MODIFICATION TO REGULATION 13 PERMIT R13-2315E FOR THE ELKINS CABINET PRODUCTION FACILITY

Prepared for:

Greenfield Cabinetry, LLC
888 Industrial Park Road
Elkins, West Virginia 26241

Prepared by:

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Project No. 0101-15-0013

May 2015

POTESTA

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SECTION I - III

GENERAL APPLICANT INFORMATION

WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF AIR QUALITY

601 57th Street, SE
Charleston, WV 25304
(304) 926-0475
www.dep.wv.gov/daq

APPLICATION FOR NSR PERMIT AND TITLE V PERMIT REVISION (OPTIONAL)

PLEASE CHECK ALL THAT APPLY TO **NSR (45CSR13)** (IF KNOWN):

☐ **CONSTRUCTION** ☒ **MODIFICATION** ☐ **RELOCATION**
☐ **CLASS I ADMINISTRATIVE UPDATE** ☐ **TEMPORARY**
☒ **CLASS II ADMINISTRATIVE UPDATE** ☐ **AFTER-THE-FACT**

PLEASE CHECK TYPE OF **45CSR30 (TITLE V)** REVISION (IF ANY):

☐ **ADMINISTRATIVE AMENDMENT** ☐ **MINOR MODIFICATION**
☐ **SIGNIFICANT MODIFICATION**

IF ANY BOX ABOVE IS CHECKED, INCLUDE TITLE V REVISION INFORMATION AS **ATTACHMENT S** TO THIS APPLICATION

FOR TITLE V FACILITIES ONLY: Please refer to "Title V Revision Guidance" in order to determine your Title V Revision options (Appendix A, "Title V Permit Revision Flowchart") and ability to operate with the changes requested in this Permit Application.

Section I. General

1. Name of applicant *(as registered with the WV Secretary of State's Office):*
Greenfield Cabinetry, LLC

2. Federal Employer ID No. ***(FEIN):***
55-0764154001

3. Name of facility *(if different from above):*
Elkins Cabinet Production Facility

4. The applicant is the:
☐ **OWNER** ☐ **OPERATOR** ☒ **BOTH**

5A. Applicant's mailing address:
888 Industrial Park Road, Elkins, West Virginia 26241

5B. Facility's present physical address:
Same

6. **West Virginia Business Registration.** Is the applicant a resident of the State of West Virginia? ☒ **YES** ☐ **NO**

➪ If **YES,** provide a copy of the **Certificate of Incorporation/Organization/Limited Partnership** (one page) including any name change amendments or other Business Registration Certificate as **Attachment A.**

➪ If **NO,** provide a copy of the **Certificate of Authority/Authority of L.L.C./Registration** (one page) including any name change amendments or other Business Certificate as **Attachment A.**

7. If applicant is a subsidiary corporation, please provide the name of parent corporation: Not Applicable

8. Does the applicant own, lease, have an option to buy or otherwise have control of the *proposed site?* ☒ **YES** ☐ **NO**

➪ If **YES,** please explain: Applicant owns the site.

➪ If **NO,** you are not eligible for a permit for this source.

9. Type of plant or facility (stationary source) to be **constructed, modified, relocated, administratively updated** or **temporarily permitted** (e.g., coal preparation plant, primary crusher, etc.): Cabinet production Facility

10. North American Industry Classification System **(NAICS)** code for the facility:
337110

11A. DAQ Plant ID No. (for existing facilities only):
083-00104

11B. List all current 45CSR13 and 45CSR30 (Title V) permit numbers associated with this process (for existing facilities only):
R13-2315E

All of the required forms and additional information can be found under the Permitting Section of DAQ's website, or requested by phone.

12A.

- ➪ For **Modifications, Administrative Updates** or **Temporary permits** at an existing facility, please provide directions to the *present location* of the facility from the nearest state road;
- ➪ For **Construction** or **Relocation permits,** please provide directions to the *proposed new site location* from the nearest state road. Include a **MAP** as **Attachment B**.

From US Route 33 E, take a right turn onto 11th Street. Follow 11th Street to the end, then turn left onto Industrial Park Road, then turn right into parking lot.

12.B. New site address (if applicable):	12C. Nearest city or town:	12D. County:
NA	Elkins	Randolph
12.E. UTM Northing (KM): 4,308.50	12F. UTM Easting (KM): 598.90	12G. UTM Zone: 17

13. Briefly describe the proposed change(s) at the facility:
See Attachment G. Increase in the volume of paint for surface coating operations and installation of an additional paint booth.

14A. Provide the date of anticipated installation or change: Proposed Equipment 2015 ➪ If this is an **After-The-Fact** permit application, provide the date upon which the proposed change did happen: NA	14B. Date of anticipated Start-Up if a permit is granted: September 2015

14C. Provide a **Schedule** of the planned **Installation** of/**Change** to and **Start-Up** of each of the units proposed in this permit application as **Attachment C** (if more than one unit is involved).

15. Provide maximum projected **Operating Schedule** of activity/activities outlined in this application:
Hours Per Day 10 Days Per Week 6 Weeks Per Year 52

16. Is demolition or physical renovation at an existing facility involved? ☐ **YES** ☒ **NO**

17. **Risk Management Plans.** If this facility is subject to 112(r) of the 1990 CAAA, or will become subject due to proposed changes (for applicability help see www.epa.gov/ceppo), submit your **Risk Management Plan (RMP)** to U. S. EPA Region III.

18. **Regulatory Discussion.** List all Federal and State air pollution control regulations that you believe are applicable to the proposed process *(if known)*. A list of possible applicable requirements is also included in Attachment S of this application (Title V Permit Revision Information). Discuss applicability and proposed demonstration(s) of compliance *(if known)*. Provide this information as **Attachment D.**

Section II. Additional attachments and supporting documents.

19. Include a check payable to WVDEP – Division of Air Quality with the appropriate **application fee** (per 45CSR22 and 45CSR13).

20. Include a **Table of Contents** as the first page of your application package.

21. Provide a **Plot Plan,** e.g. scaled map(s) and/or sketch(es) showing the location of the property on which the stationary source(s) is or is to be located as **Attachment E** (Refer to ***Plot Plan Guidance***) .
➪ Indicate the location of the nearest occupied structure (e.g. church, school, business, residence).

22. Provide a **Detailed Process Flow Diagram(s)** showing each proposed or modified emissions unit, emission point and control device as **Attachment F.**

23. Provide a **Process Description** as **Attachment G.**
➪ Also describe and quantify to the extent possible all changes made to the facility since the last permit review (if applicable).

All of the required forms and additional information can be found under the Permitting Section of DAQ's website, or requested by phone.

24. Provide **Material Safety Data Sheets (MSDS)** for all materials processed, used or produced as **Attachment H.**
➪ For chemical processes, provide a MSDS for each compound emitted to the air.

25. Fill out the **Emission Units Table** and provide it as **Attachment I.**

26. Fill out the **Emission Points Data Summary Sheet (Table 1 and Table 2)** and provide it as **Attachment J.**

27. Fill out the **Fugitive Emissions Data Summary Sheet** and provide it as **Attachment K.**

28. Check all applicable **Emissions Unit Data Sheets** listed below:

☐ Bulk Liquid Transfer Operations
☐ Chemical Processes
☐ Concrete Batch Plant
☐ Grey Iron and Steel Foundry
☐ Haul Road Emissions
☐ Hot Mix Asphalt Plant
☐ Incinerator
☐ Indirect Heat Exchanger
☐ Quarry
☐ Solid Materials Sizing, Handling and Storage Facilities
☐ Storage Tanks
☒ General Emission Unit, specify Paint Booths

Fill out and provide the **Emissions Unit Data Sheet(s)** as **Attachment L.**

29. Check all applicable **Air Pollution Control Device Sheets** listed below:

☐ Absorption Systems
☐ Adsorption Systems
☐ Afterburner
☐ Baghouse
☐ Condenser
☐ Electrostatic Precipitator
☐ Flare
☐ Mechanical Collector
☐ Wet Collecting System
☒ Other Collectors, specify Fiberglass Mat Filters

Fill out and provide the **Air Pollution Control Device Sheet(s)** as **Attachment M.**

30. Provide all **Supporting Emissions Calculations** as **Attachment N,** or attach the calculations directly to the forms listed in Items 28 through 31.

31. **Monitoring, Recordkeeping, Reporting and Testing Plans.** Attach proposed monitoring, recordkeeping, reporting and testing plans in order to demonstrate compliance with the proposed emissions limits and operating parameters in this permit application. Provide this information as **Attachment O.**

➢ Please be aware that all permits must be practically enforceable whether or not the applicant chooses to propose such measures. Additionally, the DAQ may not be able to accept all measures proposed by the applicant. If none of these plans are proposed by the applicant, DAQ will develop such plans and include them in the permit.

32. **Public Notice.** At the time that the application is submitted, place a **Class I Legal Advertisement** in a newspaper of general circulation in the area where the source is or will be located (See 45CSR§13-8.3 through 45CSR§13-8.5 and ***Example Legal Advertisement*** for details). Please submit the **Affidavit of Publication** as **Attachment P** immediately upon receipt.

33. **Business Confidentiality Claims.** Does this application include confidential information (per 45CSR31)?

☐ **YES** ☒ **NO**

➢ If **YES,** identify each segment of information on each page that is submitted as confidential and provide justification for each segment claimed confidential, including the criteria under 45CSR§31-4.1, and in accordance with the DAQ's ***"Precautionary Notice – Claims of Confidentiality"*** guidance found in the ***General Instructions*** as **Attachment Q.**

Section III. Certification of Information

34. **Authority/Delegation of Authority.** Only required when someone other than the responsible official signs the application. Check applicable **Authority Form** below:

☐ Authority of Corporation or Other Business Entity
☐ Authority of Governmental Agency
☐ Authority of Partnership
☐ Authority of Limited Partnership

Submit completed and signed **Authority Form** as **Attachment R.**

All of the required forms and additional information can be found under the Permitting Section of DAQ's website, or requested by phone.

35A. **Certification of Information.** To certify this permit application, a Responsible Official (per 45CSR§13-2.22 and 45CSR§30-2.28) or Authorized Representative shall check the appropriate box and sign below.

Certification of Truth, Accuracy, and Completeness

I, the undersigned ☐ **Responsible Official** / ☒ **Authorized Representative,** hereby certify that all information contained in this application and any supporting documents appended hereto, is true, accurate, and complete based on information and belief after reasonable inquiry I further agree to assume responsibility for the construction, modification and/or relocation and operation of the stationary source described herein in accordance with this application and any amendments thereto, as well as the Department of Environmental Protection, Division of Air Quality permit issued in accordance with this application, along with all applicable rules and regulations of the West Virginia Division of Air Quality and W.Va. Code § 22-5-1 et seq. (State Air Pollution Control Act). If the business or agency changes its Responsible Official or Authorized Representative, the Director of the Division of Air Quality will be notified in writing within 30 days of the official change.

Compliance Certification

Except for requirements identified in the Title V Application for which compliance is not achieved, I, the undersigned hereby certify that, based on information and belief formed after reasonable inquiry, all air contaminant sources identified in this application are in compliance with all applicable requirements.

SIGNATURE _____ *(Please use blue ink)* DATE: 5/12/15 *(Please use blue ink)*

35B. Printed name of signee: Timothy Clontz		35C. Title: Plant Manager
35D. E-mail: tclontz@greenfieldcabinetry.com	36E. Phone: (304) 637-2721	36F. FAX: (304) 637-2720
36A. Printed name of contact person (if different from above): Jonathan Riffle		36B. Title: Manufacturing IFO Supervisor
36C. E-mail: jonathanriffle@greenfieldcabinetry.com	36D. Phone: (304) 637-2721	36E. FAX: (304) 637-2720

PLEASE CHECK ALL APPLICABLE ATTACHMENTS INCLUDED WITH THIS PERMIT APPLICATION:

- ☒ **Attachment A: Business Certificate**
- ☒ **Attachment B: Map(s)**
- ☒ **Attachment C: Installation and Start Up Schedule**
- ☒ **Attachment D: Regulatory Discussion**
- ☒ **Attachment E: Plot Plan**
- ☒ **Attachment F: Detailed Process Flow Diagram(s)**
- ☒ **Attachment G: Process Description**
- ☒ **Attachment H: Material Safety Data Sheets (MSDS)**
- ☒ **Attachment I: Emission Units Table**
- ☒ **Attachment J: Emission Points Data Summary Sheet**
- ☐ **Attachment K: Fugitive Emissions Data Summary Sheet**
- ☒ **Attachment L: Emissions Unit Data Sheet(s)**
- ☒ **Attachment M: Air Pollution Control Device Sheet(s)**
- ☒ **Attachment N: Supporting Emissions Calculations**
- ☒ **Attachment O: Monitoring/Recordkeeping/Reporting/Testing Plans**
- ☒ **Attachment P: Public Notice**
- ☐ **Attachment Q: Business Confidential Claims**
- ☒ **Attachment R: Authority Forms**
- ☐ **Attachment S: Title V Permit Revision Information**
- ☒ **Application Fee**

Please mail an original and three (3) copies of the complete permit application with the signature(s) to the DAQ, Permitting Section, at the address listed on the first page of this application. Please DO NOT fax permit applications.

FOR AGENCY USE ONLY – IF THIS IS A TITLE V SOURCE:

- ☐ ***Forward 1 copy of the application to the Title V Permitting Group and:***
- ☐ ***For Title V Administrative Amendments:***
  - ☐ ***NSR permit writer should notify Title V permit writer of draft permit,***
- ☐ ***For Title V Minor Modifications:***
  - ☐ ***Title V permit writer should send appropriate notification to EPA and affected states within 5 days of receipt,***
  - ☐ ***NSR permit writer should notify Title V permit writer of draft permit.***
- ☐ ***For Title V Significant Modifications processed in parallel with NSR Permit revision:***
  - ☐ ***NSR permit writer should notify a Title V permit writer of draft permit,***
  - ☐ ***Public notice should reference both 45CSR13 and Title V permits,***
  - ☐ ***EPA has 45 day review period of a draft permit.***

All of the required forms and additional information can be found under the Permitting Section of DAQ's website, or requested by phone.

ATTACHMENT A

BUSINESS CERTIFICATE

WEST VIRGINIA
STATE TAX DEPARTMENT
BUSINESS REGISTRATION
CERTIFICATE

ISSUED TO:

GREENFIELD CABINETRY L L C
DBA SUMMIT PLACE
888 INDUSTRIAL PARK RD
ELKINS, WV 26241-3796

BUSINESS REGISTRATION ACCOUNT NUMBER: **1045-6140**

This certificate is issued on: **05/1/2015**

This certificate is issued by
the West Virginia State Tax Commissioner
in accordance with W.Va. Code § 11-12.

The person or organization identified on this certificate is registered
to conduct business in the State of West Virginia at the location above.

This certificate is not transferrable and must be displayed at the location for which issued

This certificate shall be permanent until cessation of the business for which the certificate of registration was granted or until it is suspended, revoked or cancelled by the Tax Commissioner.

Change in name or change of location shall be considered a cessation of the business and a new certificate shall be required.

TRAVELING/STREET VENDORS: Must carry a copy of this certificate in every vehicle operated by them. CONTRACTORS, DRILLING OPERATORS, TIMBER/LOGGING OPERATIONS. Must have a copy of this certificate displayed at every job site within West Virginia.

atL006 v.1
L0868993344

ATTACHMENT B

AREA MAP

POTESTA
Engineers and Environmental Consultants

7012 MacCorkle Avenue, S.E.
Charleston, West Virginia 5304
Phone: (304) 342-1400
Fax: (304) 343-9031

Elkins Cabinet Production Facility
Greenfield Cabinetry, LLC
Randolph County, West Virginia
Project No. 0101-15-0013

ATTACHMENT C

INSTALLATION AND STARTUP SCHEDUULE

ATTACHMENT C

INSTALLATION AND STARTUP SCHEDULE

This application is an update to the existing R13-2315E permit and for the physical installation of an additional spray booth. The proposed spray booth is expected to be installed/begin operation in September 2015. Additionally, the usage of coating is being updated to include increased usage and usage in the proposed spray booth.

ATTACHMENT D

REGULATORY DISCUSSION

ATTACHMENT D

REGULATORY DISCUSSION

The permit update requested in this application does not change the applicable regulatory requirements for this site. The facility is required to comply with the requirements contained in the applicable provisions of the following rules:

1. 45SCR2. §45-2-3.1 No person shall cause, suffer, allow, or permit emission of smoke and/or particulate matter into the open air from any fuel burning unit which is darker in shade or appearance than ten (10) percent opacity based on a six (6) minute block average.

2. 45CSR4. §45-4-3.1. No person shall cause, suffer, allow, or permit the discharge of air pollutants which cause or contribute to objectionable odor at any location occupied by the public.

3. CSR7. §45-7-4.1. No person shall cause, suffer, allow or permit particulate matter to be vented into the open air from any type source operation or duplicate source operation, or from all air pollution control equipment installed on any type source operation or duplicate source operation in excess of the quantity specified under the appropriate source operation type in Table 45-7A found at the end of this rule.

4. 45CSR13 requires the facility to operate within the limits of the permit and in accordance with the permit application.

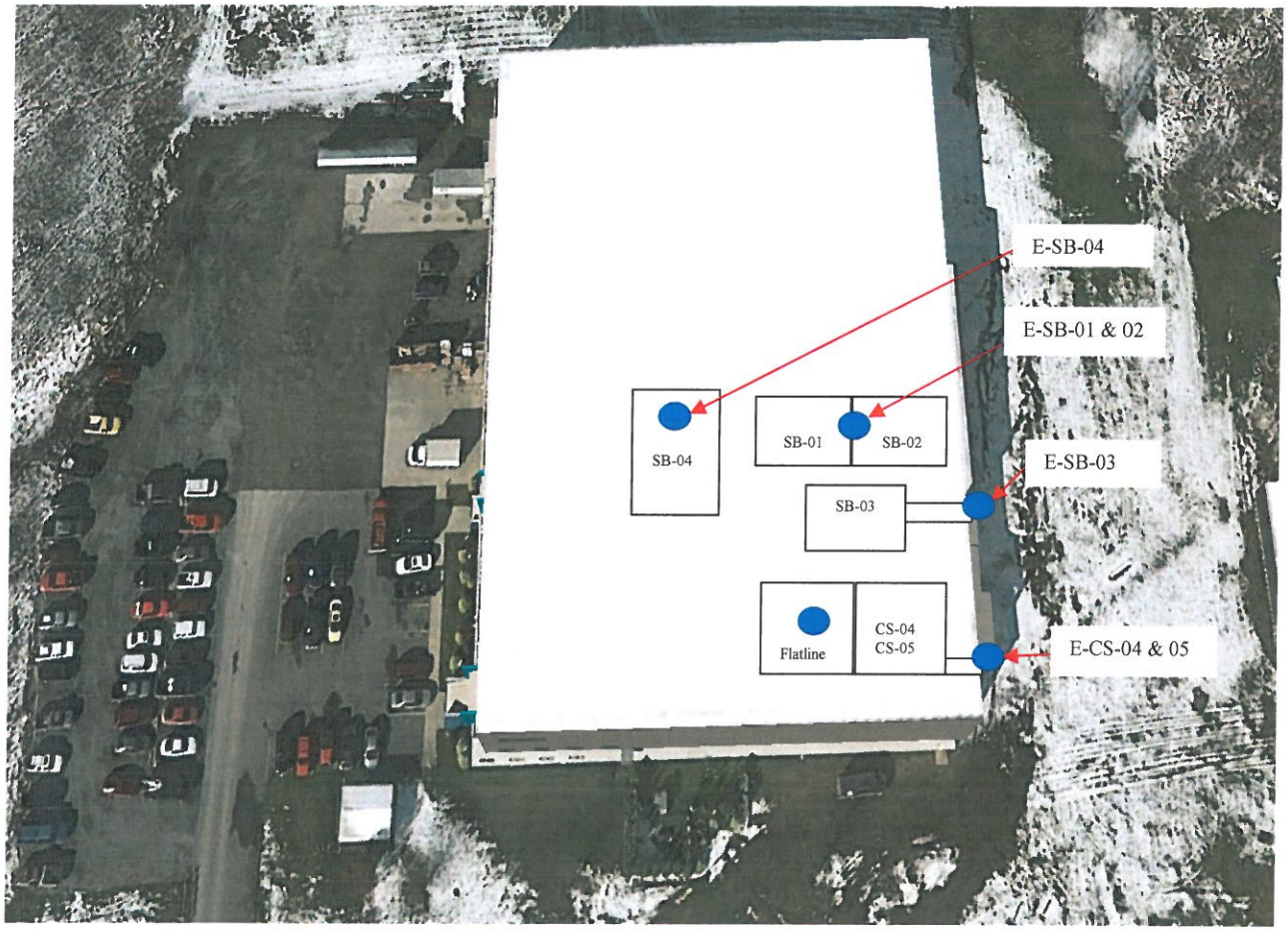
5. 45CSR22. §45-22-4.a. A certificate to operate shall be issued for the fiscal period July 1 through June 30 of each year or for any portion of such year remaining upon initial new source start-up.

6. 40CFR63 *Subpart JJ-National Emission Standards for Wood Furniture Manufacturing Operations.*

   The facility remains a synthetic minor source under the Subpart.

ATTACHMENT E

PLOT PLAN



POTESTA
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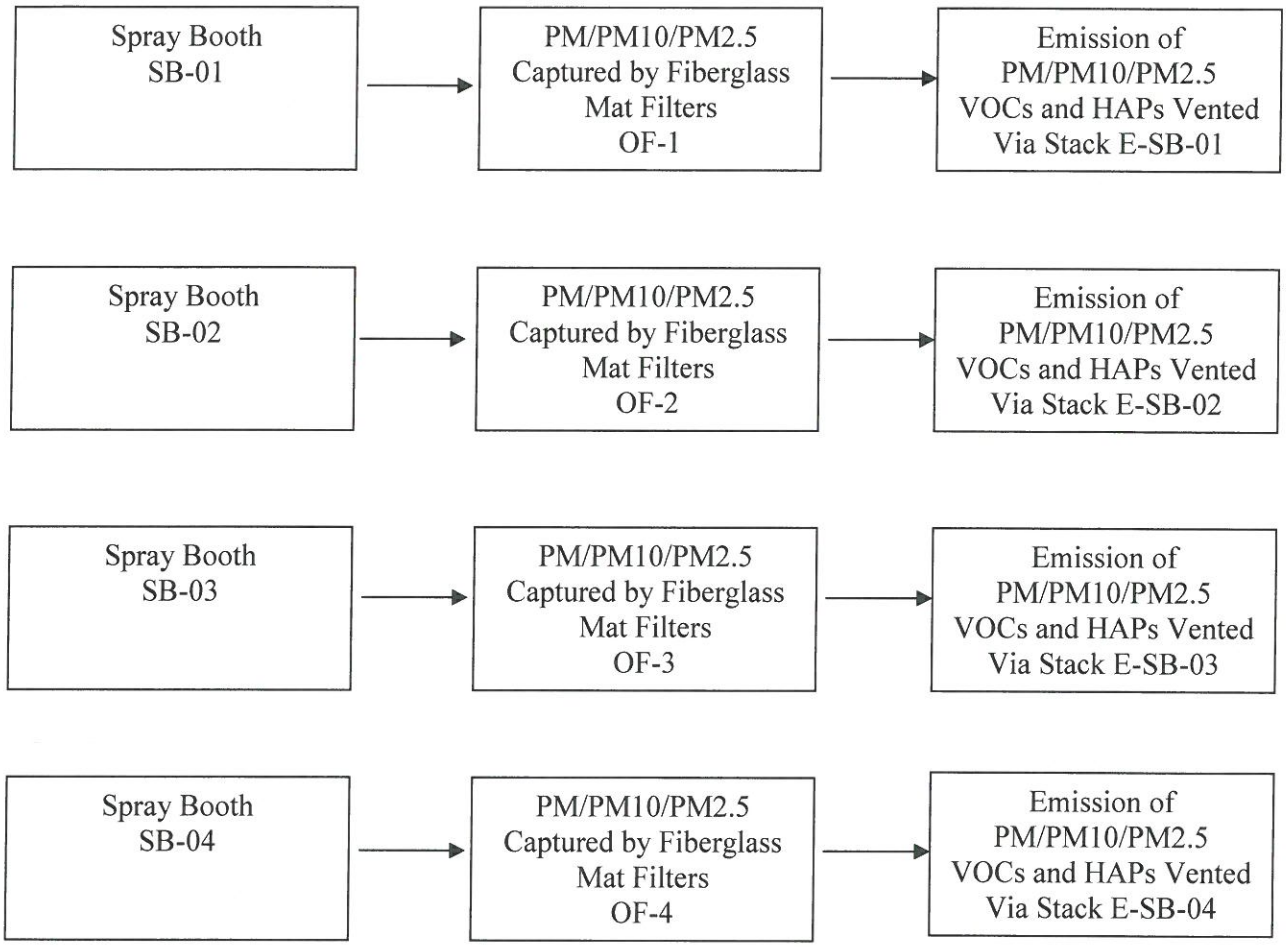
Elkins Cabinet Production Facility
Greenfield Cabinetry, LLC
Randolph County, West Virginia
Project No. 0101-15-0013

ATTACHMENT F

DETAILED PROCESS FLOW DIAGRAM



POTESTA
Engineers and Environmental Consultants
7012 MacCorkle Avenue, S.E
Charleston, West Virginia 25304
Phone: (304) 342-1400
Fax: (304) 343-9031

Process Flow Diagram
Elkins Cabinet Production Facility
Greenfield Cabinetry, LLC
Randolph County, West Virginia

ATTACHMENT G

PROCESS DESCRIPTION

ATTACHMENT G

PROCESS DESCRIPTION

Greenfield Cabinetry, LLC (GREENFIELD) is proposing to install a fourth fully contained spray booth for painting operations. In addition to the booth, GREENFIELD will also acquire a Model G40 spray gun and paint arrestors with a 99% efficiency to trap particulate matter. Currently, GREENFIELD uses three open spray booths equipped with fiberglass mat filters which trap particulate matter with a minimum efficiency of 82.5%. The spray booths each have a stack which emits into the atmosphere particulate matter (PM, PM10, and PM2.5), volatile organic compounds (VOCs), and Hazardous Air Pollutants (HAPs) during the surface coating process.

Brief History of the Site

The Elkins Cabinet Production Facility owned by GREENFIELD was established in 1999. The facility is located in the Randolph County Industrial Park within the city limits of Elkins in West Virginia. GREENFIELD's R13-2315 permit has had several revisions. Its current permit is R13-2315E issued on February 10, 2014. The reason for the last update was to modify the requirements related to the use of materials containing HAPs. The use of any material which contained a HAP not listed in Table A.3 required GREEENFIELD to notify and submit Material Safety and Data Sheet (MSDS) of the material to West Virginia Department of Environmental Protection (WVDEP). In the R13-2315E permit, the requirement for notification and submission of MSDS for the new material and the Table A.3 were removed.

Description of the Process

The facility manufactures both wall and floor cabinets. The site starts with woodworking and then coating of the assembled cabinets. The assembled cabinets are coated with a variety of varnishes, stains and sealers to impart the desired tint and finish. All coatings are applied in the four (4) spray booths designated as SB-01, SB-02, SB-03, and SB-04. Each spray booth has a built in fiberglass mat filter identified as OF-1, OF-2, OF-3, and OF-4. A single stack E-SB-01 - E-SB-02 evacuates booths SB-01 and SB-02, while stacks E-SB-03 and E-SB-04 evacuate booths SB-03 and SB-04 respectively. The coatings are applied manually using a High Volume Low Pressure (HVLP) spray gun. The fiberglass mat filters trap the particulate matter emitted from overspray generated in the spray booths.

Sources of Emissions – Emissions Estimate

The source of the emissions of particulate matter (PM, PM10, and PM2.5), VOCs and HAPs are the materials used to spray the cabinets. Emissions estimates for the application of surface coatings are based on the volume of the coating materials used in a designated period.

Particulate Matter (PM/PM10/PM2.5)

Particulate matter is emitted from the coating materials during spraying operations. The overspray in the spray booths is reduced through the use of the HVLP spraygun, depending on its transfer efficiency. The remaining overspray is removed from the spray booths by fiberglass mat filters with a minimum collection efficiency of 82.5% for SB-01-03 and 99% for SB-04. Any particulate matter that escapes from the filters is vented through the stack.

VOCs/HAPs

VOCs and HAPs emitted from the coating operations are based on the VOC/HAP percentage in the material being used to spray. It is assumed that all the VOCs and HAPs in the coatings volatilize and are emitted since there is no capture or control of the VOC/HAP emissions.

NOx and CO

There are no changes to the heat input of the boiler (B-01) that provides steam for the curing oven. Changes to the exhaust emissions are not anticipated.

ATTACHMENT I

EMISSION UNITS TABLE

Attachment I

Emission Units Table

(includes all emission units and air pollution control devices that will be part of this permit application review, regardless of permitting status)

Emission Unit ID[1]	Emission Point ID[2]	Emission Unit Description	Year Installed/ Modified	Design Capacity	Type[3] and Date of Change	Control Device
SB-01	E-SB-01	Surface Coating Booth and Cleanup	1999	NA	None	OF-1
SB-02	E-SB-02	Surface Coating Booth and Cleanup	1999	NA	None	OF-2
SB-03	E-SB-03	Surface Coating Booth and Cleanup	1999	NA	None	OF-3
SB-04	E-SB-04	Surface Coating Booth and Cleanup	2015	NA	New	OF-4

[1] For Emission Units (or Sources) use the following numbering system: 1S, 2S, 3S, or other appropriate designation.
[2] For Emission Points use the following numbering system: 1E, 2E, 3E, or other appropriate designation.
[3] New, modification, removal.

ATTACHMENT J

EMISSION POINTS DATA SUMMARY SHEET

Attachment J
EMISSION POINTS DATA SUMMARY SHEET

Table 1: Emissions Data

Emission Point ID No. *(Must match Emission Units Table & Plot Plan)*	Emission Point Type[1]	Emission Unit Vented Through This Point *(Must match Emission Units Table & Plot Plan)*		Air Pollution Control Device *(Must match Emission Units Table & Plot Plan)*		Vent Time for Emission Unit *(chemical processes only)*		All Regulated Pollutants - Chemical Name/CAS[3] *(Speciate VOCs & HAPS)*	Maximum Potential Uncontrolled Emissions[4]		Maximum Potential Controlled Emissions[5]		Emission Form or Phase *(At exit conditions, Solid, Liquid or Gas/Vapor)*	Est. Method Used[6]	Emission Concentration[7] (ppmv or mg/m^4)
		ID No.	Source	ID No.	Device Type	Short Term[2]	Max (hr/yr)		lb/hr	ton/yr	lb/hr	ton/yr			
E-SB-01	Vertical Stack	SB-01	Surface Coating Booth and Cleanup	OF-1	Filter	NA	NA	PM/PM10/PM2.5	5.39	16.94	0.94	2.96	Solid Gas Gas	AP-42	NA
E-SB-02	Vertical Stack	SB-02	Surface Coating Booth and Cleanup	OF-2	Filter	NA	NA	VOCs	38.73	87.62	38.73	87.62	Solid Gas Gas	AP-42	NA
E-SB-03	Vertical Stack	SB-03	Surface Coating Booth and Cleanup	OF-3	Filter	NA	NA	Total HAPS	6.54	6.94	6.54	6.94	Solid Gas Gas	AP-42	NA
E-SB-04	Vertical Stack	SB-04	Surface Coating Booth and Cleanup	OF-4	Filter			PM/PM10/PM2.5 VOCs Total HAPS	12.42 44.9 30.56		0.12 44.49 30.56		Solid Gas Gas	AP-42	NA

The EMISSION POINTS DATA SUMMARY SHEET provides a summation of emissions by emission unit. Note that uncaptured process emission unit emissions are not typically considered to be fugitive and must be accounted for on the appropriate EMISSIONS UNIT DATA SHEET and on the EMISSION POINTS DATA SUMMARY SHEET. Please note that total emissions from the source are equal to all vented emissions, all fugitive emissions, plus all other emissions (e.g. uncaptured emissions). Please complete the FUGITIVE EMISSIONS DATA SUMMARY SHEET for fugitive emission activities.

[1] Please add descriptors such as upward vertical stack, downward vertical stack, horizontal stack, relief vent, rain cap, etc.

[2] Indicate by "C" if venting is continuous. Otherwise, specify the average short-term venting rate with units, for intermittent venting (ie., 15 min/hr). Indicate as many rates as needed to clarify frequency of venting (e.g., 5 min/day, 2 days/wk).

[3] List all regulated air pollutants. Speciate VOCs, including all HAPs. Follow chemical name with Chemical Abstracts Service (CAS) number. **LIST** Acids, CO, CS_2, VOCs, H_2S, Inorganics, Lead, Organics, O_3, NO, NO_2, SO_2, SO_3, all applicable Greenhouse Gases (including CO_2 and methane), etc. **DO NOT LIST** H_2, H_2O, N_2, O_2, and Noble Gases.

[4] Give maximum potential emission rate with no control equipment operating. If emissions occur for less than 1 hr, then record emissions per batch in minutes (e.g. 5 lb VOC/20 minute batch).

[5] Give maximum potential emission rate with proposed control equipment operating. If emissions occur for less than 1 hr, then record emissions per batch in minutes (e.g. 5 lb VOC/20 minute batch).

[6] Indicate method used to determine emission rate as follows: MB = material balance; ST = stack test (give date of test); EE = engineering estimate; O = other (specify).

[7] Provide for all pollutant emissions. Typically, the units of parts per million by volume (ppmv) are used. If the emission is a mineral acid (sulfuric, nitric, hydrochloric or phosphoric) use units of milligram per dry cubic meter (mg/m^3) at standard conditions (68 °F and 29.92 inches Hg) (see 45CSR7). If the pollutant is SO_2, use units of ppmv (See 45CSR10).

Attachment J

EMISSION POINTS DATA SUMMARY SHEET

Table 2: Release Parameter Data								
Emission Point ID No. *(Must match Emission Units Table)*	Inner Diameter (ft.)	Exit Gas			Emission Point Elevation (ft)		UTM Coordinates (km)	
		Temp. (°F)	Volumetric Flow [1] (acfm) *at operating conditions*	Velocity (fps)	Ground Level *(Height above mean sea level)*	Stack Height [2] *(Release height of emissions above ground level)*	Northing	Easting
E-SB-01	NA	NA	NA	NA	NA	NA	4,308.50	598.50
E-SB-02	NA	NA	NA	NA	NA	NA	4,308.50	598.50
E-SB-03	NA	NA	NA	NA	NA	NA	4,308.50	598.50
E-SB-04	NA	NA	NA	NA	NA	NA	4,308.50	598.50

ATTACHMENT L

EMISSION UNIT DATA SHEETS

Attachment L
EMISSIONS UNIT DATA SHEET
GENERAL

To be used for affected sources other than asphalt plants, foundries, incinerators, indirect heat exchangers, and quarries.

Identification Number (as assigned on *Equipment List Form*): For each of the booths SB-01-03

1. Name or type and model of proposed affected source: Surface Coating Booth - Autobody Toolmart Model 8578 12' x 7' x 7'.
2. On a separate sheet(s), furnish a sketch(es) of this affected source. If a modification is to be made to this source, clearly indicated the change(s). Provide a narrative description of all features of the affected source which may affect the production of air pollutants.
3. Name(s) and maximum amount of proposed process material(s) charged per hour: Wall and Floor Cabinets for painting.
4. Name(s) and maximum amount of proposed material(s) produced per hour: Wall and Floor Cabinets for painting. Maximum use of paint 7.84 gallons/hour.
5. Give chemical reactions, if applicable, that will be involved in the generation of air pollutants: NA

* The identification number which appears here must correspond to the air pollution control device identification number appearing on the *List Form*.

6. Combustion Data (if applicable): NA

(a) Type and amount in appropriate units of fuel(s) to be burned:

NA

(b) Chemical analysis of proposed fuel(s), excluding coal, including maximum percent sulfur and ash:

NA

(c) Theoretical combustion air requirement (ACF/unit of fuel):

NA @ NA °F and NA psia.

(d) Percent excess air: NA

(e) Type and BTU/hr of burners and all other firing equipment planned to be used:

NA

(f) If coal is proposed as a source of fuel, identify supplier and seams and give sizing of the coal as it will be fired:

NA

(g) Proposed maximum design heat input: NA $\times 10^6$ BTU/hr.

7. Projected operating schedule:

Hours/Day	24	Days/Week	7	Weeks/Year	52

8. Projected amount of pollutants that would be emitted from this affected source if no control devices were used:

@ NA °F and NA psia

a.	NO_X		lb/hr		grains/ACF
b.	SO_2		lb/hr		grains/ACF
c.	CO		lb/hr		grains/ACF
d.	PM_{10}	5.39	lb/hr	NA	grains/ACF
e.	Hydrocarbons		lb/hr		grains/ACF
f.	VOCs	38.73	lb/hr	NA	grains/ACF
g.	Pb		lb/hr		grains/ACF
h.	Specify other(s)				
	Total HAPS (See Calculations)	6.54	lb/hr	NA	grains/ACF
			lb/hr		grains/ACF
			lb/hr		grains/ACF
			lb/hr		grains/ACF

NOTE: (1) An Air Pollution Control Device Sheet must be completed for any air pollution device(s) used to control emissions from this affected source.

(2) Complete the Emission Points Data Sheet.

9. Proposed Monitoring, Recordkeeping, Reporting, and Testing
Please propose monitoring, recordkeeping, and reporting in order to demonstrate compliance with the proposed operating parameters. Please propose testing in order to demonstrate compliance with the proposed emissions limits.

MONITORING	RECORDKEEPING
Monitoring shall be conducted as stated in the existing permit.	Recordkeeping shall be conducted as stated in the existing permit.
REPORTING	**TESTING**
Reporting shall be conducted as stated in the existing permit.	Testing shall be conducted as stated in the existing permit.

MONITORING. PLEASE LIST AND DESCRIBE THE PROCESS PARAMETERS AND RANGES THAT ARE PROPOSED TO BE MONITORED IN ORDER TO DEMONSTRATE COMPLIANCE WITH THE OPERATION OF THIS PROCESS EQUIPMENT OPERATION/AIR POLLUTION CONTROL DEVICE.

RECORDKEEPING. PLEASE DESCRIBE THE PROPOSED RECORDKEEPING THAT WILL ACCOMPANY THE MONITORING.

REPORTING. PLEASE DESCRIBE THE PROPOSED FREQUENCY OF REPORTING OF THE RECORDKEEPING.

TESTING. PLEASE DESCRIBE ANY PROPOSED EMISSIONS TESTING FOR THIS PROCESS EQUIPMENT/AIR POLLUTION CONTROL DEVICE.

10. Describe all operating ranges and maintenance procedures required by Manufacturer to maintain warranty

None

Attachment L
EMISSIONS UNIT DATA SHEET
GENERAL

To be used for affected sources other than asphalt plants, foundries, incinerators, indirect heat exchangers, and quarries.

Identification Number (as assigned on *Equipment List Form*): For booth number 4 (SB-04)

1. Name or type and model of proposed affected source: Surface Coating Booth (Cross Flow Paint Booth).
2. On a separate sheet(s), furnish a sketch(es) of this affected source. If a modification is to be made to this source, clearly indicated the change(s). Provide a narrative description of all features of the affected source which may affect the production of air pollutants.
3. Name(s) and maximum amount of proposed process material(s) charged per hour: Wall and Floor Cabinets for painting.
4. Name(s) and maximum amount of proposed material(s) produced per hour: Wall and Floor Cabinet painting. Maximum use of paint 5.63 gallons/hour.
5. Give chemical reactions, if applicable, that will be involved in the generation of air pollutants: NA

* The identification number which appears here must correspond to the air pollution control device identification number appearing on the *List Form*.

6. Combustion Data (if applicable): NA - Electric

(a) Type and amount in appropriate units of fuel(s) to be burned:

NA

(b) Chemical analysis of proposed fuel(s), excluding coal, including maximum percent sulfur and ash:

NA

(c) Theoretical combustion air requirement (ACF/unit of fuel):

NA @ NA °F and NA psia.

(d) Percent excess air:

(e) Type and BTU/hr of burners and all other firing equipment planned to be used:

NA

(f) If coal is proposed as a source of fuel, identify supplier and seams and give sizing of the coal as it will be fired:

NA

(g) Proposed maximum design heat input: $\times 10^6$ BTU/hr.

7. Projected operating schedule:

Hours/Day	24	Days/Week	7	Weeks/Year	52

8. Projected amount of pollutants that would be emitted from this affected source if no control devices were used:

@ NA °F and NA psia

a. NO_X		lb/hr	grains/ACF
b. SO_2		lb/hr	grains/ACF
c. CO		lb/hr	grains/ACF
d. PM_{10}	16.78	lb/hr	grains/ACF
e. Hydrocarbons		lb/hr	grains/ACF
f. VOCs	44.49	lb/hr	grains/ACF
g. Pb		lb/hr	grains/ACF
h. Specify other(s)			
Total HAPS (See calculations)	30.56	lb/hr	grains/ACF
		lb/hr	grains/ACF
		lb/hr	grains/ACF
		lb/hr	grains/ACF

NOTE: (1) An Air Pollution Control Device Sheet must be completed for any air pollution device(s) used to control emissions from this affected source.

(2) Complete the Emission Points Data Sheet.

9. Proposed Monitoring, Recordkeeping, Reporting, and Testing
Please propose monitoring, recordkeeping, and reporting in order to demonstrate compliance with the proposed operating parameters. Please propose testing in order to demonstrate compliance with the proposed emissions limits.

MONITORING	RECORDKEEPING
No additional proposed.	No additional proposed.
REPORTING	**TESTING**
No additional proposed.	No additional proposed.

MONITORING. PLEASE LIST AND DESCRIBE THE PROCESS PARAMETERS AND RANGES THAT ARE PROPOSED TO BE MONITORED IN ORDER TO DEMONSTRATE COMPLIANCE WITH THE OPERATION OF THIS PROCESS EQUIPMENT OPERATION/AIR POLLUTION CONTROL DEVICE.

RECORDKEEPING. PLEASE DESCRIBE THE PROPOSED RECORDKEEPING THAT WILL ACCOMPANY THE MONITORING.

REPORTING. PLEASE DESCRIBE THE PROPOSED FREQUENCY OF REPORTING OF THE RECORDKEEPING.

TESTING. PLEASE DESCRIBE ANY PROPOSED EMISSIONS TESTING FOR THIS PROCESS EQUIPMENT/AIR POLLUTION CONTROL DEVICE.

10. Describe all operating ranges and maintenance procedures required by Manufacturer to maintain warranty

None

ATTACHMENT M

AIR POLLUTION CONTROL DEVICE SHEET

ATTACHMENT M
Air Pollution Control Device Sheet

(OTHER COLLECTORS)Control Device ID No. (must match List Form): Filters OF-1-3

Equipment Information

1. Manufacturer: Freudenburg Filtration Technologies Model No. Viledon 200 Series	2. Control Device Name: Fabric Filter Type: NA
3. Provide diagram(s) of unit describing capture system with duct arrangement and size of duct, air volume, capacity, horsepower of movers. If applicable, state hood face velocity and hood collection efficiency.	
4. On a separate sheet(s) supply all data and calculations used in selecting or designing this collection device.	
5. Provide a scale diagram of the control device showing internal construction.	
6. Submit a schematic and diagram with dimensions and flow rates.	
7. Guaranteed minimum collection efficiency for each pollutant collected: 82.5%	
8. Attached efficiency curve and/or other efficiency information.	
9. Design inlet volume NA SCFM	10. Capacity: NA
11. Indicate the liquid flow rate and describe equipment provided to measure pressure drop and flow rate, if any. NA	
12. Attach any additional data including auxiliary equipment and operation details to thoroughly evaluate the control equipment.	
13. Description of method of handling the collected material(s) for reuse of disposal. Filters are disposed of and replaced on an as needed basis.	

Gas Stream Characteristics

14. Are halogenated organics present?	☒ Yes	☐ No
Are particulates present?	☒ Yes	☐ No
Are metals present?	☒ Yes	☐ No

15. Inlet Emission stream parameters:	Maximum	Typical
Pressure (mmHg):	NA	
Heat Content (BTU/scf):		
Oxygen Content (%):		
Moisture Content (%):		
Relative Humidity (%):		

16. Type of pollutant(s) controlled: ☐ SO_x ☐ Odor ☒ Particulate (type): ☐ Other	
17. Inlet gas velocity:	18. Pollutant specific gravity: Varies
19. Gas flow into the collector: Variable	20. Gas stream temperature: Ambient Inlet: °F Outlet: °F
21. Gas flow rate: Design Maximum: ACFM Average Expected: ACFM	22. Particulate Grain Loading in grains/scf: Inlet: Outlet:

23. Emission rate of each pollutant (specify) into and out of collector:

Pollutant	IN Pollutant		Emission Capture Efficiency %	OUT Pollutant		Control Efficiency %
	lb/hr	grains/acf		lb/hr	grains/acf	
PM/PM10/PM2.5	5.39		100	0.94		82.5
			100			82.5
D						
E						

24. Dimensions of stack: Height discharge from ground level Diameter ft.

25. Supply a curve showing proposed collection efficiency versus gas volume from 25 to 130 percent of design rating of collector.

Particulate Distribution

26. Complete the table: NA	Particle Size Distribution at Inlet to Collector	Fraction Efficiency of Collector
Particulate Size Range (microns)	**Weight % for Size Range**	**Weight % for Size Range**
0 – 2		See Attached Test Report
2 – 4		
4 – 6		
6 – 8		
8 – 10		
10 – 12		
12 – 16		
16 – 20		
20 – 30		
30 – 40		
40 – 50		
50 – 60		
60 – 70		
70 – 80		
80 – 90		
90 – 100		
>100		

27. Describe any air pollution control device inlet and outlet gas conditioning processes (e.g., gas cooling, gas reheating, gas humidification): NA

28. Describe the collection material disposal system: NA

29. Have you included ***Other Collectores Control Device*** in the Emissions Points Data Summary Sheet?

30. **Proposed Monitoring, Recordkeeping, Reporting, and Testing**
Please propose monitoring, recordkeeping, and reporting in order to demonstrate compliance with the proposed operating parameters. Please propose testing in order to demonstrate compliance with the proposed emissions limits.

MONITORING: None Proposed.	RECORDKEEPING: None Proposed.
REPORTING: None Proposed.	TESTING: None Proposed.

MONITORING:	Please list and describe the process parameters and ranges that are proposed to be monitored in order to demonstrate compliance with the operation of this process equipment or air control device.
RECORDKEEPING:	Please describe the proposed recordkeeping that will accompany the monitoring.
REPORTING:	Please describe any proposed emissions testing for this process equipment on air pollution control device.
TESTING:	Please describe any proposed emissions testing for this process equipment on air pollution control device.

31. Manufacturer's Guaranteed Control Efficiency for each air pollutant.

82.5% for particulate.

32. Manufacturer's Guaranteed Control Efficiency for each air pollutant.

82.5% for particulate.

33. Describe all operating ranges and maintenance procedures required by Manufacturer to maintain warranty.

Replace filters as needed.

Air Pollution Control Device Sheet

(OTHER COLLECTORS)Control Device ID No. (must match List Form): Filter OF-4

Equipment Information

1. Manufacturer: Research Products or equivalent Model No. Series 3400 or equivalent	2. Control Device Name: Fabric Filter Type: NA
3. Provide diagram(s) of unit describing capture system with duct arrangement and size of duct, air volume, capacity, horsepower of movers. If applicable, state hood face velocity and hood collection efficiency.	
4. On a separate sheet(s) supply all data and calculations used in selecting or designing this collection device.	
5. Provide a scale diagram of the control device showing internal construction.	
6. Submit a schematic and diagram with dimensions and flow rates.	
7. Guaranteed minimum collection efficiency for each pollutant collected: 99%	
8. Attached efficiency curve and/or other efficiency information.	
9. Design inlet volume NA SCFM	10. Capacity: NA
11. Indicate the liquid flow rate and describe equipment provided to measure pressure drop and flow rate, if any. NA	
12. Attach any additional data including auxiliary equipment and operation details to thoroughly evaluate the control equipment.	
13. Description of method of handling the collected material(s) for reuse of disposal. Filters are disposed of and replaced on an as needed basis.	

Gas Stream Characteristics

14. Are halogenated organics present?	☒ Yes	☐ No
Are particulates present?	☒ Yes	☐ No
Are metals present?	☒ Yes	☐ No

15. Inlet Emission stream parameters:	Maximum	Typical
Pressure (mmHg):	NA	
Heat Content (BTU/scf):		
Oxygen Content (%):		
Moisture Content (%):		
Relative Humidity (%):		

16. Type of pollutant(s) controlled: ☐ SO_x ☐ Odor ☒ Particulate (type): ☐ Other	
17. Inlet gas velocity:	18. Pollutant specific gravity: Varies
19. Gas flow into the collector: Variable	20. Gas stream temperature: Ambient Inlet: °F Outlet: °F
21. Gas flow rate: Design Maximum: ACFM Average Expected: ACFM	22. Particulate Grain Loading in grains/scf: Inlet: Outlet:

23. Emission rate of each pollutant (specify) into and out of collector:

Pollutant	IN Pollutant		Emission Capture Efficiency %	OUT Pollutant		Control Efficiency %
	lb/hr	grains/acf		lb/hr	grains/acf	
PM/PM10/PM2.5	12.42		100	0.12		99
			100			99

24. Dimensions of stack: Height discharge from ground level Diameter ft.

25. Supply a curve showing proposed collection efficiency versus gas volume from 25 to 130 percent of design rating of collector.

Particulate Distribution

26. Complete the table: NA

Particulate Size Range (microns)	Particle Size Distribution at Inlet to Collector Weight % for Size Range	Fraction Efficiency of Collector Weight % for Size Range
0 – 2		See Attached Test Report
2 – 4		
4 – 6		
6 – 8		
8 – 10		
10 – 12		
12 – 16		
16 – 20		
20 – 30		
30 – 40		
40 – 50		
50 – 60		
60 – 70		
70 – 80		
80 – 90		
90 – 100		
>100		

27. Describe any air pollution control device inlet and outlet gas conditioning processes (e.g., gas cooling, gas reheating, gas humidification): NA

28. Describe the collection material disposal system: NA

29. Have you included ***Other Collectores Control Device*** in the Emissions Points Data Summary Sheet?

30. **Proposed Monitoring, Recordkeeping, Reporting, and Testing**
Please propose monitoring, recordkeeping, and reporting in order to demonstrate compliance with the proposed operating parameters. Please propose testing in order to demonstrate compliance with the proposed emissions limits.

MONITORING: None Proposed.	RECORDKEEPING: None Proposed.
REPORTING: None Proposed.	TESTING: None Proposed.

MONITORING:	Please list and describe the process parameters and ranges that are proposed to be monitored in order to demonstrate compliance with the operation of this process equipment or air control device.
RECORDKEEPING:	Please describe the proposed recordkeeping that will accompany the monitoring.
REPORTING:	Please describe any proposed emissions testing for this process equipment on air pollution control device.
TESTING:	Please describe any proposed emissions testing for this process equipment on air pollution control device.

31. Manufacturer's Guaranteed Control Efficiency for each air pollutant.

99% for particulate.

33. Manufacturer's Guaranteed Control Efficiency for each air pollutant.

99% for particulate.

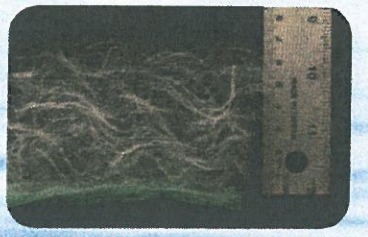
34. Describe all operating ranges and maintenance procedures required by Manufacturer to maintain warranty.

Replace filters as needed.

viledon® 200 Series

Fiberglass Paint Arrestor- Exhaust Rolls

15 gram HD glass fiber media



22 gram XHD glass fiber media

viledon offers paint overspray arrestor composed of a single layer of resin bonded glass fibers for use in exhaust floor applications requiring quick efficiency at a low cost. Available in heavy duty (15 gram) and extra heavy duty (22 gram) rolls, the glass fiber media provides excellent holding capacity. In addition, for more demanding applications, extra heavy duty glass fiber (32 gram) rolls with polybacking.

▶viledon offers glass fiber media with optimum balance between fiber density and gram weight. The dense scrim layer acts as a final filtration barrier at the air leaving side of the filter.

▶viledon's development team is continually creating new products to serve emerging markets and meet changing specifications.

▶viledon offers glass fiber media with optimum balance between fiber density and gram weight. The dense scrim layer acts as a final filtration barrier at the air leaving side of the filter.

▶All viledon exhaust-arrestor filter media is currently compliant with all water-borne paint EPA specifications.

▶UL 900 Class 2

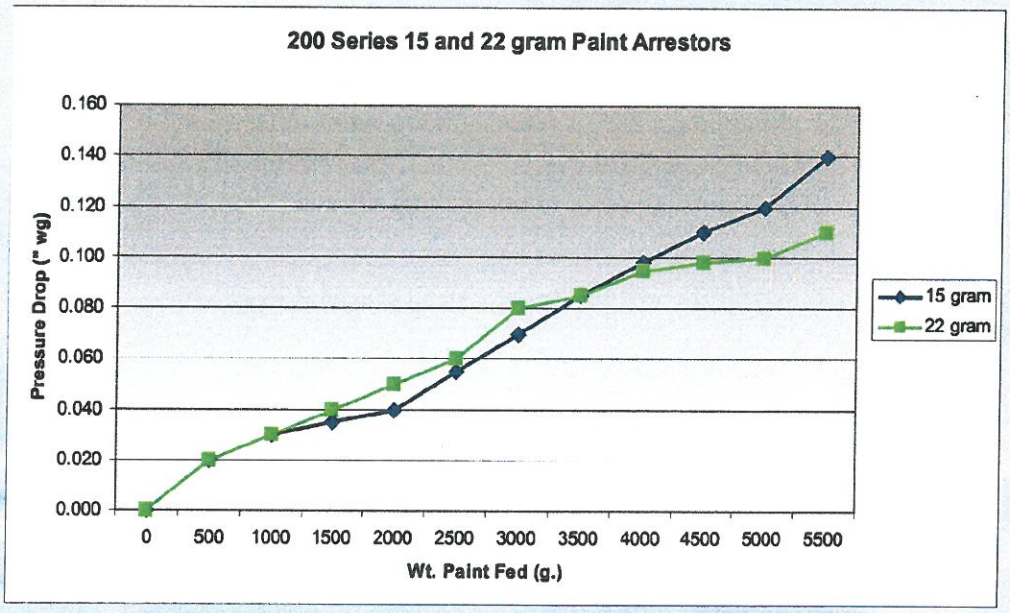
Freudenberg Filtration Technologies

Freudenberg

Technical Data - Glass Fiber Media

viledon®

Technical Data



Tests were conducted using ASHRAE and EPA Standards

Note: viledon fiberglass do not contain any Hazardous Organic Materials (HOC)

Performance	Unit	15 gram	22 gram
Average Arrestance Efficiency	%	98.81	99.03
Initial Resistance	150 FPM	.02	.02
Final Resistance	"w.g.	.14	.11

The figures given are mean values subject to tolerances due to normal production fluctuations. Our explicit written confirmation is always required for the correctness and applicability of the information involved in any particular case.

viledon® is a registered trademark of Freudenberg

Freudenberg Filtration Technologies LP
2975 Pembroke Road
Hopkinsville, Ky 42240
Tel: 1-270-887-5145
Fax: 1-270-890-0743
www.freudenberg-filter.com

National Air Filtration Association

GREENGUARD Indoor Air Quality Certified

U.S. GREEN BUILDING COUNCIL MEMBER

SYSTEM CERTIFICATION ISO 9001:2000 SGS

c UL us

CarolinaAir
SYSTEMS

Innovative design, fabrication, and installation of air quality systems.

01/22/15

Don Thomason
Greenfield Cabinetry
888 Industrial Park Road
Elkins, WV 26241
304.637.2721

Subject: Cross Flow Paint Booth
RE: Quote Number 012215.001

Gentlemen:

We are pleased to submit our proposal for the subject "Cross Flow Paint Booth" for the Greenfield Cabinetry plant in Elkins, WV as specified following.

By Carolina Air Systems, Inc.

CAS will furnish (1) Cross flow paint booth as specified below:
12' wide by 8' high by 16' long.

Product Description:
Cross flow booth draws fresh air in the opening front doors made with filters in doors. The clean filtered air is pulled through the booth and then exhausts through a filter system on the other end. The booth will be mitered on top corners with lights placed in corner panels.

- 12' wide x 8' high x 16' long interior
- 12'4" wide x 8'2" high x 16'4" long exterior
- 8' wide x 8' high entrance door
- 34" tube axial fan with 3 H.P. 13,500 CFM
- 18 GA galvanized construction
- 6-48" 4 tube florescent light fixtures
- Personnel door
- Intake/exhaust filters and grids 20"x 20"

Phone: 828.728.2399
Fax: 828.728.2599

2424 Norwood Street • P.O. Box 1106 • Lenoir, NC 28645_www.CarolinaAirSystems.com

RESEARCH PRODUCTS

PAINT ARRESTORS

automotive

furniture

aerospace

hvac

customized to your needs

RESEARCH PRODUCTS

PAINT ARRESTORS

TABLE OF CONTENTS

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- Design of RP PA Equipped Spray Booths
- Arresting Facts Favor

HISTORY OF RESEARCH PRODUCTS CORPORATION

Founded in 1938, Research Products is dedicated to quality manufacturing via research, testing, engineering, and continuous improvement. Going back over 70 years, Research Products has been committed to helping our stakeholders solve the challenges related to air filtration. The result of this philosophy has been a reassurance that we will help our customers with their filtration needs by providing superior products. Specifically, we have spent decades providing products to tackle paint overspray applications. Although we pioneered slit and expanded paper for liquid overspray applications, we continue to reinvent ways to pull particles from the airstream by mating modern synthetics with tried and true paper. As environmental and local codes evolve, our engineering and applications expertise continues to provide solutions for these changes. From the first paper filters that were hung at a local auto body shop in Madison, Wisconsin to some of the most sophisticated coating systems in Detroit, Michigan, Research Products continues to innovate based on customer needs.

CUSTOMIZED TO YOUR NEEDS

One tenet that will always be true in the liquid coatings industry is that no two applications are exactly the same. At Research Products, we understand this and are ready to help you solve your overspray challenges. Our Engineering Department has a state-of-the-art testing facility that includes ASHRAE 52.1 and 52.2 ducts. These resources, along with our expertise in air and liquid filtration, are available to address a variety of applications. Additionally, we have access to some of the best third party testing facilities in the world. The next time you need help picking the right product for the job, please give us a call at 888.742.2402.

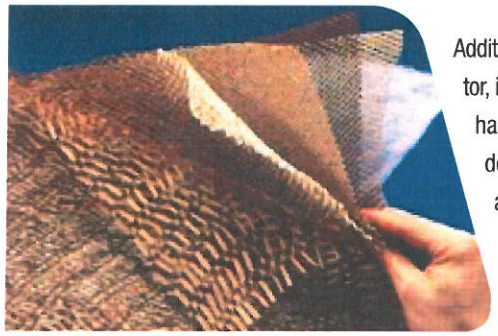
OVERVIEW

OVERSPRAY COLLECTION

The industries that are spraying paint are as diverse as the overspray collection products offered by Research Products (RP). Whether dealing with the Automotive, Furniture, Aerospace, or HVAC industries, there is sure to be a product that will fit your needs. RP is dedicated to helping our customers find solutions to its diverse problems by using our versatile line of dry overspray collectors. Our knowledgeable sales staff is eager to help you find the proper match for your specific overspray collection needs.

ARRESTING PRINCIPLES

Our product line has been designed to provide customers with optimum performance and extended service life. Our filtering media is fabricated from slit and expanded paper or slit and expanded paper with polyester. The Paint Arrestors are assembled so the intake side has larger openings than the exhaust side. This baffled configuration allows for depth loading for maximum service life.



Additionally, every RP Paint Arrestor, including the prefilter series, has the patented face sheet design. It produces unique airflow patterns that better capture and retain overspray by using less material. You save by:

- Reducing the volume of stored material
- Reducing the number of change-outs
- Reducing down time
- Reducing the amount of material to dispose of

RP Paint Arrestors derive their performance from the filtration principles of straining and impingement. Straining occurs when the paint particle is too big to fit between the openings in the filter media. This occurs with particles that are 20 microns or larger. Impingement occurs when a particle is moving along the airstream and its inertia causes the particle to collide with the media fiber. This occurs with particle sizes of about 2 microns. Our product lines that utilize a polyester layer are able to strain out almost all of the remaining paint particles that make it through the paper filter media. Because every application is unique, RP has designed different paper and polyester combinations to accommodate the specific needs of its customers.

MEASUREMENTS OF PERFORMANCE

When examining the different aspects of an overspray collection system, there are four primary characteristics that are used to rate the effectiveness.

- Efficiency: Also known as "arrestance efficiency" will be referred to simply as efficiency throughout this brochure. The efficiency is defined as the average amount of particulate that is collected or removed from the exhaust air. A higher efficiency means that the exhaust air is cleaner, providing cleaner spray booth duct fans, neighboring properties, plant roofs, and cars in the parking lot. Higher efficiencies also mean lower booth maintenance costs and lowers the risk of duct fires with minimal maintenance.
- Airflow Resistance: Refers to the static pressure drop (usually measured in inches of water column) across the filter at a given face velocity. As a paint filter loads, the resistance increases. This, in turn, affects service life and holding capacity. Proper airflow is vital to the collection of paint overspray. Airflow takes the path of least resistance, which contributes to uniform loading of overspray collectors.
- Holding Capacity: The amount of paint expressed as a weight that a filter can hold at a specified maximum resistance. The depth loading characteristics of the paint collector allows for maximum allowable holding capacity.
- Service Life: The length of time, measured in terms of hours or shifts, that a paint filter effectively performs before loading creates a maximum allowable resistance to airflow.

APPLICATION

When dealing with overspray collection, it is important to make sure to choose the right product for the job. Not all coatings have the same physical characteristics. Research Products has developed solutions to meet the unique challenges that overspray collection presents. Ultimately, the priority of the customer will play the greatest role when determining the best product for the application. Use the chart to the right as a guide for determining the proper media to use. If you need help, your local distributor, with the support of Research Products, will work with you to find a custom fit for your overspray needs.

APPLICATION RECOMMENDATIONS

COATING	COATING CHAR.	SERIES					
		3000	3100	3200	3300	3400	3600
ADHESIVE	A	D	D	E	F	F	F
AIR-DRY ENAMELS	A	D	E	E	F	F	E
BAKE-DRY ENAMELS	A	D	E	E	F	F	E
CLEAR COAT	A	D	E	E	F	E	F
EPOXIES	A	D	E	F	F	F	F
FIBERGLASS	A	D	E	F	F	F	F
GEL COATS	A	D	E	F	F	F	F
HI-SOLIDS ENAMELS	A	D	E	F	F	F	F
LACQUERS	C	D	D	E	F	D	D
PRIMERS - AIR DRY	A	D	E	F	F	F	F
STAINS	B	D	D	E	F	F	E
SEALERS	C	D	D	E	F	D	D
TEFLON	A	D	E	E	F	F	E
URETHANES	A	D	E	F	F	F	F
WATERBORNES	B	D	D	E	F	F	E

TYPE OF PAINT: A = Wet and sticky
B = Wet and runny
C = Dry and dusty

APPLICATION RECOMMENDATION: D = Good
E = Better
F = Best

PAINT ARRESTOR EFFICIENCY/OVERSPRAY PENETRATION

To assure clean exhaust air, Paint Arrestor selection should be influenced by the volume of paint to be sprayed. Larger volumes require a Paint Arrestor of higher efficiency (see chart on pg 5). The chart shows Paint Arrestor efficiency/overspray penetration based on 1,000 lbs. of overspray solids at the Paint Arrestor.

Example: Booth maintenance would be required ten times more often if the efficiency is 99% versus 99.9%. Both higher efficiency and cleaner exhaust air reduce costs.

Note: There are minimum efficiency levels required for many situations which we can help determine in a site evaluation at your specific operation. Maximum efficiency is very important when a volatile organic compound (VOC) abatement system such as a thermal oxidizer is used. For best performance, the abatement system must remain clean.

PAINT ARRESTOR EFFICIENCY	OVERSPRAY PENETRATION	OVERSPRAY RELEASED TO THE EXHAUST AIR
90%	10%	100 lbs.
92%	8%	80 lbs.
94%	6%	60 lbs.
96%	4%	40 lbs.
98%	2%	20 lbs.
99%	1%	10 lbs.
99.5%	0.5%	5 lbs.
99.9%	0.1%	1 lb.

RESEARCH PRODUCTS PAINT ARRESTOR PRODUCTS

PRODUCT	VELOCITY (fpm)	RESISTANCE (in. w.g.)	AVERAGE EFFICIENCY RANGE
3000 SERIES **Standard RP Paint Arrestors**	100 200 300	0.020 0.060 0.120	97.5 to 99.22% high solids bake enamel 93.0 to 94.0% waterborne bake enamel Tested using two pads in tandem
3100 SERIES **Standard High Capacity** **RP Paint Arrestors**	100 200 300	0.020 0.050 0.100	94.0 to 96.0% high solids bake enamel 91.5 to 92.5% waterborne bake enamel Tested using two pads in tandem
3200 SERIES **Spra-Gard** **High Efficiency** **RP Paint Arrestors**	100 200 300	0.055 0.125 0.225	98.5 to 99.5% high solids bake enamel 97.0 to 98.0% waterborne bake enamel 94.0 to 95.0% lacquer Tested using two pads in tandem
3300 SERIES **Spra-Gard** **High Efficiency** **RP Paint Arrestors**	100 200 300	0.055 0.136 0.256	99.5 to 99.9% high solids bake enamel 98.5 to 99.2% waterborne bake enamel 95.0 to 96.0% lacquer Tested using single pad
3400 SERIES **Spra-Gard** **High Capacity** **High Efficiency** **RP Paint Arrestors**	100 200 300	0.065 0.153 0.283	99.5 to 99.9% high solids bake enamel Tested using single pad
3600 SERIES **Spra-Gard** **High Capacity** **High Efficiency** **RP Paint Arrestors**	100 200 300	0.03 0.08 0.19	99.0 to 99.4% on high solids bake enamel Tested using single pad

3500 SERIES

The 3500 series was designed as a life extending prefilter. The main application of this product is for use in conjunction with any primary stage overspray filter. Utilizing the 3500 series Paint Arrestor will save on the costs associated with replacing the more expense primary filter by prolonging its service life. Additionally, it can be used in any spray coating application, plus it increases the flexibility of your operation.

Performance information shown was obtained using equipment similar to that incorporated by the American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE) in evaluating performance of air cleaning media. Details regarding equipment testing procedure and test results are available by writing for Reprint No. 4259.

40 CFR PART 63 NESHAP

This filter series (3000, 3200, 3300, 3400, 3600) meets GACT for sources subject to SUBPART HHHHHH (Paint Stripping and Miscellaneous Surface Coatings at Area Sources) and SUB-PART XXXXXX (Area Source Standards for Nine Metal Fabrication and Finishing Source Categories)
(>=98% Efficient when tested by ASHRAE Method 52.1 in accordance with NESHAP)

RESEARCH PRODUCTS
PAINT ARRESTORS

3400SERIES

SPRA-GARD HIGH CAPACITY HIGH EFFICIENCY RP PAINT ARRESTORS

OVERVIEW: This series has all the features and advantages of the 3300 Series, plus a longer service life. It is ideal for extremely high production applications because both peak efficiency and service life can be achieved, thereby reducing downtime and increasing the time interval between changes.

PAINT ARRESTOR IDENTIFICATION

PA Model: 3400 Series Spra-Gard High Capacity High Efficiency RP Paint Arrestor
RP Test #: 2051
Number of pads in series: 1
Pad type (Production / Experimental): Production

PAINT IDENTIFICATION

Paint type: High Solids
Density (lb./gal.): 12.9
Thinner used: Xylol
Viscosity (Ford #4 - sec): 52 seconds

TEST CONDITIONS

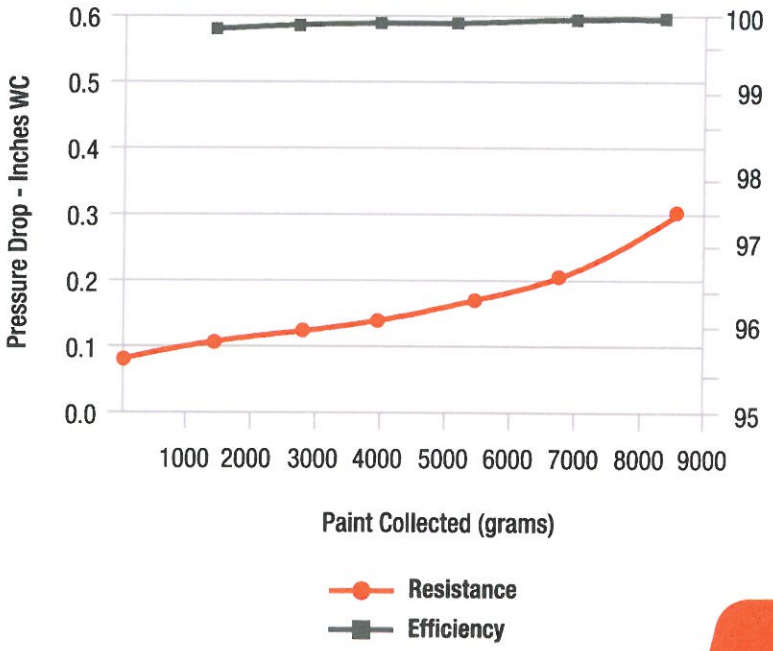
Duct velocity (fpm): 150
Gun manufacturer & model: DeVilbiss JGA-502
Tank pressure (psi): 10
Gun distance from PA (ft.): 6
Paint feedrate (gal./hr.): 1
Nozzle & air cap: 54FX
Atomization pressure (psi): 20

TEST SUMMARY

Pressure drop (" w.c.)	Efficiency (%)	Paint Collection (lb)
Initial: 0.07	Initial: 99.79	Total: 5.10
Final: 0.10	Average: 99.79	Run off: 0.0

Face velocity (fpm)	50	100	150	200
Initial Pressure Drop ("w.c.)	<0.02	0.04	0.07	0.11

3400 SERIES RESISTANCE VS. CAPACITY



Spray Tip Selection Chart

Spray Tips, for use with G15/G40 Air Cap

AAM Fine Finish Spray Tips
Recommended for *high finish quality applications* at *low and medium pressures.*
Order desired tip, **Part No. AAMxxx,** where xxx = 3-digit number from matrix below.

GG4 Industrial Spray Tips
Recommended for *high wear applications* at *high pressures.*
Order desired tip, **Part No. GG4xxx,** where xxx = 3-digit number from matrix below.

NOTE:

- All tips in the Spray Tip Selection Chart below can be used with Model G40 guns. Use tips in the gray shaded area of the chart with Model G40 guns only.
- Do not use tips in the gray shaded area of the chart with Model G15 guns.

Do not use tips in the gray shaded area of the Spray Tip Selection Chart with Model G15 guns. G15 guns are not designed for use at high pressures. Failure to follow this warning can result in serious injury, including fluid injection and splashing in the eyes or on the skin.

Orifice Size in. (mm)	* Fluid Output fl oz/min (lpm)		Maximum Pattern Width at 12 in. (305 mm) in. (mm)								
	at 600 psi (4.1 MPa, 41 bar)	at 1000 psi (7.0 MPa, 70 bar)	2 to 4 (100)	4 to 6 (150)	6 to 8 (200)	8 to 10 (250)	10 to 12 (300)	12 to 14 (350)	14 to 16 (400)	16 to 18 (450)	18 to 20 (500)
			Spray Tip								
† 0.007 (0.178)	4.0 (0.1)	5.2 (0.15)	★107	207	307						
† 0.009 (0.229)	7.0 (0.2)	9.1 (0.27)	109	209	309	409	509				
† 0.011 (0.279)	9.5 (0.28)	12.5 (0.37)	111	211	311	411	511	611	❊711		
0.013 (0.330)	12.0 (0.35)	16.0 (0.47)		213	313	413	513	613	713		
0.015 (0.381)	16.0 (0.47)	21.0 (0.62)		215	315	415	515	615	715	815	
0.017 (0.432)	20.0 (0.59)	26.5 (0.78)		217	317	417	517	617	717	817	917
0.019 (0.483)	28.0 (0.8)	36.3 (1.09)		219	319	419	519	619	719	819	919
0.021 (0.533)	35.0 (1.0)	45.4 (1.36)			321	421	521	621	721	821	921
‡ 0.023 (0.584)	40.0 (1.2)	51.9 (1.56)				423	523	623	723		923
‡ 0.025 (0.635)	50.0 (1.5)	64.8 (1.94)				425		625	725	825	★925
‡ 0.027 (0.686)	58.5 (1.7)	75.8 (2.27)					527	627		827	
‡ 0.029 (0.737)	68.0 (1.9)	88.2 (2.65)						629			
‡ 0.031 (0.787)	78.0 (2.2)	101.1 (3.03)				431		631			
‡ 0.033 (0.838)	88.0 (2.5)	114.1 (3.42)						633		★833	
‡ 0.035 (0.889)	98.0 (2.8)	127.1 (3.81)				435					
‡ 0.037 (0.940)	108.0 (3.1)	140.0 (4.20)							737		
‡ 0.039 (0.991)	118.0 (3.4)	153.0 (4.59)					539	639		839	

* *Tips are tested in water.*
Fluid output (Q) at other pressures (P) can be calculated by this formula: $Q = (0.041)(QT)\sqrt{P}$
where QT = fluid output (fl oz/min) at 600 psi from the above table for the selected orifice size.

† *These tip sizes include a 150 mesh tip filter.*

‡ *Do not use these tips with Model G15 guns.*

★ *GG4 tips only.*

❊ *AAM tips only.*

ATTACHMENT N

SUPPORTING EMISSIONS CALCULATIONS

Spray Booths' proposed potential to emit (PTE).

Pollutant	lb/hour	Controlled tons/month	ton/yr
Volatile Organic Compounds (VOCs)	83.22	10.95	87.62
PM	1.06	0.37	2.96
PM10	1.06	0.37	2.96
PM2.5	1.06	0.37	2.96
Total HAPS	37.45	0.87	6.94
Xylene	16.87	0.38	3.07
Toluene	7.69	0.13	1.02
Ethylbenzene	2.80	0.06	0.49
Methyl Isobutyl Ketone (MIK)	3.22	0.08	0.60
Glycol Ether	4.44	0.08	0.67
Methanol	1.82	0.13	1.01
Cobalt 2 Ethylhexanoate	0.43	0.00010	0.001
Chromium II	0.01	0.000001	0.00001
Formaldehyde	0.06	0.01	0.08

Existing Emissions of the three booths (Permit R13-2315E)

Pollutant	lb/hour	Controlled tons/month	ton/yr
Volatile Organic Compounds (VOCs)	38.73	5.04	40.28
Particulate Matter[(1)]	0.94	0.13	0.98
Total HAPS	6.54	0.85	6.82
Xylene	3.66	0.48	3.81
Toluene	2.13	0.28	2.21
Ethylbenzene	0.64	0.08	0.67
Formaldehyde	NA	NA	0.07

Difference between Proposed Booths PTE and Existing Booths PTE (R13-2315E)

Pollutant	lb/hour	Controlled tons/month	ton/yr
Volatile Organic Compounds (VOCs)	44.49	5.91	47.34
PM	0.12	0.24	1.98
PM10	0.12	0.24	1.98
PM2.5	0.12	0.24	1.98
Total HAPS	30.91	0.02	0.12
Xylene	13.21	-0.10	-0.74
Toluene	5.56	-0.15	-1.19
Ethylbenzene	2.16	-0.02	-0.18
Methyl Isobutyl Ketone (MIK)	3.22	0.08	0.60
Glycol Ether	4.44	0.08	0.67
Methanol	1.82	0.13	1.01
Cobalt 2 Ethylhexanoate	0.43	0.0001	0.001
Chromium II	0.01	0.000001	0.00001
Formaldehyde	0.06	0.01	0.01

Notes
1. Assume PM10 and PM2.5 equal PM

By: ADM
Date: 03/26/2015

Checked by: CCS
Date: 4/30/15

COATING	PRODUCT CODE	GALLONS USED	12- MONTH ROLLING TOTAL	PERMIT LIMIT (A.4)
SW GLACIER	P63BXW4877	1335	445	NO LIMIT
SW KEM VAR CATALYST	V66V21	735	245	NO LIMIT
SHWD PRCT CATALYST	V66V22	111	37	NO LIMIT
CINNAMON	S64XXN5002	114	38	NO LIMIT
GREEN	P63BXG4940	0	0	NO LIMIT
BUTTER CREAM	P63BXH4939	300	40	NO LIMIT
GARDENIA	P63BXW4718	600	15	NO LIMIT
LINEN	P63BXW4717	135	45	NO LIMIT
VICTORIAN	P63BXH4893	75	25	NO LIMIT
GLAZE	S66XXN4895	48	16	NO LIMIT
HAPS FREE REDUCER	R7K305	405	135	NO LIMIT
SW MINERAL SPIRITS	154-2331	123	41	NO LIMIT
SW SUNSET	S64XXY5337	15	5	NO LIMIT
FRENCH VANILLA	S64XXW5518	0	0	NO LIMIT
BLACK PAINT	P63BXB5126	195	65	NO LIMIT
140 FLASH	R1K140	6	2	NO LIMIT
SW MOCHA	S64XXW5338	3	1	NO LIMIT
SW GINGER	S64XXN5418	0	0	NO LIMIT
SW AMBERGLO	S64XXY5336	6	2	NO LIMIT
SW CRYSTAL	S64XXW5653	3	1	NO LIMIT
SW MIST	S64XXH5655	0	0	NO LIMIT
SW EMERALD	S64XXG5656	0	0	NO LIMIT
SHWD STN CON CLR	S64T28	18	6	NO LIMIT
SW CABERNET	S64XXN5463	30	10	NO LIMIT
SW FROST	S66XXW5519	0	0	NO LIMIT
NEW LF SEALER	V81FL2	1695	565	NO LIMIT
NEW LF TC	V84XXC5751	0	0	NO LIMIT
MARSHMALLOW	P63BXH5829	60	20	NO LIMIT
SPICE STAIN	S64XXN6210	21	7	NO LIMIT
SPICE PRE STAIN	P63BXN6209	30	10	NO LIMIT
CORDOVAN CHERRY	S64XXR6620	0	0	NO LIMIT
CORDOVAN ALDER	S64XXR6621	0	0	NO LIMIT
CORNSILK		0	0	NO LIMIT
CORNSILK GLAZE	S66XXN6110	0	0	NO LIMIT
WASHDOWN 101	617002	5610	1870	NO LIMIT
KEMVAR PRIMER CAMEO	E63XXH7113	0	0	NO LIMIT
PIG CONV VARN CAMEO	H66XXH7114	0	0	NO LIMIT
SHWD PRIMER BISQUE	E63XXW6990	0	0	NO LIMIT
PIG CONV VARN BISQUE	H66XXW7071	0	0	NO LIMIT
SHWD PRIMER CREAM	E63XXH7068	0	0	NO LIMIT
PIG CONV VARN CREAM	H66XXH7072	0	0	NO LIMIT
SHWD PRIMER GARDENIA	E63XXW7069	0	0	NO LIMIT
PIG CONV VAR GARDENIA	H66XXW7073	0	0	NO LIMIT
GINGER PRE STAIN	P63BXN7763	0	0	NO LIMIT
JAVA PRE STAIN	P63BXN7061	0	0	NO LIMIT
GINGER WS CHERRY MAPLE	S64XXN6930	0	0	NO LIMIT
SPICE PRE STAIN MAPLE	p63bxn9621	0	0	NO LIMIT
CABERNET P/S ALDER CHERRY	P63BXR6851	0	0	NO LIMIT
JAVA HAZELNUT W/S ALDER	S64XXN7062	48	16	NO LIMIT
FEDERAL PRE STAIN CHERRY ALDER	P63BXN7026	15	0	NO LIMIT
CORDOVAN PRE STAIN CHERRY	P63BXN7106	9	0	NO LIMIT
SHWD SURFACER WHITE	E63WH11	165	55	NO LIMIT
PIG CONV VARN GLACIER	H66XXW6128	0	0	NO LIMIT
GINGER PRE STAIN MAPLE	P63BXN8534	0	0	NO LIMIT
SPICE WIPE MAPLE	S66XXN7269	900	0	NO LIMIT
GLACIER 10 SHEEN	H66XXW7151	0	0	NO LIMIT
CAMEO 10 SHEEN	H66XXW7147	1200	0	NO LIMIT
BISQUE 10 SHEEN	H66XXW7149	0	0	NO LIMIT
CREAM 10 SHEEN	H66XXH7150	15	5	NO LIMIT
GARDENIA 10 SHEEN	H66XXW7148	15	5	NO LIMIT
BLACK GLAZE	S66XXB6839	39	13	NO LIMIT
PRE STAIN MAPLE SPICE	P63BXN7516	0	0	NO LIMIT
MAPLE SPICE WIPE STAIN	S64XXN7598	3	1	NO LIMIT
GINGER PRE STAIN MAPLE	P63BXN7654	0	0	NO LIMIT
GINGER WIPE STAIN MAPLE	S64XXN7655	0	0	NO LIMIT
GINGER PRE STAIN ALDER	P63BXN7028	36	12	NO LIMIT
GF WASHCOAT	T67XXC7729	0	0	NO LIMIT
HAZELNUT	S64XXN7850	12	4	NO LIMIT
MASK WASH	RCMW	0	0	NO LIMIT
BRIE GLAZED 10 SHEEN	H66XXH8308	0	0	NO LIMIT
BRIE GLAZED 30 SHEEN	H66XXH8216	0	0	NO LIMIT
VICTORIAN GLAZED 10 SHEEN	H66XXH8307	15	5	NO LIMIT
VICTORIAN GLAZED 30 SHEEN	H66XXH8215	30	10	NO LIMIT
LINEN GLAZED 10 SHEEN	H66XXH8309	0	0	NO LIMIT
LINEN GLAZED 30 SHEEN	H66XXH8217	0	0	NO LIMIT
GINGER WIPE OLD	S64XXN8291	69	23	NO LIMIT
AMARANTH	P63BXG8541	180	60	NO LIMIT
BUXTON BLUE	P63BXL8542	0	0	NO LIMIT
SILKTASSLE	P63BXL8543	150	50	NO LIMIT
EUCALYPTUS CON VARN	P63BXA8544	255	85	NO LIMIT
JUNIPER	P63BXG8569	45	15	NO LIMIT
NEW SUNSET	8330	0	0	NO LIMIT
EUCALYPTUS CON VARN	H66XXA8531	0	0	NO LIMIT
GLAZED PENNYROYAL	H66XXA8724	0	0	NO LIMIT
GLAZED GOLDENSEAL	H66XXH8727	45	15	NO LIMIT
GLAZED SAGE	H66XXL8730	24	8	NO LIMIT

COATING	PRODUCT CODE	GALLONS USED	12- MONTH ROLLING TOTAL	PERMIT LIMIT (A.4)
VERBENA	H66XXG8532	0	0	NO LIMIT
GLAZED CHAMOMILE	H66XXH8725	0	0	NO LIMIT
GLAZED VALERIAN	H66XXL8728	0	0	NO LIMIT
GLAZED OATSTRAW	H66XXG8731	0	0	NO LIMIT
GLAZED THISTLE	H66XXG8723	0	0	NO LIMIT
GLAZED HAWTHORNE	H66XXG8726	0	0	NO LIMIT
GLAZED LARKSPUR	H66XXL8729	15	5	NO LIMIT
GLAZED BLUEBERRY	H66XXG8732	0	0	NO LIMIT
ROSE	S64XXR4730	0	0	NO LIMIT
CATALYST	V66V26	0	0	NO LIMIT
KEM VAR BLACK GLAZE	S66XXB8527	6	2	NO LIMIT
TIMBER STAIN	S64XXB6767	39	13	NO LIMIT
TIMBER DYE STAIN	S61XXB6766	51	17	NO LIMIT
CARMEL PRE STAIN	P63BXN8193	0	0	NO LIMIT
CARMEL WIPE STAIN	S64XXN8194	9	3	NO LIMIT
JAVA PRE STAIN	P63BXN8681	75	25	NO LIMIT
50% PAPYRUS	H66XXW9050	0	0	NO LIMIT
KEM VAR BROWN GLAZE	S66XXN9211	0	0	NO LIMIT
VARN SURFACER WHITE	E63XXW50	210	70	NO LIMIT
NEW TOPCOAT	V84FH126	3396	1132	NO LIMIT
EEP REDUCER	R6K35	21	7	NO LIMIT
30 SHEEN TC	V84XXC9745	0	0	NO LIMIT
ALABASTER	H66XXH9463	0	0	NO LIMIT
NEW BROWN GLAZE	S66XXN9434	66	22	NO LIMIT
SURFSIDE	H66XXW9250	0	0	NO LIMIT
POPULAR GRAY	H66XXA9935	0	0	NO LIMIT
RAVE RED	H66XXR9999	0	0	NO LIMIT
ROYCROFT COPPER	P63BXR10061	3	1	NO LIMIT
DOVER WHITE	H66XXW9508	0	0	NO LIMIT
DUNE	P63BXH10341	60	20	NO LIMIT
BRICK	P63BXR10254	0	0	NO LIMIT
BROWNSTONE GLAZE	S66XXN10122	6	2	NO LIMIT
LACQUER/SW	LACQUER/SW	0	0	NO LIMIT
SLATE	P63BXL10342-1497	60	20	NO LIMIT
WATER WHITE VARN	V84F98	0	0	NO LIMIT
PLEASANTON PRESTAIN	P63BXN10034	0	0	NO LIMIT
NEW BLACK GLAZE	S66XXB9994	36	12	NO LIMIT
RAIN WASHED	H66XXG10198	0	0	NO LIMIT
PEWTER	P63BXA10340	270	90	NO LIMIT
CONSERVATIVE GRAY	H66XXA10200	0	0	NO LIMIT
COLOR MATCH	H66XXH10181	0	0	NO LIMIT
LOW SHEEN TC	V84XXC4224	3	1	NO LIMIT
LIVERMORE PRESTAIN	P63BXN10038	0	0	NO LIMIT
SAN CARLOS PRE STAIN	P63BXN10036	0	0	NO LIMIT
LANTERN LIGHT	H66XXY10199	0	0	NO LIMIT
LIVERMORE PRESTAIN	S64XXN10039	0	0	NO LIMIT
SAN CARLOS WIPE	S64XXN10037	3	1	NO LIMIT
PLEASONTON WIPE	S64XXN10035	0	0	NO LIMIT
VERBENA	P63BXG8545	90	30	NO LIMIT
TWILIGHT	S64XXW5654	0	0	NO LIMIT
R7K35	R7K35	0	0	NO LIMIT
R7K140	R7K140	0	0	NO LIMIT
R6K34	R6K34	15	5	NO LIMIT
R6K30	R6K30	0	0	NO LIMIT
AMARANTH	H66XXG8528	0	0	NO LIMIT
JUNIPER	H66XXL8529	0	0	NO LIMIT
SILTASSLE	H66XXH8530	0	0	NO LIMIT
50 SHEEN	V84FXC96	3	1	NO LIMIT
WINDHAM CREAM	H66XXH10474	0	0	NO LIMIT
BEN MOORE	H66XXH10411	0	0	NO LIMIT
GS1155 MATCH	H66XXH10181	0	0	NO LIMIT
LOW GLOSS TC	V84FH161	0	0	NO LIMIT
HARBOR MIST	H66XXA10438	0	0	NO LIMIT
DISTANCE	H66XXL10503	0	0	NO LIMIT
GS1211	P63BXN10567	0	0	NO LIMIT
GS1211 WIPE	S64XXN10568	0	0	NO LIMIT
GS1211 GLAZE	S66XXN10569	0	0	NO LIMIT
LOW GLOSS	H66XXW53	0	0	NO LIMIT
KEMVAR SOLVENT	R7K310	315	105	NO LIMIT
BUTYL ACETATE	R6K18	0	0	NO LIMIT
SHELL WHITE	H66XXW10686-1497	0	0	NO LIMIT
FRENCH WHITE	H66XXH10437-1497	0	0	NO LIMIT
EVENING DOVE	H66XXA10770-1497	0	0	NO LIMIT
V66V21 DILUTED	V66XXV10578-1497	300	100	NO LIMIT
ESSENTIAL GRAY	H66XXA10781-1497	0	0	NO LIMIT
SURFSIDE 10 SHEEN	H66XXW10241	0	0	NO LIMIT
ACETONE 5 SW	R6K9E	105	35	NO LIMIT
SURFSIDE	P63BXW10847	255	85	NO LIMIT
DORIAN GRAY	S66XXA10331	33	11	NO LIMIT
CAMEO	E63PLH10648	30	10	NO LIMIT
CAMEO 30	H66PXH10649	465	155	NO LIMIT
CARMAEL MATCH	P63BXN10855	0	0	NO LIMIT
CHERRY MATCH	P63BXR10856	0	0	NO LIMIT
COURTYARD	H66XXG10727	0	0	NO LIMIT
MATCH 6189	H66XXG10883	0	0	NO LIMIT
MERLOT STAIN	S64XXR10980-1497	0	0	NO LIMIT
GARDENIA	H66PXW10945-1497	255	85	NO LIMIT
MERLOT PRESTAIN	S64XXR10979-1497	0	0	NO LIMIT
STEELY GRAY	H66PXA11065-1497	0	0	NO LIMIT
GS1305 NO WIPE CHERRY	P63BXR11031-1497	0	0	NO LIMIT
GRAY CASHMERE	H66XXA11036-1497	0	0	NO LIMIT
SW7018 DOVETAIL 30 SHEEN	H66XXA11039-1497	0	0	NO LIMIT
SW6485 RAINDROP	H66PXL11062-1497	0	0	NO LIMIT

COATING	PRODUCT CODE	GALLONS USED	12- MONTH ROLLING TOTAL	PERMIT LIMIT (A.4)
GREY GLAZED SURFSIDE 30	H66PXW11123-1497	60	20	NO LIMIT
GREY GLAZED CAMEO 30	H66PXH11121-1497	36	12	NO LIMIT
GREY GLAZED GLACIER 30	H66PXW11120-1497	60	20	NO LIMIT
GREY GLAZED BISQUE 30	H66PXH11122-1497	0	0	NO LIMIT
GREY GLAZED GARDENIA 30	H66PXW11119-1497	15	5	NO LIMIT
GLAZED BLACK GLACIER 30	H66PXW11096-1497	45	15	NO LIMIT
GLAZED BLACK PEWTER 10	H66PXA11097-1497	12	4	NO LIMIT
GLAZED BROWN PEWTER 10	H66PXA11098-1497	3	1	NO LIMIT
GLAZED BLACK LATTE 10	H66PXH11099-1497	18	6	NO LIMIT
GLAZED BLACK DUNE 10	H66PXH11100-1497	6	2	NO LIMIT
GLAZED BROWN DUNE 10	H66PXH11101-1497	6	2	NO LIMIT
GLAZED BLACK PEWTER 30	H66PXA11129-1497	6	2	NO LIMIT
AMARANTH BK GL 10	H66PXG11127-1497	15	5	NO LIMIT
CAMEO 10 SHEEN	H66PXH11110-1497	120	40	NO LIMIT
GS1288 MATCH	H66PXG11115-1497	0	0	NO LIMIT
LINEN GLAZED 30 SHEEN	H66PXH11111-1497	18	6	NO LIMIT
SILKTASSLE BK/BR GLAZE	H66PXH11112-1497	60	20	NO LIMIT
SURFSIDE 10 SHEEN	H66PXW11050-1497	45	15	NO LIMIT
SURFSIDE 30	H66PXW10947-1497	495	165	NO LIMIT
BISQUE 30	H66PXW11069-1497	0	0	NO LIMIT
GLACIER TOPCOAT	H66PXW10943-1497	810	270	NO LIMIT
SW 7668 MARCH WIND	H66PXA11146-1497	0	0	NO LIMIT
10 SHEEN TOPCOAT	V84XXC11170-1497	0	0	NO LIMIT
THUNDER GRAY	H66PXA11203-1497	0	0	NO LIMIT
LINEN WHITE	H66PXW11198-1497	0	0	NO LIMIT
SUNSET PRE STAIN	P63BXN10772-1497	9	3	NO LIMIT
MAPLE SPICE SPRAY NO WIPE	P63BXN11151-1497	0	0	NO LIMIT
MAPLE AMBERGLO SPRAY NO WIPE	P63BXN11152-1497	0	0	NO LIMIT
GLACIER 30 SHEEN	H66PXH10944-1497	45	15	NO LIMIT
CREAM 30 SHEEN	H66PXH11195-1497	15	5	NO LIMIT
WATERWHITE VARNISH	V84FH98	0	0	NO LIMIT
GLACIER 10 SHEEN	H66PX11171-1497	345	115	NO LIMIT
GREEN 30	H66PXG11271	0	0	NO LIMIT
SW 6189	H66PXG11115-1497	0	0	NO LIMIT
GF3867	H66PXW11283	0	0	NO LIMIT
SEAL SKIN	H66PXA11270-1497	0	0	NO LIMIT
SUNSET SPRAY	P63BXN11139-1497	0	0	NO LIMIT
GARDENIA	E63PLW11172-1497	0	0	NO LIMIT
10 SHEEN CONV VARN	V84XXC11241-1497	1650	550	NO LIMIT
DIGNITY BLUE	H66PXL11255-1497	0	0	NO LIMIT
BUTTER UP	H66PXY11212-1497	0	0	NO LIMIT
SILVER PLATE	H66PXA11250-1497	0	0	NO LIMIT
CREAM PRIMER	E63PLH11258	0	0	NO LIMIT
GLAZED SAND 10 SHEEN	H66PXH11240-1497	15	5	NO LIMIT
GLAZED VERBENA	H66PXG11362-1497	0	0	NO LIMIT
WHITE PRE REDUCED	E63PLW11365-1497	0	0	NO LIMIT
GLAZED SAGE	H66PXL11361-1497	3	1	NO LIMIT
	H66PXW11342	0	0	NO LIMIT
MAXI TEAL 30	H66PXG11335-1497	0	0	NO LIMIT
GARDENIA 10 SHEEN	H66PXW11268-1497	150	50	NO LIMIT
LATTE BRN/BLK GLAZE	P63BXH11410	30	10	NO LIMIT
GARDENIA BRN/BLK GLAZE	P63BXW11419	60	20	NO LIMIT
CAMEO BRN/BLK GLAZE	P63BXH11412	75	25	NO LIMIT
GLACIER BRN/BLK GLAZE	P63BXW11417	105	35	NO LIMIT
AMARANTH BRN/BLK GLAZE	P63BXG11409	15	5	NO LIMIT
VERBENA BRN/BLK GLAZE	P63BXG11408	30	10	NO LIMIT
SILKTASSLE BRN/BLK GLAZE	P63BXH11411	60	20	NO LIMIT
EUCALYPTUS BRN/BLK GLAZE	P63BXA11406	60	20	NO LIMIT
JUNIPER BRN/BLK GLAZE	P63BXG811407	15	5	NO LIMIT
SURFSIDE	P63BXW11418	60	20	NO LIMIT
V22 DILUTED	V66XXV11364	120	40	NO LIMIT
CHANTILLY LACE	H66PXW11448	0	0	NO LIMIT
DUNE NOT REDUCED	P63BXH11413	30	10	NO LIMIT
WINDS BREATH	H66PXH11443	0	0	NO LIMIT
BEN MOORE/ICICLE	H66PXW11395	0	0	NO LIMIT
BEN MOORE/BABY BR	H66PXW11396	0	0	NO LIMIT
GLAZED VICTORIN	H66PXH11393	0	0	NO LIMIT
EXTRA WHITE	H66PXW11404	0	0	NO LIMIT
BRIE	H66PXH10946	15	5	NO LIMIT
CHERRY TOMATO	H66PXR11323	0	0	NO LIMIT
DOWNY	H66PXW11394	0	0	NO LIMIT
STONE GRAY	H66PA11392	0	0	NO LIMIT
SAND BRN/BLK NOT PRE	P63BXW11416-1497	30	10	NO LIMIT
EUCALYPTUS BK/BR GLAZ	H66PXA11299-1497	48	16	NO LIMIT
FAWN PRESTAIN	P64BXN11494	15	5	NO LIMIT
FAWN STAIN	S64XXN11495	36	12	NO LIMIT
PRAIRIE	S64XXN11496	0	0	NO LIMIT
COASTAL PRESTAIN	S64XXN11497	21	7	NO LIMIT
COASTAL PRESTAIN	S64XXN11498	12	4	NO LIMIT
PLANTATION	S64XXN11499	0	0	NO LIMIT
CLOVE	S64XXN11506	0	0	NO LIMIT
BREAKWATER PRESTAIN	P63BXN12421	45	15	NO LIMIT
BREAKWATER	P63BXN12420	21	7	NO LIMIT
VAGUELY MAUVE	H66PXA11530	0	0	NO LIMIT
BEN MOORE 001 WHITE PART	H66PXW11321	0	0	NO LIMIT
HARBOR WHITE	H66PXW11992	150	50	NO LIMIT
CREAM BRG/BLK NOT PRE	P63BXH11414	45	15	NO LIMIT
CAIRO STAIN ALDER	S64XXN11468	0	0	NO LIMIT
BEN MOORE OC-62 BABYS B	H66PXW11396-1497	0	0	NO LIMIT
7074 SOFTWARE	H66PXA11491	0	0	NO LIMIT
BEN MORE 2137-60 GRAY	H66PXA11566-1497	0	0	NO LIMIT
BISQUE 10 SHEEN	H66PXW11280-1497	0	0	NO LIMIT
CLOVE	S64XXN4506-1286	12	4	NO LIMIT

COATING	PRODUCT CODE	GALLONS USED	12- MONTH ROLLING TOTAL	PERMIT LIMIT (A.4)
CORDOVAN TONER	T69XXN12511-1286	6	2	NO LIMIT
PLANTATION TONER	T69XXN12879-1286	0	0	NO LIMIT
PEWTER NOT REDUCED	P63BXA11405-1497	15	5	NO LIMIT
BRICK	P63BXR10254-1497	15	5	NO LIMIT
REPOSE GRAY	H66PXA12773-1286	75	25	NO LIMIT
DORIAN GRAY	H66PXA12774-1286	30	10	NO LIMIT
BLACK FOX	H66PXA12777-1268	30	10	NO LIMIT
GAUNLET GRAY	H66PXA12776-1286	63	21	NO LIMIT
MATTERS PAR	H66PXA12778-1286	60	20	NO LIMIT
CRISP LINEN 30	H66PXW11659	0	0	NO LIMIT
FEDERAL CHERRY	P63BXR12413-1286	135	45	NO LIMIT
SLATE NOT REDUCED	P63BXL11415-1497	15	5	NO LIMIT
MAPLE GINGER	S64XXN12931-1286	0	0	NO LIMIT
DOVE TAIL	H66PXA12775-1286	60	20	NO LIMIT
BEACH WHITE	H66PXW11621-1497	6	2	NO LIMIT
CITY SCAPE	H66PXA12779-1286	30	10	NO LIMIT
NEW CAB TONER	T69XXN12437-1286	51	17	NO LIMIT
NEW GINGER TONER	T69XXN12512-1286	21	7	NO LIMIT
NEW SPICE TONER	T69XXN12302-1286	45	15	NO LIMIT
BRICK NOT PRE REDUCED	P63BXR11560-1497	0	0	NO LIMIT
CORSI SS PRE	T69XXN12930-1286	30	10	NO LIMIT
SEA REFLECTIONS	H66PXL11722-1497	0	0	NO LIMIT
CORSI SS STAIN	S64XXN12813-1286	9	3	NO LIMIT
CORSI AMBER PRE	T69XXN12929-1286	0	0	NO LIMIT
CORSI AMBER STAIN	S64XXN12436-1286	6	2	NO LIMIT
NEW MAPLE GINGER PRE	P63BXN12875-1286	0	0	NO LIMIT
NEW MAPLE GINGER STAIN	S64XXN12931-1286	0	0	NO LIMIT
CORSI NEW SPICE TONER	T69XXN12812-1286	30	10	NO LIMIT
CORSI NEW SPICE STAIN	S64XXN12811-1286	0	0	NO LIMIT
CAMEO 15 SHEEN	H66PXH11746-1497	0	0	NO LIMIT
COASTAL PRE NEW	P63BXN13312-1286	0	0	NO LIMIT
COASTAL STAIN NEW	S64XXN13313-1286	0	0	NO LIMIT
BREAKWATER PRE NEW	P63BXN13311-1286	0	0	NO LIMIT
BREAKWATER STAIN NEW	S64XXN13314-1286	0	0	NO LIMIT
EUCAL BRGL VAR	H66PXL11760-1497	15	5	NO LIMIT
VERB BKGL VAR	H66PXL11763-1497	12	4	NO LIMIT
BLUE BLOOD	H66PXL11789-1497	0	0	NO LIMIT
EXTRA WHITE 10 SH	H66PXW11688-1497	0	0	NO LIMIT
BLUE BLOOD 50 SHEEN	H66PXL11779-1497	0	0	NO LIMIT
1603 GRAPHITE	H66PXA11864-1497	0	0	NO LIMIT
NAVAJO WHITE PAR	H66PXH11227-1497	0	0	NO LIMIT
7008 ALABASTER	H66PXH11870-1497	0	0	NO LIMIT
SNOWBOUND 30 SH	H66PXW11865-1497	0	0	NO LIMIT
HEARTS OF PALM	H66PXG11903-1497	0	0	NO LIMIT
REQUISITE GRAY	H66PXA11894-1497	0	0	NO LIMIT
BERMUDA BLUE	H66PXA11892-1497	0	0	NO LIMIT
AQUARIUS	S64XXL11908-1497	0	0	NO LIMIT
CAPRI	H66PXL11906-1497	0	0	NO LIMIT
FOUNTAIN	H66PXL11905-1497	0	0	NO LIMIT
SEA SALT	H66PXG11904-1497	15	5	NO LIMIT
GRAY OAK	H66PXA11922-1497	0	0	NO LIMIT
GRAY OAK GLAZE	S66XXN11923-1497	0	0	NO LIMIT
STARRY NIGHT	H66PXL11929-1497	0	0	NO LIMIT
COMMODORE	H66PXL11928-1497	0	0	NO LIMIT
GLAD YELLOW	H66PXY11950-1497	0	0	NO LIMIT
BUTTER UP NEW	H66PXY11949-1497	0	0	NO LIMIT
DYNAMO	H66PXR11952-1497	0	0	NO LIMIT
CREATIVE GREEN	H66PXG11958-1497	0	0	NO LIMIT
BLUE MATCH	H66PXL11959	0	0	NO LIMIT
GARDENIA 50	H66PXW11971	0	0	NO LIMIT
BLACK 50	H66PXB11970	0	0	NO LIMIT
GLACIER 50	H66PXW11155	63	21	NO LIMIT
GAUNLET GRAY	P63BXA11997	30	10	NO LIMIT
CITY SCAPE	P63BXA11998	30	10	NO LIMIT
BALMY 10 SHEEN	H66PXL12079-1497	3	1	NO LIMIT

COATING	PRODUCT CODE	GALLONS USED	12- MONTH ROLLING TOTAL	PERMIT LIMIT (A.4)
COASTAL PLAIN	H66PXG12056-1497	0	0	NO LIMIT
MEDITATIVE	H66PXL12059-1497	0	0	NO LIMIT
PASSIVE 30	H66PXA12057-1497	0	0	NO LIMIT
DISTANCE	H66PXL13819-1286	0	0	NO LIMIT
PERRY 10	H66PXB13524-1286	0	0	NO LIMIT
GOLDFINCH	P63BXY12100	0	0	NO LIMIT
PEWTER GREEN	H66PXG13929-1286	0	0	NO LIMIT
BLACK FOX	P63BXA12127-1497	0	0	NO LIMIT
NEBULOUS WHITE	H66PXW14048-1286	0	0	NO LIMIT
REPOSE GRAY 30	H66PXA12108-1497	0	0	NO LIMIT
VAR SURF WHITE	E63W50	5040	1680	NO LIMIT
NANTUCKET GRAY	H66PXA12130-1497	0	0	NO LIMIT
SURFSIDE 15 SHEEN	H66PXW12172-1497	0	0	NO LIMIT
OATMEAL	H66PXN12896-1286	3	1	NO LIMIT
HARBOR WHITE 10	H66PXW12206-1497	6	2	NO LIMIT
RESPITE	H66PXL12191-1497	3	1	NO LIMIT
CORSI STAIN GS1616	P63BXR12240-1497	6	2	NO LIMIT
CORSI PRESTAIN GS1616	S64XXR12241-1497	3	1	NO LIMIT
SURFSIDE 50 SHEEN	H66PXW12246-1497	3	1	NO LIMIT
THRESHOLD GRAY 5	H66PXN14762-1286	12	4	NO LIMIT
LAZY GRAY 30	H66PXA14763-1286	6	2	NO LIMIT
FRIENDLY YELLOW	H66PXY12316-1497	30	10	NO LIMIT
OLD GLORY	H66PXL14825-1286	12	4	NO LIMIT
DARK KNIGHT	H66PXL14824-1286	36	12	NO LIMIT
SIMPLY WHITE	H66PXW13837-1286	63	21	NO LIMIT
AGREEABLE GRAY	H66PXG14836-1286	6	2	NO LIMIT
SCANDA	H66PXN14842-1286	60	20	NO LIMIT
DARK CHERRY	T69XXN14795-1286	6	2	NO LIMIT
SADDLE PRE STAIN	T69XXN14496-1286	36	12	NO LIMIT
SADDLE	S64XXN14497-1286	12	4	NO LIMIT
ENGLISH	S64XXH4240-1407	6	2	NO LIMIT
MEGA GREIGE	H66PXG14935-1286	15	5	NO LIMIT
ACCESSIBLE BEIGE	H66PXN14936-1286	30	10	NO LIMIT
GARDENIA 30	H66PXW12358-1497	270	90	NO LIMIT
SURFSIDE 30 NO RED	H66PXW12352-1497	15	5	NO LIMIT
OFF COLOR SURFSIDE	H66PXW12333-1497	15	5	NO LIMIT
SILKTASSLE BRN GL	H66PXH11300-1497	0	0	NO LIMIT
WHITE WHISP	H66PXW14898-1286	3	1	NO LIMIT
STONEY GRAY	H66PXG14897-1286	3	1	NO LIMIT
REPOSE GRAY 50 SH	H66PXA12331-1497	3	1	NO LIMIT
PRE STAIN ENGLISH	P63BXN14877-1286	390	130	NO LIMIT
AESTHETIC WHITE	H66PXW12387-1497	27	9	NO LIMIT
NATURAL LINEN	H66PXN15030-1286	15	5	NO LIMIT
GLACIER 30 SHEEN	H66PXW12369-1497	1095	365	NO LIMIT
HALCYON GREEN	H66PXG12383-1497	3	1	NO LIMIT
NAVAJO WHITE	H66PXW15003-1286	6	2	NO LIMIT
SURFSIDE 30	H66PXW12363-1497	390	130	NO LIMIT
WEB GRAY	H66PXA12418-1497	6	2	NO LIMIT
ACCESSIBLE BEIGE	H66PXH12431-1497	3	1	NO LIMIT
CAMEO 50	H66PXH10722-1286	3	1	NO LIMIT
GRAY MATTERS 50	H66PXA13487-1286	6	2	NO LIMIT
CHERRY ON CHERRY PRE	P63BXN12428-1497	9	3	NO LIMIT
CHERRY ON CHERRY	S64XXN12429-1497	6	2	NO LIMIT
KITCHEN VIEWS PRESTAIN	P63BXN12422-1497	9	3	NO LIMIT
KITCHEN VIEWS STAIN	S64XXN12423-1497	6	2	NO LIMIT
STERLING	H66PXA12393-1497	9	3	NO LIMIT
PEPPERY 10	h66pxr12455-1497	6	2	NO LIMIT
GRAY MATTERS PAR	P63BXA12459-1497	3	1	NO LIMIT
COLONIAL CREAM	H66PXH12458-1497	21	7	NO LIMIT
GF13736	H66PXN15047-1286	3	1	NO LIMIT
KITVIEWS PRESTAIN	P63BXN12422-1497	3	1	NO LIMIT
KITVIEWS STAIN	S64XXN12423-1497	3	1	NO LIMIT
GARDENIA 50	H66PXW12478-1497	21	7	NO LIMIT
SAYBROOK	H66PXG15373-1286	21	7	NO LIMIT
PEWTER 30	H66PXA13838-1286	3	1	NO LIMIT
MCLELLAN GLACIER 30	H66PXW12520-1497	3	1	NO LIMIT
SEATLE MIST	H66PXG15400-1286	9	3	NO LIMIT
DRIFTWOOD TONER	T69XXA15374-1286	3	1	NO LIMIT
BLACK GLAZE	S66XXB15192-1286	3	1	NO LIMIT
BLACK 10SHEEN	H66XXB9766-1286	3	1	NO LIMIT
AMERANTH 10	H66PXG13697-1286	15	5	NO LIMIT
PEWTER 50	H66PXA12496-1497	0	0	NO LIMIT
TONY TAUPE	P63BXN15435-1286	0	0	NO LIMIT
NEW DUNE 30	H66PXN14008-1286	0	0	NO LIMIT
NEW DUNE 10 SHEEN	H66PXH14034-1286	0	0	NO LIMIT
SAND 30	H66PXN13663-1286	15	5	NO LIMIT
SILKTASSLE 30	H66PXN14081-1286	0	0	NO LIMIT
REVERE PEWTER	H66PXA15498-1286	0	0	NO LIMIT
CAMEO 30 SPECIAL	H66PXH12575-1497	0	0	NO LIMIT
BLACK GLAZE	S66XXB15192-1286	0	0	NO LIMIT
PAVILLION GRAY	H66PXA15544-1286	0	0	NO LIMIT
JUNIPER 30	H66PXL13976-1286	0	0	NO LIMIT
CORSI 10 SH TC	V84XXC15006-1286	0	0	NO LIMIT

COATING	PRODUCT CODE	GALLONS USED	12- MONTH ROLLING TOTAL	PERMIT LIMIT (A.4)

CERTIFICATION OF DATA ACCURACY

I, THE UNDERSIGNED, HEREBY CERTIFY THAT ALL INFORMATION IN THE ATTACHED REPORT, REPRESENTING THE PERIOD BEGINNING
AND ANY SUPPORTING DOCUMENTS APPENDED HERETO, IS TRUE, ACCURATE, AND COMPLETE BASED ON INFORMATION AND BE

NAME (TYPE OR PRINT) TIM CLONTZ

SIGNATURE: _____

TITLE: PLANT MANAGER

DATE: 1/5/15

TELEPHONE: 304 637-2721

FAX: 304 637-2720

Greenfield Cabinetry, LLC
Cabinet Manufacturing Facility

POTESTA & ASSOCIATES, INC.
Project Number 0101-15-0013

By: ADM
Date: 03/26/2015

Checked by: CCS
Date: 4/30/15

Proposed volume is increased by 3

MATERIAL	MATERIAL ID NUMBER	PREVIOUS MONTH'S ENDING INVENTORY (GAL)	CURRENT MONTH'S ENDING INVENTORY (GAL)	CURRENT MONTH'S RECEIPTS (GAL)	ACTUAL YEAR'S USAGE (GAL)	PROPOSED YEAR'S USAGE (GAL)
SW GLACIER	P63BXW4877	20	15	60	445	1335
SW KEM VAR CATALYST	V66V21	0	8	29	245	735
SHWD PRCT CATALYST	V66V22	8	6		37	111
CINNAMON	S64XXN5002	1	1	4	38	114
GREEN	P63BXG4940	0	0		0	0
BUTTER CREAM	P63BXH4939	15	15		100	300
GARDENIA	P63BXW4718	0	5	5	200	600
LINEN	P63BXW4717	10	10		45	135
VICTORIAN	P63BXH4893	10	10	15	25	75
GLAZE	S66XXN4895	1	4	4	16	48
HAPS FREE REDUCER	R7K305	5	5	10	135	405
SW LF 5 SHEEN	V84F98	0	0		0	0
SW MINERAL SPIRITS	154-2331	0	0		41	123
SW SUNSET	S64XXY5337	2	2		5	15
FRENCH VANILLA	S64XXW5518	1	1		0	0
BLACK PAINT	P63BXB5126	5	5	10	65	195
140 FLASH	R1K140	3	3		2	6
SW MOCHA	S64XXW5338	1	1		1	3
SW GINGER	S64XXN5418	0	0		0	0
SW AMBERGLO	S64XXY5336	1	1		2	6
SW CRYSTAL	S64XXW5653	2	2		1	3
SW MIST	SW MIST	0	0		0	0
SW EMERALD	S64XXG5656	0	0		0	0
SHWD STN CON CLR	S64T28	1	1	1	6	18
SW CABERNET	S64XXN5463	1	3	2	10	30
SW FROST	S66XXW5519	0	0		0	0
NEW LF SEALER	V81FL2	200	100		565	1695
NEW LF TC	V84XXC5751	0	0		0	0
MARSHMALLOW	P63BXH5829	20	20		20	60
SPICE STAIN	S64XXN6210	0	1	1	7	21
SPICE PRE STAIN	P63BXN6209	5	5		10	30
CORDOVAN CHERRY	S64XXR6620	2	2		0	0
CORDOVAN ALDER	S64XXR6621	1	1		0	0
CORNSILK	P63BXH6634	0	0		0	0
CORNSILK GLAZE	S66XXN6110	0	0		0	0
WASHDOWN 101	617002	55	110	220	1870	5610
KEMVAR PRIMER CAMEO	E63XXH7113	0	0		0	0
PIG CONV VARN CAMEO	H66XXH7114	0	0		0	0
SHWD PRIMER BISQUE	E63XXW6990	0	0		0	0
PIG CONV VARN BISQUE	H66XXW7071	0	0		0	0
SHWD PRIMER CREAM	E63XXH7068	0	0		0	0
PIG CONV VARN CREAM	H66XXH7072	0	0		0	0
SHWD PRIMER GARDENIA	E63XXW7069	0	0		0	0
PIG CONV VAR GARDENIA	H66XXW7073	0	0		0	0
GINGER PRE STAIN	P63BXN7763	0	0		0	0
JAVA PRE STAIN	P63BXN7061	0	0		0	0
GINGER WS CHERRY MAPLE	S64XXN6930	0	0		0	0
SPICE PRE STAIN MAPLE	p63bxn9621	0	0		0	0
CABERNET P/S ALDER CHERRY	P63BXR6851	0	0		0	0
JAVA HAZELNUT W/S ALDER	S64XXN7062	1	2	1	16	48
FEDERAL PRE STAIN CHERRY ALDER	P63BXN7026	0	0		5	15
CORDOVAN PRE STAIN CHERRY	P63BXN7106	0	0		3	9
SHWD SURFACER WHITE	E63WH11	0	0		55	165
PIG CONV VARN GLACIER	H66XXW6128	0	0		0	0
GINGER PRE STAIN MAPLE	P63BXN7027	0	0		0	0
SPICE WIPE MAPLE	S66XXN7269	0	0		300	900
GLACIER 10 SHEEN	H66XXW7151	0	0		0	0
CAMEO 10 SHEEN	H66XXW7147	0	0		400	1200
BISQUE 10 SHEEN	H66XXW7149	0	0		0	0
CREAM 10 SHEEN	H66XXH7150	0	0		5	15
GARDENIA 10 SHEEN	H66XXW7148	0	0		5	15
BLACK GLAZE	S66XXB6839	4	3		13	39
PRE STAIN MAPLE SPICE	P63BXN7516	0	0		0	0
MAPLE SPICE WIPE STAIN	S64XXN7598	2	2		1	3
GINGER PRE STAIN MAPLE	P63BXN8534	0	0		0	0
GINGER WIPE STAIN MAPLE	S64XXN7655	0	0		0	0
GINGER PRE STAIN ALDER	P63BXN7028	0	0		12	36
GF WASHCOAT	T67XXC7729	0	0		0	0
HAZELNUT	S64XXN7850	0	1	1	4	12
MASK WASH	RCMW	0	0		0	0
BRIE GLAZED 10 SHEEN	H66XXH8308	0	0		0	0
BRIE GLAZED 30 SHEEN	H66XXH8216	0	0		0	0
VICTORIAN GLAZED 10 SHEEN	H66PXH11490-1497	0	0		5	15
VICTORIAN GLAZED 30 SHEEN	H66XXH8215	0	0		10	30
LINEN GLAZED 10 SHEEN	H66XXH8309	0	0		0	0
LINEN GLAZED 30 SHEEN	H66XXH8217	0	0		0	0
GINGER WIPE OLD	S64XXN8291	1	1		23	69
AMARANTH	P63BXG8541	5	5	10	60	180
BUXTON BLUE	P63BXL8542	0	0		0	0
SILKTASSLE	P63BXL8543	5	5	5	50	150
EUCALYPTUS	P63BXA8544	5	5		85	255
JUNIPER	P63BXG8569	5	0		15	45
NEW SUNSET	8330	0	0		0	0
EUCALYPTUS CON VARN	H66XXA8531	0	0		0	0
GLAZED PENNYROYAL	H66XXA8724	0	0		0	0
GLAZED GOLDENSEAL	H66XXH8727	0	0		15	45
GLAZED SAGE	H66XXL8730	0	0		8	24
VERBENA	H66XXG8532	0	0		0	0
GLAZED CHAMOMILE	H66XXH8725	0	0		0	0
GLAZED VALERIAN	H66XXL8728	0	0		0	0
GLAZED OATSTRAW	H66XXG8731	0	0		0	0
GLAZED THISTLE	H66XXG8723	0	0		0	0
GLAZED HAWTHORNE	H66XXG8726	0	0		0	0
GLAZED LARKSPUR	H66XXL8729	0	0		5	15

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GLAZED BLUEBERRY	H66XXG8732	0	0		0	0
ROSE	S64XXR4730	1	1		0	0
CATALYST	V66V26	0	0		0	0
KEM VAR BLACK GLAZE	S66XXB8527	3	3		2	6
TIMBER STAIN	S64XXB6767	1	2	1	13	39
TIMBER DYE STAIN	S61XXB6766	2	2		17	51
CARMEL PRE STAIN	P63BXN8193	0	0		0	0
CARMEL WIPE STAIN	S64XXN8194	0	0		3	9
JAVA PRE STAIN	P63BXN8681	5	5		25	75
50% PAPYRUS	H66XXW9050	0	0		0	0
KEM VAR BROWN GLAZE	S66XXN9211	0	0		0	0
VARN SURFACER WHITE	E63XXW50	0	0		70	210
NEW TOPCOAT	V84FH126	100	53	53	1132	3396
EEP REDUCER	R6K35	10	10		7	21
30 SHEEN TC	V84XXC9745	0	0		0	0
ALABASTER	H66XXH9463	0	0		0	0
NEW BROWN GLAZE	S66XXN9434	2	3	2	22	66
SURFSIDE	H66XXW9250	0	0		0	0
POPULAR GRAY	H66XXA9935	0	0		0	0
RAVE RED	H66XXR9999	0	0		0	0
ROYCROFT COPPER	P63BXR10061	0	0		1	3
DOVER WHITE	H66XXW9508	0	0		0	0
DUNE	P63BXH10341	5	5		20	60
BRICK	P63BXR10254	0	0		0	0
BROWNSTONE GLAZE	S66XXN10122	1	1		2	6
LACQUER/SW	LACQUER/SW	0	0		0	0
SLATE	P63BXL10342-1497	5	5		20	60
WATER WHITE VARN	V84F98	0	0		0	0
PLEASANTON PRESTAIN	P63BXN10034	5	5		0	0
NEW BLACK GLAZE	S66XXB9994	1	1		12	36
RAIN WASHED	H66XXG10198	0	0		0	0
PEWTER	P63BXA10340	10	10		90	270
CONSERVATIVE GRAY	H66XXA10200	0	0		0	0
COLOR MATCH	H66XXH10181	0	0		0	0
LOW SHEEN TC	V84XXC4224	0	0		1	3
LIVERMORE PRESTAIN	P63BXN10038	5	5		0	0
SAN CARLOS PRE STAIN	P63BXN10036	5	5		0	0
LANTERN LIGHT	H66XXY10199	0	0		0	0
LIVERMORE STAIN	S64XXN10039	1	1		0	0
SAN CARLOS WIPE	S64XXN10037	1	1		1	3
PLEASONTON WIPE	S64XXN10035	1	1		0	0
VERBENA	P63BXG8545	5	5		30	90
TWILIGHT	S64XXW5654	1	1		0	0
R7K35	R7K35	0	0		0	0
R7K140	R7K140	0	0		0	0
R6K34	R6K34	6	6		5	15
R6K30	R6K30	0	0		0	0
AMARANTH	H66XXG8528	0	0		0	0
JUNIPER	H66XXL8529	0	0		0	0
SILTASSLE	H66XXH8530	0	0		0	0
50 SHEEN	V84FXC96	10	10		1	3
WINDHAM CREAM	H66XXH10474	0	0		0	0
BEN MOORE	H66XXH10726	0	0		0	0
GS1155 MATCH	H66XXH10181	0	0		0	0
MATTE	V84FH161	0	0		0	0
HARBOR MIST	H66XXA10438	0	0		0	0
DISTANCE	H66XXL10503	0	0		0	0
GS1211	P63BXN10567	0	0		0	0
GS1211 WIPE	S64XXN10568	0	0		0	0
GS1211 GLAZE	S66XXN10569	0	0		0	0
LOW GLOSS	H66XXW53	0	0		0	0
KEMVAR SOLVENT	R7K310	0	0	5	105	315
BUTYL ACETATE	R6K18	0	0		0	0
SHELL WHITE	H66XXW10686-1497	0	0		0	0
FRENCH WHITE	H66XXH10437-1497	0	0		0	0
EVENING DOVE	H66XXA10770-1497	0	0		0	0
V66V21 DILUTED	V66XXV10578-1497	20	20		100	300
ESSENTIAL GRAY	H66XXA10781-1497	0	0		0	0
SURFSIDE 10 SHEEN	H66XXW10241	0	0		0	0
ACETONE 5 SW	R6K9E	0	0		35	105
SURFSIDE	P63BXW10847	5	5	5	85	255
DORIAN GRAY	S66XXA10331	2	2		11	33
CAMEO	E63PLH10648	0	0		10	30
CAMEO 30	H66PXH12375	20	10	5	155	465
CARMAEL MATCH	P63BXN10855	0	0		0	0
CHERRY MATCH	P63BXR10856	0	0		0	0
COURTYARD	H66XXG10727	0	0		0	0
MATCH 6189	H66XXG10883	0	0		0	0
MERLOT STAIN	S64XXR10980-1497	0	0		0	0
GARDENIA	H66PXW10945-1497	0	0	5	85	255
MERLOT PRESTAIN	S64XXR10979-1497	0	0		0	0
STEELY GRAY	H66PXA11065-1497	0	0		0	0
GS1305 NO WIPE CHERRY	P63BXR11031-1497	0	0		0	0
GRAY CASHMERE	H66XXA11036-1497	0	0		0	0
SW7018 DOVETAIL 30 SHEEN	H66XXA11039-1497	0	0		0	0
SW6485 RAINDROP	H66PXL11062-1497	0	0		0	0
GREY GLAZED SURFSIDE 30	H66PXW11123-1497	0	5	5	20	60
GREY GLAZED CAMEO 30	H66PXH11121-1497	5	5		12	36
GREY GLAZED GLACIER 30	H66PXW11120-1497	0	5	5	20	60
GREY GLAZED BISQUE 30	H66PXH11122-1497	5	5		0	0
GREY GLAZED GARDENIA 30	H66PXW11119-1497	5	5		5	15
GLAZED BLACK GLACIER 30	H66PXW11096-1497	1	1	1	15	45
GLAZED BLACK PEWTER 10	H66PXA11097-1497	1	1		4	12
GLAZED BROWN PEWTER 10	H66PXA11098-1497	1	1		1	3
GLAZED BLACK LATTE 10	H66PXH11099-1497	0	1	1	6	18
GLAZED BLACK DUNE 10	H66PXH11100-1497	0	1	1	2	6
GLAZED BROWN DUNE 10	H66PXH11101-1497	1	1		2	6
GLAZED BLACK PEWTER 30	H66PXA11129-1497	1	1		2	6
AMARANTH BK GL 10	H66PXG11127-1497	5	7	2	5	15
CAMEO 10 SHEEN	H66PXH11110-1497	10	20	15	40	120
GS1288 MATCH	H66PXG11115-1497	0	0		0	0
LINEN GLAZED 30 SHEEN	H66PXH11111-1497	3	20	20	6	18
SILKTASSLE BK/BR GLAZE	H66PXH11112-1497	0	5	5	20	60

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SURFSIDE 10 SHEEN	H66PXW11050-1497	5	5		15	45
SURFSIDE 30	H66PXW10947-1497	0	0		165	495
BISQUE 30	H66PXW11069-1497	0	0		0	0
GLACIER TOPCOAT	H66PXW10943-1497	0	0		270	810
SW 7668 MARCH WIND	H66PXA11146-1497	0	0		0	0
10 SHEEN TOPCOAT	V84XXC11170-1497	0	0		0	0
THUNDER GRAY	H66PXA11203-1497	0	0		0	0
LINEN WHITE	H66PXW11198-1497	0	0		0	0
SUNSET PRE STAIN	P63BXN10772-1497	5	5		3	9
MAPLE SPICE SPRAY NO WIPE	P63BXN11151-1497	0	0		0	0
MAPLE AMBERGLO SPRAY NO WIPE	P63BXN11152-1497	0	0		0	0
GLACIER 30 SHEEN	H66PXH10944-1497	10	10		15	45
CREAM 30 SHEEN	H66PXH11195-1497	0	0		5	15
WATERWHITE VARNISH	V84FH98	0	0		0	0
GLACIER 10 SHEEN	H66PX11171-1497	10	10	5	115	345
GREEN 30	H66PXG11271	0	0		0	0
SW 6189	H66PXG11115-1497	0	0		0	0
GF3867	H66PXW11283	0	0		0	0
SEAL SKIN	H66PXA11270-1497	0	0		0	0
SUNSET SPRAY	P63BXN11139-1497	0	0		0	0
GARDENIA	E63PLW11172-1497	0	0		0	0
10 SHEEN CONV VARN	V84XXC11241-1497	50	50		550	1650
DIGNITY BLUE	H66PXL11255-1497	0	0		0	0
BUTTER UP	H66PXY11212-1497	0	0		0	0
SILVER PLATE	H66PXA11250-1497	0	0		0	0
CREAM PRIMER	E63PLH11258	0	0		0	0
GLAZED SAND 10 SHEEN	H66PXH11240-1497	1	1		5	15
GLAZED VERBENA	H66PXG11362-1497	0	0		0	0
WHITE PRE REDUCED	E63PLW11365-1497	0	0		0	0
GLAZED SAGE	H66PXL11361-1497	0	0		1	3
WHAT IS NAME OF MATERIAL	H66PXW11342	0	0		0	0
MAXI TEAL 30	H66PXG11335-1497	0	0		0	0
GARDENIA 10 SHEEN	H66PXW11268-1497	0	0		50	150
LATTE BRN/BLK GLAZE	P63BXH11410	0	0		10	30
GARDENIA BRN/BLK GLAZE	P63BXW11419	5	5		20	60
CAMEO BRN/BLK GLAZE	P63BXH11412	0	0		25	75
GLACIER BRN/BLK GLAZE	P63BXW11417	0	0		35	105
AMARANTH BRN/BLK GLAZE	P63BXG11409	0	0		5	15
VERBENA BRN/BLK GLAZE	P63BXG11408	0	0		10	30
SILKTASSLE BRN/BLK GLAZE	P63BXH11411	0	0		20	60
EUCALYPTUS BRN/BLK GLAZE	P63BXA11406	0	0		20	60
JUNIPER BRN/BLK GLAZE	P63BXG811407	0	0		5	15
SURFSIDE	P63BXW11418	0	0		20	60
V22 DILUTED	V66XXV11364	15	15		40	120
CHANTILLY LACE	H66PXW11448	0	0		0	0
DUNE NOT REDUCED	P63BXH11413	0	0		10	30
WINDS BREATH	H66PXH11443	0	0		0	0
BEN MOORE/ICICLE	H66PXW11395	0	0		0	0
BEN MOORE/BABY BR	H66PXW11396	0	0		0	0
GLAZED VICTORIN	H66PXH11393	0	0		0	0
EXTRA WHITE	H66PXW11404	0	0		0	0
BRIE	H66PXH10946	0	0		5	15
CHERRY TOMATO	H66PXR11323	0	0		0	0
DOWNY	H66PXW11394	0	0		0	0
STONE GRAY	H66PA11392	0	0		0	0
SAND BRN/BLK NOT PRE	P63BXW11416-1497	0	0		10	30
EUCALYPTUS BK/BR GLAZ	H66PXA11299-1497	5	5		16	48
FAWN PRESTAIN	P64BXN11494	5	5		5	15
FAWN STAIN	S64XXN11495	2	2	1	12	36
PRAIRIE	S64XXN11496	1	1		0	0
COASTAL PRESTAIN	S64XXN11497	0	0		7	21
COASTAL STAIN	S64XXN11498	0	0		4	12
PLANTATION	S64XXN12878-1286	1	1		0	0
CLOVE	S64XXN11506	0	0		0	0
BREAKWATER PRESTAIN	P63BXN12421	2	2		15	45
BREAKWATER	P63BXN12420	3	3		7	21
VAGUELY MAUVE	H66PXA11530	0	0		0	0
BEN MOORE 001 WHITE PART	H66PXW11321	0	0		0	0
HARBOR WHITE	H66PXW11992	5	5		50	150
CREAM BRG/BLK NOT PRE	P63BXH11414	0	0		15	45
CAIRO STAIN ALDER	S64XXN11468	0	0		0	0
BEN MOORE OC-62 BABYS B	H66PXW11396-1497	0	0		0	0
7074 SOFTWARE	H66PXA11491	0	0		0	0
BEN MORE 2137-60 GRAY	H66PXA11566-1497	0	0		0	0
BISQUE 10 SHEEN	H66PXW11280-1497	5	5		0	0
CLOVE	S64XXN4506-1286	2	2		4	12
CORDOVAN TONER	T69XXN12511-1286	5	5		2	6
PLANTATION TONER	T69XXN12879-1286	5	5		0	0
PEWTER NOT REDUCED	P63BXA11405-1497	0	0		5	15
BRICK	P63BXR10254-1497	0	0		5	15
REPOSE GRAY	H66PXA12773-1286	20	20		25	75
DORIAN GRAY	H66PXA12774-1286	5	5		10	30
BLACK FOX	H66PXA12777-1268	0	0		10	30
GAUNLET GRAY	H66PXA12776-1286	15	20	10	21	63
MATTERS PAR	H66PXA12778-1286	10	10		20	60
CRISP LINEN 30	H66PXW11659	0	0		0	0
FEDERAL CHERRY	P63BXR12413-1286	5	5		45	135
SLATE NOT REDUCED	P63BXL11415-1497	0	0		5	15
MAPLE GINGER	S64XXN12931-1286	0	0		0	0
DOVE TAIL	H66PXA12775-1286	5	10	5	20	60
BEACH WHITE	H66PXW11621-1497	0	0		2	6
CITY SCAPE	H66PXA12779-1286	5	10	5	10	30
NEW CAB TONER	T69XXN12437-1286	5	10	5	17	51
NEW GINGER TONER	T69XXN12512-1286	10	10		7	21
NEW SPICE TONER	T69XXN12302-1286	0	0		15	45
BRICK NOT PRE REDUCED	P63BXR11560-1497	0	0		0	0
CORSI SS PRE	T69XXN12930-1286	5	5		10	30
SEA REFLECTIONS	H66PXL11722-1497	0	0		0	0
CORSI SS STAIN	S64XXN12813-1286	1	1		3	9
CORSI AMBER PRE	T69XXN12929-1286	0	0		0	0
CORSI AMBER STAIN	S64XXN12436-1286	0	0		2	6
NEW MAPLE GINGER PRE	P63BXN12875-1286	0	0		0	0
NEW MAPLE GINGER STAIN	S64XXN12931-1286	0	0		0	0

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CORSI NEW SPICE TONER	T69XXN12812-1286	0	0		10	30
CORSI NEW SPICE STAIN	S64XXN12811-1286	0	0		0	0
CAMEO 15 SHEEN	H66PXH11746-1497	0	0		0	0
COASTAL PRE NEW	P63BXN13312-1286	0	0		0	0
COASTAL STAIN NEW	S64XXN13313-1286	2	2		0	0
BREAKWATER PRE NEW	P63BXN13311-1286	0	0		0	0
BREAKWATER STAIN NEW	S64XXN13314-1286	0	0		0	0
EUCAL BRGL VAR	H66PXL11760-1497	5	5		5	15
VERB BKGL VAR	H66PXL11763-1497	0	0		4	12
BLUE BLOOD	H66PXL11789-1497	0	0		0	0
EXTRA WHITE 10 SH	H66PXW11688-1497	0	0		0	0
BLUE BLOOD 50 SHEEN	H66PXL11779-1497	0	0		0	0
1603 GRAPHITE	H66PXA11864-1497	0	0		0	0
NAVAJO WHITE PAR	H66PXH11227-1497	0	0		0	0
7008 ALABASTER	H66PXH11870-1497	0	0		0	0
SNOWBOUND 30 SH	H66PXW11865-1497	0	0		0	0
HEARTS OF PALM	H66PXG11903-1497	0	0		0	0
REQUISITE GRAY	H66PXA11894-1497	0	0		0	0
BERMUDA BLUE	H66PXA11892-1497	0	0		0	0
AQUARIUS	S64XXL11908-1497	0	0		0	0
CAPRI	H66PXL11906-1497	0	0		0	0
FOUNTAIN	H66PXL11905-1497	0	0		0	0
SEA SALT	H66PXG11904-1497	0	0		5	15
GRAY OAK	H66PXA11922-1497	0	0		0	0
GRAY OAK GLAZE	S66XXN11923-1497	0	0		0	0
STARRY NIGHT	H66PXL11929-1497	0	0		0	0
COMMODORE	H66PXL11928-1497	0	0		0	0
GLAD YELLOW	H66PXY11950-1497	0	0		0	0
BUTTER UP NEW	H66PXY11949-1497	0	0		0	0
DYNAMO	H66PXR11952-1497	0	0		0	0
CREATIVE GREEN	H66PXG11958-1497	0	0		0	0
BLUE MATCH	H66PXL11959	0	0		0	0
GARDENIA 50	H66PXW11971	0	0		0	0
BLACK 50	H66PXB11970	0	0		0	0
GLACIER 50	H66PXW11155	15	20	5	21	63
GAUNLET GRAY	P63BXA11997	0	5	10	10	30
CITY SCAPE	P63BXA11998	0	0		10	30
BALMY 10 SHEEN	H66PXL12079-1497	0	0		1	3
COASTAL PLAIN	H66PXG12056-1497	0	0		0	0
MEDITATIVE	H66PXL12059-1497	0	0		0	0
PASSIVE 30	H66PXA12057-1497	0	0		0	0
DISTANCE	H66PXL13819-1286	0	0		0	0
PERRY 10	H66PXB13524-1286	0	0		0	0
GOLDFINCH	P63BXY12100	0	0		0	0
PEWTER GREEN	H66PXG13929-1286	0	0		0	0
BLACK FOX	P63BXA12127-1497	0	0		0	0
NEBULOUS WHITE	H66PXW14048-1286	0	0		0	0
REPOSE GRAY 30	H66PXA12108-1497	0	0		0	0
VAR SURF WHITE	E63W50	135	75	160	1680	5040
NANTUCKET GRAY	H66PXA12130-1497	0	0		0	0
SURFSIDE 15 SHEEN	H66PXW12172-1497	0	0		0	0
OATMEAL	H66PXN12896-1286	0	0		1	3
HARBOR WHITE 10	H66PXW12206-1497	0	0		2	6
RESPITE	H66PXL12191-1497	0	0		1	3
CORSI STAIN GS1616	P63BXR12240-1497	0	0		2	6
CORSI PRESTAIN GS1616	S64XXR12241-1497	0	0		1	3
SURFSIDE 50 SHEEN	H66PXW12246-1497	0	0		1	3
THRESHOLD GRAY 5	H66PXN14762-1286	0	0		4	12
LAZY GRAY 30	H66PXA14763-1286	0	0		2	6
FRIENDLY YELLOW	H66PXY12316-1497	0	0		10	30
OLD GLORY	H66PXL14825-1286	0	0		4	12
DARK KNIGHT	H66PXL14824-1286	0	0		12	36
SIMPLY WHITE	H66PXW13837-1286	0	0		21	63
AGREEABLE GRAY	H66PXG14836-1286	0	0		2	6
SCANDA	H66PXN14842-1286	0	0		20	60
DARK CHERRY	T69XXN14795-1286	0	0		2	6
SADDLE PRE STAIN	T69XXN14496-1286	10	10		12	36
SADDLE	S64XXN14497-1286	1	1		4	12
ENGLISH	S64XXH4240-1407	3	3		2	6
MEGA GREIGE	H66PXG14935-1286	0	0		5	15
ACCESSIBLE BEIGE	H66PXN14936-1286	0	0		10	30
GARDENIA 30	H66PXW12358-1497	10	25	20	90	270
SURFSIDE 30 NO RED	H66PXW12352-1497	0	0		5	15
OFF COLOR SURFSIDE	H66PXW12333-1497	0	0		5	15
SILKTASSLE BRN GL	H66PXH11300-1497	5	5		0	0
WHITE WHISP	H66PXW14898-1286	0	0		1	3
STONEY GRAY	H66PXG14897-1286	0	0		1	3
REPOSE GRAY 50 SH	H66PXA12331-1497	0	0		1	3
PRE STAIN ENGLISH	P63BXN14877-1286	10	10		130	390
AESTHETIC WHITE	H66PXW12387-1497	0	0		9	27
NATURAL LINEN	H66PXN15030-1286	0	0		5	15
GLACIER 30 SHEEN	H66PXW12369-1497	85	60		365	1095
HALCYON GREEN	H66PXG12383-1497	0	0		1	3
NAVAJO WHITE	H66PXW15003-1286	0	0		2	6
SURFSIDE 30	H66PXW12363-1497	45	35		130	390
WEB GRAY	H66PXA12418-1497	0	0		2	6
ACCESSIBLE BEIGE	H66PXH12431-1497	0	0		1	3
CAMEO 50	H66PXH10722-1286	0	0		1	3
GRAY MATTERS 50	H66PXA13487-1286	0	0		2	6
CHERRY ON CHERRY PRE	P63BXN12428-1497	0	0		3	9
CHERRY ON CHERRY	S64XXN12429-1497	0	0		2	6
KITCHEN VIEWS PRESTAIN	P63BXN12422-1497	0	0		3	9
KITCHEN VIEWS STAIN	S64XXN12423-1497	0	0		2	6
STERLING	H66PXA12393-1497	0	0		3	9
PEPPERY 10	h66pxr12455-1497	0	0		2	6
GRAY MATTERS PAR	P63BXA12459-1497	0	0		1	3
COLONIAL CREAM	H66PXH12458-1497	0	0		7	21
GF13736	H66PXN15047-1286	0	0		1	3
KITVIEWS PRESTAIN	P63BXN12422-1497	0	0		1	3
KITVIEWS STAIN	S64XXN12423-1497	0	0		1	3
GARDENIA 50	H66PXW12478-1497	0	0		7	21
SAYBROOK	H66PXG15373-1286	0	0		7	21
PEWTER 30	H66PXA13838-1286	15	15		1	3

MATERIAL	MATERIAL ID NUMBER	PREVIOUS MONTH'S ENDING INVENTORY (GAL)	CURRENT MONTH'S ENDING INVENTORY (GAL)	CURRENT MONTH'S RECEIPTS (GAL)	ACTUAL YEAR'S USAGE (GAL)	PROPOSED YEAR'S USAGE (GAL)
MCLELLAN GLACIER 30	H66PXW12520-1497	0	0		1	3
SEATLE MIST	H66PXG15400-1286	0	0		3	9
DRIFTWOOD TONER	T69XXA15374-1286	0	0		1	3
BLACK GLAZE	S66XXB12192-1286	0	0		1	3
BLACK 10SHEEN	H66XXB9766-1286	5	5		1	3
AMERANTH 10	H66PXG13697-1286	5	5		5	15
PEWTER 50	H66PXA12496-1497	2	2		0	0
TONY TAUPE	P63BXN15435-1286	15	15		0	0
NEW DUNE 30	H66PXN14008-1286	2	2		0	0
NEW DUNE 10 SHEEN	H66PXH14034-1286	2	2		0	0
SAND 30	H66PXN13663-1286	10	20	15	5	15
SILKTASSLE 30	H66PXN14081-1286	15	15		0	0
REVERE PEWTER	H66PXA15498-1286	7	7		0	0
CAMEO 30 SPECIAL	H66PXH12575-1497	1	1		0	0
BLACK GLAZE	S66XXB15192-1286	1	1		0	0
PAVILLION GRAY	H66PXA15544-1286	6	6		0	0
JUNIPER 30	H66PXL13976-1286	10	10		0	0
CORSI 10 SH TC	V84XXC15006-1286	5	5		0	0
REPOSE BLK GL	H66PXA12674-1497	0	3	3	0	0
CLOUD WHITE 30	H66PXW12686-1497	0	5	5	0	0
BARNWOOD STAIN	S64XXN15046-1286	0	1	1	0	0
GRAY MIST 30	H66PXA12684-1497	0	10	10	0	0
VERBENA 30	H66PXG12689-1497	0	2	2	0	0
VERBENA 10	H66PXG12690-1497	0	1	1	0	0
					Total =	35031

Greenfield Cabinetry, LLC
Cabinet Manufacturing Facility

POTESTA & ASSOCIATES, INC
Project Number 0101-15-0013

By: ADM
Date: 03/26/2015

Checked by: CCS
Date: 4/30/15

REFORMULATED COATING MATERIAL EMISSIONS- USING SHERWIN WILLIAMS MATERIALS
Codes: W=paint wiped on, S = paint sprayed

MATERIAL NAME	PRODUCT NUMBER	DENSITY		POLLUTANT	CONCENTRATION	UNIT	LBS/GAL	YEARLY USE (GAL)	EMISSION (LB/YEAR)	EMISSION (TONS/YEAR)
SW GLACIER	P63BXW4877	8.75	S	TOLUENE	5	% WT.	0.4375	1335	584.0625	0.29203125
				ETHYLBENZENE	1	% WT.	0.0875		116.8125	0.05840625
				XYLENE	7	% WT.	0.6125		817.6875	0.40884375
				MEK	7	% WT.	0.6125		817.6875	0.40884375
				MIBK	3	% WT.	0.2625		350.4375	0.17521875
				VOC	65	% WT.	5.6875		7,592.81	3.79640625
				SOLIDS	35	% WT.	3.0625		4,088.44	2.04421875
SW KEM VAR CATALYST	V86V21	8.01	S	MEK	2	% WT.	0.1602	735	117.747	0.0588735
				VOC	60.55	% WT.	4.850055		3,564.79	1.782395213
				SOLIDS	39.45	% WT.	3.159945		2,322.56	1.161279788
SHWD PRCT CATALYST	V86V22	8.75	S	VOC	50.05	% WT.	4.379375	111	486.110625	0.243055313
				SOLIDS	49.94	% WT.	4.36875		485.042125	0.242521125
CINNAMON	S64XXN5002	8.01	W	VOC	36.2	% WT.	2.89962	114	330.15668	0.16527834
				SOLIDS	63.67	% WT.	5.099967		581.398238	0.290698119
GREEN	P63BXG4940	8.17	S	TOLUENE	4	% WT.	0.3268	0	0	0
				ETHYLBENZENE	0.8	% WT.	0.06536		0	0
				XYLENE	5	% WT.	0.4085		0	0
				MEK	2	% WT.	0.1634		0	0
				MIBK	7	% WT.	0.5719		0	0
				VOC	72.3	% WT.	5.90691		0	0
				SOLIDS	27.7	% WT.	2.26309		0	0
BUTTER CREAM	P63BXH4939	8.74	S	TOLUENE	5	% WT.	0.437	300	131.1	0.06555
				ETHYLBENZENE	1	% WT.	0.0874		26.22	0.01311
				XYLENE	7	% WT.	0.6118		183.54	0.09177
				MEK	8	% WT.	0.6992		209.76	0.10488
				MIBK	3	% WT.	0.2622		78.66	0.03933
				VOC	64	% WT.	5.5936		1678.08	0.83904
				SOLIDS	36	% WT.	3.1464		943.92	0.47196
GARDENIA	P63BXW4718	8.75	S	TOLUENE	5	% WT.	0.4375	600	262.5	0.13125
				ETHYLBENZENE	1	% WT.	0.0875		52.5	0.02625
				XYLENE	7	% WT.	0.6125		367.5	0.18375
				MEK	7	% WT.	0.6125		367.5	0.18375
				MIBK	3	% WT.	0.2625		157.5	0.07875
				VOC	35	% WT.	3.0625		1837.5	0.91875
				SOLIDS	65	% WT.	5.6875		3412.5	1.70625
LINEN	P63BXW4717	9.74	S	TOLUENE	5	% WT.	0.487	135	65.745	0.0328725
				ETHYLBENZENE	1	% WT.	0.0974		13.149	0.0065745
				XYLENE	7	% WT.	0.6818		92.043	0.0460215
				MEK	7	% WT.	0.6818		92.043	0.0460215
				MIBK	3	% WT.	0.2922		39.447	0.0197235
				VOC	65.2	% WT.	6.35048		857.3148	0.4286574
				SOLIDS	34.8	% WT.	3.38952		457.5852	0.2287926
VICTORIAN	P63BXH4893	8.72	S	TOLUENE	5	% WT.	0.436	75	32.7	0.01635
				ETHYLBENZENE	1	% WT.	0.0872		6.54	0.00327
				XYLENE	7	% WT.	0.6104		45.78	0.02289
				MEK	7	% WT.	0.6104		45.78	0.02289
				MIBK	3	% WT.	0.2616		19.62	0.00981
				VOC	34.6	% WT.	3.01712		226.284	0.113142
				SOLIDS	65.4	% WT.	5.70288		427.716	0.213858
GLAZE	S66XXN4895	7.97	W	VOC	45.5	% WT.	3.62635	48	174.0648	0.0870324
				SOLIDS	54.5	% WT.	4.34365		208.4952	0.1042476
HAPS FREE REDUCER	R7K305	6.84	S	VOC	100		6.84	405	2,770.20	
SW LF 5 SHEEN	V84XXC5157	8.03	S	VOC	67	% WT.	5.3801	0	0	0
				SOLIDS	33	% WT.	2.6499		0	0
SW MINERAL SPIRITS	174-2331	6.35	W	VOC	100	% WT.	6.35	123	781.05	0.390525
SW SUNSET	S64XXY5337	8.85	W	ETHYLBENZENE	0.1	% WT.	0.00885	15	0.13425	0.000067125
				VOC	49	% WT.	4.3365		65.7825	0.032891125
				SOLIDS	51	% WT.	4.5635		68.4675	0.03423375
FRENCH VANILLA	S64XXW5518	8.11	W	VOC	68	% WT.	5.5148	0	0	0
				SOLIDS	32	% WT.	2.5952		0	0
BLACK PAINT	P63BXB5126	7.37	S	ETHYLBENZENE	0.2	% WT.	0.01474	195	2.8743	0.00143715
				MEK	7	% WT.	0.5159		100.6005	0.05030025
				VOC	85	% WT.	6.2645		1,221.58	0.61078875
				SOLIDS	15	% WT.	1.1055		213.5725	0.10778625
140 FLASH	RJE140	6.5	S	VOC	100	% WT.		6	39	
SW MOCHA	S64XXW5338	7.78	W	VOC	74	% WT.	5.7572	3	17.2716	0.0086358
				SOLIDS	26	% WT.	2.0228		6.0684	0.0030342
SW GINGER	S64XXN5418	7.85	W	VOC	70	% WT.	5.495	0	0	0
				SOLIDS	30	% WT.	2.355		0	0
SW AMBERGLO	S64XXY5336	8.2	W	VOC	63	% WT.	5.166	6	30.996	0.015498
				SOLIDS	37	% WT.	3.034		18.204	0.009102
SW CRYSTAL	S64XXW5653	6.77	W	VOC	91	% WT.	6.1607	3	18.4821	0.009241105
				SOLIDS	9	% WT.	0.6093		1.8279	0.000913395
SW EMERALD	S64XXG5656	7.31	W	VOC	70	% WT.	5.117	0	0	0
				SOLIDS	30	% WT.	2.193		0	0
SHWD STN CON CLR	S64728	7.56	W	VOC	43	% WT.	3.2508	18	58.5144	0.0292572
				SOLIDS	57	% WT.	4.3092		77.5656	0.0387828
SW CABERNET	S64XXN5463	7.75	W	VOC	68	% WT.	5.27	30	158.1	0.07905
				SOLIDS	32	% WT.	2.48		74.4	0.0372
SW FROST	S66XXW5519	9.78	W	[illegible]	4	% WT.	0.3912	0	0	0
				VOC	47	% WT.	4.5966		0	0
				SOLIDS	53	% WT.	5.1834		0	0
NEW LF SEALER	V81FL2	7.89	S	[illegible]	10	% WT.	0.789	1695	1,337.36	0.6686775
				VOC	62	% WT.	4.8918		8,291.60	4.1458005
				SOLIDS	38	% WT.	2.9982		5,081.95	2.5409745
NEW LF TC	V84XXC5751	7.96	S	VOC	57	% WT.	4.5372	0	0	0
				SOLIDS	43	% WT.	3.4228		0	0
MARSHMALLOW	P63BXH5829	8.85	S	TOLUENE	6	% WT.	0.531	60	31.86	0.01593
				ETHYLBENZENE	1	% WT.	0.0885		5.31	0.002655
				XYLENE	7	% WT.	0.6195		37.17	0.01858 5
				MEK	7	% WT.	0.6195		37.17	0.018585
				MIBK	3	% WT.	0.2655		15.93	0.007965
				VOC	64	% WT.	5.664		339.84	0.16992
				SOLIDS	36	% WT.	3.186		191.16	0.09558

By: ADM
Date: 03/26/2015

Checked by: CCS
Date: 4/30/15

REFORMULATED COATING MATERIAL EMISSIONS- USING SHERWIN WILLIAMS MATERIALS
Codes: W=paint wiped on, S = paint sprayed

MATERIAL NAME	PRODUCT NUMBER	DENSITY		POLLUTANT	CONCENTRATION	UNIT	LBS/GAL	YEARLY USE (GAL)	EMISSION (LB/YEAR)	EMISSION (TONS/YEAR)
SPICE STAIN	S64XX06210	7.25	W	VOC	61	% WT.	4.4225	21	92.8725	0.04643625
				SOLIDS	39	% WT.	2.8275		59.3775	0.02968875
SPICE PRE STAIN	P63BXN6209	7.11	S	TOLUENE	1	% WT.	0.0711	30	2.133	0.0010665
				ETHYLBENZENE	3	% WT.	0.2133		6.399	0.0031995
				XYLENE	1	% WT.	0.0711		2.133	0.0010665
				H2O	3	% WT.	0.2133		6.399	0.0031995
				VOC	88	% WT.	6.2568		187.704	0.093852
				SOLIDS	12	% WT.	0.8532		25.596	0.012798
CORDOVAN CHERRY	S64XXR6620	7.21	W	VOC	24	% WT.	1.7304	0	0	0
				SOLIDS	76	% WT.	5.4796		0	0
CORDOVAN ALDER	S64XXR5621	7.41	W	VOC	74	% WT.	5.4834	0	0	0
				SOLIDS	26	% WT.	1.9266		0	0
CORNSILK	P63BXH6614	7.15	S	VOC	84	% WT.	6.006	0	0	0
				SOLIDS	16	% WT.	1.144		0	0
WASHDOWN 101	617002	6.93	W	VOC	100	% WT.	6.93	5610	38877.3	19.43865
									0	
KEMVAR PRIMER CAMEO	E63XXH7113	7.09	S	ETHYLBENZENE	3	% WT.	0.2127	0	0	0
				TOLUENE	2	% WT.	0.1418		0	0
				XYLENE	19	% WT.	1.3471		0	0
				VOC	52	% WT.	3.6868		0	0
				SOLIDS	48	% WT.	3.4032		0	0
PIG CONV VARN CAMEO	H66XXH7114	9.09	S	ETHYLBENZENE	1	% WT.	0.0909	0	0	0
				XYLENE	7	% WT.	0.6363		0	0
				METHANOL	2	% WT.	0.1818		0	0
				VOC	46	% WT.	4.1814		0	0
				SOLIDS	54	% WT.	4.9086		0	0
SHWD PRIMER BISQUE	E63XXW6990	9.59	S	ETHYLBENZENE	3	% WT.	0.2877	0	0	0
				TOLUENE	2	% WT.	0.1918		0	0
			S	XYLENE	19	% WT.	1.8221		0	0
				VOC	51	% WT.	4.8909		0	0
				SOLIDS	49	% WT.	4.6991		0	0
PIG CONV VARN BISQUE	H66XXW7071	9.01	S	ETHYLBENZENE	1	% WT.	0.0901	0	0	0
				XYLENE	7	% WT.	0.6307		0	0
				METHANOL	2	% WT.	0.1802		0	0
				VOC	46	% WT.	4.1446		0	0
				SOLIDS	54	% WT.	4.8654		0	0
SHWD PRIMER CREAM	E63XXH7068	9.59	S	ETHYLBENZENE	3	% WT.	0.2877	0	0	0
				TOLUENE	2	% WT.	0.1918		0	0
				XYLENE	19	% WT.	1.8221		0	0
				VOC	51	% WT.	4.8909		0	0
				SOLIDS	49	% WT.	4.6991		0	0
PIG CONV VARN CREAM	H66XXH7072	9.01	S	ETHYLBENZENE	1	% WT.	0.0901	0	0	0
				XYLENE	7	% WT.	0.6307		0	0
				METHANOL	2	% WT.	0.1802		0	0
				VOC	46	% WT.	4.1446		0	0
				SOLIDS	54	% WT.	4.8654		0	0
SHWD PRIMER GARDENIA	E63XXW7069	9.51	S	ETHYLBENZENE	3	% WT.	0.2853	0	0	0
				XYLENE	19	% WT.	1.8069		0	0
				TOLUENE	2	% WT.	0.1902		0	0
				VOC	52	% WT.	4.9452		0	0
				SOLIDS	48	% WT.	4.5648		0	0
PIG CONV VAR GARDENIA	H66XXW7073	9.09	S	ETHYLBENZENE	1	% WT.	0.0909	0	0	0
				XYLENE	7	% WT.	0.6363		0	0
				METHANOL	2	% WT.	0.1818		0	0
				VOC	46	% WT.	4.1814		0	0
				SOLIDS	54	% WT.	4.9086		0	0
GINGER PRE STAIN	P63BXN7763	7.01	S	ETHYLBENZENE	0.1	% WT.	0.00701	0	0	0
				H2O	2	% WT.	0.1402		0	0
				VOC	95	% WT.	6.6595		0	0
				SOLIDS	5	% WT.	0.3505		0	0
JAVA PRE STAIN	P63BXN7061	7.01	S	H2O	3	% WT.	0.2103	0	0	0
				VOC	94	% WT.	6.5894		0	0
				SOLIDS	6	% WT.	0.4206		0	0

Greenfield Cabinetry, LLC
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POTESTA & ASSOCIATES, INC.
Project Number 0101-15-0013

By: ADM
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REFORMULATED COATING MATERIAL EMISSIONS- USING SHERWIN WILLIAMS MATERIALS
Codes: W=paint wiped on, S = paint sprayed

MATERIAL NAME	PRODUCT NUMBER	DENSITY		POLLUTANT	CONCENTRATION	UNIT	LBS/GAL	YEARLY USE (GAL)	EMISSION (LB/YEAR)	EMISSION (TONS/YEAR)
GINGER WS CHERRY MAPLE	S64XXN6930	8.01	W	COBALT 2 ETHYLHEXANOATE	0.1	% WT	0.00801	0	0	0
				VOC	60	% WT	4.806		0	0
				SOLIDS	40	% WT	3.204		0	0
SPICE PRE STAIN MAPLE	T67XXN7118	7.34	S		7	% WT	0.5138	0	0	0
				VOC	74	% WT	5.4316		0	0
				SOLIDS	26	% WT	1.9084		0	0
CABERNET F/S ALDER CHERRY	P63BXR6851	7.09	S	ETHYLBENZENE	0.1	% WT	0.00709	0	0	0
				XYLENE	2	% WT	0.1418		0	0
				VOC	93	% WT	6.5937		0	0
				SOLIDS	7	% WT	0.4963		0	0
JAVA HAZELNUT W/S ALDER	S64XXN7062	7.42	W	COBALT 2 ETHYLHEXANOATE	0.1	% WT	0.00742	48	0.35616	0.000178008
				VOC	60	% WT	4.452		213.696	0.106848
				SOLIDS	40	% WT	2.968		142.464	0.071232
FEDERAL PRE STAIN CHERRY ALDER	P63BXN7026	7.09	S	ETHYLBENZENE	0.1	% WT	0.00709	15	0.10635	0.000053175
				XYLENE	2	% WT	0.1418		2.127	0.00106635
				COBALT 2 ETHYLHEXANOATE	0.01	% WT	0.000709		0.010635	5.3175E-06
				VOC	93	% WT	6.5937		98.9055	0.049452275
				SOLIDS	7	% WT	0.4963		7.4445	0.003722225
CORDOVAN PRE STAIN CHERRY	P63BXN7106	7.17	S	TOLUENE	3	% WT	0.2151	9	1.9359	0.000967795
				XYLENE	1	% WT	0.0717		0.6453	0.000322265
				COBALT 2 ETHYLHEXANOATE	0.02	% WT	0.001434		0.012906	0.000006453
				VOC	93	% WT	6.6681		60.0129	0.03000645
				SOLIDS	7	% WT	0.5019		4.5171	0.002258855
SHWD SURFACER WHITE	E63WH11	9.39	S	ETHYLBENZENE	4	% WT	0.3836	165	63.294	0.031647
				TOLUENE	2	% WT	0.1918		31.647	0.015823 5
				XYLENE	20	% WT	1.918		316.47	0.158235
				VOC	51	% WT	4.8909		806.9985	0.40349925
				SOLIDS	49	% WT	4.6991		775.3515	0.387675 75
PIG CONV VARN GLACIER	H66XXW6128	9.09	S	ETHYLBENZENE	1	% WT	0.0909	0	0	0
				XYLENE	7	% WT	0.6363		0	0
				METHANOL	2	% WT	0.1818		0	0
				VOC	46	% WT	4.1814		0	0
				SOLIDS	54	% WT	4.9086		0	0
GINGER PRE STAIN MAPLE	P63BXN7027	6.83	S	VOC	98	% WT	6.6934	0	0	0
				SOLIDS	2	% WT	0.1366		0	0
SPICE WIPING STAIN MAPLE	S66XXN7269	7.34	W	VOC	73	% WT	5.505	900	4954.5	2.47725
				SOLIDS	25	% WT	1.835		1651.5	0.82575
GLACIER 10 SHEEN	H66XXW7153-1497	9.16	S	ETHYLBENZENE	1	% WT	0.0916	0	0	0
				XYLENE	7	% WT	0.6412		0	0
				METHANOL	2	% WT	0.1832		0	0
				VOC	44	% WT	4.0304		0	0
				SOLIDS	56	% WT	5.1296		0	0
CAMEO 10 SHEEN	H66XXH7147-1497	9.14	S	ETHYLBENZENE	1	% WT	0.0914	1200	109.68	0.05484
				XYLENE	7	% WT	0.6398		767.76	0.38388
				METHANOL	2	% WT	0.1828		219.36	0.10968
				VOC	44	% WT	4.0216		4825.92	2.41296
				SOLIDS	56	% WT	5.1184		6142.08	3.07104
BISQUE 10 SHEEN	H66XXW7149-1497	9.1	S	ETHYLBENZENE	1	% WT	0.091	0	0	0
				XYLENE	7	% WT	0.637		0	0
				METHANOL	2	% WT	0.182		0	0
				VOC	50	% WT	4.55		0	0
				SOLIDS	50	% WT	4.55		0	0
CREAM 10 SHEEN	H66XXH7150-1497	9.13	S	ETHYLBENZENE	1	% WT	0.0913	15	1.3695	0.00068475
				XYLENE	7	% WT	0.6391		9.5865	0.004793 25
				METHANOL	2	% WT	0.1826		2.739	0.0013695
				VOC	44	% WT	4.0172		60.258	0.030129
				SOLIDS	56	% WT	5.1128		76.692	0.038346
GARDENIA 10 SHEEN	H66XXW7148-1497	9.12	S	ETHYLBENZENE	1	% WT	0.0912	15	1.368	0.000684
				XYLENE	7	% WT	0.6384		9.576	0.004788
				METHANOL	2	% WT	0.1824		2.736	0.001368
				VOC	44	% WT	4.0128		60.192	0.030096
				SOLIDS	56	% WT	5.1072		76.608	0.038304

Greenfield Cabinetry, LLC
Cabinet Manufacturing Facility

POTESTA & ASSOCIATES, INC.
Project Number 0101-15-0013

By: ADM
Date: 03/26/2015

Checked by: CCS
Date: 4/30/15

REFORMULATED COATING MATERIAL EMISSIONS- USING SHERWIN WILLIAMS MATERIALS

Codes: W=paint wiped on, S = paint sprayed

MATERIAL NAME	PRODUCT NUMBER	DENSITY		POLLUTANT	CONCENTRATION	UNIT	LBS/GAL	YEARLY USE (GAL)	EMISSION (LB/YEAR)	EMISSION (TONS/YEAR)
BLACK GLAZE	S66XX0B6839-1497	7.55	W	ETHYLBENZENE	0.1	% WT	0.00755	39	0.29445	0.000147225
				COBALT 2 ETHYLHEXANOATE	0.1	% WT	0.00755		0.29445	0.000147225
				VOC	66	% WT	4.983		194.337	0.0971685
				SOLIDS	33.8	% WT	2.5519		99.5241	0.049762031
PRE STAIN MAPLE SPICE	p638xx0621	6.95	S	TOLUENE	2	% WT	0.139	0	0	0
				ETHYLBENZENE	0.1	% WT	0.00695		0	0
				FORMALDEHYDE	0.1	% WT	0.00695		0	0
				MEK	2	% WT	0.139		0	0
				VOC	92	% WT	6.394		0	0
				SOLIDS	8	% WT	0.556		0	0
MAPLE SPICE WIPE STAIN	S64XX07598-1497	7.24	W	VOC	76	% WT	5.5024	3	16.5072	0.0082536
				SOLIDS	24	% WT	1.7376		5.2128	0.0026064
GINGER PRE STAIN MAPLE	P63BXN08534	6.83	S	ETHYLBENZENE	0.01	% WT	0.000683	0	0	0
				VOC	98	% WT	6.6934		0	0
				SOLIDS	2	% WT	0.1366		0	0
GINGER WIPE STAIN MAPLE	S64XX07655-1497	8.29	W	COBALT 2 ETHYLHEXANOATE	0.1	% WT	0.00829	0	0	0
				VOC	62	% WT	5.1398		0	0
				SOLIDS	37.9	% WT	3.14191		0	0
GINGER PRE STAIN ALDER	P63BXN07028-1497	6.8	S	VOC	20	% WT	1.36	36	48.96	0.02448
				SOLIDS	80	% WT	5.44		195.84	0.09792
GREENFIELD WASHCOAT	T87XXC7729-1497	6.77	S	VOC	19	% WT	1.2863	0	0	0
				SOLIDS	81	% WT	5.4837		0	0
HAZELNUT	S64XX07850-1497	7.39	W	COBALT 2 ETHYLHEXANOATE	0.1	% WT	0.00739	12	0.08868	0.00004434
				VOC	65	% WT	4.8035		57.642	0.028821
				SOLIDS	35	% WT	2.5865		31.038	0.015519
MASK WASH	RCMW	7.83	S	TOLUENE	10	% WT	0.783	0	0	0
				MEK	5	% WT	0.3915		0	0
				MIBK	5	% WT	0.3915		0	0
				XYLENE	30	% WT	2.349		0	0
				VOC	50	% WT	3.915		0	0
BRIE GLAZED 10 SHEEN	H66XX0I5308-1497	9.04	S	ETHYLBENZENE	1	% WT	0.0904	0	0	0
				XYLENE	7	% WT	0.6328		0	0
				FORMALDEHYDE	0.1	% WT	0.00904		0	0
				METHANOL	2	% WT	0.1808		0	0
				VOC	46	% WT	4.1584		0	0
				SOLIDS	54	% WT	4.8816		0	0
BRIE GLAZED 30 SHEEN	H66XXH8216-1497	9	S	ETHYLBENZENE	1	% WT	0.09	0	0	0
				XYLENE	7	% WT	0.63		0	0
				FORMALDEHYDE	0.1	% WT	0.009		0	0
				METHANOL	2	% WT	0.18		0	0
				VOC	46	% WT	4.14		0	0
				SOLIDS	54	% WT	4.86		0	0
VICTORIAN GLAZED 10 SHEEN	H66XXH8307-1497	9.01	S	ETHYLBENZENE	1	% WT	0.0901	15	1.3515	0.00067575
				XYLENE	7	% WT	0.6307		9.4605	0.004730025
				FORMALDEHYDE	0.1	% WT	0.00901		0.13515	0.000067575
				METHANOL	2	% WT	0.1802		2.703	0.001351 5
				VOC	46	% WT	4.1446		62.169	0.0310845
				SOLIDS	54	% WT	4.8654		72.981	0.0364905
VICTORIAN GLAZED 30 SHEEN	H66HH8215-1497	8.94	S	ETHYLBENZENE	1	% WT	0.0894	30	2.682	0.001341
				XYLENE	7	% WT	0.6258		18.774	0.009387
				FORMALDEHYDE	0.1	% WT	0.00894		0.2682	0.0001341
				METHANOL	2	% WT	0.1788		5.364	0.002682
				VOC	46	% WT	4.1124		123.372	0.061686
				SOLIDS	54	% WT	4.8276		144.828	0.072414
LINEN GLAZED 10 SHEEN	H66XXH8309-1497	9.07	S	ETHYLBENZENE	1	% WT	0.0907	0	0	0
				XYLENE	7	% WT	0.6349		0	0
				FORMALDEHYDE	0.1	% WT	0.00907		0	0
				METHANOL	2	% WT	0.1814		0	0
				VOC	46	% WT	4.1722		0	0
				SOLIDS	54	% WT	4.8978		0	0
LINEN GLAZED 30 SHEEN	H66XXH8217	9.05	S	ETHYLBENZENE	1	% WT	0.0905	0	0	0
				XYLENE	7	% WT	0.6335		0	0
				FORMALDEHYDE	0.1	% WT	0.00905		0	0
				METHANOL	2	% WT	0.181		0	0
				VOC	46	% WT	4.163		0	0
				SOLIDS	54	% WT	4.887		0	0
GINGER WIPING STAIN	S64XX08291-1497	7.87	W	ETHYLBENZENE	0.01	% WT	0.000787	69	0.054303	2.71515E-05
				VOC	66	% WT	5.1942		358.3998	0.1791999
				SOLIDS	34	% WT	2.6758		184.6302	0.0923151
AMARANTH	P63BX08541-1497	5.66	S	TOLUENE	6	% WT	0.3396	180	61.128	0.030564
				ETHYLBENZENE	1	% WT	0.0566		10.188	0.005094
				XYLENE	7	% WT	0.3962		71.316	0.035658
				MEK	7	% WT	0.3962		71.316	0.035658
				MIBK	3	% WT	0.1698		30.564	0.015282
				VOC	64	% WT	3.6224		652.032	0.326016
				SOLIDS	36	% WT	2.0376		366.768	0.183384
BUXTON BLUE	P63BX08542-1497	8.78	S	TOLUENE	5	% WT	0.439	0	0	0
				ETHYLBENZENE	1	% WT	0.0878		0	0
				XYLENE	7	% WT	0.6146		0	0
				MEK	7	% WT	0.6146		0	0
				MIBK	3	% WT	0.2634		0	0
				VOC	64	% WT	5.6192		0	0
				SOLIDS	36	% WT	3.1608		0	0

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REFORMULATED COATING MATERIAL EMISSIONS- USING SHERWIN WILLIAMS MATERIALS
Codes. W=paint wiped on, S = paint sprayed

MATERIAL NAME	PRODUCT NUMBER	DENSITY		POLLUTANT	CONCENTRATION	UNIT	LBS GAL	YEARLY USE (GAL)	EMISSION (LB/YEAR)	EMISSION (TONS/YEAR)
SILKTASSLE	P63BXQ8543-1497	8.78	S	TOLUENE	6	% WT	0.5268	150	79.02	0.03951
				ETHYLBENZENE	1	% WT	0.0878		13.17	0.006585
				XYLENE	7	% WT	0.6146		92.19	0.046095
				MIX	7	% WT	0.6146		92.19	0.046095
				MIX	3	% WT	0.2634		39.51	0.019755
				VOC	64	% WT	5.6192		842.88	0.42144
				SOLIDS	36	% WT	3.1608		474.12	0.23706
EUCALYPTUS	P63BXQ8544-1497	8.74	S	TOLUENE	5	% WT	0.437	255	111.435	0.0557175
				ETHYLBENZENE	1	% WT	0.0874		22.287	0.0111435
				XYLENE	7	% WT	0.6118		156.009	0.0780045
				MIX	7	% WT	0.6118		156.009	0.0780045
				MIX	3	% WT	0.2622		66.861	0.0334305
				VOC	64	% WT	5.5936		1426.368	0.713184
				SOLIDS	36	% WT	3.1464		802.332	0.401166
JUNIPER	P63BXQ8569-1497	8.75	S	TOLUENE	6	% WT	0.525	45	23.625	0.0118125
				ETHYLBENZENE	1	% WT	0.0875		3.9375	0.00196875
				XYLENE	7	% WT	0.6125		27.5625	0.01378125
				MIX	7	% WT	0.6125		27.5625	0.01378125
				MIX	3	% WT	0.2625		11.8125	0.00590625
				VOC	64	% WT	5.6		252	0.126
				SOLIDS	36	% WT	3.15		141.75	0.070875
NEW SUNSET	S64XXY8330	8.86	W	ETHYLBENZENE	2	% WT	0.1772	0	0	0
				XYLENE	1	% WT	0.0886		0	0
				COBALT 2 ETHYLHEXANOATE	0.1	% WT	0.00886		0	0
				VOC	53	% WT	4.6958		0	0
				SOLIDS	47	% WT	4.1642		0	0
EUCALYPTUS CON VARNISH	H66XXA8531-1497	8.88	S	ETHYLBENZENE	1	% WT	0.0888	0	0	0
				XYLENE	7	% WT	0.6216		0	0
				FORMALDEHYDE	0.1	% WT	0.00888		0	0
				VOC	47	% WT	4.1736		0	0
				SOLIDS	53	% WT	4.7064		0	0
GLAZED PENNYROYAL CON VARNISH	H66XXA8724-1497	8.8	S	ETHYLBENZENE	1	% WT	0.088	0	0	0
				XYLENE	7	% WT	0.616		0	0
				FORMALDEHYDE	0.1	% WT	0.0088		0	0
				VOC	48	% WT	4.224		0	0
				SOLIDS	52	% WT	4.576		0	0
GLAZED GOLDENSEAL CON VARNISH	H66XXH8727-1497	8.88	S	ETHYLBENZENE	1	% WT	0.0888	45	3.996	0.001998
				XYLENE	7	% WT	0.6216		27.972	0.013986
				FORMALDEHYDE	0.1	% WT	0.00888		0.3996	0.0001998
				VOC	48	% WT	4.2624		191.808	0.095904
				SOLIDS	52	% WT	4.6176		207.792	0.103896
GLAZED SAGE CON VARNISH	H66XXL8730-1497	8.86	S	ETHYLBENZENE	1	% WT	0.0886	24	2.1264	0.0010632
				XYLENE	7	% WT	0.6202		14.8848	0.0074424
				FORMALDEHYDE	0.1	% WT	0.00886		0.21264	0.00010632
				VOC	48	% WT	4.2528		102.0672	0.0510336
				SOLIDS	52	% WT	4.6072		110.5728	0.0552864
VERBENA CON VARNISH	H66XXG8532-1497	8.86	S	ETHYLBENZENE	1	% WT	0.0886	0	0	0
				XYLENE	7	% WT	0.6202		0	0
				FORMALDEHYDE	0.1	% WT	0.00886		0	0
				VOC	48	% WT	4.2528		0	0
				SOLIDS	52	% WT	4.6072		0	0
GLAZED CHAMOMILE CON VARNISH	H66XXH8725-1497	8.85	S	ETHYLBENZENE	1	% WT	0.0885	0	0	0
				XYLENE	7	% WT	0.6195		0	0
				FORMALDEHYDE	0.1	% WT	0.00885		0	0
				VOC	48	% WT	4.248		0	0
				SOLIDS	52	% WT	4.602		0	0
GLAZED VALERIAN CON VARNISH	H66XXL8728-1497	8.87	S	ETHYLBENZENE	1	% WT	0.0887	0	0	0
				XYLENE	7	% WT	0.6209		0	0
				FORMALDEHYDE	0.1	% WT	0.00887		0	0
				VOC	48	% WT	4.2576		0	0
				SOLIDS	52	% WT	4.6124		0	0
GLAZED OATSTRAW CON VARNISH	H66XXG8731-1497	8.8	S	ETHYLBENZENE	1	% WT	0.088	0	0	0
				XYLENE	7	% WT	0.616		0	0
				FORMALDEHYDE	0.1	% WT	0.0088		0	0
				VOC	48	% WT	4.224		0	0
				SOLIDS	52	% WT	4.576		0	0
GLAZED THISTLE CON VARNISH	H66XXG8723-1497	8.83	S	ETHYLBENZENE	1	% WT	0.0883	0	0	0
				XYLENE	8	% WT	0.7064		0	0
				FORMALDEHYDE	0.1	% WT	0.00883		0	0
				VOC	47	% WT	4.1501		0	0
				SOLIDS	53	% WT	4.6799		0	0
GLAZED HAWTHORNE CON VARNISH	H66XXQ8726-1497	8.81	S	ETHYLBENZENE	1	% WT	0.0881	0	0	0
				XYLENE	8	% WT	0.7048		0	0
				FORMALDEHYDE	0.1	% WT	0.00881		0	0
				VOC	47	% WT	4.1407		0	0
				SOLIDS	53	% WT	4.6693		0	0
GLAZED LARKSPUR CON VARNISH	H66XXL8729-1497	8.85	S	ETHYLBENZENE	1	% WT	0.0885	15	1.3275	0.00066375
				XYLENE	7	% WT	0.6195		9.2925	0.00464625
				FORMALDEHYDE	0.1	% WT	0.00885		0.13275	0.000066375
				VOC	48	% WT	4.248		63.72	0.03186
				SOLIDS	52	% WT	4.602		69.03	0.034515
GLAZED BLUEBERRY CON VARNISH	H66XXQ8732-1497	8.82	S	ETHYLBENZENE	1	% WT	0.0882	0	0	0
				XYLENE	8	% WT	0.7056		0	0
				FORMALDEHYDE	0.1	% WT	0.00882		0	0
				VOC	47	% WT	4.1454		0	0
				SOLIDS	53	% WT	4.6746		0	0
ROSE	S64XXR4730-1497	7.66	W	ETHYLBENZENE	0.2	% WT	0.01532	0	0	0
				VOC	60	% WT	4.596		0	0
				SOLIDS	40	% WT	3.064		0	0
CATALYST	V66V26	7.25	S	TOLUENE	7	% WT	0.5075	0	0	0
				MIX	2	% WT	0.145		0	0
				VOC	79	% WT	5.7275		0	0
				SOLIDS	21	% WT	1.5225		0	0
KEM VAR BLACK GLAZE	S66XXB8527	6.9	W	ETHYLBENZENE	0.2	% WT	0.0138	6	0.0828	0.0000414
				XYLENE	1	% WT	0.069		0.414	0.00020*
				VOC	82	% WT	5.658		33.948	0.016974
				SOLIDS	18	% WT	1.242		7.452	0.003726
TIMBER STAIN	S64XXB6767-1497	7.21	W	ETHYLBENZENE	0.3	% WT	0.02163	39	0.84357	0.000421785
				XYLENE	2	% WT	0.1442		5.6238	0.0028119
				VOC	71	% WT	5.1191		199.6449	0.099822245
				SOLIDS	29	% WT	2.0909		81.5451	0.040772255
TIMBER DYE STAIN	S613XXB6766	7.04	W	VOC	87	% WT	6.1248	51	312.3648	0.1561824
				SOLIDS	13	% WT	0.9152		46.6752	0.0233376
CARMEL PRE STAIN	P63BXN8193-1497	7.05	S	VOC	69	% WT	4.8645	0	0	0
				SOLIDS	31	% WT	2.1855		0	0
CARMEL WIPE STAIN	S64XXN8194-1497	6.91	W	ETHYLBENZENE	0.2	% WT	0.01382	9	0.12438	0.00006219
				COBALT 2 ETHYLHEXANOATE	1.1	% WT	0.07601		0.68409	0.000342045
				VOC	60	% WT	4.146		37.314	0.018657
				SOLIDS	40	% WT	2.764		24.876	0.012438

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MATERIAL NAME	PRODUCT NUMBER	DENSITY		POLLUTANT	CONCENTRATION	UNIT	LBS/GAL	YEARLY USE (GAL)	EMISSION (LB/YEAR)	EMISSION (TONS/YEAR)
JAVA PRE STAIN	P63B3XN8681-1497	8.83	S	VOC	23	% WT.	1.5709	75	117.8175	0.05890875
				SOLIDS	77	% WT.	5.2591		394.4325	0.19721625
50% PAPYRUS	H66XXW9050-1497	8.83	S	ETHYLBENZENE	1	% WT.	0.0885	0	0	0
				XYLENE	8	% WT.	0.708		0	0
				FORMALDEHYDE	0.1	% WT.	0.00885		0	0
				METHANOL	2	% WT.	0.177		0	0
				VOC	47	% WT.	4.1595		0	0
				SOLIDS	53	% WT.	4.6905		0	0
KEM VAR BROWN GLAZE	S66XXN9211-1497	7.45	W	ETHYLBENZENE	0.2	% WT.	0.0149	0	0	0
				XYLENE	1	% WT.	0.0745		0	0
				VOC	68	% WT.	5.066		0	0
				SOLIDS	32	% WT.	2.384		0	0
VARNISH SURFACER WHT	E63W50	10.81	S	ETHYLBENZENE	0.4	% WT.	0.04324	210	9.0804	0.0045402
				XYLENE	2	% WT.	0.2162		45.402	0.022701
				FORMALDEHYDE	0.1	% WT.	0.01081		2.2701	0.00113505
				METHANOL	3	% WT.	0.3243		68.103	0.0340515
				VOC	34	% WT.	3.6754		771.834	0.385917
				SOLIDS	66	% WT.	7.1346		1498.266	0.749133
NEW TOPCOAT	V84FH126-1497	7.93	S	FORMALDEHYDE	0.1	% WT.	0.00793	3396	26.93028	0.013465514
				VOC	58	% WT.	4.5994		15619.5624	7.8097812
				SOLIDS	42	% WT.	3.3306		11310.7176	5.6555588
EEP REDUCER	R6K35	7.91	S	VOC	100	% WT.	7.91	21	166.11	0.083055
30 SHEEN TC	V84XXC9745	7.93	S	FORMALDEHYDE	0.1	% WT.	0.00793	0	0	0
				VOC	57	% WT.	4.5201		0	0
				SOLIDS	43	% WT.	3.4099		0	0
ALABASTER	H66XXH9463-1497	8.85	S	ETHYLBENZENE	1	% WT.	0.0885	0	0	0
				XYLENE	8	% WT.	0.708		0	0
				METHANOL	2	% WT.	0.177		0	0
				FORMALDEHYDE	0.1	% WT.	0.00885		0	0
				VOC	47	% WT.	4.1595		0	0
				SOLIDS	53	% WT.	4.6905		0	0
NEW BROWN GLAZE	S66XXN9434-1497	7.46	W	ETHYLBENZENE	0.1	% WT.	0.00746	66	0.49236	0.00024618
				COBALT 2 ETHYLHEXANOATE	0.1	% WT.	0.00746		0.49236	0.00024618
				VOC	62	% WT.	4.6252		305.2632	0.1526316
				SOLIDS	38	% WT.	2.8348		187.0968	0.0935484
SURFSIDE	H66XXW9250-1497	8.84	S	ETHYLBENZENE	1	% WT.	0.0884	0	0	0
				XYLENE	8	% WT.	0.7072		0	0
				METHANOL	2	% WT.	0.1768		0	0
				FORMALDEHYDE	0.1	% WT.	0.00884		0	0
				VOC	47	% WT.	4.1548		0	0
				SOLIDS	53	% WT.	4.6852		0	0
POULAR GRAY	H66XXA9935-1497	8.85	S	ETHYLBENZENE	1	% WT.	0.0885	0	0	0
				XYLENE	8	% WT.	0.708		0	0
				METHANOL	2	% WT.	0.177		0	0
				FORMALDEHYDE	0.1	% WT.	0.00885		0	0
				VOC	47	% WT.	4.1595		0	0
				SOLIDS	53	% WT.	4.6905		0	0
RAVE RED	H66XXR9999-1497	8.84	S	ETHYLBENZENE	1	% WT.	0.0884	0	0	0
				XYLENE	8	% WT.	0.7072		0	0
				METHANOL	2	% WT.	0.1768		0	0
				FORMALDEHYDE	0.1	% WT.	0.00884		0	0
				VOC	47	% WT.	4.1548		0	0
				SOLIDS	53	% WT.	4.6852		0	0
ROYCROFT COPPER	P63BXR10061-1497	8.16	S	ETHYLBENZENE	1	% WT.	0.0816	3	0.2448	0.0001224
				XYLENE	1	% WT.	0.0816		0.2448	0.0001224
				ESTER	17	% WT.	1.3872		4.1616	0.0020808
				VOC	69	% WT.	5.6304		16.8912	0.0084456
				SOLIDS	31	% WT.	2.5296		7.5888	0.0037944
DOVER WHITE	H66XXW9508	8.85	S	ETHYLBENZENE	1	% WT.	0.0885	0	0	0
				XYLENE	8	% WT.	0.708		0	0
				METHANOL	2	% WT.	0.177		0	0
				FORMALDEHYDE	0.1	% WT.	0.00885		0	0
				VOC	47	% WT.	4.1595		0	0
				SOLIDS	53	% WT.	4.6905		0	0
DUNE	P63BXH10341	8.84	S	ETHYLBENZENE	1	% WT.	0.0884	60	5.304	0.002652
				XYLENE	8	% WT.	0.7072		42.432	0.021216
				METHANOL	2	% WT.	0.1768		10.608	0.005304
				FORMALDEHYDE	0.1	% WT.	0.00884		0.5304	0.0002652
				VOC	47	% WT.	4.1548		249.288	0.124644
				SOLIDS	53	% WT.	4.6852		281.112	0.140556
BRICK	P63BXR10254	8.23	S	ETHYLBENZENE	1	% WT.	0.0823	0	0	0
				XYLENE	8	% WT.	0.6584		0	0
				METHANOL	2	% WT.	0.1646		0	0
				FORMALDEHYDE	0.1	% WT.	0.00823		0	0
				VOC	51	% WT.	4.1973		0	0
				SOLIDS	49	% WT.	4.0327		0	0

Greenfield Cabinetry, LLC
Cabinet Manufacturing Facility

POTESTA & ASSOCIATES, INC
Project Number 0101-15-0013

By: ADM
Date: 03/26/2015

Checked by: CCS
Date: 4/30/15

REFORMULATED COATING MATERIAL EMISSIONS- USING SHERWIN WILLIAMS MATERIALS
Codes: W=paint wiped on; S = paint sprayed

MATERIAL NAME	PRODUCT NUMBER	DENSITY		POLLUTANT	CONCENTRATION	UNIT	LBS/GAL	YEARLY USE (GAL)	EMISSION (LB/YEAR)	EMISSION (TONS/YEAR)
BROWNSTONE GLAZE	S66XXN10122	7.67	W	VOC	70	% WT	5.369	6	32.214	0.016107
				SOLIDS	30	% WT.	2.301		13.806	0.006903
LACQUER/SW	R7KR120E	6.59	S	TOLUENE	15	% WT.	0.9885	0	0	0
				ETHYLBENZENE	0.9	% WT.	0.05931		0	0
				METHANOL	4	% WT.	0.2636		0	0
				XYLENE	5	% WT.	0.3295		0	0
				VOC	75	% WT.	4.9425		0	0
SLATE	P63BXL10342-1497	8.64	S	ETHYLBENZENE	1	% WT.	0.0864	60	5.184	0.002592
				XYLENE	8	% WT.	0.6912		41.472	0.020736
				FORMALDEHYDE	0.1	% WT.	0.00864		0.5184	0.0002592
				METHANOL	2	% WT.	0.1728		10.368	0.005184
				VOC	48	% WT.	4.1472		248.832	0.124416
				SOLIDS	52	% WT.	4.4928		269.568	0.134784
WATER WHITE VARNISH	V84F98	7.99	S	FORMALDEHYDE	0.1	% WT.	0.00799	0	0	0
				VOC	62	% WT.	4.9538		0	0
				SOLIDS	38	% WT.	3.0362		0	0
PLEASANTON PRESTAIN	P63BXN10034-1497	6.89	S	VOC	98	% WT.	6.7522	0	0	0
				SOLIDS	2	% WT.	0.1378		0	0
NEW BLACK GLAZE	S66XXB9994-1497	7.67	W	VOC	70	% WT.	5.369	36	193.284	0.096642
				SOLIDS	30	% WT.	2.301		82.836	0.041418
RAIN WASHED	H66XXG10198	8.83	S	ETHYLBENZENE	1	% WT.	0.0883	0	0	0
				XYLENE	8	% WT.	0.7064		0	0
				METHANOL	2	% WT.	0.1766		0	0
				FORMALDEHYDE	0.01	% WT.	0.000883		0	0
				VOC	48	% WT.	4.2384		0	0
				SOLIDS	52	% WT.	4.5916		0	0
PEWTER	P63BXA10340	8.83	S	ETHYLBENZENE	1	% WT.	0.0883	270	23.841	0.0119205
				XYLENE	8	% WT.	0.7064		190.728	0.095364
				METHANOL	2	% WT.	0.1766		47.682	0.023841
				FORMALDEHYDE	0.01	% WT.	0.000883		0.23841	0.000119205
				VOC	48	% WT.	4.2384		1,144.37	0.572184
				SOLIDS	52	% WT.	4.5916		1,239.73	0.619866
CONSERVATIVE GRAY	H66XXA10200	8.86	S	ETHYLBENZENE	1	% WT.	0.0886	0	0	0
				XYLENE	7	% WT.	0.6202		0	0
				METHANOL	2	% WT.	0.1772		0	0
				FORMALDEHYDE	0.01	% WT.	0.000886		0	0
				VOC	47	% WT.	4.1642		0	0
				SOLIDS	53	% WT.	4.6958		0	0
PIG CON VARN GS1155	H66XXH10181	8.84	S	ETHYLBENZENE	1	% WT.	0.0884	0	0	0
				XYLENE	8	% WT.	0.7072		0	0
				METHANOL	2	% WT.	0.1768		0	0
				FORMALDEHYDE	0.01	% WT.	0.000884		0	0
				VOC	48	% WT.	4.2432		0	0
				SOLIDS	52	% WT.	4.5968		0	0
LOW SHEEN TC	V84XXC4224	8.83	S	ETHYLBENZENE	1	% WT.	0.0883	3	0.2649	0.00013245
				XYLENE	8	% WT.	0.7064		2.1192	0.0010596
				METHANOL	2	% WT.	0.1766		0.5298	0.0002649
				FORMALDEHYDE	0.01	% WT.	0.000883		0.002649	1.32451E-06
				VOC	48	% WT.	4.2384		12.7152	0.0063576
				SOLIDS	52	% WT.	4.5916		13.7748	0.0068874
LIVERMORE PRESTAIN	P63BXN10038	6.9	S	VOC	98	% WT.	6.762	0	0	0
				SOLIDS	2	% WT.	0.138		0	0
SAN CARLOS PRESTAIN	P63BXN10036	6.9	S	VOC	98	% WT.	6.762	0	0	0
				SOLIDS	2	% WT.	0.138		0	0
LANTERN LIGHT	H66XXY10199	8.8	S	ETHYLBENZENE	1	% WT.	0.088	0	0	0
				XYLENE	8	% WT.	0.704		0	0
				METHANOL	2	% WT.	0.176		0	0
				FORMALDEHYDE	0.01	% WT.	0.00088		0	0
				VOC	48	% WT.	4.224		0	0
				SOLIDS	52	% WT.	4.576		0	0
LIVERMORE	S64XXN10039	7.23	W	ETHYLBENZENE	0.2	% WT.	0.01446	0	0	0
				XYLENE	1	% WT.	0.0723		0	0
				VOC	77	% WT.	5.5671		0	0
				SOLIDS	23	% WT.	1.6629		0	0
SAN CARLOS	S64XXN10037	7.89	W	ETHYLBENZENE	0.2	% WT.	0.01578	3	0.04734	0.00002367
				VOC	67	% WT.	5.2863		15.8589	0.00792945
				SOLIDS	33	% WT.	2.6037		7.8111	0.00390555
PLEASANTON STAIN	S64XXN10035	7.23	W	ETHYLBENZENE	0.2	% WT.	0.01446	0	0	0

By: ADM
Date: 03/26/2015

Checked by: CCS
Date: 4/30/15

REFORMULATED COATING MATERIAL EMISSIONS- USING SHERWIN WILLIAMS MATERIALS
Codes: W=paint wiped on, S = paint sprayed

MATERIAL NAME	PRODUCT NUMBER	DENSITY		POLLUTANT	CONCENTRATION	UNIT	LBS/GAL	YEARLY USE (GAL)	EMISSION (LB/YEAR)	EMISSION (TONS/YEAR)
				XYLENE	1	% WT.	0.0773		0	0
				VOC	77	% WT.	5.5671		0	0
				SOLIDS	23	% WT.	1.6629		0	0
VERBENA	P63BX08545	8.77	S	TOLUENE	6	% WT.	0.5262	90	47.358	0.023679
				ETHYLBENZENE	1	% WT.	0.0877		7.893	0.0039465
				XYLENE	7	% WT.	0.6139		55.251	0.0276255
				MEK	7	% WT.	0.6139		55.251	0.0276255
				MIBK	3	% WT.	0.2631		23.679	0.0118395
				VOC	64	% WT.	5.6128		505.152	0.252576
				SOLIDS	36	% WT.	3.1572		284.148	0.142074
TWILIGHT	S64XXW5654	7.15	W	VOC	86	% WT	6.149	0	0	0
				SOLIDS	14	% WT.	1.001		0	0
R7K35	R7K35	7.91	S	VOC	100	% WT.	7.91	0	0	0
R7K140	R7K140	6.5	S	VOC	100	% WT.	6.5	0	0	0
R6K34	R6K34	7.65	S	VOC	100	% WT	7.65	15	114.75	0.057375
R6K30	R6K30	6.76	S	VOC	100	% WT.	6.76	0	0	0
AMARANTH	H66XXG8528	8.88	S	ETHYLBENZENE	1	% WT.	0.0888	0	0	0
				XYLENE	7	% WT.	0.6216		0	0
				METHANOL	2	% WT.	0.1776		0	0
				FORMALDEHYDE	0.1	% WT.	0.00888		0	0
				VOC	47	% WT.	4.1736		0	0
				SOLIDS	53	% WT.	4.7064		0	0
JUNIPER	H66XXL8529	8.79	S	ETHYLBENZENE	1	% WT.	0.0879	0	0	0
				XYLENE	8	% WT.	0.7032		0	0
				METHANOL	2	% WT.	0.1758		0	0
				FORMALDEHYDE	0.1	% WT.	0.00879		0	0
				VOC	48	% WT.	4.2192		0	0
				SOLIDS	52	% WT.	4.5708		0	0
SILTASSLE	H66XXH8530	8.87	S	ETHYLBENZENE	1	% WT.	0.0887	0	0	0
				XYLENE	8	% WT.	0.7096		0	0
				METHANOL	2	% WT.	0.1774		0	0
				FORMALDEHYDE	0.1	% WT.	0.00887		0	0
				VOC	47	% WT.	4.1689		0	0
				SOLIDS	53	% WT.	4.7011		0	0
50 SHEEN	V847XC96	7.96	S	FORMALDEHYDE	0.1	% WT	0.00796	3	0.02388	0.00001194
				VOC	62	% WT.	4.9352		14.8056	0.0074028
				SOLIDS	38	% WT.	3.0248		9.0744	0.0045372
WINDHAM CREAM	H66XXH10474	8.84	S	ETHYLBENZENE	1	% WT	0.0884	0	0	0
				XYLENE	8	% WT.	0.7072		0	0
				METHANOL	2	% WT.	0.1768		0	0
				FORMALDEHYDE	0.1	% WT.	0.00884		0	0
				VOC	48	% WT.	4.2432		0	0
				SOLIDS	52	% WT.	4.5968		0	0
BEN MOORE	H66XXH10411	8.71	S	ETHYLBENZENE	1	% WT.	0.0871	0	0	0
				XYLENE	8	% WT.	0.6968		0	0
				METHANOL	2	% WT.	0.1742		0	0
				FORMALDEHYDE	0.1	% WT.	0.00871		0	0
				VOC	48	% WT.	4.1808		0	0
				SOLIDS	52	% WT.	4.5292		0	0
GS1155 MATCH	H66XXH10181	8.84	S	ETHYLBENZENE	1	% WT.	0.0884	0	0	0
				XYLENE	8	% WT.	0.7072		0	0
				METHANOL	2	% WT.	0.1768		0	0
				FORMALDEHYDE	0.1	% WT.	0.00884		0	0
				VOC	48	% WT.	4.2432		0	0
				SOLIDS	52	% WT.	4.5968		0	0
LOW GLOSS TC	V84TH161	7.97	S	ETHYLBENZENE	0.6	% WT.	0.04782	0	0	0
				XYLENE	4	% WT.	0.3188		0	0
				FORMALDEHYDE	0.1	% WT.	0.00797		0	0
				VOC	65	% WT.	5.1805		0	0
				SOLIDS	35	% WT.	2.7895		0	0
HARBOR MIST	H66XXA10438	8.82	S	ETHYLBENZENE	1	% WT.	0.0882	0	0	0
				XYLENE	8	% WT.	0.7056		0	0
				METHANOL	2	% WT.	0.1764		0	0
				FORMALDEHYDE	0.1	% WT.	0.00882		0	0
				VOC	47	% WT.	4.1454		0	0
				SOLIDS	53	% WT.	4.6746		0	0
DISTANCE	H66XXL10503	8.49	S	ETHYLBENZENE	1	% WT.	0.0849	0	0	0
				XYLENE	8	% WT.	0.6792		0	0
				METHANOL	2	% WT.	0.1698		0	0
				FORMALDEHYDE	0.1	% WT.	0.00849		0	0
				VOC	49	% WT.	4.1601		0	0
				SOLIDS	51	% WT.	4.3299		0	0
GS1211	P63BXN10567	7.05	S	TOLUENE	2	% WT.	0.141	0	0	0
		Changed		ETHYLBENZENE	0.1	% WT.	0.00705		0	0
				MEK	1	% WT.	0.0705		0	0
				VOC	93	% WT.	6.5565		0	0
				SOLIDS	7	% WT.	0.4935		0	0
GS1211 WIPE	S64XXN10568	7.1	W	ETHYLBENZENE	0.1	% WT.	0.0071	0	0	0
				VOC	70	% WT.	4.97		0	0
				SOLIDS	30	% WT.	2.13		0	0
GS1211 GLAZE	S66XXN10569	6.77	W	VOC	88	% WT.	5.9576	0	0	0
				SOLIDS	12	% WT.	0.8124		0	0
LOW GLOSS	H66XXW53	10.85	S	ETHYLBENZENE	0.3	% WT.	0.03255	0	0	0
				XYLENE	2	% WT.	0.217		0	0
				FORMALDEHYDE	0.1	% WT.	0.01085		0	0
				VOC	26	% WT.	2.821		0	0
				SOLIDS	74	% WT.	8.029		0	0
KEMVAR SOLVENT	R7K310	6.85	S	VOC	100	% WT.	6.85	315	2,157.75	1.078875
				SOLIDS	0	% WT.	0		0	0
BUTYL ACETATE	R6K18	7.31	S	VOC	100	% WT.	7.31	0	0	0
				SOLIDS	0	% WT.	0		0	0

Greenfield Cabinetry, LLC
Cabinet Manufacturing Facility

POTESTA & ASSOCIATES, INC.
Project Number 0101-15-0013

By: ADM
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REFORMULATED COATING MATERIAL EMISSIONS- USING SHERWIN WILLIAMS MATERIALS
Codes: W=paint wiped on, S = paint sprayed

MATERIAL NAME	PRODUCT NUMBER	DENSITY		POLLUTANT	CONCENTRATION	UNIT	LBS/GAL	YEARLY USE (GAL)	EMISSION (LB/YEAR)	EMISSION (TONS/YEAR)
SHELL WHITE	H66XXW10686-1497	8.84	S	ETHYLBENZENE	1	% WT.	0.0884	0	0	0
				XYLENE	8	% WT.	0.7072		0	0
				METHANOL	2	% WT.	0.1768		0	0
				FORMALDEHYDE	0.1	% WT.	0.00884		0	0
				VOC	48	% WT.	4.2432		0	0
				SOLIDS	52	% WT.	4.5968		0	0
FRENCH WHITE	H66XXH10437-1497	8.94	S	ETHYLBENZENE	1	% WT.	0.0894	0	0	0
				XYLENE	7	% WT.	0.6258		0	0
				METHANOL	2	% WT.	0.1788		0	0
				FORMALDEHYDE	0.1	% WT.	0.00894		0	0
				VOC	48	% WT.	4.2912		0	0
				SOLIDS	52	% WT.	4.6488		0	0
EVENING DOVE	H66XXA10770-1497	8.4	S	ETHYLBENZENE	1	% WT.	0.084	0	0	0
				XYLENE	8	% WT.	0.672		0	0
				METHANOL	2	% WT.	0.168		0	0
				FORMALDEHYDE	0.1	% WT.	0.0084		0	0
				VOC	48	% WT.	4.032		0	0
				SOLIDS	52	% WT.	4.368		0	0
V66V21 DILUTED	V66XXV10578-1497	7.02	S	VOC	87	% WT.	6.1074	300	1,832.22	0.91611
				SOLIDS	13	% WT.	0.9126		273.78	0.13689
ESSENTIAL GRAY	H66XXA10781-1497	8.79	S	ETHYLBENZENE	1	% WT.	0.0879	0	0	0
				XYLENE	8	% WT.	0.7032		0	0
				METHANOL	2	% WT.	0.1758		0	0
				FORMALDEHYDE	0.1	% WT.	0.00879		0	0
				VOC	48	% WT.	4.2192		0	0
				SOLIDS	52	% WT.	4.5708		0	0
SURFSIDE 10 SHEEN	H66XXW10241	8.9	S	ETHYLBENZENE	1	% WT.	0.089	0	0	0
				XYLENE	7	% WT.	0.623		0	0
				METHANOL	2	% WT.	0.178		0	0
				FORMALDEHYDE	0.1	% WT.	0.0089		0	0
				VOC	48	% WT.	4.272		0	0
				SOLIDS	52	% WT.	4.628		0	0
ACETONE 5 SW	B6K9E	6.59	S	VOC	0	% WT.	0	105	0	0
				SOLIDS	0	% WT.	0		0	0
SURFSIDE	P63B3W10847	8.83	S	TOLUENE	6	% WT.	0.5298	255	135.099	0.0675495
				ETHYLBENZENE	1	% WT.	0.0883		22.5165	0.01125825
				XYLENE	8	% WT.	0.7064		180.132	0.090066
				MEK	7	% WT.	0.6181		157.6155	0.07880775
				VOC	3	% WT.	0.2649		67.5495	0.03377475
				VOC	64	% WT.	5.6512		1441.056	0.720528
				SOLIDS	36	% WT.	3.1788		810.504	0.405297
DORIAN GRAY GLAZE	S66XXA10331	8.65	W	VOC	57	% WT.	4.9305	33	162.7065	0.08135325
				SOLIDS	43	% WT.	3.7195		122.7435	0.06137175
CAMEO	E63PLH10648	10	S	ETHYLBENZENE	0.3	% WT.	0.03	30	0.9	0.00045
				XYLENE	2	% WT.	0.2		6	0.003
				METHANOL	3	% WT.	0.3		9	0.0045
				FORMALDEHYDE	0.1	% WT.	0.01		0.3	0.00015
				VOC	43	% WT.	4.3		129	0.0645
				SOLIDS	57	% WT.	5.7		171	0.0855
CAMEO 30	H66PX2H10649	9.64	S	ETHYLBENZENE	0.3	% WT.	0.02892	465	13.4478	0.0067239
				XYLENE	2	% WT.	0.1928		89.652	0.044826
				FORMALDEHYDE	0.1	% WT.	0.00964		4.4826	0.0022413
				VOC	45	% WT.	4.338		2,017.17	1.008585
				SOLIDS	55	% WT.	5.302		2,465.43	1.232715
CARMAEL MATCH	P63B3X10855	6.87	S	VOC	97	% WT.	6.6639	0	0	0
				SOLIDS	3	% WT.	0.2061		0	0
CHERRY MATCH	P63B3X10856	6.98	S	TOLUENE	1	% WT.	0.0698	0	0	0
				XYLENE	2	% WT.	0.1396		0	0
				VOC	94	% WT.	6.5612		0	0
				SOLIDS	6	% WT.	0.4188		0	0
COURTYARD	H66XXG10727	8.4	S	ETHYLBENZENE	2	% WT.	0.168	0	0	0
				XYLENE	9	% WT.	0.756		0	0
				METHANOL	2	% WT.	0.168		0	0
				FORMALDEHYDE	0.1	% WT.	0.0084		0	0
				VOC	51	% WT.	4.284		0	0
				SOLIDS	49	% WT.	4.116		0	0
MATCH 6189	H66XXG10883	8.83	S	ETHYLBENZENE	1	% WT.	0.0883	0	0	0
				XYLENE	8	% WT.	0.7064		0	0
				METHANOL	2	% WT.	0.1766		0	0
				FORMALDEHYDE	0.1	% WT.	0.00883		0	0
				VOC	48	% WT.	4.2384		0	0
				SOLIDS	52	% WT.	4.5916		0	0
MERLOT STAIN	S64XXR10980-1497	7.12	W	VOC	68	% WT.	4.8416	0	0	0
				SOLIDS	32	% WT.	2.2784		0	0
GARDENIA	H66PXW10945-1497	9.59	S	ETHYLBENZENE	0.3	% WT.	0.02877	255	7.33635	0.003668175
				XYLENE	2	% WT.	0.1918		48.909	0.0244545
				FORMALDEHYDE	0.1	% WT.	0.00959		2.44545	0.001222725
				VOC	45	% WT.	4.3155		1,100.45	0.550225625
				SOLIDS	57	% WT.	5.4663		1,393.91	0.696953225
MERLOT PRESTAIN	S64XXR10979-1497	6.82	S	VOC	100	% WT.	6.82	0	0	0
				SOLIDS	0	% WT.	0		0	0
STEELY GRAY	H66PXA11065-1497	9.63	S	ETHYLBENZENE	0.3	% WT.	0.02889	0	0	0
				XYLENE	2	% WT.	0.1926		0	0
				FORMALDEHYDE	0.1	% WT.	0.00963		0	0
				VOC	45	% WT.	4.3335		0	0
				SOLIDS	55	% WT.	5.2965		0	0
GS1305 NO WIPE CHERRY	P63B3X11031-1497	7.14	S	MEK	4	% WT.	0.2856	0	0	0
				VOC	92	% WT.	6.5688		0	0
				SOLIDS	8	% WT.	0.5712		0	0
GRAY CASHMERE	H66XXA11036-1497	8.8	S	ETHYLBENZENE	1	% WT.	0.088	0	0	0
				XYLENE	8	% WT.	0.704		0	0
				METHANOL	2	% WT.	0.176		0	0
				FORMALDEHYDE	0.1	% WT.	0.0088		0	0
				VOC	48	% WT.	4.224		0	0
				SOLIDS	52	% WT.	4.576		0	0
SW7018 DOVETAIL 30 SHEEN	H66XXA11039-1497	8.66	S	ETHYLBENZENE	1	% WT.	0.0866	0	0	0
				XYLENE	8	% WT.	0.6928		0	0
				METHANOL	2	% WT.	0.1732		0	0
				FORMALDEHYDE	0.1	% WT.	0.00866		0	0
				VOC	49	% WT.	4.2434		0	0
				SOLIDS	51	% WT.	4.4166		0	0
SW6485 RAINDROP	H66PXL11062-1497	9.65	S	ETHYLBENZENE	0.3	% WT.	0.02895	0	0	0
				XYLENE	2	% WT.	0.193		0	0
				FORMALDEHYDE	0.1	% WT.	0.00965		0	0
				VOC	44	% WT.	4.246		0	0
				SOLIDS	56	% WT.	5.404		0	0
GREY GLAZED SURFSIDE 30	H66PXW11123-1497	9.64	S	ETHYLBENZENE	0.3	% WT.	0.02892	60	1.7352	0.0008676
				XYLENE	2	% WT.	0.1928		11.568	0.005784
				FORMALDEHYDE	0.1	% WT.	0.00964		0.5784	0.0002892
				VOC	45	% WT.	4.338		260.28	0.13014
				SOLIDS	55	% WT.	5.302		318.12	0.15906
GREY GLAZED CAMEO 30	H66PXH11121-1497	9.64	S	ETHYLBENZENE	0.3	% WT.	0.02892	36	1.04112	0.00052056
				XYLENE	2	% WT.	0.1928		6.9408	0.0034704
				FORMALDEHYDE	0.1	% WT.	0.00964		0.34704	0.00017352
				VOC	45	% WT.	4.338		156.168	0.078084
				SOLIDS	55	% WT.	5.302		190.872	0.095436
GREY GLAZED GLACIER 30	H66PXW11120-1497	9.64	S	ETHYLBENZENE	0.3	% WT.	0.02892	60	1.7352	0.0008676
				XYLENE	2	% WT.	0.1928		11.568	0.005784
				FORMALDEHYDE	0.1	% WT.	0.00964		0.5784	0.0002892
				VOC	45	% WT.	4.338		260.28	0.13014
				SOLIDS	55	% WT.	5.302		318.12	0.15906
GREY GLAZED BISQUE 30	H66PXH11122-1497	9.73	S	ETHYLBENZENE	0.3	% WT.	0.02919	0	0	0
				XYLENE	2	% WT.	0.1946		0	0
				FORMALDEHYDE	0.1	% WT.	0.00973		0	0
				VOC	43	% WT.	4.1839		0	0
				SOLIDS	57	% WT.	5.5461		0	0
GREY GLAZED GARDENIA 30	H66PXW11119-1497	9.65	S	ETHYLBENZENE	0.3	% WT.	0.02895	15	0.43425	0.000217125
				XYLENE	2	% WT.	0.193		2.895	0.0014475
				FORMALDEHYDE	0.1	% WT.	0.00965		0.14475	0.000072375
				VOC	45	% WT.	4.3425		65.1375	0.03256875
				SOLIDS	55	% WT.	5.3075		79.6125	0.039806625

Greenfield Cabinetry, LLC
Cabinet Manufacturing Facility

POTESTA & ASSOCIATES, INC.
Project Number 0101-15-0013

By: ADM
Date: 03/26/2015

Checked by: CCS
Date: 4/30/15

REFORMULATED COATING MATERIAL EMISSIONS- USING SHERWIN WILLIAMS MATERIALS
Codes: W=paint wiped on, S = paint sprayed

MATERIAL NAME	PRODUCT NUMBER	DENSITY		POLLUTANT	CONCENTRATION	UNIT	LBS/GAL	YEARLY USE (GAL)	EMISSION (LB/YEAR)	EMISSION (TONS/YEAR)
GLAZED BLACK GLACIER 30	H66PXW11096-1497	9.82	S	ETHYLBENZENE	0.3	% WT.	0.02946	45	1.3257	0.00086283
				XYLENE	2	% WT.	0.1964		8.838	0.004419
				FORMALDEHYDE	0.1	% WT.	0.00982		0.4419	0.00022095
				VOC	42	% WT.	4.1244		185.598	0.092799
				SOLIDS	58	% WT.	5.6956		256.302	0.128151
GLAZED BLACK PEWTER 10	H66PXA11097-1497	9.58	S	ETHYLBENZENE	0.2	% WT.	0.01916	12	0.22992	0.00011496
				XYLENE	1	% WT.	0.0958		1.1496	0.0005748
				FORMALDEHYDE	0.1	% WT.	0.00958		0.11496	0.0005748
				VOC	43	% WT.	4.1194		49.4328	0.0247164
				SOLIDS	57	% WT.	5.4606		65.5272	0.0327636
GLAZED BROWN PEWTER 10	H66PXA11098-1497	9.5	S	ETHYLBENZENE	0.2	% WT.	0.019	3	0.057	0.0000285
				XYLENE	1	% WT.	0.095		0.285	0.0001425
				FORMALDEHYDE	0.1	% WT.	0.0095		0.0285	0.00001425
				VOC	43	% WT.	4.085		12.255	0.0061275
				SOLIDS	57	% WT.	5.415		16.245	0.0081225
GLAZED BLACK LATTE 10	H66PXH11099-1497	9.66	S	ETHYLBENZENE	0.2	% WT.	0.01932	18	0.34776	0.00017388
				XYLENE	1	% WT.	0.0966		1.7388	0.0008694
				FORMALDEHYDE	0.1	% WT.	0.00966		0.17388	0.00008694
				VOC	45	% WT.	4.347		78.246	0.039123
				SOLIDS	55	% WT.	5.313		95.634	0.047817
GLAZED BLACK DUNE 10	H66PXH11100-1497	9.57	S	ETHYLBENZENE	0.2	% WT.	0.01914	6	0.11484	0.00005742
				XYLENE	1	% WT.	0.0957		0.5742	0.0002871
				FORMALDEHYDE	0.1	% WT.	0.00957		0.05742	0.00002871
				VOC	43	% WT.	4.1151		24.6906	0.0123453
				SOLIDS	57	% WT.			32.7294	0.0163647
GLAZED BROWN DUNE 10	H66PXH11101-1497	9.58	S	ETHYLBENZENE	0.2	% WT.	0.01916	6	0.11496	0.00005748
				XYLENE	1	% WT.	0.0958		0.5748	0.0002874
				FORMALDEHYDE	0.1	% WT.	0.00958		0.05748	0.00002874
				VOC	43	% WT.	4.1194		24.7164	0.0123582
				SOLIDS	57	% WT.	5.4606		32.7636	0.0163818
GLAZED BLACK PEWTER 30	H66PXA11129-1497	9.64	S	ETHYLBENZENE	0.3	% WT.	0.02892	6	0.17352	0.00008676
				XYLENE	2	% WT.	0.1928		1.1568	0.0005784
				FORMALDEHYDE	0.1	% WT.	0.00964		0.05784	0.00002892
				VOC	43	% WT.	4.1452		24.8712	0.0124356
				SOLIDS	57	% WT.	5.4948		32.9688	0.0164844
AMARANTH BK GL 10	H66PXG11127-1497	8.88	S	ETHYLBENZENE	0.3	% WT.	0.02664	15	0.3996	0.0001998
				XYLENE	2	% WT.	0.1776		2.664	0.001332
				FORMALDEHYDE	0.1	% WT.	0.00888		0.1332	0.0000666
				VOC	47	% WT.	4.1736		62.604	0.031302
				SOLIDS	53	% WT.	4.7064		70.596	0.035298
CAMEO 10 SHEEN	H66PXH11110-1497	9.7	S	ETHYLBENZENE	0.3	% WT.	0.0291	120	3.492	0.001746
				XYLENE	1	% WT.	0.097		11.64	0.00582
				FORMALDEHYDE	0.1	% WT.	0.0097		1.164	0.000582
				VOC	44	% WT.	4.268		512.16	0.25608
				SOLIDS	56	% WT.	5.432		651.84	0.32592
GS1288 MATCH	H66PXGI11115-1497	9.62	S	ETHYLBENZENE	0.3	% WT.	0.02886	0	0	0
				XYLENE	2	% WT.	0.1924		0	0
				FORMALDEHYDE	0.1	% WT.	0.00962		0	0
				VOC	45	% WT.	4.329		0	0
				SOLIDS	55	% WT.	5.291		0	0
LINEN GLAZED 30 SHEEN	H66PXH11111-1497	9.65	S	ETHYLBENZENE	0.3	% WT.	0.02895	18	0.5211	0.00026055
				XYLENE	2	% WT.	0.193		3.474	0.001737
				FORMALDEHYDE	0.1	% WT.	0.00965		0.1737	0.00008685
				VOC	43	% WT.	4.1495		74.691	0.0373455
				SOLIDS	57	% WT.	5.5005		99.009	0.0495045
SILKTASLE BK/BR GLAZE	H66PXH11112-1497	9.7	S	ETHYLBENZENE	0.3	% WT.	0.0291	60	1.746	0.000873
				XYLENE	1	% WT.	0.097		5.82	0.00291
				FORMALDEHYDE	0.1	% WT.	0.0097		0.582	0.000291
				VOC	44	% WT.	4.268		256.08	0.12804
				SOLIDS	56	% WT.	5.432		325.92	0.16296
SURFSIDE 10 SHEEN	H66PXW11050-1497	9.71	S	ETHYLBENZENE	0.3	% WT.	0.02913	45	1.31085	0.000655425
				XYLENE	1	% WT.	0.0971		4.3695	0.002184475
				FORMALDEHYDE	0.1	% WT.	0.00971		0.43695	0.000218475
				VOC	44	% WT.	4.2724		192.258	0.096129
				SOLIDS	56	% WT.	5.4376		244.692	0.122346
SURFSIDE 30	H66PXW10947-1497	9.62	S	ETHYLBENZENE	0.3	% WT.	0.02886	495	14.2857	0.00714285
				XYLENE	2	% WT.	0.1924		95.238	0.047619
				FORMALDEHYDE	0.1	% WT.	0.00962		4.7619	0.00238095
				VOC	45	% WT.	4.329		2,142.86	1.0714275
				SOLIDS	55	% WT.	5.291		2,619.05	1.309525

Greenfield Cabinetry, LLC
Cabinet Manufacturing Facility

POTESTA & ASSOCIATES, INC.
Project Number 0101-15-0013

By: ADM
Date: 03/26/2015

Checked by: CCS
Date: 4/30/15

REFORMULATED COATING MATERIAL EMISSIONS- USING SHERWIN WILLIAMS MATERIALS
Codes: W=paint wiped on, S = paint sprayed

MATERIAL NAME	PRODUCT NUMBER	DENSITY		POLLUTANT	CONCENTRATION	UNIT	LBS/GAL	YEARLY USE (GAL)	EMISSION (LB/YEAR)	EMISSION (TONS/YEAR)
BISQUE 30	H66PXW11069-1497	9.6	S	ETHYLBENZENE	0.3	% WT	0.0288	0	0	0
				XYLENE	2	% WT.	0.192		0	0
				FORMALDEHYDE	0.1	% WT.	0.0096		0	0
				VOC	45	% WT.	4.32		0	0
				SOLIDS	55	% WT.	5.28		0	0
GLACIER TOPCOAT	H66PXW10943-1497	9.62	S	ETHYLBENZENE	0.3	% WT.	0.02886	810	23.3766	0.0116883
				XYLENE	2	% WT.	0.1924		155.844	0.077922
				FORMALDEHYDE	0.1	% WT.	0.00962		7.7922	0.0038961
				VOC	45	% WT.	4.329		3,506.49	1.753245
				SOLIDS	55	% WT.	5.291		4,285.71	2.142855
SW 7668 MARCH WIND	H66PXA11146-1497	9.63	S	ETHYLBENZENE	0.3	% WT	0.02889	0	0	0
				XYLENE	2	% WT.	0.1926		0	0
				FORMALDEHYDE	0.1	% WT.	0.00963		0	0
				VOC	45	% WT.	4.3335		0	0
				SOLIDS	55	% WT.	5.2965		0	0
10 SHEEN TOPCOAT	V84XXC11170-1497	8	S	FORMALDEHYDE	0.1	% WT.	0.008	0	0	0
				VOC	43	% WT.	5.04		0	0
				SOLIDS	37	% WT.	2.96		0	0
THUNDER GRAY	H66PXA11203-1497	8.52	S	ETHYLBENZENE	0.3	% WT.	0.02556	0	0	0
				XYLENE	2	% WT.	0.1704		0	0
				FORMALDEHYDE	0.1	% WT.	0.00852		0	0
				VOC	50	% WT.	4.26		0	0
				SOLIDS	50	% WT.	4.26		0	0
LINEN WHITE	H66PXW11198-1497	9.62	S	ETHYLBENZENE	0.3	% WT.	0.02886	0	0	0
				XYLENE	2	% WT.	0.1924		0	0
				FORMALDEHYDE	0.1	% WT.	0.00962		0	0
				VOC	45	% WT.	4.329		0	0
				SOLIDS	55	% WT.	5.291		0	0
SUNSET PRE STAIN	P63BX00010772-1497	7.01	S	TOLUENE	1	% WT.	0.0701	9	0.6309	0.00031545
				XYLENE	2	% WT.	0.1402		1.2618	0.0006309
				VOC	95	% WT.	6.6595		59.9355	0.02996775
				SOLIDS	5	% WT.	0.3505		3.1545	0.00157725
MAPLE SPICE SPRAY NO WIPE	P63BXN11151-1497	7.05	S	TOLUENE	2	% WT.	0.141	0	0	0
				ETHYLBENZENE	0.2	% WT.	0.0141		0	0
				XYLENE	1	% WT.	0.0705		0	0
				VOC	5	% WT.	0.3525		0	0
				VOC	81	% WT.	5.7105		0	0
				SOLIDS	19	% WT.	1.3395		0	0
MAPLE AMBERGLO SPRAY NO WIPE	P63BXN11152-1497	6.98	S	TOLUENE	2	% WT.	0.1396	0	0	0
				ETHYLBENZENE	0.2	% WT.	0.01396		0	0
				XYLENE	1	% WT.	0.0698		0	0
				VOC	4	% WT.	0.2792		0	0
				VOC	82	% WT.	5.7236		0	0
				SOLIDS	18	% WT.	1.2564		0	0
GLACIER 30 SHEEN	H66PXH10944-1497	9.64	S	ETHYLBENZENE	0.3	% WT	0.02892	45	1.3014	0.0006507
				XYLENE	2	% WT.	0.1928		8.676	0.004338
				FORMALDEHYDE	0.1	% WT.	0.00964		0.4338	0.0002169
				VOC	45	% WT.	4.338		195.21	0.097605
				SOLIDS	55	% WT.	5.302		238.59	0.119295
CREAM 30 SHEEN	H66PXH11195-1497	9.51	S	ETHYLBENZENE	0.3	% WT.	0.02853	15	0.42795	0.000213975
				XYLENE	1	% WT.	0.0951		1.4265	0.00071325
				FORMALDEHYDE	0.1	% WT.	0.00951		0.14265	0.000071325
				VOC	44	% WT.	4.1844		62.766	0.031383
				SOLIDS	56	% WT.	5.3256		79.884	0.039942
WATERWHITE VARNISH	V84F198	8.04	S	FORMALDEHYDE	0.1	% WT.	0.00804	0	0	0
				VOC	66	% WT.	5.3064		0	0
				SOLIDS	34	% WT.	2.7336		0	0
GLACIER 10 SHEEN	H66PXI11171-1497	8.47	S	ETHYLBENZENE	0.3	% WT.	0.02541	345	8.76645	0.004383225
				XYLENE	2	% WT.	0.1694		58.443	0.0292215
				FORMALDEHYDE	0.1	% WT.	0.00847		2.92215	0.001461075
				VOC	47	% WT.	3.9809		1,373.41	0.68670525
				SOLIDS	53	% WT.	4.4891		1,548.74	0.77436975
GREEN 30	H66PXO11273	8.31	S	ETHYLBENZENE	0.2	% WT.	0.01662	0	0	0
				XYLENE	1	% WT.	0.0831		0	0
				FORMALDEHYDE	0.1	% WT.	0.00831		0	0
				VOC	51	% WT.	4.2381		0	0
				SOLIDS	49	% WT.	4.0719		0	0
SW 6199	H66PXO11115-1497	9.62	S	ETHYLBENZENE	0.3	% WT.	0.02886	0	0	0
				XYLENE	2	% WT.	0.1924		0	0
				FORMALDEHYDE	0.1	% WT.	0.00962		0	0
				VOC	47	% WT.	4.5214		0	0
				SOLIDS	53	% WT.	5.0986		0	0
OFJ867	H66PXW11283	9.54	S	ETHYLBENZENE	0.3	% WT.	0.02862	0	0	0
				XYLENE	1	% WT.	0.0954		0	0
				FORMALDEHYDE	0.1	% WT.	0.00954		0	0
				VOC	44	% WT.	4.1976		0	0
				SOLIDS	56	% WT.	5.3424		0	0
SEAL SKIN	H66PXA11270-1497	8.47	S	ETHYLBENZENE	0.3	% WT.	0.02541	0	0	0
				XYLENE	2	% WT.	0.1694		0	0
				FORMALDEHYDE	0.1	% WT.	0.00847		0	0
				VOC	49	% WT.	4.1503		0	0
				SOLIDS	51	% WT.	4.3197		0	0
SUNSET SPRAY	P63BXN11139-1497	6.79	S	VOC	99	% WT.	6.7221	0	0	0
				SOLIDS	1	% WT.	0.0679		0	0
GARDENIA	E63PLW11172-1497	10.01	S	ETHYLBENZENE	0.3	% WT.	0.03003	0	0	0
				XYLENE	2	% WT.	0.2002		0	0
				FORMALDEHYDE	0.1	% WT.	0.01001		0	0
				METHANOL	3	% WT.	0.3003		0	0
				VOC	43	% WT.	4.3043		0	0
				SOLIDS	57	% WT.	5.7057		0	0
10 SHEEN CONV VARN	V84XXC11241-1497	8.04	S	FORMALDEHYDE	0.1	% WT.	0.00804	1650	13.266	0.006633
				VOC	66	% WT.	5.3064		8,755.56	4.37778
				SOLIDS	34	% WT.	2.7336		4,510.44	2.25522
DIGNITY BLUE	H66PXL11255-1497	8.37	S	ETHYLBENZENE	0.2	% WT.	0.01674	0	0	0
				FORMALDEHYDE	0.1	% WT.	0.00837		0	0
				VOC	50	% WT.	4.185		0	0
				SOLIDS	50	% WT.	4.185		0	0
BUTTER UP	H66PXY11212-1497	9.47	S	ETHYLBENZENE	0.3	% WT.	0.02841	0	0	0
				XYLENE	1	% WT.	0.0947		0	0
				FORMALDEHYDE	0.1	% WT.	0.00947		0	0
				VOC	44	% WT.	4.1668		0	0
				SOLIDS	56	% WT.	5.3032		0	0
SILVER PLATE	H66PXA11250-1497	9.63	S	ETHYLBENZENE	0.3	% WT.	0.02889	0	0	0
				XYLENE	2	% WT.	0.1926		0	0
				FORMALDEHYDE	0.1	% WT.	0.00963		0	0
				VOC	43	% WT.	4.1409		0	0
				SOLIDS	57	% WT.	5.4891		0	0
CREAM PRIMER	E63PLH11258	9.82	S	ETHYLBENZENE	0.3	% WT.	0.02946	0	0	0
				XYLENE	2	% WT.	0.1964		0	0
				FORMALDEHYDE	0.1	% WT.	0.00982		0	0
				METHANOL	3	% WT.	0.2946		0	0
				VOC	45	% WT.	4.419		0	0
				SOLIDS	55	% WT.	5.401		0	0
GLAZED SAND 10 SHEEN	H66PXQ11240-1497	9.48	S	ETHYLBENZENE	0.3	% WT.	0.02844	15	0.4266	0.0002133
				XYLENE	1	% WT.	0.0948		1.422	0.000711
				FORMALDEHYDE	0.1	% WT.	0.00948		0.1422	0.0000711
				VOC	44	% WT.	4.1712		62.568	0.031284
				SOLIDS	56	% WT.	5.3088		79.632	0.039816
GLAZED VERBENA	H66PXG11362-1497	8.76	S	ETHYLBENZENE	0.2	% WT.	0.01752	0	0	0
				XYLENE	1	% WT.	0.0876		0	0
				FORMALDEHYDE	0.1	% WT.	0.00876		0	0
				VOC	49	% WT.	4.2924		0	0
				SOLIDS	51	% WT.	4.4676		0	0
WHITE PRE REDUCED	E63PLW11365-1497	9.81	S	ETHYLBENZENE	0.3	% WT.	0.02943	0	0	0
				XYLENE	2	% WT.	0.1962		0	0
				FORMALDEHYDE	0.1	% WT.	0.00981		0	0
				VOC	45	% WT.	4.4145		0	0
				SOLIDS	55	% WT.	5.3955		0	0
GLAZED SAGE	H66PXL11361-1497	9.66	S	ETHYLBENZENE	0.3	% WT.	0.02898	3	0.08694	0.00004347
				XYLENE	2	% WT.	0.1932		0.5796	0.0002898
				FORMALDEHYDE	0.1	% WT.	0.00966		0.02898	0.00001449
				VOC	45	% WT.	4.347		13.041	0.0065205
				SOLIDS	55	% WT.	5.313		15.939	0.0079695
G51069	H66PXW11342	9.62	S	ETHYLBENZENE	0.3	% WT.	0.02886	0	0	0

Greenfield Cabinetry, LLC
Cabinet Manufacturing Facility

POTESTA & ASSOCIATES, INC.
Project Number 0101-15-0013

By: ADM
Date: 03/26/2015

Checked by: CCS
Date: 4/30/15

REFORMULATED COATING MATERIAL EMISSIONS- USING SHERWIN WILLIAMS MATERIALS
Codes: W=paint wiped on, S = paint sprayed

MATERIAL NAME	PRODUCT NUMBER	DENSITY		POLLUTANT	CONCENTRATION	UNIT	LBS/GAL	YEARLY USE (GAL)	EMISSION (LB/YEAR)	EMISSION (TONS/YEAR)
					1	% WT.	0.0962		0	0
				FORMALDEHYDE	0.1	% WT.	0.00962		0	0
				VOC	45	% WT.	4.329		0	0
				SOLIDS	55	% WT.	5.291		0	0
MAXI TEAL 30	H66PXG11335-1497	8.31	S	ETHYLBENZENE	0.3	% WT.	0.02493	0	0	0
				XYLENE	1	% WT.	0.0831		0	0
				FORMALDEHYDE	0.1	% WT.	0.00831		0	0
				VOC	52	% WT.	4.3212		0	0
				SOLIDS	48	% WT.	3.9888		0	0
GARDENIA 10 SHEEN	H66PXW11258-1497	9.38	S	ETHYLBENZENE	0.3	% WT.	0.02814	150	4.221	0.0021105
				XYLENE	1	% WT.	0.0938		14.07	0.007035
				FORMALDEHYDE	0.1	% WT.	0.00938		1.407	0.0007035
				VOC	46	% WT.	4.3148		647.22	0.32361
				SOLIDS	54	% WT.	5.0652		759.78	0.37989
LATTE BRN/BLK GLAZE	P63BXH11410	8.89	S	TOLUENE	6	% WT.	0.5334	30	16.002	0.008001
				ETHYLBENZENE	1	% WT.	0.0889		2.667	0.0013335
				XYLENE	7	% WT.	0.6223		18.669	0.0093345
				MEK	8	% WT.	0.7112		21.336	0.010668
				MIBK	3	% WT.	0.2667		8.001	0.0040005
				VOC	63	% WT.	5.6007		168.021	0.0840105
				SOLIDS	37	% WT.	3.2893		98.679	0.0493395
GARDENIA BRN/BLK GLAZE	P630XW11419	8.93	S	TOLUENE	6	% WT.	0.5358	60	32.148	0.0160674
				ETHYLBENZENE	1	% WT.	0.0893		5.358	0.002679
				XYLENE	8	% WT.	0.7144		42.864	0.021432
				MEK	7	% WT.	0.6251		37.506	0.018753
				MIBK	3	% WT.	0.2679		16.074	0.008037
				VOC	62	% WT.	5.5366		332.196	0.166098
				SOLIDS	38	% WT.	3.3934		203.604	0.101802
CAMEO BRN/BLK GLAZE	P63BXH11412	8.93	S	TOLUENE	6	% WT.	0.5358	75	40.185	0.0200925
				ETHYLBENZENE	1	% WT.	0.0893		6.6975	0.00334875
				XYLENE	8	% WT.	0.7144		53.58	0.02679
				MEK	7	% WT.	0.6251		46.8825	0.02344125
				MIBK	3	% WT.	0.2679		20.0925	0.01004625
				VOC	62	% WT.	5.5366		415.245	0.2076225
				SOLIDS	38	% WT.	3.3934		254.505	0.1272525
GLACIER BRN/BLK GLAZE	P63BXW11417	8.94	S	TOLUENE	6	% WT.	0.5364	105	56.322	0.028161
				ETHYLBENZENE	1	% WT.	0.0894		9.387	0.0046935
				XYLENE	8	% WT.	0.7152		75.096	0.037548
				MEK	7	% WT.	0.6258		65.709	0.0328545
				MIBK	3	% WT.	0.2682		28.161	0.014080 5
				VOC	63	% WT.	5.6322		591.381	0.2956905
				SOLIDS	37	% WT.	3.3078		347.319	0.1736595
AMARANTH BRN/BLK GLAZE	P63BXG11409	8.89	S	TOLUENE	6	% WT.	0.5334	15	8.001	0.0040005
				ETHYLBENZENE	1	% WT.	0.0889		1.3335	0.00066675
				XYLENE	7	% WT.	0.6223		9.3345	0.00466725
				MEK	8	% WT.	0.7112		10.668	0.005334
				MIBK	3	% WT.	0.2667		4.0005	0.00200025
				VOC	63	% WT.	5.6007		84.0105	0.042005 25
				SOLIDS	37	% WT.	3.2893		49.3395	0.02466975
VERBENA BRN/BLK GLAZE	P63BXG11408	8.9	S	TOLUENE	6	% WT.	0.534	30	16.02	0.00801
				ETHYLBENZENE	1	% WT.	0.089		2.67	0.001335
				XYLENE	7	% WT.	0.623		18.69	0.009345
				MEK	8	% WT.	0.712		21.36	0.01068
				MIBK	3	% WT.	0.267		8.01	0.004005
				VOC	63	% WT.	5.607		168.21	0.084105
				SOLIDS	37	% WT.	3.293		98.79	0.049395
SILKTASSLE BRN/BLK GLAZE	P63BXH11411	8.888	S	TOLUENE	6	% WT.	0.5328	60	31.968	0.015984
				ETHYLBENZENE	1	% WT.	0.0888		5.328	0.002664
				XYLENE	7	% WT.	0.6216		37.296	0.018648
				MEK	8	% WT.	0.7104		42.624	0.021312
				MIBK	3	% WT.	0.2664		15.984	0.007992
				VOC	63	% WT.	5.5944		335.664	0.167832
				SOLIDS	37	% WT.	3.2856		197.136	0.098568
EUCALYPTUS BRN/BLK GLAZE	P63BXA11406	8.91	S	TOLUENE	6	% WT.	0.5346	60	32.076	0.016038
				ETHYLBENZENE	1	% WT.	0.0891		5.346	0.002673
				XYLENE	8	% WT.	0.7128		42.768	0.021384
				MEK	7	% WT.	0.6237		37.422	0.018711
				MIBK	3	% WT.	0.2673		16.038	0.008019
				VOC	63	% WT.	5.6133		336.798	0.168399
				SOLIDS	37	% WT.	3.2967		197.802	0.098901
JUNIPER BRN/BLK GLAZE	P63BXG811407	8.9	S	TOLUENE	6	% WT.	0.534	15	8.01	0.004005
				ETHYLBENZENE	1	% WT.	0.089		1.335	0.0006675
				XYLENE	8	% WT.	0.712		10.68	0.00534
				MEK	7	% WT.	0.623		9.345	0.0046725
				MIBK	3	% WT.	0.267		4.005	0.0020025
				VOC	63	% WT.	5.607		84.105	0.0420525
				SOLIDS	37	% WT.	3.293		49.395	0.0246975
SURFSIDE	P63BXW11418	8.94	S	TOLUENE	6	% WT.	0.5364	60	32.184	0.016092
				ETHYLBENZENE	1	% WT.	0.0894		5.364	0.002682
				XYLENE	8	% WT.	0.7152		42.912	0.021456
				MEK	7	% WT.	0.6258		37.548	0.018774
				MIBK	3	% WT.	0.2682		16.092	0.008046
				VOC	62	% WT.	5.5428		332.568	0.166284
				SOLIDS	38	% WT.	3.3972		203.832	0.101916
V22 DILUTED	V663XV11364	7.31	S	VOC	88	% WT.	6.4328	120	771.936	0.385968
				SOLIDS	12	% WT.	0.8772		105.264	0.052632
CHANTILLY LACE	H66PXW11448	9.61	S	ETHYLBENZENE	0.3	% WT.	0.02883	0	0	0
				XYLENE	2	% WT.	0.1923		0	0
				FORMALDEHYDE	0.1	% WT.	0.00961		0	0
				VOC	45	% WT.	4.3245		0	0
				SOLIDS	55	% WT.	5.2855		0	0
DUNE NOT REDUCED	P63BXH11413	8.9	S	TOLUENE	6	% WT.	0.534	30	16.02	0.00801
				ETHYLBENZENE	1	% WT.	0.089		2.67	0.001335
				XYLENE	7	% WT.	0.623		18.69	0.009345
				MEK	7	% WT.	0.623		18.69	0.009345
				MIBK	3	% WT.	0.267		8.01	0.004005
				VOC	63	% WT.	5.607		168.21	0.084105
				SOLIDS	37	% WT.	3.293		98.79	0.049395
WINDS BREATH	H66PXH11443	9.63	S	ETHYLBENZENE	0.3	% WT.	0.02889	0	0	0
				XYLENE	2	% WT.	0.1926		0	0
				FORMALDEHYDE	0.1	% WT.	0.00963		0	0
				VOC	45	% WT.	4.3335		0	0
				SOLIDS	55	% WT.	5.2965		0	0
BEN MOORE/ICICLE	H66PXW11395	9.62	S	ETHYLBENZENE	0.3	% WT.	0.02886	0	0	0
				XYLENE	2	% WT.	0.1924		0	0
				FORMALDEHYDE	0.1	% WT.	0.00962		0	0
				VOC	45	% WT.	4.329		0	0
				SOLIDS	55	% WT.	5.291		0	0
BEN MOORE/BABY BR	H66PXW11396	9.63	S	ETHYLBENZENE	0.3	% WT.	0.02889	0	0	0
				XYLENE	2	% WT.	0.1926		0	0
				FORMALDEHYDE	0.1	% WT.	0.00963		0	0
				VOC	45	% WT.	4.3335		0	0
				SOLIDS	55	% WT.	5.2965		0	0
GLAZED VICTORIN	H66PXH11393	9.71	S	ETHYLBENZENE	0.3	% WT.	0.02913	0	0	0
				XYLENE	2	% WT.	0.1942		0	0
				FORMALDEHYDE	0.1	% WT.	0.00971		0	0
				VOC	44	% WT.	4.2724		0	0
				SOLIDS	56	% WT.	5.4376		0	0
EXTRA WHITE	H66PXW11404	9.62	S	ETHYLBENZENE	0.3	% WT.	0.02886	0	0	0
				XYLENE	2	% WT.	0.1924		0	0
				FORMALDEHYDE	0.1	% WT.	0.00962		0	0
				VOC	45	% WT.	4.329		0	0
				SOLIDS	55	% WT.	5.291		0	0
BRIE	H66PXH10946	9.66	S	ETHYLBENZENE	0.3	% WT.	0.02898	15	0.4347	0.00021735
				XYLENE	2	% WT.	0.1932		2.898	0.001449
				FORMALDEHYDE	0.1	% WT.	0.00966		0.1449	0.00007245
				VOC	45	% WT.	4.347		65.205	0.0326025
				SOLIDS	55	% WT.	5.313		79.695	0.039847 5
CHERRY TOMATO	H66PXR11323	8.21	S	ETHYLBENZENE	0.3	% WT.	0.02463	0	0	0
				XYLENE	1	% WT.	0.0821		0	0
				FORMALDEHYDE	0.1	% WT.	0.00821		0	0
				VOC	53	% WT.	4.3513		0	0
				SOLIDS	47	% WT.	3.8587		0	0
DOWNY	H66PXW11394	9.62	S	ETHYLBENZENE	0.3	% WT.	0.02886	0	0	0
				XYLENE	2	% WT.	0.1924		0	0
				FORMALDEHYDE	0.1	% WT.	0.00962		0	0
				VOC	45	% WT.	4.329		0	0
				SOLIDS	55	% WT.	5.291		0	0

Greenfield Cabinetry, LLC
Cabinet Manufacturing Facility

POTESTA & ASSOCIATES, INC
Project Number 0101-15-0013

By: ADM
Date: 03/26/2015

Checked by: CCS
Date: 4/30/15

REFORMULATED COATING MATERIAL EMISSIONS- USING SHERWIN WILLIAMS MATERIALS
Codes. W=paint wiped on, S = paint sprayed

MATERIAL NAME	PRODUCT NUMBER	DENSITY		POLLUTANT	CONCENTRATION	UNIT	LBS/GAL	YEARLY USE (GAL)	EMISSION (LB/YEAR)	EMISSION (TONS/YEAR)
STONE GRAY	H66PA11392	9.72	S	ETHYLBENZENE	0.3	% WT.	0.02916	0	0	0
				XYLENE	2	% WT.	0.1944		0	0
				FORMALDEHYDE	0.1	% WT.	0.00972		0	0
				VOC	44	% WT.	4.2768		0	0
				SOLIDS	56	% WT.	5.4432		0	0
SAND BRN BLK NOT PRE	P63BXW11416-1497	8.93	S	TOLUENE	6	% WT.	0.5358	30	16.074	0.008037
				ETHYLBENZENE	1	% WT.	0.0893		2.679	0.0013395
				XYLENE	8	% WT.	0.7144		21.432	0.010716
				MEK	7	% WT.	0.6251		18.753	0.0093765
				MIBK	3	% WT.	0.2679		8.037	0.0040185
				VOC	62	% WT.	5.5366		166.098	0.083049
				SOLIDS	38	% WT.	3.3934		101.802	0.050901
EUCALYPTUS BK/BR GLAZ	H66PXA11299-1497	8.92	S	ETHYLBENZENE	0.3	% WT.	0.02676	48	1.28448	0.00064224
				XYLENE	2	% WT.	0.1784		8.5632	0.0042816
				FORMALDEHYDE	0.1	% WT.	0.00892		0.42816	0.00021408
				VOC	47	% WT.	4.1924		201.2352	0.1006176
				SOLIDS	53	% WT.	4.7276		226.9248	0.1134624
FAWN PRESTAIN	P64BXN11494	6.93	S	VOC	97	% WT.	6.7221	15	100.8315	0.050415575
				SOLIDS	3	% WT.	0.2079		3.1185	0.00155925
FAWN STAIN	S64XXN11495	7.27	W	ETHYLBENZENE	0.2	% WT.	0.01454	36	0.52344	0.000261172
				XYLENE	1	% WT.	0.0727		2.6172	0.00130086
				VOC	73	% WT.	5.3071		191.0556	0.0955278
				SOLIDS	27	% WT.	1.9629		70.6641	0.0353322
PRAIRIE	S64XXN11496	7.7	W	ETHYLBENZENE	0.2	% WT.	0.0154	0	0	0
				COBALT 2 ETHYLHEXANOATE	0.1	% WT.	0.0077		0	0
				VOC	60	% WT.	4.62		0	0
				SOLIDS	40	% WT.	3.08		0	0
COASTAL PRESTAIN	S64XXN11497	7.7	S	TOLUENE	3	% WT.	0.231	21	4.851	0.0024255
				ETHYLBENZENE	0.2	% WT.	0.0154		0.3234	0.0001617
				XYLENE	1	% WT.	0.077		1.617	0.0008085
				MEK	8	% WT.	0.616		12.936	0.006468
				VOC	81	% WT.	6.237		130.977	0.0654885
				SOLIDS	19	% WT.	1.463		30.723	0.0153615
COASTAL STAIN	S64XXN11498	7.43	W	ETHYLBENZENE	0.1	% WT.	0.00743	12	0.08916	0.00004458
				COBALT 2 ETHYLHEXANOATE	0.1	% WT.	0.00743		0.08916	0.00004458
				VOC	67	% WT.	4.9781		59.7372	0.0298686
				SOLIDS	33	% WT.	2.4519		29.4228	0.0147114
PLANTATION	S64XXN11499	8.11	W	VOC	64	% WT.	5.1904	0	0	0
				SOLIDS	36	% WT.	2.9196		0	0
CLOVE	S64XXN11506	8.15	W	ETHYLBENZENE	0.2	% WT.	0.0163	0	0	0
				XYLENE	1	% WT.	0.0815		0	0
				COBALT 2 ETHYLHEXANOATE	0.1	% WT.	0.00815		0	0
				VOC	59	% WT.	4.8085		0	0
				SOLIDS	41	% WT.	3.3415		0	0
BREAKWATER PRESTAIN	S64XXN12421	7.17	S	ETHYLBENZENE	0.1	% WT.	0.00717	45	0.32265	0.000161325
				XYLENE	4	% WT.	0.2868		12.906	0.006453
				VOC	91	% WT.	6.5247		293.6115	0.14680575
				SOLIDS	9	% WT.	0.6453		29.0385	0.01451925
BREAKWATER	S64XXN12420	6.89	W	VOC	80	% WT.	5.512	21	115.752	0.057876
				SOLIDS	20	% WT.	1.378		28.938	0.014469
VAGUELY MAUVE	H66PXA11530	9.62	S	ETHYLBENZENE	0.3	% WT.	0.02886	0	0	0
				XYLENE	2	% WT.	0.1924		0	0
				FORMALDEHYDE	0.1	% WT.	0.00962		0	0
				VOC	45	% WT.	4.329		0	0
				SOLIDS	55	% WT.	5.291		0	0
BEN MOORE 001 WHITE PART	H66PXW11321	9.64	S	ETHYLBENZENE	0.3	% WT.	0.02892	0	0	0
				XYLENE	2	% WT.	0.1928		0	0
				FORMALDEHYDE	0.1	% WT.	0.00964		0	0
				VOC	45	% WT.	4.338		0	0
				SOLIDS	55	% WT.	5.302		0	0
HARBOR WHITE	H66PXW11992	10.08	S	ETHYLBENZENE	0.3	% WT.	0.03024	150	4.536	0.002268
				XYLENE	2	% WT.	0.2016		30.24	0.01512
				FORMALDEHYDE	0.1	% WT.	0.01008		1.512	0.000756
				VOC	35	% WT.	3.528		529.2	0.2646
				SOLIDS	65	% WT.	6.552		982.8	0.4914
CREAM BRO/BLK NOT PRE	P63BXH11414	8.94	S	TOLUENE	6	% WT.	0.5364	45	24.138	0.012069
				ETHYLBENZENE	1	% WT.	0.0894		4.023	0.0020115
				XYLENE	8	% WT.	0.7152		32.184	0.016092
				MEK	7	% WT.	0.6258		28.161	0.0140805
				MIBK	3	% WT.	0.2682		12.069	0.0060345
				VOC	63	% WT.	5.6322		253.449	0.1267245
				SOLIDS	37	% WT.	3.3078		148.851	0.0744255
CAIRO STAIN ALDER	S64XXN11468	7.48	W	ETHYLBENZENE	0.2	% WT.	0.01496	0	0	0
				XYLENE	1	% WT.	0.0748		0	0
				COBALT 2 ETHYLHEXANOATE	0.1	% WT.	0.00748		0	0
				VOC	60	% WT.	4.488		0	0
				SOLIDS	40	% WT.	2.992		0	0
BEN MOORE OC-62 BABYS B	H66PXW11396-1497	9.63	S	ETHYLBENZENE	0.3	% WT.	0.02889	0	0	0
				XYLENE	2	% WT.	0.1926		0	0
				FORMALDEHYDE	0.1	% WT.	0.00963		0	0
				VOC	45	% WT.	4.3335		0	0
				SOLIDS	55	% WT.	5.2965		0	0
7074 SOFTWARE	H66PXA11491	9.67	S	ETHYLBENZENE	0.3	% WT.	0.02901	0	0	0
				XYLENE	1	% WT.	0.0967		0	0
				FORMALDEHYDE	0.1	% WT.	0.00967		0	0
				VOC	45	% WT.	4.3515		0	0
				SOLIDS	55	% WT.	5.3185		0	0
BEN MORE 2137-60 GRAY	H66PXA11566-1497	9.63	S	ETHYLBENZENE	0.3	% WT.	0.02889	0	0	0
				XYLENE	2	% WT.	0.1926		0	0
				FORMALDEHYDE	0.1	% WT.	0.00963		0	0
				VOC	45	% WT.	4.3335		0	0
				SOLIDS	55	% WT.	5.2965		0	0
BISQUE 10 SHEEN	H66PXW11280-1497	9.54	S	ETHYLBENZENE	0.3	% WT.	0.02862	0	0	0
				XYLENE	2	% WT.	0.1908		0	0
				FORMALDEHYDE	0.1	% WT.	0.00954		0	0
				VOC	44	% WT.	4.1976		0	0
				SOLIDS	56	% WT.	5.3424		0	0

Greenfield Cabinetry, LLC
Cabinet Manufacturing Facility

POTESTA & ASSOCIATES, INC
Project Number 0101-15-0013

By: ADM
Date: 03/26/2015

Checked by: CCS
Date: 4/30/15

REFORMULATED COATING MATERIAL EMISSIONS- USING SHERWIN WILLIAMS MATERIALS
Codes: W=paint wiped on, S = paint sprayed

MATERIAL NAME	PRODUCT NUMBER	DENSITY		POLLUTANT	CONCENTRATION	UNIT	LBS/GAL	YEARLY USE (GAL)	EMISSION (LB/YEAR)	EMISSION (TONS/YEAR)
CLOVE	S64XXN4506-1286	8.15	W	ETHYLBENZENE	0.2	% WT.	0.0163	12	0.1956	0.0000978
				XYLENE	1	% WT.	0.0815		0.978	0.000489
				COBALT 2 ETHYLHEXANOATE	0.1	% WT.	0.00815		0.0978	0.0000489
				VOC	59	% WT.	4.8085		57.702	0.028851
				SOLIDS	40	% WT.	3.26		39.12	0.01956
CORDOVAN TONER	T69XXN12511-1286	6.94	S	MEK	1	% WT.	0.0694	6	0.4164	0.0002082
				VOC	97	% WT.	6.7318		40.3908	0.0201954
				SOLIDS	3	% WT.	0.2082		1.2492	0.0006246
PLANTATION TONER	T69XXN12879-1286	7.09	S	TOLUENE	9	% WT.	0.6381	0	0	0
				FORMALDEHYDE	0.1	% WT.	0.00709		0	0
				VOC	86	% WT.	6.0974		0	0
				SOLIDS	14	% WT.	0.9926		0	0
PEWTER NOT REDUCED	P63BXA11403-1497	8.91	S	TOLUENE	6	% WT.	0.5346	13	8.019	0.0040095
				ETHYLBENZENE	1	% WT.	0.0891		1.3365	0.00066825
				XYLENE	8	% WT.	0.7128		10.692	0.005346
				MEK	7	% WT.	0.6237		9.3555	0.00467775
				MIBK	3	% WT.	0.2673		4.0095	0.00200475
				VOC	63	% WT.	5.6133		84.1995	0.04209975
				SOLIDS	37	% WT.	3.2967		49.4505	0.02472525
BRICK	P63BVR10254-1497	7.88	S	ETHYLBENZENE	0.3	% WT.	0.02364	15	0.3546	0.0001773
				XYLENE	2	% WT.	0.1576		2.364	0.001182
				MEK	14	% WT.	1.1032		16.548	0.008274
				VOC	75	% WT.	5.91		88.65	0.044325
				SOLIDS	25	% WT.	1.97		29.55	0.014775
REPOSE GRAY	H66PXA12773-1286	9.74	S	ETHYLBENZENE	0.3	% WT.	0.02922	75	2.1913	0.00109575
				XYLENE	2	% WT.	0.1948		14.61	0.007305
				FORMALDEHYDE	0.1	% WT.	0.00974		0.7305	0.00036525
				VOC	40	% WT.	3.896		292.2	0.1461
				SOLIDS	60	% WT.	5.844		438.3	0.21915
DORIAN GRAY	H66PXA12774-1286	9.46	S	ETHYLBENZENE	0.3	% WT.	0.02838	30	0.8514	0.0004257
				XYLENE	2	% WT.	0.1892		5.676	0.0028378
				FORMALDEHYDE	0.1	% WT.	0.00946		0.2838	0.0001419
				VOC	45	% WT.	4.257		127.71	0.063855
				SOLIDS	55	% WT.	5.203		156.09	0.078045
BLACK FOX	H66PXA12777-1268	8.61	S	ETHYLBENZENE	0.3	% WT.	0.02583	30	0.7749	0.00038745
				XYLENE	2	% WT.	0.1722		5.166	0.002583
				FORMALDEHYDE	0.1	% WT.	0.00861		0.2583	0.00012915
				VOC	48	% WT.	4.1328		123.984	0.061992
				SOLIDS	52	% WT.	4.4772		134.316	0.067158
GAUNLET GRAY	H66PXA12776-1286	8.87	S	ETHYLBENZENE	0.3	% WT.	0.02661	63	1.67643	0.000838215
				XYLENE	2	% WT.	0.1774		11.1762	0.0055881
				FORMALDEHYDE	0.1	% WT.	0.00887		0.55881	0.000279405
				VOC	47	% WT.	4.1669		262.6407	0.13132035
				SOLIDS	53	% WT.	4.7011		296.1693	0.14808465
MATTERS PAR	H66PXA12778-1286	9.15	S	ETHYLBENZENE	0.3	% WT.	0.02745	60	1.647	0.0008235
				XYLENE	2	% WT.	0.183		10.98	0.00549
				FORMALDEHYDE	0.1	% WT.	0.00915		0.549	0.0002745
				VOC	43	% WT.	3.9345		236.07	0.118035
				SOLIDS	57	% WT.	5.2155		312.93	0.156465
CRISP LINEN 30	H66PXW11659	9.61	S	ETHYLBENZENE	0.3	% WT.	0.02883	0	0	0
				XYLENE	2	% WT.	0.1922		0	0
				FORMALDEHYDE	0.1	% WT.	0.00961		0	0
				VOC	45	% WT.	4.3245		0	0
				SOLIDS	55	% WT.	5.2855		0	0
FEDERAL CHERRY	P63BXR12413-1286	6.89	S	VOC	98	% WT.	6.7522	135	911.547	0.4557735
				SOLIDS	2	% WT.	0.1378		18.603	0.0093015
SLATE NOT REDUCED	P63BXL11415-1497	8.79	S	TOLUENE	5	% WT.	0.4395	15	6.5925	0.00329625
				ETHYLBENZENE	1	% WT.	0.0879		1.3185	0.00065925
				XYLENE	7	% WT.	0.6153		9.2295	0.00461475
				MEK	7	% WT.	0.6153		9.2295	0.00461475
				MIBK	3	% WT.	0.2637		3.9555	0.00197775
				VOC	64	% WT.	5.6256		84.384	0.042192
				SOLIDS	36	% WT.	3.1644		47.466	0.023733
MAPLE GINGER	S64XXN12931-1286	8.97	W	ETHYLBENZENE	0.1	% WT.	0.00897	0	0	0
				VOC	50	% WT.	4.485		0	0
				SOLIDS	50	% WT.	4.485		0	0
DOVE TAIL	H66PXA12775-1286	8.96	S	ETHYLBENZENE	0.3	% WT.	0.02688	60	1.6128	0.0008064
				XYLENE	2	% WT.	0.1792		10.752	0.005376
				FORMALDEHYDE	0.1	% WT.	0.00896		0.5376	0.0002688
				VOC	47	% WT.	4.2112		252.672	0.126336
				SOLIDS	53	% WT.	4.7488		284.928	0.142464
BEACH WHITE	H66PXW11621-1497	9.5	S	ETHYLBENZENE	0.3	% WT.	0.0285	6	0.171	0.0000855
				XYLENE	1	% WT.	0.095		0.57	0.000285
				FORMALDEHYDE	0.1	% WT.	0.0095		0.057	0.0000285
				VOC	44	% WT.	4.18		25.08	0.01254
				SOLIDS	56	% WT.	5.32		31.92	0.01596
CITY SCAPE	H66PXA12779-1286	8.73	S	ETHYLBENZENE	0.3	% WT.	0.02619	30	0.7857	0.00039285
				XYLENE	2	% WT.	0.1746		5.238	0.002619
				FORMALDEHYDE	0.1	% WT.	0.00873		0.2619	0.00013095
				VOC	46	% WT.	4.0158		120.474	0.060237
				SOLIDS	54	% WT.	4.7142		141.426	0.070713
NEW CAB TONER	T69XXN12437-1286	6.92	S	VOC	98	% WT.	6.7816	51	345.8616	0.1729308
				SOLIDS	2	% WT.	0.1384		7.0584	0.0035292
NEW GINGER TONER	T69XXN12512-1286	6.97	S	MEK	1	% WT.	0.0697	21	1.4637	0.00073185
				VOC	97	% WT.	6.7609		141.9789	0.07098945
				SOLIDS	3	% WT.	0.2091		4.3911	0.00219555
NEW SPICE TONER	T69XXN12302-1286	6.86	S	TOLUENE	1	% WT.	0.0686	45	3.087	0.0015435
				MEK	2	% WT.	0.1372		6.174	0.003087
				VOC	96	% WT.	6.5856		296.352	0.148176
				SOLIDS	4	% WT.	0.2744		12.348	0.006174
BRICK NOT PRE REDUCED	P63BXR11560-1497	7.96	S	ETHYLBENZENE	0.3	% WT.	0.02388	0	0	0
				XYLENE	2	% WT.	0.1592		0	0
				MEK	15	% WT.	1.194		0	0
				VOC	73	% WT.	5.8108		0	0
				SOLIDS	27	% WT.	2.1492		0	0
CORSI SS PRE	T69XXN12930-1286	7.08	S	TOLUENE	9	% WT.	0.6372	30	19.116	0.009558
				FORMALDEHYDE	0.1	% WT.	0.00708		0.2124	0.0001062
				VOC	86	% WT.	6.0888		182.664	0.091332
				SOLIDS	14	% WT.	0.9912		29.736	0.014868
SEA REFLECTIONS	H66PXL11722-1497	8.64	S	ETHYLBENZENE	0.2	% WT.	0.01728	0	0	0
				XYLENE	1	% WT.	0.0864		0	0
				FORMALDEHYDE	0.1	% WT.	0.00864		0	0
				VOC	49	% WT.	4.2336		0	0
				SOLIDS	51	% WT.	4.4064		0	0
CORSI SS STAIN	S64XXN12813-1286	8.55	W	VOC	56	% WT.	4.788	9	43.092	0.021546
				SOLIDS	44	% WT.	3.762		33.858	0.016929
CORSI AMBER PRE	T69XXN12929-1286	7.09	S	TOLUENE	9	% WT.	0.6381	0	0	0
				FORMALDEHYDE	0.1	% WT.	0.00709		0	0
				VOC	86	% WT.	6.0974		0	0
				SOLIDS	14	% WT.	0.9926		0	0
CORSI AMBER STAIN	S64XXN12436-1286	8.78	W	ETHYLBENZENE	0.1	% WT.	0.00878	6	0.05268	0.00002634
				VOC	53	% WT.	4.6534		27.9204	0.0139602
				SOLIDS	47	% WT.	4.1266		24.7596	0.0123798
NEW MAPLE GINGER PRE	P63BXN12875-1286	7.09	S	TOLUENE	9	% WT.	0.6381	0	0	0
				FORMALDEHYDE	0.1	% WT.	0.00709		0	0
				VOC	86	% WT.	6.0974		0	0
				SOLIDS	14	% WT.	0.9926		0	0
NEW MAPLE GINGER STAIN	S64XXN12931-1286	8.97	W	ETHYLBENZENE	0.1	% WT.	0.00897	0	0	0
				VOC	50	% WT.	4.485		0	0
				SOLIDS	50	% WT.	4.485		0	0
CORSI NEW SPICE TONER	T69XXN12812-1286	7.26	S	TOLUENE	1	% WT.	0.0726	30	2.178	0.001089
				ETHYLBENZENE	0.1	% WT.	0.00726		0.2178	0.0001089
				XYLENE	4	% WT.	0.2904		8.712	0.004356
				VOC	90	% WT.	6.534		196.02	0.09801
				SOLIDS	10	% WT.	0.726		21.78	0.01089
CORSI NEW SPICE STAIN	S64XXN12811-1286	8.68	W	VOC	55	% WT.	4.774	0	0	0
				SOLIDS	45	% WT.	3.906		0	0

Greenfield Cabinetry, LLC
Cabinet Manufacturing Facility

POTESTA & ASSOCIATES, INC.
Project Number 0101-15-0013

By: ADM
Date: 03/26/2015

Checked by: CCS
Date: 4/30/15

REFORMULATED COATING MATERIAL EMISSIONS- USING SHERWIN WILLIAMS MATERIALS
Codes: W=paint wiped on, S = paint sprayed

MATERIAL NAME	PRODUCT NUMBER	DENSITY		POLLUTANT	CONCENTRATION	UNIT	LBS/GAL	YEARLY USE (GAL)	EMISSION (LB YEAR)	EMISSION (TONS/YEAR)
CAMEO 15 SHEEN	H66PXH11746-1497	9.44	S	ETHYLBENZENE	0.3	% WT.	0.02832	0	0	0
				XYLENE	2	% WT.	0.1888		0	0
				FORMALDEHYDE	0.1	% WT.	0.00944		0	0
				VOC	45	% WT.	4.248		0	0
				SOLIDS	55	% WT.	5.192		0	0
COASTAL PRE NEW	P63B30N13312-1286	7.26	S	TOLUENE	1	% WT.	0.0726	0	0	0
				ETHYLBENZENE	0.1	% WT.	0.00726		0	0
				XYLENE	4	% WT.	0.2904		0	0
				VOC	90	% WT.	6.534		0	0
				SOLIDS	10	% WT.	0.726		0	0
COASTAL STAIN NEW	S64XXN13313-1286	7.22	W	VOC	82	% WT.	5.9204	0	0	0
				SOLIDS	18	% WT.	1.2996		0	0
BREAKWATER PRE NEW	P63B30N13311-1286	7.06	S	[illegible]	3	% WT.	0.2118	0	0	0
				VOC	94	% WT.	6.6364		0	0
				SOLIDS	6	% WT.	0.4236		0	0
BREAKWATER STAIN NEW	S64XXN13314-1286	6.93	W	VOC	87	% WT.	6.0291	0	0	0
				SOLIDS	13	% WT.	0.9009		0	0
EUCAL BRGL VAR	H66PXL11760-1497	9.69	S	ETHYLBENZENE	0.3	% WT.	0.02907	15	0.43605	0.000218025
				XYLENE	2	% WT.	0.1938		2.907	0.00145335
				FORMALDEHYDE	0.1	% WT.	0.00969		0.14535	0.000072675
				VOC	45	% WT.	4.3605		65.4075	0.03270375
				SOLIDS	55	% WT.	5.3295		79.9425	0.03997125
VERB BKGL VAR	H66PXL11763-1497	8.67	S	ETHYLBENZENE	0.2	% WT.	0.01734	12	0.20808	0.00010404
				XYLENE	1	% WT.	0.0867		1.0404	0.0005202
				FORMALDEHYDE	0.1	% WT.	0.00867		0.10404	0.00005202
				VOC	50	% WT.	4.335		52.02	0.02601
				SOLIDS	50	% WT.	4.335		52.02	0.02601
BLUE BLOOD	H66PXL11789-1497	8.22	S	ETHYLBENZENE	0.2	% WT.	0.01644	0	0	0
				XYLENE	1	% WT.	0.0822		0	0
				FORMALDEHYDE	0.1	% WT.	0.00822		0	0
				VOC	53	% WT.	4.3566		0	0
				SOLIDS	47	% WT.	3.8634		0	0
EXTRA WHITE 10 SH	H66PXW11688-1497	9.48	S	ETHYLBENZENE	0.3	% WT.	0.02844	0	0	0
				XYLENE	2	% WT.	0.1896		0	0
				FORMALDEHYDE	0.1	% WT.	0.00948		0	0
				VOC	44	% WT.	4.1712		0	0
				SOLIDS	56	% WT.	5.3088		0	0
BLUE BLOOD 50 SHEEN	H66PXL11779-1497	8.02	S	ETHYLBENZENE	0.1	% WT.	0.00802	0	0	0
				FORMALDEHYDE	0.1	% WT.	0.00802		0	0
				VOC	55	% WT.	4.411		0	0
				SOLIDS	45	% WT.	3.609		0	0
1603 GRAPHITE	H66PXA11864-1497	8.37	S	ETHYLBENZENE	0.3	% WT.	0.02511	0	0	0
				XYLENE	2	% WT.	0.1674		0	0
				FORMALDEHYDE	0.1	% WT.	0.00837		0	0
				VOC	51	% WT.	4.2687		0	0
				SOLIDS	49	% WT.	4.1013		0	0
NAVAJO WHITE FAR	H66PXH11227-1497	9.64	S	ETHYLBENZENE	0.3	% WT.	0.02892	0	0	0
				XYLENE	2	% WT.	0.1928		0	0
				FORMALDEHYDE	0.1	% WT.	0.00964		0	0
				VOC	45	% WT.	4.338		0	0
				SOLIDS	55	% WT.	5.302		0	0
7008 ALABASTER	H66PXH11870-1497	8.96	S	ETHYLBENZENE	2	% WT.	0.1792	0	0	0
				XYLENE	1	% WT.	0.0896		0	0
				FORMALDEHYDE	0.1	% WT.	0.00896		0	0
				VOC	48	% WT.	4.3008		0	0
				SOLIDS	52	% WT.	4.6592		0	0
SNOWBOUND 30 SH	H66PXW11865-1497	8.96	S	ETHYLBENZENE	2	% WT.	0.1792	0	0	0
				XYLENE	1	% WT.	0.0896		0	0
				FORMALDEHYDE	0.1	% WT.	0.00896		0	0
				VOC	49	% WT.	4.3904		0	0
				SOLIDS	51	% WT.	4.5696		0	0
HEARTS OF PALM	H66PXG11903-1497	9.06	S	ETHYLBENZENE	2	% WT.	0.1812	0	0	0
				XYLENE	1	% WT.	0.0906		0	0
				FORMALDEHYDE	0.1	% WT.	0.00906		0	0
				VOC	46	% WT.	4.1676		0	0
				SOLIDS	54	% WT.	4.8924		0	0
REQUISITE GRAY	H66PXA11894-1497	9.13	S	ETHYLBENZENE	2	% WT.	0.1826	0	0	0
				XYLENE	1	% WT.	0.0913		0	0
				FORMALDEHYDE	0.1	% WT.	0.00913		0	0
				VOC	44	% WT.	4.0172		0	0
				SOLIDS	56	% WT.	5.1128		0	0
BERMUDA BLUE	H66PXA11892-1497	8.45	S	ETHYLBENZENE	2	% WT.	0.169	0	0	0
				XYLENE	1	% WT.	0.0845		0	0
				FORMALDEHYDE	0.1	% WT.	0.00845		0	0
				VOC	50	% WT.	4.225		0	0
				SOLIDS	50	% WT.	4.225		0	0
AQUARIUS	S64XXL11908-1497	7.73	S	VOC	73	% WT.	5.6429	0	0	0
				SOLIDS	27	% WT.	2.0871		0	0
CAPRI	H66PXL11906-1497	8.74	S	ETHYLBENZENE	0.2	% WT.	0.01748	0	0	0
				XYLENE	1	% WT.	0.0874		0	0
				FORMALDEHYDE	0.1	% WT.	0.00874		0	0
				VOC	49	% WT.	4.2826		0	0
				SOLIDS	51	% WT.	4.4574		0	0
FOUNTAIN	H66PXL11905-1497	8.91	S	ETHYLBENZENE	0.2	% WT.	0.01782	0	0	0
				XYLENE	1	% WT.	0.0891		0	0
				FORMALDEHYDE	0.1	% WT.	0.00891		0	0
				VOC	48	% WT.	4.2768		0	0
				SOLIDS	52	% WT.	4.6332		0	0
SEA SALT	H66PX011904-1497	8.95	S	ETHYLBENZENE	0.2	% WT.	0.0179	15	0.2685	0.00013425
				XYLENE	1	% WT.	0.0895		1.3425	0.000671125
				FORMALDEHYDE	0.1	% WT.	0.00895		0.13425	0.000067125
				VOC	47	% WT.	4.2065		63.0975	0.031548875
				SOLIDS	53	% WT.	4.7435		71.1525	0.035575625
GRAY OAK	H66PXA11922-1497	8.8	S	ETHYLBENZENE	0.2	% WT.	0.0176	0	0	0
				XYLENE	1	% WT.	0.088		0	0
				FORMALDEHYDE	0.1	% WT.	0.0088		0	0
				VOC	49	% WT.	4.312		0	0
				SOLIDS	51	% WT.	4.488		0	0
GRAY OAK GLAZE	S66XXN11923-1497	8.04	W	ETHYLBENZENE	0.1	% WT.	0.00804	0	0	0
				COBALT 2 ETHYLHEXANOATE	0.1	% WT.	0.00804		0	0
				VOC	53	% WT.	4.2612		0	0
				SOLIDS	47	% WT.	3.7788		0	0
STARRY NIGHT	H66PXL11929-1497	8.16	S	ETHYLBENZENE	0.2	% WT.	0.01632	0	0	0
				XYLENE	1	% WT.	0.0816		0	0
				FORMALDEHYDE	0.1	% WT.	0.00816		0	0
				VOC	53	% WT.	4.3248		0	0
				SOLIDS	47	% WT.	3.8352		0	0
COMMODORE	H66PXL11928-1497	8.17	S	ETHYLBENZENE	0.2	% WT.	0.01634	0	0	0
				XYLENE	1	% WT.	0.0817		0	0
				FORMALDEHYDE	0.1	% WT.	0.00817		0	0
				VOC	53	% WT.	4.3301		0	0
				SOLIDS	47	% WT.	3.8399		0	0
GLAD YELLOW	H66PXY11950-1497	8.89	S	ETHYLBENZENE	0.2	% WT.	0.01778	0	0	0
				XYLENE	1	% WT.	0.0889		0	0
				FORMALDEHYDE	0.1	% WT.	0.00889		0	0
				VOC	48	% WT.	4.2672		0	0
				SOLIDS	52	% WT.	4.6228		0	0
BUTTER UP NEW	H66PXY11949-1497	8.69	S	ETHYLBENZENE	0.2	% WT.	0.01738	0	0	0
				XYLENE	1	% WT.	0.0869		0	0
				FORMALDEHYDE	0.1	% WT.	0.00869		0	0
				VOC	48	% WT.	4.1712		0	0
				SOLIDS	52	% WT.	4.5188		0	0
DYNAMO	H66PXR11952-1497	8.3	S	ETHYLBENZENE	0.2	% WT.	0.0166	0	0	0
				XYLENE	1	% WT.	0.083		0	0
				FORMALDEHYDE	0.1	% WT.	0.0083		0	0
				VOC	51	% WT.	4.233		0	0
				SOLIDS	49	% WT.	4.067		0	0
CREATIVE GREEN	H66PXG11958-1497	8.89	S	ETHYLBENZENE	0.2	% WT.	0.01778	0	0	0
				XYLENE	1	% WT.	0.0889		0	0
				FORMALDEHYDE	0.1	% WT.	0.00889		0	0
				VOC	48	% WT.	4.2672		0	0
				SOLIDS	52	% WT.	4.6228		0	0
BLUE MATCH	H66PXL11959	8.34	S	ETHYLBENZENE	0.3	% WT.	0.02502	0	0	0

Greenfield Cabinetry, LLC
Cabinet Manufacturing Facility

POTESTA & ASSOCIATES, INC.
Project Number 0101-15-0013

By: ADM
Date: 03/26/2015

Checked by: CCS
Date: 4/30/15

REFORMULATED COATING MATERIAL EMISSIONS- USING SHERWIN WILLIAMS MATERIALS
Codes: W=paint wiped on, S = paint sprayed

MATERIAL NAME	PRODUCT NUMBER	DENSITY		POLLUTANT	CONCENTRATION	UNIT	LBS/GAL	YEARLY USE (GAL)	EMISSION (LB/YEAR)	EMISSION (TONS/YEAR)
				TOLUENE	2	% WT.	0.1668		0	0
				FORMALDEHYDE	0.1	% WT.	0.00834		0	0
				VOC	52	% WT.	4.3368		0	0
				SOLIDS	48	% WT.	4.0032		0	0
GARDENIA 50	H66PXW11971	9	S	ETHYLBENZENE	0.2	% WT.	0.018	0	0	0
				XYLENE	1	% WT.	0.09		0	0
				FORMALDEHYDE	0.1	% WT.	0.009		0	0
				VOC	48	% WT.	4.32		0	0
				SOLIDS	52	% WT.	4.68		0	0
BLACK 50	H66PXB11970	8.05	S	ETHYLBENZENE	0.2	% WT.	0.0161	0	0	0
				FORMALDEHYDE	0.1	% WT.	0.00805		0	0
				VOC	54	% WT.	4.347		0	0
				SOLIDS	46	% WT.	3.703		0	0
GLACIER 50	H66PXW11155	9.44	S	ETHYLBENZENE	0.3	% WT.	0.02832	63	1.78416	0.00089208
				XYLENE	1	% WT.	0.0944		5.9472	0.0029736
				FORMALDEHYDE	0.1	% WT.	0.00944		0.59472	0.00029736
				VOC	45	% WT.	4.248		267.624	0.133812
				SOLIDS	55	% WT.	5.192		327.096	0.163548
GAUNLET GRAY	P63BXA11997	8.58	S	TOLUENE	6	% WT.	0.5148	30	15.444	0.007722
				ETHYLBENZENE	1	% WT.	0.0858		2.574	0.001287
				XYLENE	6	% WT.	0.5148		15.444	0.007722
				MEK	7	% WT.	0.6006		18.018	0.009009
				MIBK	3	% WT.	0.2574		7.722	0.003861
				VOC	66	% WT.	5.6628		169.884	0.084942
				SOLIDS	34	% WT.	2.9172		87.516	0.043758
CITY SCAPE	P63BXA11998	8.81	S	TOLUENE	6	% WT.	0.5286	30	15.858	0.007929
				ETHYLBENZENE	1	% WT.	0.0881		2.643	0.0013215
				XYLENE	7	% WT.	0.6167		18.501	0.0092505
				MEK	7	% WT.	0.6167		18.501	0.0092505
				MIBK	3	% WT.	0.2643		7.929	0.0039645
				VOC	64	% WT.	5.6384		169.152	0.084576
				SOLIDS	36	% WT.	3.1716		95.148	0.047574
BALMY 10 SHEEN	H66PXL12079-1497	9.46	S	ETHYLBENZENE	0.3	% WT.	0.02838	3	0.08514	0.00004257
				XYLENE	2	% WT.	0.1892		0.5676	0.0002838
				FORMALDEHYDE	0.1	% WT.	0.00946		0.02838	0.00001419
				VOC	45	% WT.	4.257		12.771	0.0063855
				SOLIDS	55	% WT.	5.203		15.609	0.0078045
COASTAL PLAIN	H66PXG12056-1497	8.79	S	ETHYLBENZENE	0.2	% WT.	0.01758	0	0	0
				XYLENE	1	% WT.	0.0879		0	0
				FORMALDEHYDE	0.1	% WT.	0.00879		0	0
				VOC	49	% WT.	4.3071		0	0
				SOLIDS	51	% WT.	4.4829		0	0
MEDITATIVE	H66PXL12059-1497	8.78	S	ETHYLBENZENE	0.2	% WT.	0.01756	0	0	0
				XYLENE	1	% WT.	0.0878		0	0
				FORMALDEHYDE	0.1	% WT.	0.00878		0	0
				VOC	49	% WT.	4.3022		0	0
				SOLIDS	51	% WT.	4.4778		0	0
PASSIVE 30	H66PXA12057-1497	8.93	S	ETHYLBENZENE	0.2	% WT.	0.01786	0	0	0
				XYLENE	1	% WT.	0.0893		0	0
				FORMALDEHYDE	0.1	% WT.	0.00893		0	0
				VOC	47	% WT.	4.1971		0	0
				SOLIDS	53	% WT.	4.7329		0	0
DISTANCE	H66PXL13819-1286	8.88	S	ETHYLBENZENE	0.3	% WT.	0.02664	0	0	0
				XYLENE	2	% WT.	0.1776		0	0
				FORMALDEHYDE	0.1	% WT.	0.00888		0	0
				VOC	47	% WT.	4.1736		0	0
				SOLIDS	53	% WT.	4.7064		0	0
PERRY 10	H66PXB13524-1286	8.5	S	ETHYLBENZENE	0.3	% WT.	0.0255	0	0	0
				XYLENE	2	% WT.	0.17		0	0
				FORMALDEHYDE	0.1	% WT.	0.0085		0	0
				VOC	51	% WT.	4.335		0	0
				SOLIDS	49	% WT.	4.165		0	0
GOLDFINCH	P63BXY12100	7.94	S	TOLUENE	3	% WT.	0.2382	0	0	0
				ETHYLBENZENE	0.7	% WT.	0.05558		0	0
				XYLENE	4	% WT.	0.3176		0	0
				MEK	8	% WT.	0.6352		0	0
				MIBK	2	% WT.	0.1588		0	0
				VOC	74	% WT.	5.8756		0	0
				SOLIDS	26	% WT.	2.0644		0	0
PEWTER GREEN	H66PXG13929-1286	8.67	S	ETHYLBENZENE	0.3	% WT.	0.02601	0	0	0
				XYLENE	2	% WT.	0.1734		0	0
				FORMALDEHYDE	0.1	% WT.	0.00867		0	0
				VOC	49	% WT.	4.2483		0	0
				SOLIDS	51	% WT.	4.4217		0	0
BLACK FOX	P63BXA12127-1497	8.02	S	TOLUENE	7	% WT.	0.5614	0	0	0
				ETHYLBENZENE	0.5	% WT.	0.0401		0	0
				XYLENE	3	% WT.	0.2406		0	0
				MEK	5	% WT.	0.401		0	0
				MIBK	1	% WT.	0.0802		0	0
				VOC	74	% WT.	5.9348		0	0
				SOLIDS	26	% WT.	2.0852		0	0
NEBULOUS WHITE	H66PXW14048-1286	9.51	S	ETHYLBENZENE	0.3	% WT.	0.02853	0	0	0
				XYLENE	2	% WT.	0.1902		0	0
				FORMALDEHYDE	0.1	% WT.	0.00951		0	0
				VOC	44	% WT.	4.1844		0	0
				SOLIDS	56	% WT.	5.3256		0	0
REPOSE GRAY 30	H66PXA12108-1497	8.85	S	ETHYLBENZENE	0.2	% WT.	0.0177	0	0	0
				XYLENE	1	% WT.	0.0885		0	0
				FORMALDEHYDE	0.1	% WT.	0.00885		0	0
				VOC	48	% WT.	4.248		0	0
				SOLIDS	52	% WT.	4.602		0	0

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MATERIAL NAME	PRODUCT NUMBER	DENSITY		POLLUTANT	CONCENTRATION	UNIT	LBS/GAL	YEARLY USE (GAL)	EMISSION (LB/YEAR)	EMISSION (TONS/YEAR)
VAR SURF WHITE	E63W50	10.79	S	ETHYLBENZENE	0.4	% WT.	0.04316	5040	217.5264	0.10876632
				XYLENE	2	% WT.	0.2158		1087.632	0.543816
				METHANOL	3	% WT.	0.3237		1631.448	0.815724
				FORMALDEHYDE	0.1	% WT.	0.01079		54.3816	0.0271908
				VOC	34	% WT.	3.6686		18,489.74	9.244872
				SOLIDS	66	% WT.	7.1214		35,891.86	17.945928
NANTUCKET GRAY	H66PXA12130-1497	8.86	S	ETHYLBENZENE	0.2	% WT.	0.01772	0	0	0
				XYLENE	1	% WT.	0.0886		0	0
				FORMALDEHYDE	0.1	% WT.	0.00886		0	0
				VOC	48	% WT.	4.2528		0	0
				SOLIDS	52	% WT.	4.6072		0	0
SURFSIDE 15 SHEEN	H66PXW12172-1497	9.45	S	ETHYLBENZENE	0.3	% WT.	0.02835	0	0	0
				XYLENE	2	% WT.	0.189		0	0
				FORMALDEHYDE	0.1	% WT.	0.00945		0	0
				VOC	45	% WT.	4.2525		0	0
				SOLIDS	55	% WT.	5.1975		0	0
OATMEAL	H66PXN12896-1286	9.57	S	ETHYLBENZENE	0.3	% WT.	0.02871	3	0.08613	0.000043065
				XYLENE	2	% WT.	0.1914		0.5742	0.0002871
				FORMALDEHYDE	0.1	% WT.	0.00957		0.02871	0.000014355
				VOC	42	% WT.	4.0194		12.0582	0.0060291
				SOLIDS	58	% WT.	5.5506		16.6518	0.0082259
HARBOR WHITE 10	H66PXW12206-1497	9.49	S	ETHYLBENZENE	0.3	% WT.	0.02847	6	0.17082	0.00008541
				XYLENE	2	% WT.	0.1898		1.1388	0.0005694
				FORMALDEHYDE	0.1	% WT.	0.00949		0.05694	0.00002847
				VOC	44	% WT.	4.1756		25.0536	0.0125268
				SOLIDS	56	% WT.	5.3144		31.8864	0.0159432
RESPITE	H66PXL12191-1497	8.86	S	ETHYLBENZENE	0.3	% WT.	0.02658	3	0.07974	0.00003987
				XYLENE	1	% WT.	0.0886		0.2658	0.0001329
				FORMALDEHYDE	0.1	% WT.	0.00886		0.02658	0.0000132 9
				VOC	48	% WT.	4.2528		12.7584	0.0063792
				SOLIDS	52	% WT.	4.6072		13.8216	0.0069108
CORSI STAIN GS1616	P63BXR12240-1497	7.08	S	TOLUENE	2	% WT.	0.1416	6	0.8496	0.0004248
				ETHYLBENZENE	0.1	% WT.	0.00708		0.04248	0.00002124
				XYLENE	4	% WT.	0.2832		1.6992	0.0008496
				VOC	89	% WT.	6.3012		37.8072	0.0189036
				SOLIDS	11	% WT.	0.7788		4.6728	0.0023364
CORSI PRESTAIN GS1616	S64XXR12241-1497	7.36	S	ETHYLBENZENE	0.2	% WT.	0.01472	3	0.04416	0.00002208
				XYLENE	1	% WT.	0.0736		0.2208	0.0001104
				COBALT 2 ETHYLHEXANOATE	0.2	% WT.	0.01472		0.04416	0.00002208
				VOC	56	% WT.	4.1216		12.3648	0.0061824
				SOLIDS	44	% WT.	3.2384		9.7152	0.0048576
SURFSIDE 50 SHEEN	H66PXW12246-1497	8.99	S	ETHYLBENZENE	0.2	% WT.	0.01798	3	0.05394	0.00002697
				XYLENE	1	% WT.	0.0899		0.2697	0.0001348 5
				FORMALDEHYDE	0.1	% WT.	0.00899		0.02697	0.0000134 85
				VOC	48	% WT.	4.3152		12.9456	0.0064728
				SOLIDS	52	% WT.	4.6748		14.0244	0.0070122
THRESHOLD GRAY 5	H66PXN14762-1286	9.77	S	ETHYLBENZENE	0.3	% WT.	0.02931	12	0.35172	0.00017586
				XYLENE	2	% WT.	0.1954		2.3448	0.0011724
				FORMALDEHYDE	0.1	% WT.	0.00977		0.11724	0.00005862
				VOC	44	% WT.	4.2988		51.5856	0.0257928
				SOLIDS	56	% WT.	5.4712		65.6544	0.0328272
LAZY GRAY 30	H66PXA14763-1286	9.57	S	ETHYLBENZENE	0.3	% WT.	0.02871	6	0.17226	0.00008613
				XYLENE	2	% WT.	0.1914		1.1484	0.0005742
				FORMALDEHYDE	0.1	% WT.	0.00957		0.05742	0.00002871
				VOC	43	% WT.	4.1151		24.6906	0.0123453
				SOLIDS	57	% WT.	5.4549		32.7294	0.0163647
FRIENDLY YELLOW	H66PXY12316-1497	9.83	S	ETHYLBENZENE	0.3	% WT.	0.02955	30	0.8865	0.00044325
				XYLENE	2	% WT.	0.197		5.91	0.002955
				FORMALDEHYDE	0.1	% WT.	0.00983		0.2955	0.00014775
				VOC	43	% WT.	4.2355		127.065	0.0635325
				SOLIDS	57	% WT.	5.6145		168.435	0.0842175
OLD GLORY	H66PXL14825-1286	9.15	S	ETHYLBENZENE	0.3	% WT.	0.02745	12	0.3294	0.0001647
				XYLENE	2	% WT.	0.183		2.196	0.001098
				FORMALDEHYDE	0.1	% WT.	0.00915		0.1098	0.0000549
				VOC	41	% WT.	3.7515		45.018	0.022509
				SOLIDS	59	% WT.	5.3985		64.782	0.032391
DARK KNIGHT	H66PXL14824-1286	9.56	S	ETHYLBENZENE	0.2	% WT.	0.01912	36	0.68832	0.00034416
				XYLENE	1	% WT.	0.0956		3.4416	0.0017208
				FORMALDEHYDE	0.1	% WT.	0.00956		0.34416	0.00017208
				VOC	42	% WT.	4.0152		144.5472	0.0722736
				SOLIDS	58	% WT.	5.5448		199.6128	0.0998064
SIMPLY WHITE	H66PXW13837-1286	9.53	S	ETHYLBENZENE	0.2	% WT.	0.01906	63	1.20078	0.00060039
				XYLENE	1	% WT.	0.0953		6.0039	0.00300195
				FORMALDEHYDE	0.1	% WT.	0.00953		0.60039	0.000300195
				VOC	44	% WT.	4.1932		264.1716	0.1320858
				SOLIDS	56	% WT.	5.3368		336.2184	0.1681092
AGREEABLE GRAY	H66PXG14836-1286	10.08	S	ETHYLBENZENE	0.3	% WT.	0.03024	6	0.18144	0.00009072
				XYLENE	1	% WT.	0.1008		0.6048	0.0003024
				FORMALDEHYDE	0.1	% WT.	0.01008		0.06048	0.00003024
				VOC	36	% WT.	3.6288		21.7728	0.0108864
				SOLIDS	64	% WT.	6.4512		38.7072	0.0193536
SCANDA	H66PXN14842-1286	9.14	S	ETHYLBENZENE	0.3	% WT.	0.02742	60	1.6452	0.0008226
				XYLENE	2	% WT.	0.1828		10.968	0.005484
				FORMALDEHYDE	0.1	% WT.	0.00914		0.5484	0.0002742
				VOC	42	% WT.	3.8388		230.328	0.115164
				SOLIDS	58	% WT.	5.3012		318.072	0.159036
DARK CHERRY	T69XXN14795-1286	6.98	S	VOC	97	% WT.	6.7706	6	40.6236	0.0203118
				SOLIDS	3	% WT.	0.2094		1.2564	0.0006282
SADDLE PRE STAIN	T69XXN14496-1286	6.98	S	STAIN	2	% WT.	0.1396	36	5.0256	0.0025128
				VOC	96	% WT.	6.7008		241.2288	0.1206144
				SOLIDS	4	% WT.	0.2792		10.0512	0.0050256
SADDLE	S64XXN14497-1286	7.26	W	ETHYLBENZENE	0.2	% WT.	0.01452	12	0.17424	0.00008712
				XYLENE	1	% WT.	0.0726		0.8712	0.0004356
				VOC	73	% WT.	5.2998		63.5976	0.0317988
				SOLIDS	27	% WT.	1.9602		23.5224	0.0117612
ENGLISH	S64XXH4240-1407	7.12	W	ETHYLBENZENE	0.1	% WT.	0.00712	6	0.04272	0.00002136
				VOC	77	% WT.	5.4824		32.8944	0.0164472
				SOLIDS	23	% WT.	1.6376		9.8256	0.0049128
MEGA GREIGE	H66PXG14935-1286	9.24	S	ETHYLBENZENE	0.3	% WT.	0.02772	15	0.4158	0.0002079
				XYLENE	2	% WT.	0.1848		2.772	0.001386
				FORMALDEHYDE	0.1	% WT.	0.00924		0.1386	0.0000693
				VOC	43	% WT.	3.9732		59.598	0.029799
				SOLIDS	57	% WT.	5.2668		79.002	0.039501
ACCESSIBLE BEIGE	H66PXN14936-1286	9.73	S	ETHYLBENZENE	0.2	% WT.	0.01946	30	0.5838	0.0002919
				XYLENE	1	% WT.	0.0973		2.919	0.0014595
				FORMALDEHYDE	0.1	% WT.	0.00973		0.2919	0.00014595
				VOC	41	% WT.	3.9893		119.679	0.0598395
				SOLIDS	59	% WT.	5.7407		172.221	0.0861105
GARDENIA 30	H66PXW12358-1497	9.49	S	ETHYLBENZENE	0.2	% WT.	0.01898	270	5.1246	0.0025623
				XYLENE	1	% WT.	0.0949		25.623	0.0128115
				FORMALDEHYDE	0.1	% WT.	0.00949		2.5623	0.00128115
				VOC	45	% WT.	4.2705		1,153.04	0.5765175
				SOLIDS	55	% WT.	5.2195		1,409.27	0.7046325
SURFSIDE 30 NO RED	H66PXW12352-1497	9.88	S	ETHYLBENZENE	0.3	% WT.	0.02964	15	0.4446	0.0002223
				XYLENE	2	% WT.	0.1976		2.964	0.001482
				FORMALDEHYDE	0.1	% WT.	0.00988		0.1482	0.0000741
				VOC	30	% WT.	2.964		44.46	0.02223
				SOLIDS	70	% WT.	6.916		103.74	0.05187
OFF COLOR SURFSIDE	H66PXW12333-1497	8.82	S	ETHYLBENZENE	0.2	% WT.	0.01764	15	0.2646	0.0001323
				XYLENE	1	% WT.	0.0882		1.323	0.0006615
				FORMALDEHYDE	0.1	% WT.	0.00882		0.1323	0.00006615
				VOC	49	% WT.	4.3218		64.827	0.0324135
				SOLIDS	51	% WT.	4.4982		67.473	0.0337365

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REFORMULATED COATING MATERIAL EMISSIONS- USING SHERWIN WILLIAMS MATERIALS

Codes: W=paint wiped on; S = paint sprayed

MATERIAL NAME	PRODUCT NUMBER	DENSITY		POLLUTANT	CONCENTRATION	UNIT	LBS/GAL	YEARLY USE (GAL)	EMISSION (LB/YEAR)	EMISSION (TONS/YEAR)
SILKTASSLE BRN GL	H66PXH11300-1497	9.05	S	ETHYLBENZENE	0.3	% WT.	0.02715	0	0	0
				XYLENE	2	% WT.	0.181		0	0
				FORMALDEHYDE	0.1	% WT.	0.00905		0	0
				VOC	47	% WT.	4.2535		0	0
				SOLIDS	53	% WT.	4.7965		0	0
WHITE WHISP	H66PXW14898-1286	9.49	S	ETHYLBENZENE	0.2	% WT.	0.01898	3	0.05694	0.00002847
				XYLENE	1	% WT.	0.0949		0.2847	0.00014235
				FORMALDEHYDE	0.1	% WT.	0.00949		0.02847	0.000014235
				VOC	46	% WT.	4.3654		13.0962	0.0065481
				SOLIDS	54	% WT.	5.1346		15.3738	0.0076869
STONEY GRAY	H66PXG14897-1286	9.52	S	ETHYLBENZENE	0.2	% WT.	0.01904	3	0.05712	0.00002856
				XYLENE	1	% WT.	0.0952		0.2856	0.0001428
				FORMALDEHYDE	0.1	% WT.	0.00952		0.02856	0.0000142 8
				VOC	44	% WT.	4.1888		12.5664	0.0062832
				SOLIDS	56	% WT.	5.3312		15.9936	0.0079968
REPOSE GRAY 50 SH	H66PXA12331-1497	9	S	ETHYLBENZENE	0.2	% WT.	0.018	3	0.054	0.000027
				XYLENE	4	% WT.	0.36		1.08	0.00054
				FORMALDEHYDE	0.1	% WT.	0.009		0.027	0.0000135
				VOC	48	% WT.	4.32		12.96	0.00648
				SOLIDS	52	% WT.	4.68		14.04	0.00702
PRE STAIN ENGLISH	P63BXN14877-1286	7.13	S	TOLUENE	1	% WT.	0.0713	390	27.807	0.0139035
				MEK	3	% WT.	0.2139		83.421	0.0417105
				VOC	93	% WT.	6.6309		2586.051	1.2930255
				SOLIDS	7	% WT.	0.4991		194.649	0.0973245
AESTHETIC WHITE	H66PXW12387-1497	9.57	S	ETHYLBENZENE	0.2	% WT.	0.01914	[illegible]	0.51678	0.00025839
				XYLENE	1	% WT.	0.0957		2.5839	0.001291 95
				FORMALDEHYDE	0.1	% WT.	0.00957		0.25839	0.000129195
				VOC	45	% WT.	4.3065		116.2755	0.05813775
				SOLIDS	55	% WT.	5.2635		142.1145	0.071057 25
NATURAL LINEN	H66PXN15030-1286	9.73	S	ETHYLBENZENE	0.3	% WT.	0.02919	15	0.43785	0.000218925
				XYLENE	2	% WT.	0.1946		2.919	0.0014595
				FORMALDEHYDE	0.1	% WT.	0.00973		0.14595	0.000072975
				VOC	40	% WT.	3.892		58.38	0.02919
				SOLIDS	60	% WT.	5.838		87.57	0.043785
GLACIER 30 SHEEN	H66PXW12369-1497	9.56	S	ETHYLBENZENE	0.2	% WT.	0.01912	1095	20.9364	0.0104682
				XYLENE	1	% WT.	0.0956		104.682	0.052341
				FORMALDEHYDE	0.1	% WT.	0.00956		10.4682	0.0052341
				VOC	45	% WT.	4.302		4710.69	2.355345
				SOLIDS	55	% WT.	5.258		5757.51	2.878755
HALCYON GREEN	H66PXG12383-1497	8.8	S	ETHYLBENZENE	0.2	% WT.	0.0176	3	0.0528	0.0000264
				XYLENE	1	% WT.	0.088		0.264	0.000132
				FORMALDEHYDE	0.1	% WT.	0.0088		0.0264	0.0000132
				VOC	49	% WT.	4.312		12.936	0.006468
				SOLIDS	51	% WT.	4.488		13.464	0.006732
NAVAJO WHITE	H66PXW15003-1286	9.84	S	ETHYLBENZENE	0.3	% WT.	0.02952	6	0.17712	0.00008856
				XYLENE	2	% WT.	0.1968		1.1808	0.0005904
				FORMALDEHYDE	0.1	% WT.	0.00984		0.05904	0.00002952
				VOC	38	% WT.	3.7392		22.4352	0.0112176
				SOLIDS	62	% WT.	6.1008		36.6048	0.0183024
SURFSIDE 30	H66PXW12363-1497	9.56	S	ETHYLBENZENE	0.2	% WT.	0.01912	390	7.4568	0.0037284
				XYLENE	1	% WT.	0.0956		37.284	0.018642
				FORMALDEHYDE	0.1	% WT.	0.00956		3.7284	0.0018642
				VOC	45	% WT.	4.302		1,677.78	0.83889
				SOLIDS	55	% WT.	5.258		2,050.62	1.02531
WEB GRAY	H66PXA12418-1497	8.42	S	ETHYLBENZENE	0.2	% WT.	0.01684	6	0.10104	0.00005052
				XYLENE	1	% WT.	0.0842		0.5052	0.0002526
				FORMALDEHYDE	0.1	% WT.	0.00842		0.05052	0.00002526
				VOC	52	% WT.	4.3784		26.2704	0.0131352
				SOLIDS	48	% WT.	4.0416		24.2496	0.0121248
ACCESSIBLE BEIGE	H66PXH12431-1497	9.59	S	ETHYLBENZENE	0.2	% WT.	0.01918	3	0.05754	0.00002877
				XYLENE	1	% WT.	0.0959		0.2877	0.00014385
				FORMALDEHYDE	0.1	% WT.	0.00959		0.02877	0.000014385
				VOC	45	% WT.	4.3155		12.9465	0.00647325
				SOLIDS	55	% WT.	5.2745		15.8235	0.007911 75
CAMEO 50	H66PXH10722-1286	9.68	S	ETHYLBENZENE	0.3	% WT.	0.02904	3	0.08712	0.00004356
				XYLENE	2	% WT.	0.1936		0.5808	0.0002904
				FORMALDEHYDE	0.1	% WT.	0.00968		0.02904	0.00001452
				VOC	45	% WT.	4.356		13.068	0.006534
				SOLIDS	55	% WT.	5.324		15.972	0.007986
GRAY MATTERS 50	H66PXA13487-1286	9.71	S	ETHYLBENZENE	0.3	% WT.	0.02913	6	0.17478	0.00008739
				XYLENE	2	% WT.	0.1942		1.1652	0.0005826
				FORMALDEHYDE	0.1	% WT.	0.00971		0.05826	0.00002913
				VOC	43	% WT.	4.3695		26.217	0.0131085
				SOLIDS	55	% WT.	5.3405		32.043	0.0160215
CHERRY ON CHERRY PRE	P63BXN12428-1497	6.99	S	TOLUENE	1	% WT.	0.0699	9	0.6291	0.00031455
				MEK	2	% WT.	0.1398		1.2582	0.0006291
				VOC	96	% WT.	6.7104		60.3936	0.0301968
				SOLIDS	4	% WT.	0.2796		2.5164	0.0012582
CHERRY ON CHERRY	S64XXN12429-1497	8.05	W	ETHYLBENZENE	0.2	% WT.	0.0161	6	0.0966	0.0000483
				XYLENE	1	% WT.	0.0805		0.483	0.0002415
				VOC	64	% WT.	5.152		30.912	0.015456
				SOLIDS	36	% WT.	2.898		17.388	0.008694
KITCHEN VIEWS PRESTAIN	P63BXN12422-1497	6.95	S	MEK	2	% WT.	0.139	9	1.251	0.0006255
				VOC	96	% WT.	6.672		60.048	0.030024
				SOLIDS	4	% WT.	0.278		2.502	0.001251
KITCHEN VIEWS STAIN	S64XXN12423-1497	8	W	ETHYLBENZENE	0.2	% WT.	0.016	6	0.096	0.000048
				XYLENE	1	% WT.	0.08		0.48	0.00024
				VOC	62	% WT.	4.96		29.76	0.01488
				SOLIDS	38	% WT.	3.04		18.24	0.00912
STERLING	H66PXA12393-1497	9.57	S	ETHYLBENZENE	0.2	% WT.	0.01914	9	0.17236	0.00008613
				XYLENE	1	% WT.	0.0957		0.8613	0.00043065
				FORMALDEHYDE	0.1	% WT.	0.00957		0.08613	0.000043065
				VOC	45	% WT.	4.3065		38.7585	0.01937925
				SOLIDS	55	% WT.	5.2635		47.3715	0.02368575
PEPPERY 10	h66pxw12455-1497	8.48	S	ETHYLBENZENE	0.3	% WT.	0.02544	6	0.15264	0.00007632
				XYLENE	2	% WT.	0.1696		1.0176	0.0005088
				FORMALDEHYDE	0.1	% WT.	0.00848		0.05088	0.00002544
				VOC	51	% WT.	4.3248		25.9488	0.0129744
				SOLIDS	49	% WT.	4.1552		24.9312	0.0124656
GRAY MATTERS PAR	P63BXA12459-1497	8.89	S	ETHYLBENZENE	1	% WT.	0.0889	3	0.2667	0.00013335
				XYLENE	8	% WT.	0.7112		2.1336	0.0010668
				MEK	7	% WT.	0.6223		1.8669	0.00093345
				VOC	3	% WT.	0.2667		0.8001	0.00040005
				TOLUENE	6	% WT.	0.5334		1.6002	0.0008001
				VOC	63	% WT.	5.6007		16.8021	0.00840105
				SOLIDS	37	% WT.	3.2893		9.8679	0.00493395
COLONIAL CREAM	H66PXN12458-1497	9.09	S	ETHYLBENZENE	0.2	% WT.	0.01818	21	0.38178	0.00019089
				XYLENE	1	% WT.	0.0909		1.9089	0.00095445
				FORMALDEHYDE	0.1	% WT.	0.00909		0.19089	0.000095445
				VOC	47	% WT.	4.2723		89.7183	0.04485915
				SOLIDS	53	% WT.	4.8177		101.1717	0.05058585
GF13736	H66PXN15047-1286	9.93	S	ETHYLBENZENE	0.3	% WT.	0.02979	3	0.08937	0.000044685
				XYLENE	2	% WT.	0.1986		0.5958	0.0002979
				FORMALDEHYDE	0.1	% WT.	0.00993		0.02979	0.000014895
				VOC	37	% WT.	3.6741		11.0223	0.00551115
				SOLIDS	63	% WT.	6.2559		18.7677	0.00938385
KITVIEWS PRESTAIN	P63BXN12422-1497	6.95	S	MEK	2	% WT.	0.139	3	0.417	0.0002085
				VOC	96	% WT.	6.672		20.016	0.010008
				SOLIDS	4	% WT.	0.278		0.834	0.000417
KITVIEWS STAIN	S64XXN12423-1497	8	W	ETHYLBENZENE	0.2	% WT.	0.016	3	0.048	0.000024
				XYLENE	1	% WT.	0.08		0.24	0.00012
				VOC	62	% WT.	4.96		14.88	0.00744
				SOLIDS	38	% WT.	3.04		9.12	0.00456
GARDENIA 50	H66PXW12478-1497	9.69	S	ETHYLBENZENE	0.3	% WT.	0.02907	21	0.61047	0.000305235
				XYLENE	2	% WT.	0.1938		4.0698	0.0020349
				FORMALDEHYDE	0.1	% WT.	0.00969		0.20349	0.000101745
				VOC	45	% WT.	4.3605		91.5705	0.04578525
				SOLIDS	55	% WT.	5.3295		111.9195	0.05595975
SAYBROOK	H66PXO15373-1286	8.63	S	ETHYLBENZENE	0.3	% WT.	0.02589	21	0.54369	0.000271845
				XYLENE	2	% WT.	0.1726		3.6246	0.0018123
				FORMALDEHYDE	0.1	% WT.	0.00863		0.18123	0.000090615
				VOC	43	% WT.	3.7109		77.9289	0.03896445
				SOLIDS	57	% WT.	4.9191		103.3011	0.05165055

Greenfield Cabinetry, LLC
Cabinet Manufacturing Facility

POTESTA & ASSOCIATES, INC
Project Number 0101-15-0013

By: ADM
Date: 03/26/2015

Checked by: CCS
Date: 4/30/15

REFORMULATED COATING MATERIAL EMISSIONS- USING SHERWIN WILLIAMS MATERIALS
Codes W=paint wiped on, S = paint sprayed

MATERIAL NAME	PRODUCT NUMBER	DENSITY		POLLUTANT	CONCENTRATION	UNIT	LBS/GAL	YEARLY USE (GAL)	EMISSION (LB/YEAR)	EMISSION (TONS/YEAR)
PEWTER 30	H66PXA13838-1286	9.58	S	ETHYLBENZENE	0.3	% WT.	0.02874	3	0.08622	0.00004311
				XYLENE	2	% WT.	0.1916		0.5748	0.0002874
				FORMALDEHYDE	0.1	% WT.	0.00958		0.02874	0.00001437
				VOC	44	% WT.	4.2152		12.6456	0.0063228
				SOLIDS	56	% WT.	5.3848		16.0944	0.0080472
MCLELLAN GLACIER 30	H66PXW12530-1497	9.56	S	ETHYLBENZENE	0.2	% WT.	0.01912	3	0.05736	0.00002868
				XYLENE	1	% WT.	0.0956		0.2868	0.0001434
				FORMALDEHYDE	0.1	% WT.	0.00956		0.02868	0.00001434
				VOC	45	% WT.	4.302		12.906	0.006453
				SOLIDS	55	% WT.	5.258		15.774	0.007887
SEATLE MIST	H66PXG15400-1286	10.06	S	ETHYLBENZENE	0.3	% WT.	0.03018	9	0.27162	0.00013581
				XYLENE	2	% WT.	0.2012		1.8108	0.0009054
				FORMALDEHYDE	0.1	% WT.	0.01006		0.09054	0.00004527
				VOC	37	% WT.	3.7222		33.4998	0.0167499
				SOLIDS	63	% WT.	6.3378		57.0402	0.0285201
DRIFTWOOD TONER	T69XA15374-1286	7.31	S	ETHYLBENZENE	0.4	% WT.	0.02924	3	0.08772	0.00004386
				XYLENE	2	% WT.	0.1462		0.4386	0.0002193
				TOLUENE	1	% WT.	0.0731		0.2193	0.00010965
				FORMALDEHYDE	0.1	% WT.	0.00731		0.02193	0.000010965
				VOC	89	% WT.	6.5059		19.5177	0.00975885
				SOLIDS	11	% WT.	0.8041		2.4123	0.00120615
BLACK GLAZE	S66XXB15192-1286	7.99	W	ETHYLBENZENE	0.2	% WT.	0.01598	3	0.04794	0.00002397
				COBALT 2 ETHYLHEXANOATE	0.1	% WT.	0.00799		0.02397	0.000011985
				VOC	55	% WT.	4.3945		13.1835	0.00659175
				SOLIDS	45	% WT.	3.5955		10.7865	0.00539325
BLACK 10SHEEN	H66XXB9766-1286	8.12	S	ETHYLBENZENE	2	% WT.	0.1624	3	0.4872	0.0002436
				XYLENE	9	% WT.	0.7308		2.1924	0.0010962
				FORMALDEHYDE	0.1	% WT.	0.00812		0.02436	0.00001218
				VOC	52	% WT.	4.2224		12.6672	0.0063336
				SOLIDS	48	% WT.	3.8976		11.6928	0.0058464
AMERANTH 10	H66PXG13697-1286	9.3	S	ETHYLBENZENE	0.3	% WT.	0.0279	15	0.4185	0.00020925
				XYLENE	2	% WT.	0.186		2.79	0.001395
				FORMALDEHYDE	0.1	% WT.	0.0093		0.1395	0.00006975
				VOC	45	% WT.	4.185		62.775	0.0313875
				SOLIDS	55	% WT.	5.115		76.725	0.0383625
PEWTER 50	H66PXA12496-1497	9.69	S	ETHYLBENZENE	0.3	% WT.	0.02907	0	0	0
				XYLENE	2	% WT.	0.1938		0	0
				FORMALDEHYDE	0.1	% WT.	0.00969		0	0
				VOC	45	% WT.	4.3605		0	0
				SOLIDS	55	% WT.	5.3295		0	0
TONY TAUPE	P63BXN15435-1286	9.17	S	TOLUENE	7	% WT.	0.6419	0	0	0
				ETHYLBENZENE	2	% WT.	0.1834		0	0
				XYLENE	12	% WT.	1.1004		0	0
				MEK	1	% WT.	0.0917		0	0
				BIK	6	% WT.	0.5502		0	0
				VOC	60	% WT.	5.502		0	0
				SOLIDS	40	% WT.	3.668		0	0
NEW DUNE 30	H66PXN14008-1286	9.77	S	ETHYLBENZENE	0.3	% WT.	0.02931	0	0	0
				XYLENE	2	% WT.	0.1954		0	0
				FORMALDEHYDE	0.1	% WT.	0.00977		0	0
				VOC	41	% WT.	4.0057		0	0
				SOLIDS	59	% WT.	5.7643		0	0
NEW DUNE 10 SHEEN	H66PXH14034-1286	9.7	S	ETHYLBENZENE	0.3	% WT.	0.0291	0	0	0
				XYLENE	2	% WT.	0.194		0	0
				FORMALDEHYDE	0.1	% WT.	0.0097		0	0
				VOC	42	% WT.	4.074		0	0
				SOLIDS	58	% WT.	5.626		0	0
SAND 30	H66PXN13663-1286	9.93	S	ETHYLBENZENE	0.3	% WT.	0.02979	15	0.44685	0.000223425
				XYLENE	2	% WT.	0.1986		2.979	0.0014895
				FORMALDEHYDE	0.1	% WT.	0.00993		0.14895	0.000074475
				VOC	39	% WT.	3.8727		58.0905	0.02904525
				SOLIDS	61	% WT.	6.0573		90.8595	0.04542975
SILKTASSLE 30	H66PXN14081-1286	9.83	S	ETHYLBENZENE	0.3	% WT.	0.02949	0	0	0
				XYLENE	2	% WT.	0.1966		0	0
				FORMALDEHYDE	0.1	% WT.	0.00983		0	0
				VOC	39	% WT.	3.8337		0	0
				SOLIDS	61	% WT.	5.9963		0	0
REVERE PEWTER	H66PXA15498-1286	10.05	S	ETHYLBENZENE	0.3	% WT.	0.03015	0	0	0
				XYLENE	2	% WT.	0.201		0	0
				FORMALDEHYDE	0.1	% WT.	0.01005		0	0
				VOC	38	% WT.	3.819		0	0
				SOLIDS	62	% WT.	6.231		0	0
CAMEO 30 SPECIAL	H66PXH12575-1497	9.56	S	ETHYLBENZENE	0.3	% WT.	0.02868	0	0	0
				XYLENE	2	% WT.	0.1912		0	0
				FORMALDEHYDE	0.1	% WT.	0.00956		0	0
				VOC	45	% WT.	4.302		0	0
				SOLIDS	55	% WT.	5.258		0	0
BLACK GLAZE	S66XXB15192-1286	7.99	W	ETHYLBENZENE	0.2	% WT.	0.01598	0	0	0
				COBALT 2 ETHYLHEXANOATE	0.1	% WT.	0.00799		0	0
				VOC	55	% WT.	4.3945		0	0
				SOLIDS	45	% WT.	3.5955		0	0
PAVILLION GRAY	H66PXA15544-1286	9.66	S	ETHYLBENZENE	0.1	% WT.	0.00966	0	0	0
				FORMALDEHYDE	0.1	% WT.	0.00966		0	0
				VOC	47	% WT.	4.5402		0	0
				SOLIDS	53	% WT.	5.1198		0	0
JUNIPER 30	H66PXL13976-1286	9.75	S	ETHYLBENZENE	0.3	% WT.	0.02925	0	0	0
				XYLENE	2	% WT.	0.195		0	0
				FORMALDEHYDE	0.1	% WT.	0.00975		0	0
				VOC	41	% WT.	3.9975		0	0
				SOLIDS	59	% WT.	5.7525		0	0
CORSI 10 SH TC	V84XXC15006-1286	7.98	S	TOLUENE	6	% WT.	0.4788	0	0	0
				ETHYLBENZENE	3	% WT.	0.2394		0	0
				XYLENE	18	% WT.	1.4364		0	0
				FORMALDEHYDE	0.1	% WT.	0.00798		0	0
				VOC	58	% WT.	4.6284		0	0
				SOLIDS	42	% WT.	3.3516		0	0
REPOSE BLK GL	H66PXA12674-1497	8.98	W	ETHYLBENZENE	0.2	%WT.	0.01796	0	0	0
				XYLENE	1	%WT.	0.0898		0	0
				FORMALDEHYDE	0.1	%WT.	0.00898		0	0
				VOC	48	%WT.	4.3104		0	0
				SOLIDS	52	%WT.	4.6696		0	0
CLOUD WHITE 30	H66PXW12686-1497	9.56	S	ETHYLBENZENE	0.2	%WT.	0.01912	0	0	0
				XYLENE	1	%WT.	0.0956		0	0
				FORMALDEHYDE	0.1	%WT.	0.00956		0	0
				VOC	45	%WT.	4.302		0	0
				SOLIDS	55	%WT.	5.258		0	0
BARNWOOD STAIN	S643XN15046-1286	7.05	W	ETHYLBENZENE	0.1	%WT.	0.00705	0	0	0
				VOC	77	%WT.	5.4285		0	0
				SOLIDS	23	%WT.	1.6215		0	0
GRAY MIST 30	H66PXA12684-1497	8.9	S	ETHYLBENZENE	0.2	%WT.	0.0178	0	0	0
				XYLENE	1	%WT.	0.089		0	0
				FORMALDEHYDE	0.1	%WT.	0.0089		0	0
				VOC	49	%WT.	4.361		0	0
				SOLIDS	51	%WT.	4.539		0	0
VERBENA 30	H66PXG12689-1497	8.88	S	ETHYLBENZENE	0.2	%WT.	0.01776	0	0	0
				XYLENE	1	%WT.	0.0888		0	0
				FORMALDEHYDE	0.1	%WT.	0.00888		0	0
				VOC	49	%WT.	4.3512		0	0
				SOLIDS	51	%WT.	4.5288		0	0
VERBENA 10	H66PXG12690-1497	9.15	S	ETHYLBENZENE	0.3	%WT.	0.02745	0	0	0
				XYLENE	2	%WT.	0.183		0	0
				FORMALDEHYDE	0.1	%WT.	0.00915		0	0
				VOC	46	%WT.	4.209		0	0
				SOLIDS	54	%WT.	4.941		0	0

Greenfield Cabinetry, LLC
Cabinet Manufacturing Facility

POTESTA & ASSOCIATES, INC.
Project Number 0101-15-0013

By: ADM
Date: 03/26 2015

Checked by: CCS
Date: 4/30/15

REFORMULATED COATING MATERIAL EMISSIONS- USING SHERWIN WILLIAMS MATERIALS
Codes: W=paint wiped on; S = paint sprayed

MATERIAL NAME	PRODUCT NUMBER	DENSITY		POLLUTANT	CONCENTRATION	UNIT	LBS/GAL	YEARLY USE (GAL)	EMISSION (LB/YEAR)	EMISSION (TONS/YEAR)
Enter new paint components above this line	Enter new paint components above this line									

Total USAGE	35031
Wipe on paint (W)	7443
Spray Paint (S)	27588
Total (W +S paints)	35031

TOTALS

POLLUTANT	EMISSIONS LBS/YR	EMISSIONS TONS/YR	EMISSIONS Uncontrolled TONS/Month	EMISSIONS Controlled TONS/Month
METHANOL	2,010.64	1.005	0.126	0.126
XYLENE	6,138.14	3.069	0.384	0.384
TOLUENE	2,037.38	1.019	0.127	0.127
ETHYLBENZENE	981.04	0.491	0.061	0.061
MEK	1,208.31	0.604	0.076	0.076
FORMALDEHYDE	157.49	0.079	0.01	0.01
4-METHYL PENTAN	1,337.36	0.669	0.084	0.084
COBALT 2 ETHYLHEXANOATE	2.17	0.001	0.0001	0.0001
CHLORINE	0.02	0.00001	0.000001	0.000001
TOTAL HAPS	13,872.54	6.936	0.867	0.867
VOC	175,245.06	87.623	10.953	10.953
SOLIDS	123,229.65	61.615	2.118	0.371

Yearly Particulate Matter (PM/PM10/PM2.5) Emission based on Solids

Spray Atomized Transfer Efficiency [1]	72.5	%
Booth Exhaust Filter Control Efficiency [2]	82.5	%
Yearly Solids Sprayed	123229.65	Lbs/yr
Yearly Solids Sprayed	61.6148271 5	tons/yr

	Uncontrolled tons/year	Controlled tons/year
PM	16.94	2.96
PM10 [3]	16.94	2.96
PM2.5 [3]	16.94	2.96

Monthly emission = maximum annual rates/12 months *1.5 (Engineering Evaluation, Permit R13-2315, VOC Emission Estimate page 1 of 8

Months in a year	12
Production Factor	1.5
Number of pounds in a ton	2,000

Monthly Particulate Matter (PM/PM10/PM2.5) based onSolids

	Uncontrolled tons/month	Controlled tons/month
PM	2.12	0.37
PM10	2.12	0.37
PM2.5	2.12	0.37

1. Permit R13-2315E 4.1 4.a
2. Paint Arrestors 625 or equivalent
3. PM10 and PM2.5 are assumed equal to PM

Painting Operations - VOC, HAPS, and Particulate Matter Emission - for the 4th Booth (SB-04)

Minutes in one Hour	60	Constant
Fluid Ounces in one Gallon	128	Constant
	Fluid Ounces /Minute	
Spraygun G15 Rate (ounces/min)	12.00	Model G15 spraygun Charts (See Attachment M)
(gallons/hour)	5.63	Calculated

Painting Operations - Particulate Matter Emissions Booth SB-04

Coating Usage	5.63	gal/hr - MAX
Spray Atomized Transfer Efficiency (1)	72.5	%
Booth Exhaust Filter Control Efficiency (2)	99	%
Maximum Solids Per Gallon	8.03	lb/gallon

	Uncontrolled	Controlled
Criteria Pollutant	lbs/hr	lbs/hr
PM	12.42	0.12
PM10 (Assume PM10 equal to PM)	12.42	0.12
PM2.5 (Assume PM 2.5 equal to PM)	12.42	0.12

Volatile Organic Compounds (VOC) and Particulate Matter Emissions

	Spraygun G15 Rate	5.63	
Pollutants	Maximum lbs/gallon	Uncontrolled Emission (lbs/hour)(3)	Controlled Emission (lbs/hour)
VOC	7.91	44.49	44.49
SOLIDS (PM/PM10/PM2.5)	8.03	12.42	0.12
TOLUENE	0.9885	5.56	5.56
ETHYLBENZENE	0.3836	2.16	2.16
XYLENE	2.349	13.21	13.21
MIK	0.5719	3.22	3.22
GLYCOL ETHER	0.789	4.44	4.44
METHANOL	0.3243	1.82	1.82
COBALT 2 ETHYLHEXANOATE	0.07601	0.43	0.43
CHROMIUM III	0.001434	0.01	0.01
FORMALDEHYDE	0.01085	0.06	0.06
	Total HAPS	30.91	30.91

SOLIDS 8.029

Notes:

1. Permit R13-2315E 4.1.4.a.
2. Paint Arrestors 3400 Series.
3. Uncontrolled Emission calculations include the permitted spray gun Transfer Efficiency.

ATTACHMENT O

MONITORING, RECORDKEEPING, REPORTING, TESTING PLANS

ATTACHMENT O

MONITORING/RECORDKEEPING/REPORTING/TESTING PLANS

Greenfield Cabinetry, LLC requests no changes to the existing monitoring, recordkeeping, reporting, and testing as stated in the permit R13-2315E.

ATTACHMENT P

PUBLIC NOTICE

LEGAL ADVERTISEMENT

AIR QUALITY PERMIT NOTICE
Notice of Application

Notice is given that Greenfield Cabinetry, LLC (GREENFIELD) has applied to the West Virginia Department of Environmental Protection, Division of Air Quality (DAQ), for a Modification to Regulation 13 Permit R13-2315E. GREENFIELD proposes to increase allowable production by 35 percent and to install an additional spray booth at the facility located at 888 Industrial Park Road in Elkins, County Randolph, West Virginia. The latitude and longitude coordinates are: 38.919841; -79.859161.

The applicant estimates change in the potential to discharge the following Regulated Air Pollutants: PM of 1.98 tons per year (tpy), PM_{10} of 1.98 tpy, $PM_{2.5}$ of 1.98 tpy, VOC of 47.34 tpy, and total HAPS of 0.12 tpy.

The new booth will be installed in September 2015. Written comments will be received by the West Virginia Department of Environmental Protection, DAQ, 601 57th Street, Charleston, WV 25304, for at least 30 calendar days from the date of publication of this notice.

Any questions regarding this permit application should be directed to the DAQ at (304) 926-0499, extension 1227, during normal business hours.

Dated this the (PLEASE INSERT DATE) day of May, 2015.

By: Greenfield Cabinetry, LLC
Timothy Clontz
Plant Manager
888 Industrial Park Road
Elkins, West Virginia 26241

ATTACHMENT R

AUTHORITY FORM

Attachment R
AUTHORITY OF CORPORATION
OR OTHER BUSINESS ENTITY (DOMESTIC OR FOREIGN)

TO: The West Virginia Department of Environmental Protection, Division of Air Quality

DATE: 1-6 . 2014

ATTN.: Director

Corporation's / other business entity's Federal Employer I.D. Number 55-0764154001

The undersigned hereby files with the West Virginia Department of Environmental Protection, Division of Air Quality, a permit application and hereby certifies that the said name is a trade name which is used in the conduct of an Incorporated business or other business entity.

Further, the corporation or the business entity certifies as follows:

(1) _____ (is/are) the authorized representative(s) and in that capacity may represent the interest of the corporation or the business entity and may obligate and legally bind the corporation or the business entity.

(2) The corporation or the business entity is authorized to do business in the State of West Virginia.

(3) If the corporation or the business entity changes its authorized representative(s), the corporation or the business entity shall notify the Director of the West Virginia Department of Environmental Protection, Division of Air Quality, immediately upon such change.

P.R. Consi Mgr. Greenfield Cabinetry LLC
President or Other Authorized Officer
(Vice President, Secretary, Treasurer or other official in charge of a principal business function of the corporation or the business entity)

(If not the President, then the corporation or the business entity must submit certified minutes or bylaws stating legal authority of other authorized officer to bind the corporation or the business entity).

_____
Secretary

Greenfield Cabinetry LLC
Name of Corporation or business entity

Revision 03/2007