 33, Stage I and Stage II Vapor Recovery Equipment								
	APC Form 34, Open Burning								

Section 3: Air Pollution Control System Forms									
		Total number of this form							
	APC Form 11, Control Equipment - Miscellaneous								
	APC Form 13, Adsorbers								
This application contains the following forms (one form for each control system in use at the	APC Form 14, Catalytic or Thermal Oxidation Equipment								
facility):	APC Form 15, Cyclones/Settling Chambers								
	APC Form 17, Wet Collection Systems								
	APC Form 18, Baghouse/Fabric Filters								

(OVER)

	Section 4: Compliance Demonstration Forms	
		Total number of this form
	APC Form 19, Compliance Certification - Monitoring and Reporting - Description of Methods for Determining Compliance	1
	APC Form 20, Continuous Emissions Monitoring	
	APC Form 21, Portable Monitors	
	APC Form 22, Control System Parameters or Operating Parameters of a Process	
	APC Form 23, Monitoring Maintenance Procedures	
	APC Form 24, Stack Testing	
This application contains the following forms one form for each incinerator, printing operation, fuel burning installation, etc.):	APC Form 25, Fuel Sampling and Analysis	
,	APC Form 26, Record Keeping	1 - 9
	APC Form 27, Other Methods	
	APC Form 28, Emissions from Process Emissions Sources / Fuel Burning Installations / Incinerators	1
	APC Form 29, Emissions Summary for the Facility or for the Source Contained in This Application	1
	APC Form 30, Current Emissions Requirements and Status	1
	APC Form 31, Compliance Plan and Compliance Certification	1
	APC Form 32, Air Monitoring Network	

Section 5: Statement of Completeness and Certification of Compliance

I have reviewed this application in its entirety and to the best of my knowledge, and based on information and belief formed after reasonable inquiry, the statements and information contained in this application are true, accurate, and complete. I have provided all the information that is necessary for compliance purposes and this application consists of 21 pages and they are numbered from page 1 to 21. The status of this facility's compliance with all applicable air pollution control requirements, including the enhanced monitoring and compliance certification requirements of the Federal Clean Air Act, is reported in this application along with the methods to be used for compliance demonstration.

235-4442
ber with Area Code



TITLE V PERMIT APPLICATION FACILITY IDENTIFICATION

	SITEI	NFORMATION					
I. Organization's legal name			For	APC company point no.			
Koch Tenn., Inc.			APC				
2. Site name (if different from legal name)			Use	APC Log/Permit no.			
			Only				
3. Site address (St./Rd./Hwy.)			NAICS	or SIC Code			
1701 Needmore Road			2434				
City or distance to nearest town		p code	County r				
Whitesburg	37	891	Hamblen				
4. Site location (in Lat./Long) Latitude			Longitude				
36 17'35"N		83 09'17	7"W				
	INFORMATI	ON (RESPONS	IBLE OFFIC	IAL)			
5. Responsible official contact		Phone m	umber with area code				
Myron Nagurney			423-235	-4442			
6. Mailing address (St./Rd./Hwy.)			Fax num	ber with area code			
same as above							
Cîty	State Zip code		Email ad				
			myron@kochtenninc.com				
	TACT INFOR	RMATION (TEC	CHNICAL)				
7. Principal technical contact				umber with area code			
Myron Nagurney			423-235-4442				
8. Mailing address (St./Rd./Hwy.)			Fax number with area code				
same as above							
City	State	Zip code	Email address				
			myron@kochtenninc.com				
	NTACT INFO	DRMATION (BI	ILLING)				
11. Billing contact			Phonem	unber with area code			
Myron Nagurney			423-235	-4442			
12. Mailing address (St./Rd./Hwy.)			Fax numb	per with area code			
same as above		100					
City	State	Zip code	Email add	lress			
		myron@	kochtenninc.com				
	TYPE OF PE	RMIT REQUES	TED				
13. Permit requested for:				· · · · · · · · · · · · · · · · · · ·			
Initial application to operate:		Minor permit modification:					
Permit renewal to operate:			Significan	nt modification:			
Administrative pennit amendment:			Con	struction permit:			

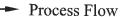
(OVER)

	HAZARDOUS AIR POLLUTANTS, DESIGNATIONS, AND OTHER PERMITS ASSOCIATED WITH FACILITY
14.	Is this facility subject to the provisions governing prevention of accidental releases of hazardous air contaminants contained in Chapter 1200-03-32 of the Tennessee Air Pollution Control regulations? Yes No
	If the answer is Yes, are you in compliance with the provisions of Chapter 1200-03-32 of the Tennessee Air Pollution Control regulations? Yes No
15.	If facility is located in an area designated as "Non-Attainment" or "Additional Control", indicate the pollutant(s) for the designation.
N/A	
16.	List all valid Air Pollution permits issued to the sources contained in this application [identify all permits with most recent permit numbers and emission source reference numbers listed on the permit(s)].
Perr	V Construction Permit nit Number: 978764 N: 32-0309-02 Wood Cabinet Flnishing and Coating Operation
	The second of th
17.	Page number: Date of revision:



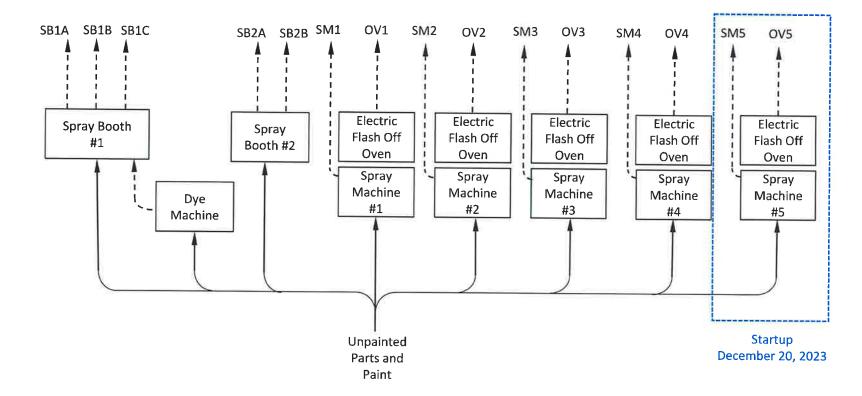
TITLE V PERMIT APPLICATION OPERATIONS AND FLOW DIAGRAMS

 Please list, identify, and describe briefly pro- flow diagram for this application. 	cess emission sources, fuel burning installations, and it	ncinerators that are contained in this application. Please attach a
02: Wood Cabinet Finishing a	nd Coating Operation	
List all <u>insignificant activities</u> which are exer	mpted because of size or production rate and cite the a	pplicable regulations.
3. Are there any storage piles?	YES NO	
4. List the states that are within 50 miles of your	r facility.	
KY, VA, NC		
5. Page number:	Revision Number:	Date of Revision:
	Revision runtoer.	Date of Revision.



---► Air Emissions

ALL TO ATM



Stack No.	SB1A	SB1B	SB1C	SB2A	SB2B	SM1	SM2	SM3	SM4	SM5	OV1	OV2	OV3	OV4	OV5
Stack Ht.	25′	25'	25′	25'	25'	28'	28'	28'	28'	28′	28'	28'	28'	28'	28'
Stack Dia.	2.5'	2.5′	2.5'	2.5′	2.5′	1.7'	1.7'	1.7'	1.7′	1.7'	1'	1"	1'	1′	1'
ACFM	7,500	7,500	7,500	7,500	7,500	3,800	3,800	3,800	3,800	3,800	2,000	2,000	2,000	2,000	2,000



Koch Tenn., Inc.
Source 02: Finishing and Coating Operation

Process Flow Diagram Revised: 11/16/2023



TITLE V PERMIT APPLICATION STACK IDENTIFICATION

	TION AND DESCRIPTION									
1. Facility name:										
Koch Tenn., Inc.										
2. Emission source (identify):	· ·									
02: Wood Cabinet Finishing and Coating Operation										
STACK DESCRIPTION										
3. Stack ID (or flow diagram point identification):										
OV5										
4. Stack height above grade in feet:										
28										
5. Velocity (data at exit conditions):	6. Inside dimensions at outlet in feet:									
42 (Actual feet per second)	1									
7. Exhaust flowrate at exit conditions (ACFM):	8. Flow rate at standard conditions (DSCFM):									
2,000	1,853									
9. Exhaust temperature:	10. Moisture content (data at exit conditions):									
	Grains per dry									
110	5 standard cubic									
Degrees Fahrenheit (°F)	Percent foot(gr./dsef.)									
11. Exhaust temperature that is equaled or exceeded during ninety (90) percent of	rmore of the operating time (<u>for stacks subject to diffusion equation only</u>):									
100 (°F)										
	2									
12. If this stack is equipped with continuous pollutant monitoring equipment requ	ired for compliance, what pollutant(s) does this equipment monitor (e.g., Opacity,									
SO_2 , NO_x , etc.)?										
N/A										
Complete the appropriate APC form(s) 4,5,7,8,9, or 10 for each source exh	austing through this stack.									
	K DES CRIPTION									
13. Do you have a bypass stack?										
	No									
If yes, describe the conditions which require its use & complete APC form 4	for the bypass stack. Please identify the stack number(s) of flow diagram point									
number(s) exhausting through this bypass stack.										
14. Page number: Revision Number:	Date of Revision:									
TO THE PROPERTY OF THE PROPERT	Date of Revision,									



TITLE V PERMIT APPLICATION STACK IDENTIFICATION

	CENEDAL IDENTIFICAL	TION AND DESCRIPTION										
1.	Facility name:	TION AND DESCRIPTION										
	ch Tenn., Inc.											
1	2. Emission source (identify):											
	02: Wood Cabinet Finishing and Coating Operation											
-												
3	STACK DES CRIPTION 3. Stack ID (or flow diagram point identification):											
	Salar Control of Contr											
SIVI	SM5											
4.	Stack height above grade in feet:											
28												
5.	Velocity (data at exit conditions):	6 Inside dimensions a substitution										
DEST.	28	6. Inside dimensions at outlet in feet:										
	(Actual feet per second)	1.7										
	Exhaust flowrate at exit conditions (ACFM):	8. Flow rate at standard conditions (DSCFM):										
3,80	00	3,800										
9.	Exhaust temperature:	Moisture content (data at exit conditions):										
		_ Grains per dry										
	68	5 standard cubic										
	Degrees Fahrenheit (°F)	Percent foot (gr./dscf.)										
11,00	Exhaust temperature that is equaled or exceeded during ninety (90) percent of	rmore of the operating time (for stacks subject to diffusion equation only):										
	68											
	(°F)											
12	If this stack is equipped with continuous pollutant											
	SO ₂ , NO _x , etc.)?	uired for compliance, what pollutant(s) does this equipment monitor (e.g., Opacity,										
N/A												
!	Complete the appropriate APC form(s) 4,5,7,8,9, or 10 for each source exh	austing through this stack.										
	BYPASS STACE	K DES CRIPTION										
13.	Do youhave a bypass stack?											
	Yes	No										
т												
ľ	r yes, describe the conditions which require its use & complete APC form 4 fumber(s) exhausting through this bypass stack.	for the bypass stack. Please identify the stack number(s) of flow diagram point										
14. 1	age number: Revision Number:	Date of Revision:										



TITLE V PERMIT APPLICATION PAINTING AND COATING OPERATIONS

				CENE			TON AND						
1.	Facility name: Koch Tenn., Inc			GEND	KAL IDE	NIFICA	TION AND I	JESCRIPI	ION				
2.	Process description: 32-0309-02:	Wood Cabine	t Finishing	and Coating	Operation								
3.	rear or construction or last modificat	110n: 2023					4. Stack	ID or flow	liagram poi	nt identifica	tion(s): Al	l source 02 stacks	
	If the emissions are controlled for compliance, attach an appropriate Air Pollution Control system form. If this printing operation is monitored for compliance, please attach the appropriate compliance demonstration form.												
5.	Normal operating schedule 24 Hrs./Day 7 Days/Wk. 365 Days/Yr.												
6.	Location of this operation in UTM coordinates: UTM Vertical: 36 17'35"N UTM Horizontal: 83 09'17"W												
7.													
	Specify oven fuels:												
8.	1 Otal maximum deal input to each oven.												
					COA	TINGS A	ND SOLVEN	TS			1-11		
9.	Complete the following table - Attack	h additional tal	oles as needed	– Fill in only	the items no	ecessary for	determinationo	f compliance	ewith emiss	ion standard	l(s).		
				Normal			mposition: Vo					D 1	
	Identify coatings	Maximum Usage		Usage	Solids		Solvents (VOCs)	Water		Exempt Solvent		Density of Solvent Fraction	Coating Density
		Gal/Hr.	Gal./Mo.	Gal./Mo.	Vol. %	Wt. %	Wt.%			Wt.	Lbs./Gal.	Lbs./Gal.	
	(See attached.)												
	Total coatings												
	List the Thinning Solvents used with t	he coatings ide	ntified above	.,					L				
	(1):												
	(2):												
	Clean-up solvents:												
	Other (specify):												
10.	Page number:	Re	vision Numb	er:	76		Date of Revi	sion:					



TITLE V PERMIT APPLICATION COMPLIANCE CERTIFICATION - MONITORING AND REPORTING DESCRIPTION OF METHODS USED FOR DETERMINING COMPLIANCE

All sources that are subject to 1200-03-09-.02(11) of the Tennessee Air Pollution Control Regulations are required to certify compliance with all applicable requirements by including a statement within the permit application of the methods used for determining compliance. This statement must include a description of the monitoring, recordkeeping, and reporting requirements and test methods. In addition, the application must include a schedule for compliance certification submittals during the permit term. These submittals must be no less frequent than annually and may need to be more frequent if specified by the underlying applicable requirement or the Technical Secretary.

rec	quirement or the Technical Secretary.	crited by the underlying applicable
	GENERAL IDENTIFICATION AND DESCRIPTION	
I,	Koch Tenn., Inc.	
2.	32-0309-02: Wood Cabinet Finishing an	nd Coating Operation
3.	Stack ID or flow diagram point identification(s): All source 02 stacks	
	METHODS OF DETERMINING COMPLIANCE	
4.	This source as described under Item #2 of this application will use the following method(s) for determining compliance with (and special operating conditions from an existing permit). Check all that apply and attach the appropriate form(s)	applicable requirements
	Continuous Emission Monitoring (CEM) - APC 20 Pollutant(s):	*
	Emission Monitoring Using Portable Monitors - APC 21 Pollutant(s):	
	Monitoring Control System Parameters or Operating Parameters of a Process - APC 22 Pollutant(s):	-
	Monitoring Maintenance Procedures - APC 23 Pollutant(s):	-
	Stack Testing - APC 24 Pollutant(s):	-
	Fuel Sampling & Analysis (FSA) - APC 25 Pollutant(s):	-
	Recordkeeping - APC 26 Pollutant(s): VOC, HAP	÷
	Other (please describe) - APC 27 Pollutant(s):	e e
5.	Compliance certification reports will be submitted to the Division according to the following schedule:	e) ====================================
	Start date: one year after permit issuance	
	And every 365 days thereafter.	Ø.
6.	Compliance monitoring reports will be submitted to the Division according to the following schedule:	
	Start date: six months after permit issuance	
	And every days thereafter,	
1.	Page number: Revision number: Date of revision:	



TITLE V PERMIT APPLICATION
COMPLIANCE DEMONSTRATION BY RECORDKEEPING

Recordkeeping shall be acceptable as a compliance demonstration method provided	ATION BY RECORDKEEPING vided that a correlation between the parameter value recorded and the applicable
requirement is established.	
1. Facility name:	TION AND DESCRIPTION 2. Stack ID or flow diagram point identification(s):
Koch Tenn., Inc.	All source 02 stacks
	7 III SOUTCE OZ STROKS
3. Emission source (identify):	
32-0309-02: Wood Cabinet Finishing and Coating Operation	
MONITORING AND RECO	RDKEEPING DESCRIPTION
4. Pollutant(s) or parameter being monitored:	
VOC and HAP	*
Material or parameter being monitored and recorded:	
Coating material usage and VOC and HAP content.	a a
6. Method of monitoring and recording:	
Records of the monthly and annual usage of each coating material a maintained.	and their associated VOC and HAP content/emissions will be
Compliance demonstration frequency (specify the frequency with which compliance)	liance will be demonstrated):
Monthly and annual records.	
8. Page number: Revision number:	Date of revision:



TITLE V PERMIT APPLICATION
EMISSIONS FROM PROCESS EMISSION SOURCE / FUEL BURNING INSTALLATION / INCINERATOR

	GENERAL	DENTIFICATION			ON / INCINERATOR
 Facility name: 		2.		or flow diagram point identificat:	ion(s):
Koch Tenn., Inc.		Al	l source 02	2 stacks	
3. Process emission source	ce / Fuel burning installation / Incine	rator(identify):			
32-0309-02; Wood Cabi	net Finishing and Coating Op	eration			
	EMISSIONS SUMMARY	Y TABLE - CRITE	RIA AND	FUGITIVE EMISSIONS	
4. Complete the following	g emissions summary for regulated a	ir pollutants. Fugitive	emissions sh	all be included. Attach calculation	ns and emission factor references.
	Maximum Allov	wable Emissions		Actual I	Emissions
Air Pollutant	Tons per Year	Reserved for St (Pounds per I Item 7, APC	lour -	Tons per Year	Reserved for State use (Pounds per Hour- Item 8, APC 30)
Particulate Matter (TSP)	46.56			46.56	
(Fugitive Emissions)					
Sulfur Dioxide					
(Fugitive Emissions)					
Volatile Organic Compounds	249			240	
(Fugitive Emissions)					
Carbon Monoxide					
(Fugitive Emissions)					
Lead					
(Fugitive Emissions)					
Nitrogen Oxides					
(Fugitive Emissions)					
Total Reduced Sulfur					
(Fugitive Emissions)					
Mercury					
Fugitive Emissions)					
		(Continued on nex	xt page)		

		(Continued from last page)		APC
AID DOLLAR STATE	Maximum Allo	wable Emissions	Actual	Emissions
AIR POLLUTANT	Tons per Year	Reserved for State use (Pounds per Hour - Item 7, APC 30)	Tons per Year	Reserved for State use (Pounds per Hour- Item 8, APC 30)
Asbestos				
(Fugitive Emissions)				
Beryllium				
(Fugitive Emissions)				
Vinyl Chloride				
(Fugitive Emissions)				
Fluorides				
(Fugitive Emissions)				11
Gaseous Fluorides				
(Fugitive Emissions)				
Greenhouse Gases in CO ₂ Equivalents				
EMIS	SSIONS SUMMARY TAR	BLE - FUGITIVE HAZARDO	OUS AIR POLITITANTS	
 Complete the following emission Attach calculations and emission 	is summary for regulated air no	llutants that are hazardous air poll	utant(s). Fugitive emissions sha	all be included.
	1			
Air Pollutant & CAS	Maximun	n Allowable Emissions	Actua	I Emissions
	Tons per Year	Reserved for State use (Pounds per Hour - Item 7, APC 30)	Tons per Year	Reserved for State use (Pounds per Hour- Item 8, APC 30)
Xylene	18.07		18.07	
Toluene	24.06		24.06	
Ethyl Benzene	2.59		2.59	
Methanol	7.20		7.20	
Cumene	1.11		1.11	
Naphthalene	0.25		0.25	
Methyl Isobutyl Ketone	0.14		0.14	
Formaldehyde	0.008		0.008	

6. Page number:

TOTAL HAP

53,43

Date of revision

53.43

Revision number:



TITLE V PERMIT APPLICATION EMISSION SUMMARY FOR THE FACILITY OR FOR THE SOURCES CONTAINED IN THIS APPLICATION

GENERAL IDENTIFICATION AND DESCRIPTION 1. Facility name: Koch Tenn., Inc. EMISSIONS SUMMARY TABLE - CRITERIA AND SELECTED POLLUTANTS 2. Complete the following emissions summary for regulated air pollutants at this facility or for the sources contained in this application. Summary of Maximum Allowable Emissions Summary of Actual Emissions Air Pollutant Reserved for State use Reserved for State use Tons per Year (Pounds per Hour-Tons per Year (Pounds per Hour-Item 4, APC 28) Item 4, APC 28) Particulate Matter (TSP) 70.95 70.95 Sulfur Dioxide 0.32 0.32 Volatile Organic Compounds 249 240.74 Carbon Monoxide 11.17 11.17 Lead 0.001 0.001 Nitrogen Oxides 9.97 9.97 Total Reduced Sulfur Mercury Asbestos Beryllium Vinyl Chlorides Fluorides Gaseous Fluorides Greenhouse Gases in 2,456 CO₂ Equivalents 2,456

(Continued on next page)

(Continued from previous page) EMISSIONS SUMMARY TABLE – HAZARDOUS AIR POLLUTANTS

Complete the following emissions summary for regulated air pollutants that are hazardous air pollutant(s) at this facility or for the sources contained in this application.

Air Dollutont 0 CAC	Summary of Max	imum Allowable Emissions	Summary o	f Actual Emissions
Air Pollutant & CAS	Tons per Year	Reserved for State use (Pounds per Hour- Item 5, APC 28)	Tons per Year	Reserved for State us (Pounds per Hour- Item 5, APC 28)
Total HAPs	53.43		53.43	
(See attached calculations				
for individual HAPs)				
				-
				1
Page number:	Revision num	ber:	Date of revision:	



TITLE V PERMIT APPLICATION CURRENT EMISSIONS REQUIREMENTS AND STATUS

		CURRENT EMISSIONS RI	EQUIREM	ENTS AND STATUS		
Facility name:		GENERAL IDENTIFICA	TION AND D	DESCRIPTION		H20 22 22
Koch Tenn., Inc. 3. Describe the process emiss	ion source / fuel burning in			on source number		- 111
02: Wood Cabinet F	inishing and Coa	ting Operation				
		EMISSIONS AND	REQUIREM	IFNTS		
 Identify if only a part of the source is subject to this requirement 	5. Pollutant	6. Applicable requirement(s): TN Air Polluti Regulations, 40 CFR, permit restrictions, air quality based standards	on Control	7. Limitation	8. Maximum actual emissions	9- Compliance statu (In/Out)
	VOC	TAPCR 1200-03-1802	2(2)	249 tpy	240 tpy	In
	PM	TAPCR 1200-03-0701	1(5)	10.63 lb/hr	10.63 lb/hr	Ín
	Visible Em.	TAPCR 1200-03-0501	1(1)	20%	20%	In
Other applicable requirements	s (new requirements that ap	ply to this source during the term of this permit)				
. Page number:						
. rage number:		Revision number:		Da	ate of revision:	



TITLE V PERMIT APPLICATION COMPLIANCE PLAN AND COMPLIANCE CERTIFICATION

GENERAL IDENTIFICATION AND DESCRIPTION	
I. Facility name: Koch Tenn., Inc.	
2. List all the process emission source(s) or fuel burning installation(s) or incinerator(s) that are part of this applicat	ion.
32-0309-02: Wood Cabinet Finishing and Coating Operation	
COMPLIANCE NAME OF THE PROPERTY	
COMPLIANCE PLAN AND CERTIFICATION 3. Indicate that source(s) which are contained in this application are presently in compliance with all applicable requ	
A. Attached is a statement of identification of the source(s) currently in compliance. We will contit to assure compliance with all the applicable requirements for the duration of the permit.	nue to operate and maintain the source(s)
B APC 30 form(s) includes new requirements that apply or will apply to the source(s) during the te requirements on a timely basis.	erm of the permit. We will meet such
4. Indicate that there are source(s) that are contained in this application which are not presently in full compliance, b	w checking both of the following:
N/A Attached is a statement of identification of the source(s) not in compliance, non-complying requi	
and the proposed solution.	rement(s), orier description of the problem,
N/A B. We will achieve compliance according to the following schedule:	
Action	Deadline
Dromess	
Progress reports will be submitted:	
Start date: and every 180 days thereafter until compliance is achieve	ed.
 State the compliance status with any applicable compliance assurance monitoring and compliance certification required section 114(a)(3) of the Clean Air Act as of the date of submittal of this APC 31. 	uirements that have been promulgated
Source is in compliance with all applicable permit requirements.	
paration an applicable permit requirements.	
Page number: Revision number: December	
6. Page number: Revision number: Date of a	revision:

KOCH TENN., INC.

	PM	NOx	SOx	co							HAZARDO	US AIR PO	DLLUTANTS				
Source	EMISSIONS (TPY)	EMISSIONS (TPY)	EMISSIONS (TPY)	EMISSIONS (TPY)	VOC EMISSIONS (TPY)	Xylene 1330-20-7 (TPY)	Toluene 108-88-3 (TPY)	Ethyl Benzene 100-41-4	Methanol 67-56-1 (TPY)	Curnene 98-82-8 (TPY)	Naphthalene 91-20-3 (TPY)	Methyr Isobutyl Kelane	Formaldehyde 50-00-0	Lead 7439-92-1	Chromium (TPY)	Coball (TPY)	Total HAP
02 - Wood Finishing	46.56							(TPY)	(4.17)	(ie)	(121)	108-10-1 (TPY)	(TPY)	(TPY)	(IPT)	l ` '	(TPY)
03 - Wood Working 1	14.37				240,00	18.07	24.08	2.59	7.20	1.11	0.25	0.14	0,008	-			
04 - Seasonal Boiler No. 2	4.89	2.58	340			- 1	**		22		-		0,000		0.0	0.0	53.43
Scuff Sander (insig)	4.75		0,29	7.03	0,20	- 1		-					-	(++)	- 44	227	_
Propane Heaters (insig)				**	-	122	-				/ Art.		-	0.001	-	20	0.001
	0.39	7.4	0.0	4.1	0.54	-		-	-	-	44	ap.	12			-	
Total	70.95	9,97	0.32	11,17	240.74		-	-					-				
				11.17	240.74	18.07	24.06	2.59	7.20	1.11	0.25	0.14	0.01	0.00	0.00	0.00	53.42

KOCH TENN., INC. Whitesburg, Tennessee Wood Finishing (ESRN 32-0309-02) PM Emission Calculations

hours of operation 8760

Flow Rate (ACFM)	Dia (ft)	Exit Velocity (ft/sec)	Exit Temp (F)	Moisture Content %	I Flow Rate	Exhaust PM Conc. (gr/dscf)	P lb/hr	M tpy
66500.0	2.5	225.9	80	5%	62005	0.02	10.63	46.56

1. ACFM based on the following flow rates:

SB1A, SB1B, SB1C, SB2A, SB2B - 7,500 acfm each SM1, SM2, SM3, SM4, SM5 - 3,800 acfm each OV1, OV2, OV3, OV4, OV5 - 2,000 acfm each

2. $lb/hr = dscfm \times 0.02 gr/dscf \times 60 min/hr / 7,000 gr/lb$

KOCH TENN., INC. Whitesburg, Tennessee Wood Finishing (ESRN 32-0309-02) VOC/HAP Emission Calculations

Hours of Operation 8760

MATERIA:	120.0	Annual	Donalty	Content	VOC		_	_		_		_			HAZARDO	US AIR POL	LUTANTS	_						_		
NWE	Product No.	(Gal)	(B) grafi	(% Weight)	Emissions (Ibe/yr)	Xylene 1330-20-7 (%)	X/6me 1330-20-7 (B)/41	Totuene 108-68-3 (%)	Tokiete 108-69-3 ((b/yr)	Ethyl Structure 100-41-4	Eihyl Benzene 100-41-4	Ustrand 67-56-1	Methanol 67-59-1	Current 10-62-6	Ourseys 10-62-8	Naphtheene 91-20-3	Naphtulinne \$1-20-3	Methyl trobunyl Kesona	Matryk Isobutyk Kezono	Foresaute 54	Formaldery	Cyonus	Chrismum	ras-unit	I	Tes
Golden Hickory Stain Mocha Stain	S64XXN10154	375	7.25	80.90%	2199.5		4500	2,5110	distant.	150	(Dyd)	(%)	(poli)	90	OR/A1	(%)	Dayry	198-19-1	108-10-1	50-00-0	50-00-0	(%)	(8/4)	Crimin (Jr)	Cosum (Sury)	C004
	S64XXN14023	375	7.37	68,00%		1,00%	77.2	0,00%	0,0	0.10%	2,7	0.00%	0.0	1.00%	27,2	2,00%	-	- 650	(more)	1769	30/7	12.211.2	1.14.74.5			
Java Stain	\$64XXN14666	375	6.37	90,90%	5879.4	0.00%	0.0	0,00%	0.0	0.10%	2.8	0.00%	0.0	0.00%	0.0		54,4	0,00%	.0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	111
Cordovan Stair	S64R15	0	7.10	76,10%	2314.7	0.00%	0,0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0,0	0.00%	0.0	0.00%	0.9	0.00%	0.0	2.3
/an Dyke Brown Glaze	SSEN11	50	7.72	62.50%	0.0	0.00%	0.0	0.00%	0,0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0,0	0.00%	0.0	0.00%	0.0	0.0
Srown Glaze	986XXN13805	50	8.80		242.8	0.00%	0.0	0.00%	0.0	0.00%	0.6	0.00%	0.0	0.00%	0.0	0.00%	6.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	7.0
Black Dye	\$61XXN13947	1050	6.73	51,90%	225.4	0.00%	0.0	0.00%	0.0	0.10%	0.4	0.00%	0.0	0.00%		0,00%	0.0	0.00%	5.0	0.00%	0.0	8.00%	0.0	0.00%	0.0	0.0
Brown Dye	S81XXN14183	1675	0.64	41.50%	2909.7	0.00%	4.0	11.00%	777.3	0.00%	0.0	5.00%	353.3	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.4
Purple Dive	\$61XXR14193	50		40,40%	4493.1	0.00%	0,0	12.00%	1334.6	0.00%	0.0	6.00%	667.3	0.00%	0.0	6.00%	0.0	0.00%	0,0	0.00%	0.0	0.00%	0.0	0.00%	0.0	1130
We Varnish	H66XXG13410	0	6.65	40,50%	134.7	0.00%	0.0	12,00%	33.9	0.00%	0.0	6.00%	20.0		0.6	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	2002
Vhite Varnish	H66XXW13411	17545	8.65	49,10%	0.0	8,00%	0.0	0.00%	0.0	1.00%	0.0	2.00%		0.00%	0.0	0,00%	0.0	0.00%	0.6	0.00%	0.0	0.00%	0.0	0.00%	0.0	
end Varnish	H66XXW14433		1,84	52.50%	\$1476.3	8,00%	12407.8	0.00%	0.0	1.00%	1551.0	2.00%	0.0	0.00%	0.0	0.00%	0.0	4/00%	0.0	0.00%	0.0	0.00%	0.0	0.00%		59.5
obque White Varnish	H66XXH13073	6030	8,65	47,40%	25295.2	8.00%	4265.2	0.00%	0.0	1.00%	533.7	2.00%	3102.0	0.00%	0.0	0,00%	9.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0,0
Back Varnish	H56R22	250	8.85	47,40%	1048.7	8.00%	177.0	0.00%	0.0	1,00%	22.1		1067.3	0.00%	0.0	6,00%	0.0	0,00%	0.0	0.05%	0.0	0.00%	0.0	0.00%	0.0	17060
aguer Thinner	K119-SW	1485	8,12	52.00%	6270.3	9.00%	1085.2	0.00%	0.0	2.00%	241.2	2.00%	44.3	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0		0.0	5870.
amish		20200	8,64	777,10%	106095.2	5.00%	0706.4	33.00%	44262.2	0.80%		2.00%	241.2	0.00%	0.0	5,00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	5.0	4700.0	0.0	245,4
atalvat	V84FL0027-27	16000	7,58	60.40%	72280.7	0,00%	0.0	0.00%	0.0	0.00%	1073.0	4.00%	5365,1	0,00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	6.0	6.00%	0.0	2005	0,0	1567.
and	V66V21	1655	8.01	59,30%	7861.1	0.00%	0.0	0.00%	0.0		0.0	0.00%	0,0	0.00%	0.0	0.00%	6.0	0.00%	0.0	0.00%	0.0	0.00%		0.00%	0.0	57406
lark Stain	A-2360	1250	5.93	90.00%	7796.3	16,00%	1396.0	15.00%	1299.4	0.00%	0.0	0.00%	0.0	5.00%	0.0	0.00%	0.0	2.00%	265.1	0.00%	0.0		0,0	0,00%	0.0	0.0
ledum Stain	\$64XXN10070	885	7.42	76.50%	5030.1	1.00%	65.7	0.00%		4.00%	346.5	5.00%	433.1	9.00%	0,0	0.00%	0.0	0.00%	0,0	0.00%		0.00%	0.6	△.00%	0.0	265.1
randymy Starr	S64XXN10619	525	7,43	91,30%	3554.6	1.00%	39.0	0.00%	9.0	0.10%	6.6	0.00%	0.0	1,00%	65.7	2.00%	131.3	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0,0	3465.
igmented Conversion Varnish, Java	\$64XXN13940	240	7.25	73,00%	1275.5	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	3.00%	117,0	6,00%	234.0	0.00%	0.0	0.00%	6.0	0.00%	0.9	0.00%		268.2
ding Stars, Stone	H66XXB15768	300	7,93	55,11%	1311.0	7,00%	166.5	0.00%	0.0	0.10%	1.7	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	6.0	0.00%	0.0	0.00%	0.0	390.1
igmented Conversion Varnish, pewter/log	S84XXA15710	30	7,21	82,56%	178.8	21,00%	45.4	0.00%	0.0	1.00%	22.8	2.00%	47.6	0,00%	0.0	0.00%	0.0	0.00%	0.6	0.00%		0.00%	0.0	0,00%	0.0	1.7
igmented Conversion Varnish, Ovster	H65XXA15770	3294	8.90	47,08%	13801.9	7,00%	2052.2		0.0	4.00%	6.7	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0,0	0.00%	0.0	9.00%	0.0	237,9
her-Wood Wiging Stain, Koch Spice	H66XXA15259	4674	8.85	47.34%	19584.1	8.00%	3309.2	0,00%	0.0	1.00%	293.7	2.00%	586.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	54.1
ortiol A-5255	S64XXN14053-4343	1500	59,6	65.42%	6555.0	0.00%	0.0	2,00%	0.0	1.00%	413.8	Z,00%	827.3	0.00%	0.0	0.00%	0.0	0.00%	0.0		0.0	0.00%	6.0	0.00%	0.0	7921
	A-5255	5596	6,92	09.60%	38570.9	0.00%	0.0	0.00%	0.0	0.10%	10,0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	4550.1
her-Wood Pigmented Conversion Varnish, Taupe her-Wood SB Stain, Koch Driffwood	H66XXN15155-4343	930	6.34	88,00%	6825.5	7,50%		0.00%	1.5	0,00%	0,0	0.48%	185.9	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	10.0
HENVOOD SE STAIN, ROCK UNITWOOD	\$64\$BN16222-4343	120	8.00	75.00%	8028	0.00%	581,7	0,00%	0.0	1,50%	118.3	2.50%	193.9	20.00%	1553.2	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0,0	6.00%	0.0	187.4
ner-Wood Premented Conversion Varnish, kraftmaid blue	H66XXL16562-4343	2445	8.09	60.00%	12461.1	6.47%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	3.50%	37.5	0.00%	0.0	0,10%	6.0	0.00%	0.0	0.00%	0,0	7449.2
ner-Wood Paymented Conversion Varnish, Nory	H66XXW16899-5232	2067	8.86	47,70%	8/56.3	8.00%	1279,7	0.00%	0.0	1.12%	221.5	2.34%	482.8	0.31%	61.3	0.00%	9.0	0.00%		0.00%	0.0	0.00%	0.0	0.00%	0.0	37.5
ter-Wood SB Stain, Koch Driftwood 05/11/18	S645BN17066-5232	405	8.33	66.30%	2236.7		1468,4	0.00%	0.0	1,00%	183.5	2.00%	367,1	0.15%	27.5	8.00%	9.0	0.00%	0.0	0.10%	7.9	0,000%	0.0	0.00%	0.0	2033.1
ner-Wood SB Stain, Koch Stone 05/11/18	\$61\$8A17065-5232	1020	7,02	73.10%	5005.3	2.00%	67.5	0.00%	0.0	0.00%	0.0	0.00%	0.0	3.00%	101.2	0.00%	0.0	0.00%	0.0	0.05%	2,1	0.00%	0.0	0.00%	0.0	2046.7
n-Reduced Catalyst, KOCH REDUCED CATALYST	V66XXV15749-5232	150	7.04	65.50%	902.9	2.00%	161.6	0,00%	0.0	0.00%	0.0	0.00%	0.0	3.00%	242.4	0.50%	45.5		0.0	0.00%	0.0	0.90%	0.0	0.00%	0.0	168.7
estryl Armil Ketone (MAK)	R6K30	625	6.76	100,00%	4225.0	0.00%	9,0	0.00%	0.0	0.00%	9.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	9.0	0.00%	0.0	0.00%	0,0	0.00%	0.0	437.4
Butyl Acetata	123-96-4	2500	7.30	100,00%		0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%		0.00%	0.0	0.00%		0,50%	9.5	0.00%	0.0	0.00%	0.0	0.00%	0.0	9.5
er-Wood Pigmented Conversion Vamish, Mediterranean	H86XXL17402-4343	250	6.26	51.50%	18329.2	0.00%	0.0	0,00%	0.0	0.00%	0.0	0.00%		0.00%	0.0	0.00%	0.0	4000,0	0.6	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.0
nor-Wood Dye Stain, Frontier Dye	S61XXN18910-4343	500	5.67	60,20%	1066.1	7.00%	144.9	0.00%	0.0	1,00%	20.7	2.00%		9,30%	6.2	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	0.0
er-Wood Pigmented Conversion Varnish, Dusk	H66XXA17618-4343	1125	9.67		1340.7	0.00%	0.0	12.00%	400.2	0.00%		6.00%	-12/1	0.00%	0.0		0.0	0.00%	0.0	0.00%	0.0	0.00%	0.0	9.00%	0.0	212.7
ANNUAL TOTAL (Rbs)	010-4343	97596	8-08	47.50%	4745.3	7.00%	995.3	0.00%	0.0	1.00%	1000000	2.00%		0.20%	20.0	0.00%	0,0	0.00%	0.0	0.00%	0.0	0.20%	6.7	0.00%	0.0	607.0
ANNUAL TOTAL (tors)		97395	-	Contract of the	480000.0	CONTRACTOR!	35140.0	02762551	48115.1	WILLIAM .	\$173.0	Acres 14	14105.6			0.00%	0.0	2.00%	0.6	0.00%	0.0	0.00%	0.0	0.00%	0.0	1019.0
HOURLY TOTAL (LBS)*	THE PERSON NAMED IN	_	and deciny on	SERVED THE THE	240.00	ENESCOND!	18.07	251670277	24.06	THE REAL PROPERTY.	2.50	THE PERSON	7.20	1000	2219.7	12.000	505.60	5300,000	274,64	201111111111111111111111111111111111111	15.95	8.20545	6.67	100000	0.00	106856.
	AND A STREET OF THE A	- 1		000010000000000000000000000000000000000	54.75		4.13		5.49		mark at	C-100		=3.74.S.17	1.11	P57 (0557)	0.25	- AT / CONT.	0.14	-	7.97E-03		3.34E-03	12721/170	0.00E+60	11/4626

KOCH TENN., INC. Product Specifications Emission Source 32-0309-02

	Product Name	Product No.	Density		Voc	Xylene	Xylane	Taluene	Taluene	Elhyl	Ethyl	Methanol	Methand	Cumena				Many	Matry		L	_	_		_
Service Property of the Control of t		103250000000	(lb/gal)	(%)		1330-20-7	#330-20-7	7 108-88-3		Benzene 100-41-4	Benzene 100-41-4				Cumena	Naphthalane 91-20-3	Nophihalane			Formaldulty	Formaldeny	Chromium	Chromium	Cohelt	Col
The content of the		SEATYMENTER	9.62	-			(ingai)	[70]	(lb/gal)	(%)		[%]	(lb/gal)	1%)					108-10-1	50-00-0	50-00-0			Compound	Comp
March Marc				80.905	5.87		0.07	0,00%	0.00	0.10%	0.01	0.00%	0.00	1.050	0.00			-061	(Deput)	(%)		(%)	(fb/gal)	(%)	(lb/s
SCHOOL STATE OF THE PROPERTY O		954XXN14023		58,007			0.00	0.00%	0.00										0.00	0.00%	0.00	0.00%	0.00	0.000	0
The control of the		SEADIE						0.00%	0.00										0.00	0.00%				0.00%	0.
SET COLUMN AND SET CO								0.00%	0.00										0.00	0.00%	0.00			0.00%	0.
Secondary 17 17 17 18 18 18 18 18									0.00	0.00%									0.00	0.00%	0.00	0.00%			0.
March Marc		S61XXN12047						0.00%				0.00%							0.00	0.00%		0.00%	0.00		
STATE STATE OF STATE		S61XXN14183						11.00%	0.74										0.00	0.00%			0.00		0
SERVICION - PROPERTIES 513 67 100 100 100 100 100 100 100 100 100 10		361XXP14103						12.00%	08.0										0.00	0.00%					0
Property				40.50%	2.69			12.00%									4100								
THE VALUE OF THE V								0.00%											0.00	0.00%					0
See Continue							0.69	0.00%	0.00									0.00%	0.00	0.00%					
Separation Sep	earl Varnish						0.71	0.00%										0.00%	0.00	0.00%		0.00%			0
Sec. Verbild								0.00%											0.00						
SEAST THEW Yes 15 15 15 15 15 15 15 1	lack Varnish						0.71	0.00%											0.00						0.
METAL MATERIAL MATERI	oquer Thirmer						0.73	0.00%	0.00								0.00	0.00%	0,00	0.00%					0.
### 1885 C. C. C. C. C. C. C. C	arnish	1014E1 0023 22					0.33	33.00%	2.19										0.00	0.00%					0.
PRINT STATE OF THE PRINT STATE O		V60724						0.00%									0.00		0.00						0
A Service Comment Vision, June 1849/1979 7 477 578 579 579 579 579 579 579 579 579 579 579							0,00							17.00%			0.00		0.00						D.
Tempor September Septemb														0.00%					0.16	0.00%					0.
## PROPRIES PROPRIES							0.07												0.00						0.
PRINCE SERVICE	edium Stain	SEAVANADERO					0.15	0.00%	0.00																- 0,
ABRIED SEXEMITY 178		C64777142040							0.00																0,
Proceeding																							-		0.
September Sept			7,20				0.22											0.00%	0.00						0.
### ASSO March Park March P	liping Stain, Stone						0.56												0.00						0.0
## March Command Variant, Parlet ## Miles Mi	gmented Conversion Varnish: powter/for						1.51	0.00%											0.00					0.00%	
Services Proceedings Process Process	gmented Conversion Varnish, Owler	HIGGARATS//U					0.62	0.00%										0.00%	0.00						0.0
Set Windows Stans Keen Seve	ter-Wood Plamented Conversion Varnish, Koch's Cocon.						0.71	0.00%										0.00%	0.00						0.0
## Artificial States 5.50	er-Wood Wiping Stain: Koch Spice					7.00%	0.56				0.09							0.00%					0.00		0.0
## Mode Demonstrate Visions - Bases #650000 #65000	rsol A-5255					0.00%								0.00%				0.00%	0.00				0.00		0.0
## Process State Noch Diffused State Noc	er-Wood Pigmented Conversion Varnish Taylor						0.00	0.004%					0.00						0.00						0.0
Services of Panelled Conversion Varieth, ked/martel bibble (Services Varieth, ked/martel bibble (Services Varieth, ked/martel bibble (Services Varieth, ked/martel bibble) (Services Varieth, ked/martel) (Services Varieth) (Services Vari	ser-Wood SB Stain, Kech Driftwood	00400014000000000000000000000000000000			7,34	7.50%	0.63	0.00%					0.03					0.00%	0.00						0.0
Set Service (Aug. 2017) Set Service (Aug. 201	er-Wood Pigmented Conversion Verniety Professionals No.	3043BN16222-4343			6,69	0.00%	0.00										0.00	0.00%	0.00						0.0
##WORD SET BLAN FROM DIFFERENCE CAPTERING VARIETY (1985) ##WORD SET BLAN FROM DIFFERENCE CAPTERING VARIETY (er-Wood SB Stain, Mocha	F60XAL18062-4343			5.10	5.47%	0.52	0.00%									0.31	0.00%	0.00	0.00%	0.00				0.0
### WYSEN SENSEN FOR S	er-Wood Pigmented Conversion Vereigh, types	30438N1614U-5232				6.00%	0.43	0.00%									0.00	0.00%	0.00						0.0
## WYOOD SESSIAN FOOL SESSIAN F	er-Wood SB Stain, Kech Diffwood 05/11/15						0.71	0.00%										0.00%	0.00	0.00%					0.0
Reference Conversion (Varies). MOENTREPUCED CATALYST VARXIVISTRESS32 7 34 68 50% 0.00 0.00% 0.00 0.	er-Wood SB Stain, Koch Stone 05/11/18						0.17												0.00	0.05%					
## Affective (MAX) ## RESIDO # FIT # 100,00% 0.00 0.00% 0.00	e-Reduced Caralyst, KOCH REDUCED CATALYST						0.16	0.00%											0.00	0.00%					0.0
Bishy Accepted 173-86-4 173	othyl Amyl Ketone (MAK)						0.00	0.00%	0.00										0.00	0.00%	0.00				0.0
### Web Papenhete Conversion Variety, Modiferrament History 17-23 0.00%	Butyl Acetate				6.76		0.00	0.00%											0.05	0.00%					0.0
Mathy Math							0.00	0.00%					-						0.00	0.00%					0.0
### WHAT SERVING SERVING PROOF WITH SERVING PROOF W	er-Wood SB Stain, JKGray (Silverwood)						0,58	0.00%											0.00	0.00%					
en-Wood SE Stains, Pecian Wise Stain	er-Wood SB Stain, Stone 50/50 Mix						0.00	0.00%				0.00%							0.00	0.00%					0.0
6:Wood De Stan, Fontier Dye SSHOWHT753-4343 SAG 97,205, 6-17 SON 0-17 SO	er-Wood SB Stain, Pecan Wipe Stain							0.00%			0.00	0.00%								0.00%					0.00
## Wood Dys Slain, Fronter Dys \$5100H1991-0433 \$67, 42 20% 2.58 0.00% 0.07 0.00% 0.00 0.00% 0.00 0.00% 0.00 0.00	er-Wood SB Stain, Sand	\$64\$9M/47252.4243							0.00																0.00
## FORM SE STAIN, Frontier Stain ## SECANTY 1874-1443 ## SE SE SCOW # 4,30 O.00% 0.00 0.	st-Wood Dye Stain, Frontier Dye	S21VVIII (010 404)						0.00%												0.00%					0.0
## Mode Pigmanted Conversion Variation, Dusk M6XXXX17619-4243 5,85 4,20 0,00% 0,00 0	er-Wood S8 Stain, Frontier Stain	CC/CDM/10910-4343					0.00												0.00	0.00%					0.0
Har Tone Finish Lacquer Matth Aerosal 102-0421	er-Wood Pigmented Conversion Vernish, Drud	D0-30H10/72-4343				0.00%	0.00											0.00%	0.00	0.00%					
Comput C	or Tone Finish Lacquer Matte Aerosol						0.62																		0.00
Settle Linguist Flammed Plant Acrossed 105-3869 71.05 71.00	ored Lacquer Enamel Antique White Aerosof					0,16%																		0.00%	
CODE Lacquer Enamed Elack Acroscol 105-3895 7,16 78,01% 5,55 0,00% 0,00 0,00% 0,00 0,00% 0,00 0,00	ored Lacquer Enamel Poarl Armsol					0.36%													0.00						0.0
Cord Lacquer Enamed Phile Aerosod (105-3895 6.86) 8.86 8.4.59% 5.79 0.00% 0.00 6.95% 0.00 5.00% 0.00 0.00% 0.00 0.00% 0.00 0.00						0.00%																			0.0
Control Linguist Plannet This Aerosol 105-3895 6.85 84.59% 5.79 0.00% 0.00 5.89% 0.37 0.01% 0.00 0.00% 0.00 0.0						0.98%																			0.00
105-3896 599 81,97% 5,73 0,00% 0,00 5,28% 0,37 0,07% 0,00% 0,00 0,00%	ored Lacquer Enamel White Annual						0.00												0.00						
105-388/F 7,14 79.41% 5.67 0.00% 0.00	ored Lacquer Enamel Ouster Apresol																0.00	0.00%							0.0
E Finish Toner Slove Aerosed 105-025 6.52 88.37% 5.65 0.00% 0.00 6.36% 0.42 0.07% 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	ored Lacquer Enamel Conna Aproval				5.67												0.00								0.0
81 Toner Javes Aeroscal 105-4027 6.46 8.66 08, 6.56 1.05 1.02% 6.72 6.47 8.66 08, 6.56 1.05 1.02% 6.40 6.40 6	e Finish Toner Stone Aerosol	105-4025				0.00%	0.00											0.00%	0.00	0.00%					0.0
Med_Linguist Fearmer Tauge Aerosol 105-4108 105-	sh Toner Java Aerosol	105-4026					0.07											0.00%		0.00%					0.0
Niveral SE Stain, Kech Almond SciSBIN (2304-143) 7.24 7.8 33% 5.64 0.90% 0.00 0.00% 0.00 0.	red Lacquer Enamel Touce Acrosol						0.07												0.00	0.00%					0.0
Note September	r-Wood SB Stain, Keen Almond					0.00%												0.00%							0.00
	-Wood SB Stain, Koch Brandy					0.00%											0,00	0.00%							0.0
- N/Good 38 Stain, Risweiths abone	-Wood SB Stain, Knoth Russet					0.00%											0.00	0.00%	0.00						0.0
Service Serv	-Wood SB Stain, hizwatha stone					0.00%												0,00%							
Martical Version Martical Ve	Kernyar 80 Cony, Varnish Foyball Green	004SBA16138-4343				0.00%																			0.00
#60WILLESS-794343 8.88 43.40% 3.85 0.00% 0.00% 0.00 0.00% 0.00 0.0		1042/2379 29287135				0.00%	0.00													0.00%					0.00
1. Pebble Serviyx117522 0.37 3.30% 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% 0.00% 0.00 0.00% 0.00 0.		H00WNL18352-794343				0.00%													0.00						0.00
SetVXX17584 8.01 1.10% 0.09 0.00% 0.00 0.00% 0.00 0.00% 0.00 0.00					0.28													0.00%							
Expressio SSUXXVI17094 8.49 0.02% 0.00 0.00% 0.00% 0.00% 0.00 0.00%				1.10%	0.09	0.00%												0.00%							0.00
S64WXN17338 7.23 570% 0.41 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% 0.0				0.02%													0.00								0.00
	A STATE OF THE STA	S64WXN17338	7.23	5.70%		0.00%																			0.00