

MARYLAND DEPARTMENT OF THE ENVIRONMENT

**AIR AND RADIATION ADMINISTRATION
APPLICATION FOR A PERMIT TO CONSTRUCT**

DOCKET # 11-23

COMPANY: Culpeper of Federalsburg

LOCATION: 2000 Industrial Park Drive
Federalsburg, MD 21632

APPLICATION: Installation of one (1) 34' x 64' double track kiln with a direct natural gas fired burner system.

<u>ITEM</u>	<u>DESCRIPTION</u>
1	Notice of Application and Opportunity to Request an Informational Meeting
2	Environmental Justice (EJ) Information - EJ Fact Sheet and MDE Score and Screening Report
3	Permit to Construct Application – Evidence of Zoning Approval, Form 11 Application for Fuel Burning Equipment, Evidence of Workers Compensation Insurance, Site Plan, Vendor Literature, and Safety Data Sheets

**DEPARTMENT OF THE ENVIRONMENT
AIR AND RADIATION ADMINISTRATION**

**NOTICE OF APPLICATION AND
OPPORTUNITY TO REQUEST AN INFORMATIONAL MEETING**

The Maryland Department of the Environment, Air and Radiation Administration (ARA) received a permit-to-construct application from Culpeper of Federalsburg on February 16, 2023, for the installation of one (1) 34' x 64' double track kiln with a direct natural gas fired burner system. The proposed installation will be located at 2000 Industrial Park Drive, Federalsburg, MD 21632.

In accordance with HB 1200/Ch. 588 of 2022, the applicant provided an environmental justice (EJ) Score for the census tract in which the project is located using the Maryland EJ mapping tool. The EJ Score, expressed as a statewide percentile, was shown to be 66.38 which the Department has verified. This score considers three demographic indicators – minority population above 50%, poverty rate above 25% and limited English proficiency above 15%.

Copies of the application, the EJ mapping tool screening report (which includes the score), and other supporting documents are available for public inspection on the Department's website at <https://mde.maryland.gov/programs/Permits/AirManagementPermits/Pages/index.aspx> (click on Docket Number 11-23. Any applicant-provided information regarding a description of the environmental and socioeconomic indicators contributing to that EJ score can also be found at the listed website. Such information has not yet been reviewed by the Department. A review of the submitted information will be conducted when the Department undertakes its technical review of all documents included in the application.

Pursuant to the Environment Article, Section 1-603, Annotated Code of Maryland, the Department will hold an informational meeting to discuss the application and the permit review process if the Department receives a written request for a meeting within 10 working days from the date of the second publication of this notice. A requested informational meeting will be held virtually using teleconference or internet-based conferencing technology unless a specific request for an in-person informational meeting is received. All requests for an informational meeting should be directed to the attention of Ms. Shannon Heafey, Air Quality Permits Program by email to shannon.heafey@maryland.gov or by mail to the Air and Radiation Administration, 1800 Washington Boulevard, Baltimore, Maryland 21230.

Further information may be obtained by calling Ms. Shannon Heafey at 410-537-4433.

Christopher R. Hoagland, Director
Air and Radiation Administration



The Applicant's Guide to Environmental Justice and Permitting

What You Need to Know

This fact sheet is designed to provide guidance to applicants on incorporating environmental justice screening requirements pursuant to House Bill 1200, effective October 1, 2022.

What is Environmental Justice?

The concept behind the term environmental justice (EJ) is that regardless of race, color, national origin, or income, all Maryland residents and communities should have an equal opportunity to enjoy an enhanced quality of life. How to assess whether equal protection is being applied is the challenge.

Communities surrounded by a disproportionate number of polluting facilities puts residents at a higher risk for health problems from environmental exposures. It is important that residents who may be adversely affected by a proposed source be aware of the current environmental issues in their community in order to have meaningful involvement in the permitting process. Resources may be available from government and private entities to ensure that community health is not negatively impacted by a new source located in the community.

Extensive research has documented that health disparities exist between demographic groups in the United States, such as differences in mortality and morbidity associated with factors that include race/ethnicity, income, and educational attainment. House Bill 1200 adds to MDE's work incorporating diversity, equity and inclusion into our mission to help overburdened and underserved communities with environmental issues.

What is House Bill 1200 and what does it require?

Effective October 1, 2022, House Bill 1200 requires a person applying for a permit from the Department under §1-601 of the Environment Article of the Annotated Code of Maryland or any permit requiring public notice and participation to include in the application an EJ Score for the census tract where the applicant is seeking the permit; requiring the Department, on receiving a certain permit application to review the EJ Score; and requiring notices to include information related to EJ Scores and generally relating to environmental permits and environmental justice screenings.

What is a "Maryland EJ Tool"?

The term "Maryland EJ Tool" means a publicly available state mapping tool that allows users to: (1) explore layers of environmental justice concern; (2) determine an overall EJ score for census tracts in the state; and (3) view additional context layers relevant to an area.



The Applicant's Guide to Environmental Justice and Permitting

What You Need to Know

What is an "EJ Score"?

The term "EJ Score" means an overall evaluation of an area's environment and environmental justice indicators, as defined by MDE in regulation, including: (1) pollution burden exposure; (2) pollution burden environmental effects; (3) sensitive populations; and (4) socioeconomic factors.

The Maryland EJ Screening Tool uses three demographic indicators – minority population above 50%, poverty rate above 25% and percent of the population having limited English proficiency above 15% - to calculate a score that can be used as an indicator of susceptibility to environmental exposure. It is that score, linked to the census tract where the project is to be located, that needs to be reported to MDE as part of your permit application.

What does the application require?

The link for the Maryland EJ Tool is located on the Department's website, www.mde.maryland.gov, under Quick Links as EJ Screening Tool. At the top right, please click the first button for the MDE Screening Report. Input the address of the proposed installation in the address bar. Click on the Report button. Once the report has been generated select the print icon.

The applicant needs to include the MDE Screening Report with the EJ Score from the Maryland EJ Tool as part of the permit application upon submission. An application will not be considered complete without the report.

The applicant is encouraged to provide the Department with a discussion about the environmental exposures in the community. This will provide pertinent information about how the applicant should proceed with engaging with the community. Residents of a community with a high indicator score and a high degree of environmental exposure should be afforded broader opportunities to participate in the permit process and understand the impacts a project seeking permit approval may have on them.

Questions

For air quality permits, please call 410-537-3230.

For water permits, please call 410-537-4145.

For land permits pertaining to Solid Waste, please call 410-537-3098.

For land permits pertaining to Oil Control, please call 410-537-3483.

For land permits pertaining to Animal Feeding Operations, please call 410-537-4423.

For land permits pertaining to Biosolids, please call 410-537-3403.



Shazidul Mrida -MDE- <shazidul.mrida@maryland.gov>

FW: EJ Score culpeper

4 messages

Nagel, Larry <lnagel@culpeperwood.com>
To: "shazidul.mrida@maryland.gov" <shazidul.mrida@maryland.gov>

Thu, May 25, 2023 at 2:29 PM

Here is the ej score paper.

Larry Nagel

Yard Foreman and Driver

CWP - Federalsburg | www.culpeperwood.com
lnagel@culpeperwood.com
P: (866) 490-2958 | F: (410)-754-0567



The Trusted Brand in Pressure Treated Lumber

From: Loveless, Jennifer <jloveless@culpeperwood.com>
Sent: Thursday, May 25, 2023 2:28 PM
To: Nagel, Larry <lnagel@culpeperwood.com>
Subject: EJ Score

Jennifer Loveless

Sales Assistant

CWP - Federalsburg | www.culpeperwood.com
jloveless@culpeperwood.com
P: (866) 490-2958 x2602 | F: (410)-754-0567

[Back](#)

EJ Scores as a Percent Distribution (Qu... (1)

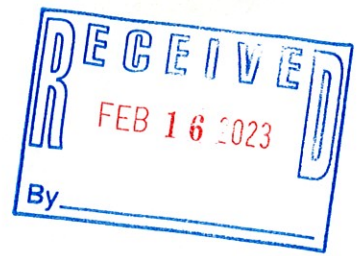
Geographic Area Name	Census Tract 9556, Caroline County, Maryland
Percent Minority	39.30
Percent Poverty	47.00
Percent Limited English Proficiency	3.10
SocioScore	29.80
Percent Tract Only	
Socio Percentile (All MD)	66.38
Socio Percentile (All MD) %	66.378%

Area: N/A

Active High Air Emission Facilities	(0)
LRP Facilities	(0)
Maryland Dam Locations	(0)
Maryland Pond Locations	(0)
Wastewater Discharge Facilities	(0)
Historic Mine Locations	(0)
Significant Wastewater Treatment Plants	(0)
Point Source Discharges	(0)



AIR QUALITY PERMIT TO CONSTRUCT APPLICATION CHECKLIST



OWNER OF EQUIPMENT/PROCESS	
COMPANY NAME:	Culpeper of Federalsburg
COMPANY ADDRESS:	2000 Industrial Park Drive Federalsburg, MD. 21632
LOCATION OF EQUIPMENT/PROCESS	
PREMISES NAME:	Culpeper of Federalsburg
PREMISES ADDRESS:	2000 Industrial Park Drive Federalsburg, MD. 21632
CONTACT INFORMATION FOR THIS PERMIT APPLICATION	
CONTACT NAME:	Tom Spicer
JOB TITLE:	Manager
PHONE NUMBER:	410 754-0561
EMAIL ADDRESS:	tspicer@CulPePerwood.com
DESCRIPTION OF EQUIPMENT OR PROCESS	
Direct Fire Kiln	

Application is hereby made to the Department of the Environment for a Permit to Construct for the following equipment or process as required by the State of Maryland Air Quality Regulation, COMAR 26.11.02.09.

Check each item that you have submitted as part of your application package.

- ☒ Application package cover letter describing the proposed project
- ☐ Complete application forms (Note the number of forms included or NA if not applicable.)
 - No. _____ Form 5
 - No. _____ Form 5T
 - No. _____ Form 5EP
 - No. _____ Form 6
 - No. _____ Form 10
 - No. ☒ Form 11
 - No. _____ Form 41
 - No. _____ Form 42
 - No. _____ Form 44
- ☒ Vendor/manufacturer specifications/guarantees
- ☒ Evidence of Workman's Compensation Insurance
- ☒ Process flow diagrams with emission points
- ☒ Site plan including the location of the proposed source and property boundary
- ☒ Material balance data and all emissions calculations
- ☒ Material Safety Data Sheets (MSDS) or equivalent information for materials processed and manufactured.
- ☒ Certificate of Public Convenience and Necessity (CPCN) waiver documentation from the Public Service Commission ⁽¹⁾
- ☒ Documentation that the proposed installation complies with local zoning and land use requirements ⁽²⁾

(1) Required for emergency and non-emergency generators installed on or after October 1, 2001 and rated at 2001 kW or more.

(2) Required for applications subject to Expanded Public Participation Requirements.

Culpeper of Federalsburg

Proposed Kiln Project

Cover Letter

Culpeper of Federalsburg is submitting Permit to Construct Application, for fuel burning equipment, to The Maryland Department of The Environment, to construct a Natural Gas Direct Fired Kiln for the purpose of drying Southern Yellow Pine Pilling/Poles on said property, Culpeper of Federalsburg 2000 Industrial Park Drive, Federalsburg, Maryland 21632

Our goal is to supply Dry Pilling/Poles to our treating facilities, with the most efficient process available, and the least Environmental impact, with this said we have elected to use Natural Gas

Kiln Specs: 34'x64' Double track batch kiln, (Stack less) Direct fire Natural Gas burner, Return Duct system, see attached drawing of kiln reference to burner emissions Calculations per 6 of the roof vents, that auto operate as a moisture control

Included: (certificate of Liability Ins., Workers' Comp.)

Included: Site Plan (Location of Kiln, Property Boundary's)

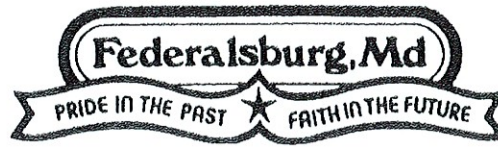
Included: Local Zoning Compliance/Land use

Included: Certificate (Public Convenience/Local Commissioner)

Included: Natural Gas (Safety Data Sheet)

Site Work Company

Greig Bee Excavating
443-786-7522



118 NORTH MAIN STREET
P. O. BOX 471
FEDERALSBURG, MARYLAND 21632

410-754-8173



January 6, 2023

K&D Reliance LLC
2000 Industrial Park Road
Federalsburg, MD 21632

RE: 2000 Industrial Park Road Federalsburg, Maryland District: 05 Account No.: 026687

This letter will confirm that the property of 2000 Industrial Park Road Federalsburg, Maryland has a zoning classification of ID-2. The purpose of this district is to provide for a wide variety of light manufacturing, fabricating, processing, wholesale distributing and warehousing uses appropriately located for access by major thoroughfares or railroads. New residential development is excluded.

All permitted uses and requirements can be found online at <https://ecode360.com/9902011>.

If you need further information, please contact me at 410-754-8173.

Code Enforcement Officer
William Newsome

ZONING

245 Attachment 2

Town of Federalsburg

Table of District Regulations

[Amended 8-5-2002 by Ord. No. 2002-13; 8-7-2007 by Ord. No. 2007-16; 8-6-2007 by Ord. No. 2007-17]

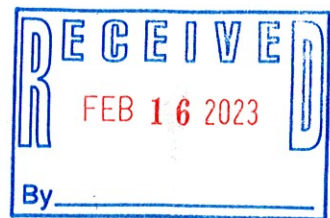
Use	Total (square feet)	Minimum Lot			Minimum Yards				Maximum Height		
		Per Family	Width ¹ (feet)	Depth (feet)	Front (feet)	Side (feet)	Aggregate (feet)	Rear (feet)	Feet	Number of Stories	
Residential											
R-1	8,000	8,000	80	100	35	10	20	35	35	2½	
R-2											
One-family	8,000	8,000	70	100	25	10	20	35	35	2½	
Two-family ⁴	16,000	8,000 ⁴	70	100	25	10	20	35	35	2½	
R-3											
One-family	8,000	8,000	70	100	25	10	20	35	35	2½	
Two-family ¹	16,000	8,000	70	100	25	10	20	35	35	2½	
Apartments	40,000	3,400	125	100	25	20	40	25	35	2½	
Townhouses ¹	See Table of Townhouse Requirements										
Trailer parks	5,000	5,000	50	100	20 ⁵	8	15	30 ⁵	20	1	
Commercial											
B-1 Neighborhood Business	20,000	—	100	100	25	10	25	12	35	2½	
C-1 Central Commercial	20,000	—	100	100	20 ⁵	10	25	12	40	3	
MS-1 Medical Services	8,000	8,000	80	100	35	10	20	35	35	2½	
Industrial											
ID-1 Limited Industrial	40,000	—	150	150	50	20	50	50	50	—	
ID-2 General Industrial	40,000	—	250	250	50	25	50	25	70	—	

NOTES:

XXXXXX CODE

- 1 See § 245-114. Two-family dwellings and townhouses.
- 2 There shall be a ten-foot landscaped space between the official curbline and any commercial structure or parking lot.
- 3 Widths of all lots are measured at the building line; no lot shall have less than 25 feet of width at the front street line.
- 4 Conditional use only.
- 5 May be reduced, by variance, where standard manufactured unit dimensions will not permit conformance with setback requirements.
- 6 Each property line of a triangular shaped lot located in the ID-2 section shall be a minimum of 250 feet in height. Please refer to the calculations on Height of Triangle Regulations to determine the height of a triangle.





MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Blvd ■ Baltimore, Maryland 21230
(410) 537-3230 ■ 1-800-633-6101 ■ www.mde.state.md.us

Air and Radiation Management Administration ■ Air Quality Permits Program APPLICATION FOR FUEL BURNING EQUIPMENT

Permit to Construct ☒ Registration Update ☐ Initial Registration ☐

1A. Owner of Equipment/Company Name <u>Culpeper of Federalsburg</u>		DO NOT WRITE IN THIS BOX										
Mailing Address/Street <u>2000 Ind. Park Drive</u>		2. Registration Number										
City <u>Federalsburg</u> State <u>MD</u> Zip Code <u>21632</u>		County No. <table border="1"><tr><td></td><td></td></tr></table> 1-2			Premises No. <table border="1"><tr><td></td><td></td><td></td><td></td></tr></table> 3-6							
Telephone Number <u>410 754-0501</u>		Registration Class <table border="1"><tr><td></td></tr></table> 7		Equipment No. <table border="1"><tr><td></td><td></td><td></td><td></td></tr></table> 6-11								
Print Name/Title <u>Thomas W. Price Jr Manager.</u>		Data Year <table border="1"><tr><td></td><td></td></tr></table> 12-13			Application Date							
Signature:		Date:										
1B. Equipment Location (if different from above give Street Number and Name, City, State, Zip and Telephone Number): <u>Same as above</u>												
Premises Name (if different from above):												
3. Status												
A= New Equipment B= Modification to Existing Equipment C= Existing Equipment	Status <table border="1"><tr><td>A</td></tr></table> 15	A	New Construction Began (MM/YY) <table border="1"><tr><td></td><td></td><td></td><td></td></tr></table> 16-19					New Construction Completed (MM/YY) <table border="1"><tr><td></td><td></td><td></td><td></td></tr></table> 20-23				
A												
Existing Initial Operation (MM/YY) <table border="1"><tr><td></td><td></td><td></td><td></td></tr></table> 20-23												
4. Describe this Equipment (Make, Model, Features, Manufacturer, etc.): <u>34 X 64' Natural Gas SII Dry Kilns, Lexington, NC 27293</u> <u>Direct Fire Kiln</u>												
5. Workmen's Compensation Coverage: Binder/Policy Number: <u>NC15893634</u>												
Company Name: <u>New Hampshire Ins. Co.</u> Expiration Date: <u>4/1/23</u>												
NOTE: Before a Permit to Construct may be issued by the Department, the applicant must provide the Department with proof of worker's compensation coverage as required under Section 1-202 of the Worker's Compensation Act.												
6. Number of Pieces of Identical Equipment to be Registered/Permitted at this Time: <u>1</u>												
7. Person Installing this Equipment (if different from above give Name/Title, Company Name, Mailing Address and Telephone Number): <u>The site Prep and ground work is out For Bid at this time</u>												
8. Major Activity, Product or Service of Company at this Location: <u>The transport of Pressure treated piling, poles and lumber to Contractor</u>												
9. Control Devices Associated with this Equipment												
None <input checked="" type="checkbox"/> 24-0	Simple/Multiple Cyclones <input type="checkbox"/> 24-1	Spray/Adsorb Tower <input type="checkbox"/> 24-2	Venturi Scrubber <input type="checkbox"/> 24-3									
		Carbon Adsorber <input type="checkbox"/> 24-4	Electrostatic Precipitator <input type="checkbox"/> 24-5									
			Bag-house <input type="checkbox"/> 24-6									
	Thermal/Catalytic Afterburner <input type="checkbox"/> 24-7	Dry Scrubber <input type="checkbox"/> 24-8	Other <input type="checkbox"/> 24-9									
			Describe _____									





JEFFHOM-01

TRACYF

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

4/5/2022

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Body-Borneman Associates Inc. 17 East Philadelphia Avenue P.O. Box 584 Boyertown, PA 19512	CONTACT NAME: PHONE (A/C, No, Ext): (800) 326-5290 FAX (A/C, No): (610) 367-1140 E-MAIL ADDRESS: bodyb@bodyborneman.com																					
INSURED Jefferson Homebuilders, Inc. Culpeper Wood Preservers P O Box 1148 Culpeper, VA 22701	<table border="1"><thead><tr><th colspan="2">INSURER(S) AFFORDING COVERAGE</th><th>NAIC #</th></tr></thead><tbody><tr><td>INSURER A:</td><td>National Union Fire Ins Co of Pittsburgh, PA</td><td>19445</td></tr><tr><td>INSURER B:</td><td>Indian Harbor Ins. Co.</td><td>36940</td></tr><tr><td>INSURER C:</td><td>New Hampshire Insurance Company</td><td>23841</td></tr><tr><td>INSURER D:</td><td></td><td></td></tr><tr><td>INSURER E:</td><td></td><td></td></tr><tr><td>INSURER F:</td><td></td><td></td></tr></tbody></table>	INSURER(S) AFFORDING COVERAGE		NAIC #	INSURER A:	National Union Fire Ins Co of Pittsburgh, PA	19445	INSURER B:	Indian Harbor Ins. Co.	36940	INSURER C:	New Hampshire Insurance Company	23841	INSURER D:			INSURER E:			INSURER F:		
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INSURER C:	New Hampshire Insurance Company	23841																				
INSURER D:																						
INSURER E:																						
INSURER F:																						

COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSD WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER:		GL5268143	4/1/2022	4/1/2023	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 500,000 MED EXP (Any one person) \$ 25,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY		CA4489631	4/1/2022	4/1/2023	COMBINED SINGLE LIMIT (Ea accident) \$ 2,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
B	<input type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$		SXS005638902.	4/1/2022	4/1/2023	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N <input type="checkbox"/> N/A	WC15893634	4/1/2022	4/1/2023	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

CANCELLATION

Maryland Department of the Environment
1800 Washington Blvd
Baltimore, MD 21230

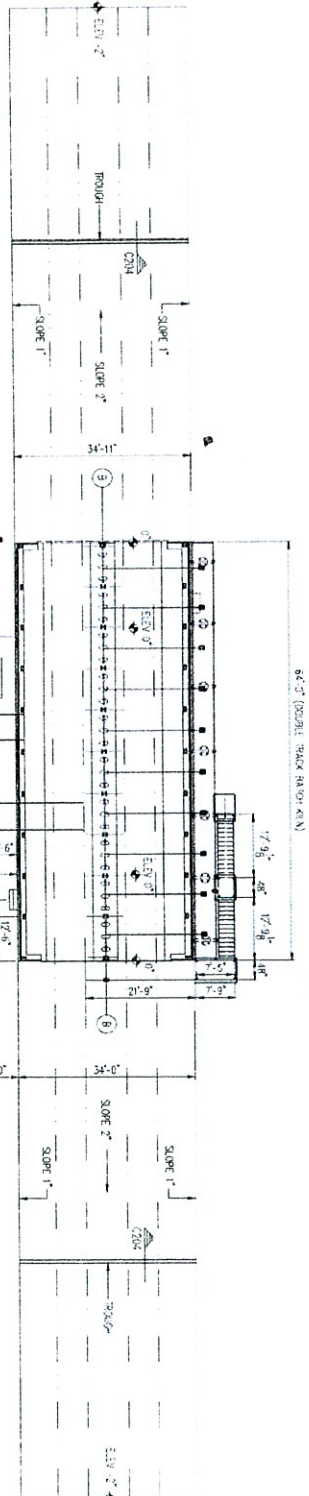
SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

ACORD 25 (2016/03)

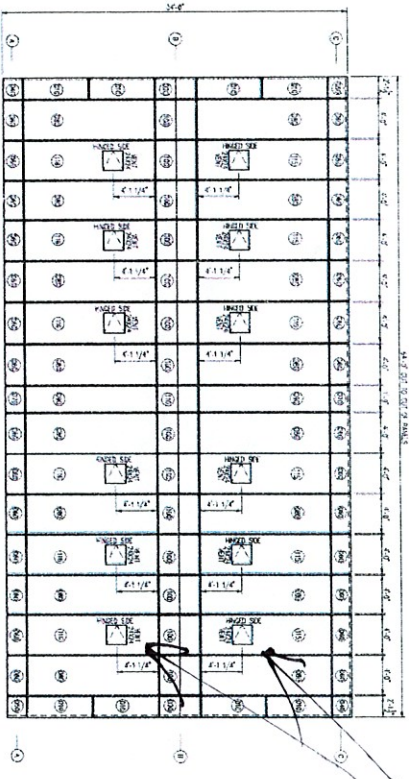
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Closed
System
Stack less
Return

101
KEY PLAN



Roof
Vents

DOUBLE TRACK BATCH KILN #1
102
ROOF PLAN

A LUMBER DRYING DOUBLE TRACK BATCH KILN FOR:
CULPEPPER WOOD PRODUCTS

DESIGNED BY: SII
DATE: 10/15/76

CONSTRUCTION: SII
DATE: 10/15/76

Sheet No.
A-1

SII DRY KILNS

Southeastern Installation, Inc.

P. O. Drawer I, Lexington, NC 27293
(336) 357-7146 - (336) 357-2267
1-800-Kiln Dry

March 20, 2022

Mr. Larry Nagel
Culpeper Wood Preservers
2000 Industrial Park Road
Federalsburg, MD 21632

Proposal No. 22-048
Phone: (410) 754-0566

Dear Mr. Nagel:

We are pleased to offer the following quotation to manufacture and/or supply and install the *SII Lumber Drying System* as detailed on the accompanying specification pages.

PRICE: One (1) 34' x 64' Double Track Kiln with Direct-Fired Gas Burner System, 900' of 30# Rail, 16 Pole Carts, Computerized Controls and a 20' x 25' Control Room

The kiln will hold approximately 6,029 cubic feet of Poles

\$ 1,452,412.00

This price is **F.O.B. shipping points**, and do not include any local, state, or federal sales or use taxes.

TERMS: 30% with order, 35% when ready for shipment, 20% when buildings are substantially under roof, 10% upon substantial completion of installation, and the balance at start-up, not to exceed thirty (30) days from completion of installation.

SUBMITTED BY: _____
Bob Pope

SII SPECIFICATIONS**GENERAL INFORMATION****I. Kiln Specifications**

A. Method of Loading	Track
B. Dimensions	
1. Width	34'
2. Length	64'
3. Door Height/Width	12' / 12'
4. Number of Doors	4
C. Number of Chambers	1
D. Building Type	Steel / Aluminum
E. Control Room	20' x 25'

II. Holding Capacity and Package Information

A. Package Width	8'
B. Poles	12"
C. Layers High per Package	8
D. Overall Pole Height with cart	11' 0"
E. Sticker Size	4"
F. Pole Lengths	12' - 52'
G. Pole Arrangement	8 poles high / 8 poles wide
H. Stacking Efficiency:	100%
I. Average Holding Capacity	6,029 CU FT Poles

SII SPECIFICATIONS**III. Fan System**

- | | |
|---|-------------|
| A. Number of Fans | 7 |
| B. Diameter of Fans | 72" |
| C. H.P. of Motors | 20 hp |
| D. Expected Air Velocity
Based on our loading information at
75°F (.066 lb/cu. ft.) | 600 +/- fpm |

IV. Heating System

- | | |
|----------------------------------|-----------------|
| A. Gas Burner | Direct Fired |
| B. BTU Rating per Kiln | 10,000,000 BTUs |
| C. BTUs per Cubic Foot | 1500 + |
| D. Maximum Operating Temperature | 250° F |

V. Electrical Requirements

- | | |
|------------|-----|
| A. Voltage | 480 |
| B. Phase | 3 |
| C. Cycle | 60 |

Note: Equipment is designed for 480 volts with a tolerance of 10%. Nothing is included to regulate power company's supply. If an isolation transformer is required due to the type of service supplied, it is the responsibility of the owner.

SII SPECIFICATIONS**BUILDING SPECIFICATIONS FOR A 64' DIRECT FIRED GAS TRACK KILN:**

EQUIPMENT (Per Kiln): The Chamber is to be 34' wide and 64' long. The eave height will be approximately 18' and peak height will be approximately 20'. The door end opening height will be 12' above the rail.

Construction will consist of: **SII STEEL/ALUMINUM PREFAB**

I. STRUCTURAL STEEL:

- A. All structural and miscellaneous steel shall consist of, but not be limited to the following:
 - 1. Structural columns
 - 2. Bar joists/trusses
 - 3. Purlins
 - 4. Reinforcing members as required by equipment specifications and/or where needed for complete installation
 - 5. Door lintel
 - 6. Any spliced materials will be reinforced for structural integrity.
 - 7. All required fasteners shall be stainless steel
- * All standard steel shall be coated with primer and kiln mastic.

II. PANEL STRUCTURE:

- A. All side and end walls and roof panels will be 3" thick with thermax or equal insulation, sandwiched by 0.040" embossed aluminum sheeting on the interior and exterior faces. Edges of all panels are riveted, and silicone caulked to insure a positive thermal/moisture barrier. This unique design delivers an "R" value of 20+, rated at 40 deg. Fht. temperature.

III. PANEL ASSEMBLY:

- A. Panel installation will be indicated on the construction drawings.
- B. Silicone is used to weather seal panel penetrations and special conditions.
- C. The aluminum extrusions used are installed continuously on all side joints in panels.
- D. A polybutyl type tape is applied at any point where extrusions contact panels to provide a permanent weather seal.

IV. CONTROL ROOM: 20' x 25'

- A. Free Standing Steel frame, 2" insulation with aluminum skins.
- B. Any HVAC, lighting and receptacles are by others.

SII SPECIFICATIONS

EQUIPMENT FOR THE CHAMBER:

- A. **HEAT SUPPLY:** The system will include inlet duct, upper heat duct plenum, downcomers, and return duct. Transitions in the ductwork shall be tapered at a min. of 30 degrees and turning vanes will be supplied for all 90 degree turns. Dampers within the ductwork shall include a locking device to secure the damper in position during the operation of the kiln.

1) **INLET DUCT:** The 10 ga HR steel inlet "nose duct" will supply the upper heat duct plenum for even distribution of the heat. The inlet duct will connect with the external heat ducts 12" outside of the chamber with flanges. The 12" portion of the inlet duct on the exterior of the chamber will be insulated, jacketed and flashed to provide a weather tight seal. The supply duct from the burner to the central chamber is included in the burner proposal.

2) **UPPER HEAT DUCT PLENUM:** The upper heat duct is to be constructed of 12 ga. HR steel with internal steel support framing to provide a stable walking surface to provide a work platform for the fans located in the chamber. The overall duct will be approx. 18"+/- deep by 21'+/- wide. The top section will have registers for heat supply to the upper chamber.

3) **DOWNCOMERS:** There will be twenty-one (21) round, downcomers, to be constructed of 16 ga HR steel with adjustable openings on each side. The downcomers will contain no edges that are perpendicular to the kiln fan system air flow and will include a locking device to secure the openings in position during the operation of the kiln.

4) **RETURN DUCT:** There will be a return duct with an expanded metal guard will be installed in the sidewall at ground level and will terminate at a flanged connection 12" outside the perimeter of the kiln structure. Return duct with flanged connection to the blend box is included in the burner section.

- B. **FAN SYSTEM:** There will be a total of seven (7) 72", **SMITHCO, eight propeller**, cast aluminum, adjustable pitch reversible blades. At start-up of the system, the blades will be adjusted to ensure efficient output of the 20 H.P., 1750 rpm motors, provided by the SII.

The SII external motor driven fan system comes complete with the following:

- Cold rolled steel shaft, turned, ground and polished, will be supported by four (4) 2-7/16" Dodge Imperial spherical roller bearing pillow block bearings. The shaft support beam is an 8" steel tube.
- External components include: sheaves (to 900 rpm), taperlock bushings, "Gates" polychains, adjustable motor stands, and appropriate guards.

SII SPECIFICATIONS**B. FAN SYSTEM (continued):**

- SII will provide and install extended, copper lines with grease fittings accessible from the exterior catwalk. The bearings will be greased with the proper amount of grease during installation, **grease to be provided by the owner.**
- **FREQUENCY DRIVES:** There will be seven (7) individual Yaskawa, 38 amp frequency drives, one per motor each with an exterior line reactor with a **two year warranty on labor and materials.**

C. BAFFLES: Overhead: SII will supply fixed overhead steel baffles mounted to the heat plenum on the outside of each track. Baffles shall limit the airflow from short-circuiting across the top of the poles by extending approx. 4" below the top of the cart. End vertical baffles at the outside corner of each door. Vertical aluminum baffles are approximately 3' wide and 12' high.**D. ACCESS DOORS:** SII will provide two (2) access doors at ground level, one per sidewall, in locations to be determined by the owner or owner's representative. There will also be two (2) fan deck level access door in one gable end.**E. STAIRWAYS AND PLATFORMS:** SII will supply and install a walkway on the fan side of the chamber to allow access to the external fan motors and a walkway extension along one end to allow access to the door in the gable end. The handrails for the walkway will be constructed of 1½" square tubing. Walkways and the two sets of stairs will be designed to meet OSHA standards and will be painted safety yellow.

NOTE: All external walkways, platforms and stairs will be of carbon steel materials per specifications.

F. VENTS: SII will supply and install twelve (12) roof vents, six per side. In addition, SII will provide the necessary linkage and two (2) electric actuators, one per side, sized to accommodate consistent operation (open/closed) at the negative and positive pressures generated by the circulation fans.

SII SPECIFICATIONS

- G. **SII/PLC CONTROL SYSTEM:** The PLC Control System will consist of a Siemens programmable logic controller with all appropriate equipment. The system provides programmable setpoint capability on both dry bulb setpoints and wet bulb setpoints. Included are necessary RTDs per kiln along with wet bulb water box, wicks, and RTD wire. In addition, there will be one local control panel per kiln, each with switches and indicator lights for manual control of fans, heat, spray and vents. This system comes standard with computer-communication port (RS 422/485) allowing for adaptation of SII full computerization.

"KILN-DRY 9060" COMPUTERIZED CONTROL SYSTEM: This Windows based; computerized control system is designed to control several kilns from a single location via a PLC network. The "Kiln Dry 9060" system includes an Industrial Grade computer, flat screen monitor, a UPS power supply and all required cables. **The owner is responsible for a printer, if required.** For **softwoods**, operator will utilize time schedules in conjunction with the ability to monitor temperature drop across the load (TDAL). Additionally, if frequency drives are being used for the fan system, the computer will make the required adjustments for fan speed. Customer is to provide internet access for troubleshooting and technical support.

- H. **KILN DOORS:** Our insulated (R-22), special heavy-extruded aluminum kiln door structures for four (4) openings, each 12' wide x 12' high. The SII kiln door features the R-LOK design allowing the 48" wide, full-length panels to "snap" together with a phenolic wedge key. Each door system is complete with required safety guards, **silicone** gasketing, and hardware. There will be one (1) 8' wide manual door carrier on each end that allows a door to pass in front of each other when loading.
- I. **TRACK:** SII will provide 900 LF of 30# **ASCE Kiln rail with clips and splice bars (installation by others).**
- H. **KILN CARTS:** Sixteen (16) Steel kiln carts shall be provided with **solid steel** washerless 8" wheels w/ hard needles, mounted between (2) 6" X 11.5" channels on each side. Carts shall be 15' long with 6" X 6" cross members 98" long. Carts shall be primed with red oxide paint.

In addition, SII will supply drawings of the kiln carts and the customer will be responsible for structural uprights and installation.

SII BURNER SPECIFICATIONS

10 MILLION BTU HEATING SYSTEM: There will be one (1) 10,000,000 BTU burner system. There will be one (1) complete gas train for the burner, one combustion air blower and one control panel and MCC for the blower motor.

The external combustion blower will be 5 hp, 3600 RPM producing 3,000 cfm @ 25" wc to deliver air to the burner.

A custom Natural gas Pipe train to service the burner w/ double block and check to meet FM requirements will be mounted on floor stand with prewired NEMA 12 junction box, 5 – 7 psi gas pressure at full flow for 10 million BTUs is to be provided to the gas train.

The Custom control panel for automatic burner start-up sequencing, flame supervision, and temperature control from dry bulb sensor. The Yaskawa VFD and MCC panel are designed to receive start commands and 4-20 ma signals. Cabinets shall be wall mounted in control room.

SII will supply an IAP recirculating fan - w/ class III wheels are included. The recirculation fan will be controlled by a VFD drive.

SII will provide a blend box constructed of 8 x 9 x12' - stainless steel plate walls, support stands, stiffener angles, stand offs, flanges and doors. The blend box will be insulated with 3" rock wool insulation and aluminum jacketing.

The supply duct between the recirculation fan and the inlet duct at the chamber will be 84" x 74", constructed of 10 ga plate with 3" flanges and Zee standoffs. The supply duct will be insulated with 3" of rock wool insulation and aluminum jacketing.

The return duct from the return duct flange at the chamber to the blend box will also be approximately 84" x 74" and constructed of 10 ga plate, 3" flanges and Zee standoffs.

NOTE: The owner will provide clear and unrestricted access to the site.

FOUNDATION WORK FOR THE CHAMBER shall consist of slabs, footings, providing and placing embedded items, and building drainage. To be installed by purchaser according to SII anchor bolt setting plans.

SII SPECIFICATIONS**RESPONSIBILITIES:**

This proposal is for the installation of the materials and equipment as specified. SII will provide a start up crew to do final adjustments to the system during the start up and commissioning phase of the project.

The customer is responsible for the following:

- (x) 1. Unloading all material and storing upon arrival.
- (x) 2. All tests and permits, state or federal.
- (x) 3. All insurance except contractor's liability and any requirements to comply with local codes. Automatic sprinkler system (by others) is strongly recommended.
- (x) 4. All electrical requirements including all power and wiring to SII controls and MCC panels. Any lighting/service receptacles in kiln or buildings.
- (x) 5. Metered service (saw service) available ten (10) days prior to construction.
- (x) 6. All site preparation including adequate drainage and site leveling at least 15' around the perimeter of foundations.
- (x) 7. All footings, foundations, floor and aprons. (Work should be 100% complete **seven days prior to installation work beginning**. Any modification required to correct the owner's foundations and/or anchor bolt placement will be at the owner's expense.
- () 8. All buildings as described.
- () 9. The natural gas burner system
- () 10. All controls and electrical field wiring from SII panels to field devices.
- (x) 11. Gas supply and water supply connected to SII equipment.
- (x) 12. All installation labor for items not covered in this proposal.
- (x) 13. Easy access to job site and receptacles for the accumulation project debris. Removal of debris.

This proposal is based on the use of non-union labor. Should union labor be used, SII reserves the right to re-negotiate installation costs.

Owner _____

SII _____

Typical values of combustion escape results on Oilon natural gas burners.

Values mentioned beneath are based on measurements made in laboratory and in various heating plants with an excess air number of 1.17 (O_2 -content 3,0 %).

Values are valid under conditions that the load of combustion chamber doesn't exceed 1000 kW/ m^3 , its shape is suitable for the flame and the characteristics of fuel do not essentially vary from the test gas of the second family group H (standard EN 437).

Oxygen (O_2)	3,0 %	
Carbon dioxide (CO_2)	10,0 %	
Carbon monoxide (CO)	< 50 ppm	63 mg/ m^3_n
Nitric oxides (NO_x)	< 70 ppm	144 mg/ m^3_n (calc. as NO_2)
Hydrocarbons (C_xH_y)	< 10 ppm	20 mg/ m^3_n (calc. as C_3H_8)

The emission of sulphur dioxide (SO_2) is depending on the content of sulphur in fuel so that practically all of it is burning to sulphur dioxide.



Classification: DCL-Internal

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Natural gas

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SECTION 1: IDENTIFICATION

(a) PRODUCT IDENTIFIER:	(b) SYNONYMS:
Natural gas	Wellhead gas, Petroleum gas, Fuel gas, Methane


(c) **Recommended Use:** Fuel for household and industrial purposes; raw material for manufacturing.**Restrictions On Use:** Not to be used for anything other than recommended use.(d) **Producer:**

Chesapeake Energy Corporation and Subsidiaries • 6100 N. Western Avenue, Oklahoma City, OK 73118

Tel: 800-566-9306 • Fax: 405-753-5468

(e) **24 HR EMERGENCY ASSISTANCE PHONE NUMBER:** Verisk 3E – 800-451-8349 / Client ID 11906**SECTION 2: HAZARDS IDENTIFICATION**

The categories of Health Hazards as defined in OSHA 29 CFR 1910.1200 Hazard Communication Standard have been evaluated and are listed below. Refer to Sections 3, 8, and 11 for additional information.

Hazard Classification	(a) Hazard Category	(b) Hazard Symbols	(b) Signal Word	(b) Hazard Statement	(b) Precautionary Statement
Human Health Hazards					
Acute Toxicity (Oral)	N/C	-	-	-	-
Acute Toxicity (Dermal)	N/C	-	-	-	-
Acute Toxicity (Inhalation)	N/C	-	-	-	-
Skin Corrosion/Irritation	N/C	-	-	-	-
Eye Damage/Irritation	N/C	-	-	-	-
Respiratory Sensitization	N/D	-	-	-	-
Skin Sensitization	N/C	-	-	-	-
Germ Cell Mutagenicity	1B				
Carcinogenicity	1A				
Reproductive Toxicity	N/C	-	-	-	-
Specific Target Organ Toxicity (STOT) Single-Exposure	3		Warning	May cause drowsiness or dizziness	Avoid breathing gas/vapors. P233, P261, P271, P304, P312, P340, P403, P405, P501
Specific Target Organ Toxicity (STOT) Repeated or Prolonged Exposure	N/C	-	-	-	-
Aspiration Hazard	N/D	-	-	-	-
Simple Asphyxiant	-	-	Warning	May displace oxygen and cause rapid suffocation	-





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Health Hazard Precautionary Statement	
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P233	Keep container tightly closed.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/ protective clothing/eye protection/face protection.
P304+P340	If inhaled: Remove person to fresh air and keep comfortable for breathing.
P308+P313	If exposed or concerned. Get medical advice/attention.
P312	Call a poison center or doctor if you feel unwell.
P314	Get medical advice/attention if you feel unwell.
P403	Store in a well-ventilated place.
P405	Store locked up.
P501	Dispose of contents/container to an approved facility.

Hazard Classification	Hazard Category	Hazard Symbols	Signal Word	Hazard Statement	Precautionary Statement
Physical Hazards					
Explosives	N/C	-	-	-	-
Flammable Gases	1		Danger	Extremely flammable gas	Keep away from heat/sparks/open flames/hot surfaces – No Smoking. P210, P377, P381, P403
Flammable Aerosols	N/C	-	-	-	-
Oxidizing Gases	N/C	-	-	-	-
Gases Under Pressure	Liquefied gas		Warning	Contains gas under pressure; may explode if heated	Protect from sunlight. Store in a well-ventilated place. P410, P403
Flammable Solids	N/C	-	-	-	-
Self-reactive Substances and Mixtures	N/C	-	-	-	-
Substances and mixtures which react with water to emit flammable gases	N/C	-	-	-	-
Oxidizing Liquids	N/C	-	-	-	-
Oxidizing Solids	N/C	-	-	-	-
Organic Peroxides	N/C	-	-	-	-
Corrosive to Metals	N/C	-	-	-	-

Physical Hazard Precautionary Statement	
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233	Keep container tightly closed.



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Physical Hazard Precautionary Statement	
P235	Keep cool.
P240	Ground/Bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P280	Wear protective gloves/eye protection/face protection.
P303+P361	If on skin or hair: Remove/take off immediately all contaminated clothing.
P353	Rinse skin with water/shower.
P370+P378	In case of fire. Use dry chemical, carbon dioxide, or foam to extinguish.
P377	Leaking gas fire: Do not extinguish, unless leak can be stopped safely.
P381	Eliminate all ignition sources if safe to do so.
P403	Store in a well-ventilated place.
P410	Protect from sunlight.

Hazard Classification	(a) Hazard Category	(b) Hazard Symbols	(b) Signal Word	(b) Hazard Statement	(b) Precautionary Statement
Environmental Hazards					
Acute Toxicity to the Aquatic Environment	N/C	-	-	-	-
Chronic Toxicity to the Aquatic Environment	N/C	-	-	-	-

(c) **Hazards not otherwise classified:** Frostbite. Exposure of skin or eyes to compressed gases may result in freezing of the skin or eyes. This material may contain or release hydrogen sulfide. In high doses, hydrogen sulfide may produce pulmonary edema and respiratory depression or paralysis.

(d) **Unknown acute toxicity:** None Identified.

Medical conditions which are generally recognized as being aggravated by exposure: Populations with chronic respiratory, skin, or eye disease are at increased risk from exposure. Hydrocarbon exposure may sensitize the myocardium to epinephrine-induced cardiac arrhythmias (HSDB, 2014).

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS				
Hydrocarbon Ranges	(a) Chemical name (b) (Common name and synonyms)	(c) CAS No.	(c) EC No.	(b) % Weight
	Natural Gas	8006-14-2		100
Components				
Aliphatic Hydrocarbons				
C ₁ – C ₃	Methane	74-82-8	200-812-7	35 - 65
	Ethane	74-84-0	200-814-8	13 - 25
	Propane	74-98-6	200-827-9	8 - 21
C ₄	Butane (all isomers)	68513-65-5	271-009-7	4 - 13
C ₅	Pentanes	-	-	1 - 6
C ₆ – C ₈	"Light aliphatic" hydrocarbons	-	-	0 - 5
	n-Hexane	110-54-3	203-777-6	0 - 1



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SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Hydrocarbon Ranges	(a) Chemical name (b) (Common name and synonyms)	(c) CAS No.	(c) EC No.	(b) % Weight
C ₉ – C ₁₈	"Mid-range aliphatic" hydrocarbons	-	-	0 – 0.5
Aromatic Hydrocarbons				
C ₆	Benzene	71-43-2	200-753-7	0 – 0.2
C ₇ – C ₈	Ethylbenzene	100-41-4	202-849-4	0 – 0.1
	Toluene	108-88-3	203-625-9	0 – 0.3
	Xylenes (all isomers)	1330-20-7	215-535-7	0 – 0.1
Other				
	Carbon Dioxide	124-38-9	204-696-9	0 – 5
	Nitrogen	7727-37-9	231-783-9	0 – 5
	Hydrogen sulfide	7783-06-4	231-977-3	< 0.5 varies

* Natural gas is a highly variable mixture containing a variety of compounds. The concentration ranges listed above are based on specific testing results and reported industry values. Components of this product are normally within the ranges listed above; however, depending on the geographical source, natural gas composition may vary.

SECTION 4: FIRST AID MEASURES

(a) Description of necessary measures:

Emergency Medical advice is available from regional poison control centers 1-800-222-1222.

INHALATION:	Move to fresh air immediately. If breathing stops, provide artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
INGESTION:	Material is a gas under normal atmospheric conditions, so ingestion is not an expected problem. If oral exposure occurs, seek medical attention.
SKIN CONTACT:	Not expected to cause prolonged or significant skin irritation. CAUTION: Contact with liquid gas can cause frostbite or chemical burns. Treatment for frostbite may be necessary. Remove the victim from the source of contamination. IMMEDIATELY wash affected areas gently with COLD water (and soap, if necessary) while removing and isolating all contaminated clothing. Dry carefully with clean, soft towels. If symptoms such as inflammation or irritation develop, IMMEDIATELY call a physician or go to a hospital for treatment.
EYE CONTACT:	Flush eyes immediately with water for 15 minutes while holding eyelids open. Remove contacts if worn. If irritation persists, seek medical attention. Eye contact with liquefied gas can cause frostbite or chemical burns.

(b) Most important symptoms/effects:

- **Acute:** Rapid respiration, loss of mental alertness and coordination, dizziness. Anesthetic effects and asphyxiant at high concentrations.
- **Delayed:** None identified

(c) Indication of immediate medical attention and special treatment: Significant over-exposure

Notes to physician: Epinephrine and other sympathomimetic drugs may initiate cardiac arrhythmias in person exposed to high concentration of hydrocarbon solvents (e.g. in enclosed spaces or with deliberate abuse). The use of other drugs with less arrhythmogenic potential should be considered. If sympathomimetic drugs are administered, observe for the development of cardiac arrhythmias. Treat symptomatically and supportively.



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General advice: In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Show this safety data sheet to the doctor in attendance. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

SECTION 5: FIRE FIGHTING MEASURES

(a) Suitable extinguishing media: Any extinguisher suitable for Class B fires, dry chemical, firefighting foam, or carbon dioxide (CO₂). Fire should not be extinguished unless flow of gas can be immediately stopped.

Unsuitable extinguishing media: Water can be used to cool the fire, but it may not extinguish the fire.

(b) Specific hazards arising from the chemical: Material presents an extreme fire hazard. Liquid very quickly evaporates, even at low temperatures, and forms vapor (fumes) which can catch fire and burn with explosive violence. Invisible vapor spreads easily and can be set on fire by ignition sources such as welding equipment, pilot lights, electrical motors, etc.

(c) Special protective equipment and precautions for fire-fighters: Shut off flow immediately if it can be done safely. Isolate the area from personnel. Keep personnel upwind from fire. Fire fighters should use appropriate Self-Contained Breathing Apparatus (SCBA) while in close proximity to fire and vapors coming from product. Move personnel upwind of any smoke or vapors. If the gas source cannot be shut off immediately, equipment and surfaces exposed to the fire should be cooled with water to prevent overheating and explosions.

In the event of fire and/or explosion, do not breathe fumes.

(d) Flammability/Explosivity: NFPA RATING: Health = 1 (Slight) (=3 if hydrogen sulfide is present)
Flammability = 4 (Severe)
Instability = 0 (Minimal)
(0-Minimal, 1-Slight, 2-Moderate, 3-Serious, 4-Severe)

(e) Hazardous Decomposition Products: Normal combustion forms carbon dioxide and water vapor; incomplete combustion may produce carbon monoxide. Oxides of nitrogen and sulfur may be formed

SECTION 6: ACCIDENTAL RELEASE MEASURES

(a) Personal precautions, Protective equipment, and Emergency procedures: Flammable gas and liquid releases may create an explosive atmosphere, ventilate area. Keep sources of ignition away (sparks/heat/open flame/oxidizing gas). Do not touch spilled liquid (frostbite/freeze burn hazard). Use of explosion-proof equipment is recommended."

(b) Methods and materials for containment and cleaning up: Follow the procedures recommended in Section 13
Potentially incompatible absorbents: none identified

Large Spills: Flammable. Contact emergency personnel. Stop leak if it is safe to do so. Move personnel upwind from spill. Spillages of liquid product will create a fire hazard and may form an explosive atmosphere. Beware of accumulation of gas in low area or contained areas. Properly ventilate area so that dangerous concentrations will not accumulate to create an explosive atmosphere.

SECTION 7: HANDLING AND STORAGE

(a) Precautions for safe handling: Use proper ventilation techniques. Be aware of ignition sources and remove them. Electrical equipment should only be used if it is intrinsically safe. Use explosion proof equipment. Avoid exposure to liquid.

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(b) **Conditions for safe storage, including any incompatibilities:** Store in a segregated and approved area. Keep containers tightly closed and sealed when not being used. Be aware that empty containers may still contain harmful vapors and residue. Do not smoke in the same area where product is stored. Store in a properly ventilated area. Be aware that harmful and/or explosive vapors can accumulate in the headspace of a tank. Avoid vapors when opening tank hatches and dome covers.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Components	Exposure Limits:		
	(a) OSHA PEL ¹	(a) ACGIH TLV ²	(a) IDLH ⁴
Propane	1,000 ppm (TWA)	NE	2,100 ppm
Butane (all isomers)	NE	1,000 ppm (C)	NE
Pentane (all isomers)	1,000 ppm (TWA)	1,000 ppm (TWA)	1,500 ppm
"Light aliphatic" (C ₇ – C ₉ aliphatic hydrocarbons; heptane)	NE	NE	NE
n-Hexane	500 ppm (TWA)	50 ppm (TWA) Skin	1,100 ppm
"Mid-range aliphatic" (C ₈ -C ₁₆ aliphatic hydrocarbons)	NE	NE	NE
Benzene	1 ppm (TWA) 5 ppm (STEL)	0.5 ppm (TWA) 2.5 ppm (STEL) Skin	500 ppm
Ethylbenzene	100 ppm (TWA)	20 ppm (TWA)	800 ppm
Toluene	200 ppm (TWA) 300 ppm (C)	20 ppm (TWA)	500 ppm
Xylene	100 ppm (TWA)	100 ppm (TWA) 150 ppm (STEL)	900 ppm
Carbon Dioxide	5,000 ppm (TWA) 30,000 ppm (STEL)	5,000 ppm (TWA)	40,000 ppm
Hydrogen sulfide	20 ppm (C)	1 ppm (TWA) 5 ppm (STEL)	100 ppm

Notes:

1. OSHA PEL are 8-hour TWA (Time-weighted average) concentrations unless otherwise noted. A ("C") designation denotes a ceiling limit, which should not be exceeded during any part of the working exposure unless otherwise noted. A Short-Term Exposure Limit (STEL) is defined as a 15-minute exposure, which should not be exceeded at any time during a workday.
2. Threshold Limit Values – TWA established by the ACGIH represents the TWA concentration for a conventional 8-hour workday and a 40-hour workweek, to which it is believed that nearly all workers may be repeatedly exposed, day after day, for a working lifetime without adverse effect; Short-Term Exposure Limit (TLV-STEL) represents a 15-minute TWA exposure that should not be exceeded at any time during a work day. ACGIH TLV's are for guideline purposes only and as such are not legal, regulatory limits for compliance purposes (ACGIH, 2014). The "Skin" notation refers to the potential significant contribution to the overall exposure by the cutaneous (skin) route.
3. The "immediately dangerous to life or health air concentration values (IDLHs)" are used by NIOSH as part of a respiratory selection criteria.
4. No exposure limits have been developed by the producer.



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(c) Appropriate engineering controls: Use exhaust to prevent airborne concentrations to increase above exposure limits. Keep away from ignition sources. Use intrinsically safe equipment.

Eye/face protection: Wear approved safety glasses/goggles with side shields and/or an appropriate full-face shield. All eye protection should be selected and worn in accordance with the OSHA eye and face protection guidelines outlined in 29 CFR 1910.132 and 1910.133.

Skin Protection: Wear chemical protective clothing e.g. gloves, aprons, boots to avoid contact with liquid. Flame retardant clothing should be worn when working on-site.

Respiratory protection: CAUTION: Flammability limits should be considered when assessing the need to expose personnel to concentrations requiring respiratory protection. A positive pressure air line with full-face mask and escape bottle or a self-contained breathing apparatus (SCBA) should be available in case of an emergency and cases when the TLV is exceeded. All respirators should be selected and worn in accordance with 29 CFR 1910.132 and 1910.134.

General hygiene considerations: Always observe good personal hygiene measures, such as washing after handling the material, and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties*	
	Solution:
(a) Appearance:	Colorless gas
(b) Odor:	Odorless to slight hydrocarbon
(c) Odor Threshold:	N/A
(d) pH:	Neutral
(e) Melting point/Freezing point:	N/A
(f) Boiling point/range:	-258 to -43 °F
(g) Flash Point:	N/A
(h) Evaporation rate:	Gas under normal conditions
(i) Flammability:	Flammable Gas
(j) LEL/UEL or LFL/UFL:	LEL 4% / UEL 15%
(k) Vapor pressure:	>760 @ 25 °C
(l) Vapor density:	0.6 (estimate)
(m) Relative density:	N/A
(n) Solubility: H ₂ O	Slight
(o) Partition coefficient:	N/A
(p) Auto-ignition temperature:	900 – 1,170 °F
(q) Decomposition temperature:	N/A
(r) Viscosity:	N/A
(s) Specific Gravity:	0.55 (estimate)

*Properties of this material will vary with actual composition.

SECTION 10: STABILITY AND REACTIVITY

(a) Reactivity: Liquid oxygen gives an explosive mixture when combined with liquid methane [NFPA 1991]. Contact of very cold liquefied gas with water may result in vigorous or violent boiling of the product and extremely rapid vaporization due to the large temperature differences involved. If the water is hot, there is the possibility that a liquid



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SAFETY DATA SHEET**Natural gas****Version 1.2 Revision Date: 9/24/2019**

"superheat" explosion may occur. Pressures may build to dangerous levels if liquid gas contacts water in a closed container [Handling Chemicals Safely 1980]. Involved in explosions when combined with especially powerful oxidizers such as bromine pentafluoride, chlorine trifluoride, chlorine, iodine, heptafluoride, dioxygenyl tetrafluoroborate, dioxygen difluoride, trioxxygen difluoride, nitrates, chlorates, peroxides, and liquid oxygen. Other violent reactions include, chlorine dioxide and nitrogen trifluoride.

(b) Chemical stability: Material is stable under normal conditions.

(c) Possibility of hazardous reactions: No data available.

(d) Conditions to avoid (e.g., static discharge, shock, or vibration): Excess heat, flame or sparks. Keep away from incompatible materials.

(e) Incompatible materials: Chlorine, bromine pentafluoride, chlorine dioxide, aluminum chloride, halogens and additional oxidizing agents. Avoid contact with acids.

(f) Hazardous decomposition products: Carbon dioxide, carbon monoxide.

(g) Hazardous Polymerization: None known to occur.

SECTION 11: TOXICOLOGICAL INFORMATION**(a) Information on likely routes of exposure:**

- **Inhalation:** Acts as a simple asphyxiant (unless hydrogen sulfide is present). Not expected to be a respiratory sensitizer. Vapors may cause dizziness or asphyxiation without warning. Some may be irritating if inhaled at high concentrations. Fire may produce irritating and/or toxic gases.
- **Accidental Ingestion:** Ingestion is unlikely to occur – contact with liquid can cause frostbite.
- **Skin contact:** Expanding gas may cause skin damage – contact with liquid can cause frostbite or chemical burns.
- **Eye contact:** Expanding gas may cause momentary freezing followed by swelling and slight irritation or damage.

(b) Symptoms related to physical, chemical and toxicological characteristics: Skin contact may cause dermal irritation/frostbite. High concentrations of hydrogen sulfide can be toxic. Hydrogen sulfide acts as a chemical asphyxiant by paralyzing the respiratory center.

(c) Delayed and immediate effects and also chronic effects from short- and long-term exposure: Chronic skin exposures can lead to dermatitis.

(d) Numerical measures of toxicity:

Acute Toxicity (Oral)			
Chemical	Tested % Weight	Model	LD ₅₀ Range (mg/kg bw)
C ₁ – C ₃	No data available		
n-Butane	No data available		
Pentanes	100	Rat	> 2,000 mg/kg
	100	Rat	28,710 mg/kg
C ₆ -C ₈ Aliphatic Hydrocarbons (minus n-hexane)	100	Rat	>5,000 - > 15,000 mg/kg
C ₈ -C ₁₆ Aliphatic Hydrocarbons	100	Mouse	>5,000 – 15,800 mg/kg
Benzene	100	Rat	3,306 mg/kg
Ethylbenzene	100	Rat	3,500 – 5,460 mg/kg

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Acute Toxicity (Oral)			
Chemical	Tested % Weight	Model	LD ₅₀ Range (mg/kg bw)
Toluene	100	Rat	1,640 – 7,500 mg/kg
Xylenes	100	Rat	3,523 – 8,600 mg/kg
Carbon dioxide	No data available		
Nitrogen	No data available		
Hydrogen Sulfide	70%	Rat	100 -215 mg/kg

Acute Toxicity (Dermal)			
Chemical	% Weight	Model	LD ₅₀ Range (mg/kg bw)
C ₁ – C ₃	No data available		
Butane	No data available		
Pentanes	100	Rabbit	3,000 mg/kg
n-Hexane	100	Rabbit	3,000 mg/kg
C ₆ -C ₈ Aliphatic Hydrocarbons (minus n-hexane)	100	Rabbit	> 2,920 - > 3,160 mg/kg
C ₈ -C ₁₆ Aliphatic Hydrocarbons	100	Rabbit & rat	> 2,000 mg/kg
C ₁₉ – C ₃₂ Aliphatic Hydrocarbons	100	Rat	> 2,000 mg/kg
Benzene	100	Rabbit	8,260 mg/kg
Ethylbenzene	100	Rabbit	17,800 mg/kg
Toluene	100	Rabbit	12,124 mg/kg
Xylene	100	Rabbit	43,000 mg/kg
Carbon dioxide	No data available		
Nitrogen	No data available		
Hydrogen sulfide	No data available		

Acute Toxicity (Inhalation)			
Chemical	% Weight	Model	LD ₅₀ Range
C ₁ – C ₃	-	Rat	>1,464 mg/L/15 min
n-Butane	-	Rat	658 mg/L
Pentanes	-	Rat	> 18 mg/L
n-Hexane	-	Rat	169 mg/L
C ₆ -C ₈ Aliphatic Hydrocarbons (minus n-hexane)	-	Rat	> 23 to > 33 mg/L
C ₈ -C ₁₆ Aliphatic Hydrocarbons	-	Rat	24 mg/L
C ₁₉ – C ₃₂ Aliphatic Hydrocarbons	-	Rat	> 5,000 mg/L
Benzene	-	Rat	31.9 mg/L
Ethylbenzene	No data available		
Toluene	-	Rat	>20 mg/L
Xylene	-	Rat	27.57 mg/L
Carbon dioxide	-	Rat	470,000 ppm
Nitrogen	No data available		
Hydrogen Sulfide	100%	Rat	380 – 1,500 mg/m ³

Skin corrosion and/or irritation:

Serious eye damage and/or eye irritation:

Moderately irritating to skin upon prolonged contact

Mild to moderate temporary irritation of the eyes upon direct contact



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Respiratory sensitization:	No data available
Skin sensitization:	No evidence of skin sensitization
Germ cell mutagenicity:	Evidence is generally negative
Reproductive toxicity:	Evidence is generally negative
Specific target organ toxicity (single exposure):	Asphyxiation, cardiac arrhythmia, CNS effects
Specific target organ toxicity (repeated exposure):	CNS Effects
Aspiration hazard:	Not likely

(e) Carcinogenicity:

Carcinogenicity				
Compound	ACGIH	IARC	NTP	OSHA
C₁ – C₃	Not classified	Not classified	Not listed	Not classified
Butane	Not classified	Not classified	Not listed	Not classified
Pentanes	Not classified	Not classified	Not listed	Not classified
n-Hexane	Not classified	Not classified	Not listed	Not classified
C₆-C₈ Aliphatic Hydrocarbons (minus n-hexane)	Not classified	Not classified	Not listed	Not classified
C₉-C₁₆ Aliphatic Hydrocarbons	Not classified	Not classified	Not listed	Not classified
C₁₉ – C₃₂ Aliphatic Hydrocarbons	Not classified	Not classified	Not listed	Not classified
Benzene	A1 – Confirmed Human Carcinogen	Group 1 – Carcinogenic to Humans	Known to be a human carcinogen	Carcinogen
Ethylbenzene	A3; Confirmed animal carcinogen with unknown relevance to humans.	Group 2B: Possibly carcinogenic to humans	Not listed	Not classified
Toluene	A4; Not classifiable as a human carcinogen.	Group 3 - Not classifiable as to its carcinogenicity to humans	Not listed	Not classified
Xylene	A4; Not classifiable as a human carcinogen.	Group 3 - Not classifiable as to its carcinogenicity to humans	Not listed	Not classified
Carbon dioxide	Not classified	Not classified	Not listed	Not classified
Nitrogen	Not classified	Not classified	Not listed	Not classified
Hydrogen sulfide	Not classified	Not classified	Not listed	Not classified

SECTION 12: ECOLOGICAL INFORMATION

(a) Ecotoxicity: Petroleum gases will readily evaporate from the surface and would not be expected to have significant adverse effects in the aquatic environment.

(b) Persistence and degradability: Hydrocarbon gases are inherently biodegradable and not likely to remain in solution long enough for biodegradation to be a significant loss process.



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(c) **Bioaccumulative potential:** Gas products readily evaporate.

(d) **Mobility in soil:** Petroleum gases will readily evaporate from the surface.

(e) **Other adverse effects:** Liquid release is only expected to cause localized freezing and other non-persistent environmental changes.

SECTION 13: DISPOSAL CONSIDERATIONS

It is the responsibility of the user to determine if disposal material is hazardous according to federal, state and local regulations. This material is a gas and would not typically be managed as a waste.

Containers should be completely used and emptied prior to discarding. Dispose in accordance with the federal, state, and local laws and regulations. Do not discharge into areas where there is a risk of forming explosive mixtures with air. Waste gas should be flared through a suitable burner with flash back arrestor.

SECTION 14: TRANSPORT INFORMATION

SHIPPING NAME:	Natural gas, compressed	IATA HAZARD CLASS:	2.1
DOT HAZARD CLASS:	2.1	UN-No:	UN 1971
DOT SHIPPING ID:	Not Required	RID/ADR CODES:	
PACKING GROUP:	NA	PACKING GROUP:	
LABEL:	Flammable Gas	HAZARD ID:	2.1

Emergency Response Guide: 115

SECTION 15: REGULATORY INFORMATION**CERCLA/SARA-Section 302**

This material does not contain chemicals subject to the reporting requirements of SARA Title III, Section 302

CERCLA/SARA-Section 311/312 (Title III Hazard Categories)

Acute Health	Yes
Chronic Health	No
Fire Hazard	Yes
Pressure Hazard	Yes
Reactive Hazard	No

US EPCRA (SARA Title III) Section 313-Toxic Chemical: De minimis concentration

Component	De minimis
Benzene	0.1%
Toluene	1.0%
Ethylbenzene	0.1%
Xylenes	1.0%
n-Hexane	1.0%



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EPA's Petroleum Exclusion applies to this material – (CERCLA 101(14)).

Canadian WHMIS Classification:

A: Compressed Gas



B1: Flammable Gas



HMIS® Hazard Rating: Health 1 (Slight)
 Flammability 4 (Severe)
 Reactivity 0 (Minimal)

California Proposition 65: Warning: This material may contain detectable quantities of the following chemicals, known to the State of California to cause cancer, birth defects or other reproductive harm, and which may be subject to the requirements of California Proposition 65 (CA Health & Safety Code Section 25249.5): ethyl benzene, benzene, and toluene.

Component Analysis - State

Component	CAS	CA	MA	MN	NJ	PA	RI
Natural gas	8006-14-2	No	Yes	No	No	Yes	No
Methane	74-82-8	No	Yes	Yes	Yes	Yes	Yes
Ethane	74-84-0	No	Yes	Yes	Yes	Yes	Yes
Propane	74-98-6	No	Yes	Yes	Yes	Yes	Yes
Benzene	71-43-2	Yes	Yes	Yes	Yes	Yes	Yes
Toluene	108-88-3	Yes	Yes	Yes	Yes	Yes	Yes
Ethylbenzene	100-41-4	Yes	Yes	Yes	Yes	Yes	Yes
Hydrogen sulfide	7783-06-4	Yes	Yes	Yes	Yes	Yes	Yes

National Chemical Inventories:

All components are either listed on the US TSCA Inventory or are not regulated under TSCA.
 All components are either on the DSL or are exempt from DSL listing requirements.

U.S. Export Control Classification Number: EAR99**SECTION 16: OTHER INFORMATION**

This Safety Data Sheet is authored pursuant to the OSHA Hazard Communication/HazCom 2012 Final Rule.

COMMON TERMS AND ACRONYMS:

ACGIH: American Conference of Governmental Industrial Hygienists
C: Ceiling Limit
CAS#: Chemical Abstracts System Number
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act
CNS: Central Nervous System
DOT: Department of Transportation
DSL: Domestic Substance List

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EC₅₀:	Effective concentration that inhibits the endpoint to 50% of control population
EINECS:	European List of Notified Chemical Substances
EPA:	U.S. Environmental Protection Agency
ESIS:	European Chemical Substances Information System
HMIS:	Hazardous Materials Identification System
IARC:	International Agency for Research on Cancer
IDLH:	Immediately Dangerous to Life and Health
IATA:	International Air Transport Association
IMDG:	International Maritime Dangerous Goods
LC₅₀:	Concentration of air resulting in death to 50% of experimental animals
LD₅₀:	Administered dose resulting in death to 50% of experimental animals
LEL:	Lower Explosive Limit
MSHA:	Mine Safety and Health Administration
NFPA:	National Fire Protection Association
NIOSH:	National Institute for Occupational Safety and Health
N/A:	Not Available
N/C:	Not Classified
N/D:	No data sufficient for classification
NE:	Not Established
NOAEC:	No Observed Adverse Effect Concentration
NTP:	National Toxicology Program
OECD:	Organisation for Economic Co-operation and Development
OSHA:	Occupational Safety and Health Administration
PEL:	Permissible Exposure Limit
PPE :	Personal Protective Equipment
RCRA:	Resource Conservation and Recovery Act
SARA:	Superfund Amendments and Reauthorization Act
SCBA:	Self-Contained Breathing Apparatus
STEL:	Short Term Exposure Limit
STP:	Standard Temperature and Pressure
TLV:	Threshold Limit Value
TSCA:	Toxic Substances Control Act
TWA:	Time Weighted Average
UEL:	Upper Explosive Limit
WHMIS:	Workplace Hazardous Materials Information System

Disclaimer:

The information presented herein has been compiled from sources considered to be dependable and is accurate and reliable to the best of our knowledge and belief, but it is not guaranteed to be so. Since conditions of use are beyond our control, we make no warranties, expressed or implied, except those that may be contained in our written contract of sale or acknowledgement.

Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material, even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in their use of the material.



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Date of SDS Revisions:

Version 1.2 – 9/24/2019 (HSER)

Version 1.1 – 5/24/2018 (EHS&R)

Date of SDS Preparation:

5/27/2015

SDS Prepared by:

Center for Toxicology and Environmental Health, LLC.

MARYLAND DEPARTMENT OF THE ENVIRONMENT

**AIR AND RADIATION ADMINISTRATION
APPLICATION FOR A PERMIT TO CONSTRUCT**

SUPPLEMENT A TO DOCKET # 11-23

COMPANY: Culpeper of Federalsburg

LOCATION: 2000 Industrial Park Drive
Federalsburg, MD 21632

APPLICATION: Installation of one (1) 34' x 64' double track kiln with a direct natural gas fired burner system.

ITEM

DESCRIPTION

1

Notice of Application and Opportunity to Request
an Informational Meeting

**DEPARTMENT OF THE ENVIRONMENT
AIR AND RADIATION ADMINISTRATION**

NOTICE OF APPLICATION AND INFORMATIONAL MEETING

The Maryland Department of the Environment, Air and Radiation Administration (ARA) received a permit-to-construct application from Culpeper of Federalsburg on February 16, 2023, for the installation of one (1) 34' x 64' double track kiln with a direct natural gas fired burner system. The proposed installation will be located at 2000 Industrial Park Drive, Federalsburg, MD 21632.

In accordance with HB 1200/Ch. 588 of 2022, the applicant provided an environmental justice (EJ) Score for the census tract in which the project is located using the Maryland EJ mapping tool. The EJ Score, expressed as a statewide percentile, was shown to be 66.38 which the Department has verified. This score considers three demographic indicators – minority population above 50%, poverty rate above 25% and limited English proficiency above 15%.

Copies of the application, the EJ mapping tool screening report (which includes the score), and other supporting documents are available for public inspection on the Department's website at <https://mde.maryland.gov/programs/Permits/AirManagementPermits/Pages/index.aspx> (click on Docket Number 11-23). Any applicant-provided information regarding a description of the environmental and socioeconomic indicators contributing to that EJ score can also be found at the listed website. Such information has not yet been reviewed by the Department. A review of the submitted information will be conducted when the Department undertakes its technical review of all documents included in the application.

Pursuant to the Environment Article, Section 1-603, Annotated Code of Maryland, an Informational Meeting has been scheduled so that citizens can discuss the application and the permit review process with the applicant and the Department.

A community informational meeting has been scheduled so that citizens can discuss the application and the permit with the applicant and the Department. The community informational meeting will be held virtually on November 28, 2023 at 6:30 p.m.

To attend the meeting, please register using the following link no later than November 27, 2023:

<https://forms.gle/9xtRc2Bx4No3k27h7>

Registered attendees will receive instructions on how to join the virtual meeting using a computer and internet connection or telephone.

The Department will provide an interpreter for deaf and hearing impaired persons provided that a request is made for such service at least ten (10) days prior to the meeting.

Further information may be obtained by calling Ms. Shannon Heafey at 410-537-4433.

Christopher R. Hoagland, Director
Air and Radiation Administration

MARYLAND DEPARTMENT OF THE ENVIRONMENT

**AIR AND RADIATION ADMINISTRATION
APPLICATION FOR A PERMIT TO CONSTRUCT**

**SUPPLEMENT B TO
DOCKET #11-23**

COMPANY: Culpeper of Federalsburg

LOCATION: 2000 Industrial Park Drive
Federalsburg, MD 21632

APPLICATION: Installation of one (1) 34' x 64' double track wood drying kiln with a direct natural gas fired burner system.

<u>ITEM</u>	<u>DESCRIPTION</u>
1	Notice of Tentative Determination, Opportunity to Request a Public Hearing, and Opportunity to Submit Written Comments
2	Fact Sheet and Tentative Determination
3	Draft Permit to Construct and Conditions
4	Supplemental Information References List - Additional information regarding wood usage and other operating data
5	Privilege Log Not Applicable.

**MARYLAND DEPARTMENT OF THE ENVIRONMENT
AIR AND RADIATION ADMINISTRATION**

**NOTICE OF TENTATIVE DETERMINATION, OPPORTUNITY TO REQUEST
A PUBLIC HEARING, AND OPPORTUNITY TO SUBMIT WRITTEN COMMENTS**

FIRST NOTICE

The Department of the Environment, Air and Radiation Administration (ARA) has completed its review of an application for a Permit to Construct submitted by Culpeper of Federalsburg on February 16, 2023 for the installation of one (1) 34' x 64' double track wood drying kiln with a direct natural gas fired burner system. The proposed installation will be located at 2000 Industrial Park Drive, Federalsburg, MD 21632.

Pursuant to Section 1-604, of the Environment Article, Annotated Code of Maryland, the Department has made a tentative determination that the Permit to Construct can be issued and is now ready to receive public comment on the application. Copies of the Department's tentative determination, the application, the draft permit to construct with conditions, and other supporting documents are available for public inspection on the Department's website. Look for Docket #11-23 at the following link:

<https://mde.maryland.gov/programs/Permits/AirManagementPermits/Pages/index.aspx>

In accordance with HB 1200/Ch. 588 of 2022, the applicant provided an environmental justice (EJ) Score for the census tract in which the project is located using the Maryland EJ mapping tool. The EJ Score, expressed as a statewide percentile, was shown to be 66.38, which the Department has verified. This score considers three demographic indicators – minority population above 50%, poverty rate above 25% and limited English proficiency above 15%. The Department's review of the environmental and socioeconomic indicators contributing to that EJ score is included in the tentative determination that is available for public inspection.

Interested persons may request a public hearing and/or submit written comments on the tentative determination. Requests for a public hearing must be submitted in writing and must be received by the Department no later than 20 days from the date of this notice. A requested public hearing will be held virtually using teleconference or internet-based conferencing technology unless a specific request for an in-person public hearing is received. Written comments must be received by the Department no later than 30 days from the date of this notice.

Interested persons may request an extension to the public comment period. The extension request must be submitted in writing and must be received by the Department no later than 30 days from the date of this notice or within 5 days after the hearing (if a hearing is requested), whichever is later. The public comment period may only be extended one time for a 60-day period.

All requests for a public hearing, requests for an extension to the public comment period, and all written comments should be directed to the attention of Ms. Shannon Heafey, Air Quality Permits Program by email to shannon.heafey@maryland.gov or by mail to the Air and Radiation Administration, 1800 Washington Boulevard, Baltimore, Maryland 21230.

Further information may be obtained by calling Ms. Shannon Heafey at 410-537-4433.

Christopher R. Hoagland, Director
Air and Radiation Administration

**MARYLAND DEPARTMENT OF ENVIRONMENT
AIR AND RADIATION ADMINISTRATION**

**FACT SHEET AND TENTATIVE DETERMINATION
CULPEPER OF FEDERALSBURG DBA RELIANCE TREATED WOOD**

PROPOSED INSTALLATION OF NATURAL GAS/PROPANE FIRED WOOD DRYING KILN

I. INTRODUCTION

The Maryland Department of the Environment (the "Department") received an application from Culpeper of Federalsburg on February 16, 2023 for a Permit to Construct for installation of one (1) 10 MMBtu/hr natural gas fired wood drying kiln. The proposed furnace will be located at 2000 Industrial Park Drive, Federalsburg, MD 21632.

A notice was placed in The Star Democrat Newspaper on October 18, 2023 and October 25, 2023 announcing an opportunity for the public to request an informational meeting. A request for an informational meeting was received.

A notice was placed in The Star Democrat Newspaper on November 15, 2023 and on November 22, 2023 announcing a scheduled informational meeting to discuss the application for a Permit to Construct. The meeting was conducted virtually on November 28, 2023. As required by law, all public notices were also provided to elected officials in all State, county, and municipality legislative districts located within a one-mile radius of the facility's property boundary.

The Department has reviewed the application and has made a tentative determination that the proposed installation is expected to comply with all applicable air quality regulations. A notice will be published to provide the public with opportunities to request a public hearing and to comment on the application, the Department's tentative determination, the draft permit conditions, and other supporting documents. The Department will not schedule a public hearing unless a legitimate request is received.

If the Department does not receive any comments that are adverse to the tentative determination, the tentative determination will automatically become a final determination. If adverse comments are received, the Department will review the comments, and will then make a final determination with regard to issuance or denial of the permit. A notice of final determination will be published in a newspaper of general circulation in the affected area. The final determination may be subject to judicial review pursuant to Section 1-601 of the Environment Article, Annotated Code of Maryland.

II. CURRENT STATUS AND PROPOSED INSTALLATION

A. Current Status

Culpeper of Federalsburg (dba Reliance Treated Wood) is a wood treating and processing facility in Federalsburg MD. The premises currently includes a wood treatment operation where the facility operates one chromate copper arsenate (CCA) wood preservation operation equipped with three pressure cylinders, installed in 1973.

B. Proposed Installation

The Permittee has applied for the installation of one (1) 10 MMBtu/hr natural gas fired wood drying kiln. The kiln will allow the Permittee to dry wood on premises, allowing them to cut down cost/time on purchasing dry wood for treatment. The kiln is manufactured by SII Kiln Manufacturer. The estimated annual amount of wood to be dried in the kiln is 15,000 tons of wood per year.

III. APPLICABLE REGULATIONS

The proposed installation is subject to all applicable Federal and State air quality control regulations, including, but not limited to the following:

- (a) COMAR 26.11.02.19C & D, which require that the Permittee submit to the Department annual certifications of emissions, and that the Permittee maintain sufficient records to support the emissions information presented in the submittals.
- (b) COMAR 26.11.06.02C(1), which limits visible emissions to 20% opacity other than uncombined water.
- (c) COMAR 26.11.06.03B(1), which limits the concentration of particulate matter in any exhaust gases to not more than 0.05 grains per standard cubic foot of dry exhaust gas.
- (d) COMAR 26.11.06.03C and D, which requires that the Permittee take reasonable precautions to prevent particulate matter from unconfined sources and materials handling and construction operations from becoming airborne.
- (e) COMAR 26.11.06.08 and 26.11.06.09, which generally prohibit the discharge of emissions beyond the property line in such a manner that a nuisance or air pollution is created.

IV. GENERAL AIR QUALITY

The U.S. Environmental Protection Agency (EPA) has established primary and secondary National Ambient Air Quality Standards (NAAQS) for six (6) criteria pollutants, i.e., sulfur dioxide, particulate matter, carbon monoxide, nitrogen dioxide, ozone, and lead. The primary standards were established to protect public health, and the secondary standards were developed to protect against non-health effects such as damage to property and vegetation.

The Department utilizes a statewide air monitoring network, operated in accordance with EPA guidelines, to measure the concentrations of criteria pollutants in Maryland's ambient air. The measurements are used to project statewide ambient air quality, and currently indicate that Caroline County complies with the NAAQS for sulfur dioxide, particulate matter, carbon monoxide, nitrogen dioxide, ozone, and lead.

With regard to toxic air pollutants (TAPs), screening levels (i.e., acceptable ambient concentrations for toxic air pollutants) are generally established at 1/100 of allowed worker exposure levels (TLVs)¹. The Department has also developed additional screening levels for carcinogenic compounds. The additional screening levels are established such that continuous exposure to the subject TAP at the screening level for a period of 70 years is expected to cause an increase in lifetime cancer risk of no more than 1 in 100,000.

V. ENVIRONMENTAL JUSTICE ANALYSIS

The concept behind the term environmental justice (EJ) is that regardless of race, color, national origin, or income, all Maryland residents and communities should have an equal opportunity to enjoy an enhanced quality of life. How to assess whether equal protection is being applied is the challenge.

Communities surrounded by a disproportionate number of polluting facilities puts residents at a higher risk for health problems from environmental exposures. It is important that residents who may be adversely affected by a proposed source be aware of the current environmental issues in their community in order to have meaningful involvement in the permitting process. Resources may be available from government and private entities to ensure that community health is not negatively impacted by a new source located in the community.

¹ TLVs are threshold limit values (exposure limits) established for toxic materials by the American Conference of Governmental Industrial Hygienists (ACGIH). Some TLVs are established for short-term exposure (TLV – STEL), and some are established for longer-term exposure (TLV – TWA), where TWA is an acronym for time-weight average.

Extensive research has documented that health disparities exist between demographic groups in the United States, such as differences in mortality and morbidity associated with factors that include race/ethnicity, income, and educational attainment.

The Maryland General Assembly passed HB 1200, effective October 1, 2022, that adds to MDE's work incorporating diversity, equity and inclusion into our mission to help overburdened and underserved communities with environmental issues. In accordance with HB 1200/Ch. 588 of 2022, the applicant provided an environmental justice (EJ) Score for the census tract in which the proposed source is located using the Maryland EJ mapping tool. The EJ Score, expressed as a statewide percentile, was shown to be 66.38 which the Department has verified. This score considers three demographic indicators – minority population above 50%, poverty rate above 25% and limited English proficiency above 15%. To account for other sources of pollution surrounding the proposed source, the Department conducted an additional EJ Score analysis to evaluate the impact of other sources located within 1 mile of the proposed source. The highest EJ Score for census tracts located within 1 mile of the facility, expressed as a statewide percentile, was shown to be 66.38.

An EJ Score of 66.38 indicates that the proposed installation is located in an area that is not disproportionately impacted by sources of pollution or at a higher risk of health problems from environmental exposures than other areas in Maryland. The Department has reviewed the air quality impacts from this proposed installation and has determined that the proposed installation will meet all applicable air quality standards.

VI. COMPLIANCE DEMONSTRATION AND ANALYSIS

The proposed installation must comply with all State imposed emissions limitations and screening levels, as well as the NAAQS. The Department has conducted an engineering and air quality review of the application. The emissions were projected based on the potential fuel usage of the kiln and U.S. EPA approved emissions factors for natural gas combustion. The U.S. EPA's Screen model was used to project the maximum ground level concentrations from the proposed facility, which were then compared to the screening levels and the NAAQS.

- A. Estimated Emissions** - The maximum emissions of air pollutants of concern from the proposed installation are listed in Table I.
- B. Compliance with National Ambient Air Quality Standards** - The maximum ground level concentrations for sulfur dioxide, particulate matter, carbon monoxide, and nitrogen dioxide based on the emissions from the proposed kiln are listed in column 2 of Table II. The combined impact of the projected contribution from the proposed installation and the ambient background concentration for each pollutant shown in column 3 of Table II is less than the NAAQS for each pollutant shown in column 4.

VII. TENTATIVE DETERMINATION

Based on the above information, the Department has concluded that the proposed installation will comply with all applicable Federal and State air quality control requirements. In accordance with the Administrative Procedure Act, Department has made a tentative determination to issue the Permit to Construct. Enclosed with the tentative determination is a copy of the draft Permit to Construct.

TABLE I
PROJECTED MAXIMUM EMISSIONS FROM THE PROPOSED INSTALLATION

POLLUTANT	PROJECTED MAXIMUM EMISSIONS FROM PROPOSED INSTALLATION	
	(lbs/day)	(tons/year)
Nitrogen Dioxide (NO ₂)	23.5	4.3
Sulfur Dioxide (SO ₂)	0.14	0.03
Carbon Monoxide (CO)	19.8	3.6
Volatile Organic Compounds (VOC)	1.3	0.2
Particulate Matter (PM ₁₀)	1.8	0.3

TABLE II
PROJECTED IMPACT OF EMISSIONS OF CRITERIA POLLUTANTS FROM THE PROPOSED INSTALLATION ON AMBIENT AIR QUALITY

POLLUTANTS	MAXIMUM OFF-SITE GROUND LEVEL CONCENTRATIONS CAUSED BY EMISSIONS FROM PROPOSED PROCESS (µg/m ³)	BACKGROUND AMBIENT AIR CONCENTRATIONS (µg/m ³)*	NATIONAL AMBIENT AIR QUALITY STANDARDS (NAAQS) (µg/m ³)
Nitrogen Dioxide (NO ₂)	annual avg.→ 13	annual avg.→ 12	annual avg.→ 100
Carbon Monoxide (CO)	8-hour max→ 94 1-hour max → 135	8-hr max.→ 805 1-hr max.→ 1265	8-hr max.→ 10,000 1-hr max.→ 40,000
Sulfur Dioxide (SO ₂)	24-hour max. → 0.4 annual avg. → 0.07	24-hour max.→ 21 annual avg.→ 2	24-hour max.→ 366 annual avg.→ 78.5
Particulate Matter (PM ₁₀)	24-hr max → 5	24-hr max.→ 20	24-hr max.→ 150

*Background concentrations were obtained from Maryland air monitoring stations as follows:

NO₂, CO → HU-Beltsville Monitoring Station in Prince George's County

SO₂ → Riviera Beach Monitoring Station in Anne Arundel County

PM₁₀ → Anne Arundel County Department of Public Works Monitoring Station in Anne Arundel County

DRAFT PERMIT

Wes Moore

Serena McIlwain

Air and Radiation Administration

1800 Washington Boulevard, Suite 720
Baltimore, MD 21230

☒ Construction Permit

☐ Operating Permit

PERMIT NO.:
011-0107-6-0058

DATE ISSUED:

PERMIT FEE:
\$1500.00

EXPIRATION DATE:

LEGAL OWNER & ADDRESS

Culpeper of Federalsburg
dba Reliance Treated Wood
2000 Industrial Park Rd
Federalsburg, MD 21632
Attention: Tom Spicer

SITE

Culpeper of Federalsburg
dba Reliance Treated Wood
2000 Industrial Park Rd,
Federalsburg, MD 21632
AI # 214

SOURCE DESCRIPTION

Installation of one (1) wood drying kiln equipped with a natural gas fired burner rated at 10 MMBtu/hr.

This source is subject to the conditions described on the attached pages.

Program Manager

Director, Air and Radiation Administration

CULPEPER OF FEDERALSBURG
PERMIT-TO-CONSTRUCT CONDITIONS
PERMIT No. 011-0107-6-0058

INDEX

- Part A – General Provisions
- Part B – Applicable Regulations
- Part C – Construction and Operating Conditions
- Part D – Record Keeping and Reporting
- Part E – Temporary Permit to Operate Conditions

This permit to construct is issued to cover the following registered installation:

ARA Registration Number	Description	Date of Installation
011-0107-6-0058	One (1) natural gas fired, wood drying kiln equipped with one (1) burner rated at 10 million Btu per hour.	March 2024

Part A – General Provisions

- (1) The following Air and Radiation Administration (ARA) permit-to-construct applications and supplemental information are incorporated into this permit by reference:
 - (a) Application for Processing or Manufacturing Equipment (Form 5) received February 16, 2023.
 - (b) Supplemental Information – Emissions calculations, material safety data sheets, and vendor specifications received February 16, 2023.

If there are any conflicts between representations in this permit and representations in the applications, the representations in the permit shall govern. Estimates of dimensions, volumes, emissions rates, operating rates, feed rates and hours of operation included in the applications do not constitute enforceable numeric limits beyond the extent necessary for compliance with applicable requirements.

- (2) Upon presentation of credentials, representatives of the Maryland Department of the Environment (“MDE” or the “Department”) and the Caroline County Health Department shall at any reasonable time be granted, without delay and without prior notification, access to the Permittee’s property and permitted to:
 - (a) inspect any construction authorized by this permit;
 - (b) sample, as necessary to determine compliance with requirements of this permit, any materials stored or processed on-site, any waste materials, and any discharge into the environment;

**CULPEPER OF FEDERALSBURG
PERMIT-TO-CONSTRUCT CONDITIONS
PERMIT No. 011-0107-6-0058**

- (c) inspect any monitoring equipment required by this permit;
 - (d) review and copy any records, including all documents required to be maintained by this permit, relevant to a determination of compliance with requirements of this permit; and
 - (e) obtain any photographic documentation or evidence necessary to determine compliance with the requirements of this permit.
- (3) The Permittee shall notify the Department prior to increasing quantities and/or changing the types of any materials referenced in the application or limited by this permit. If the Department determines that such increases or changes constitute a modification, the Permittee shall obtain a permit-to-construct prior to implementing the modification.
- (4) Nothing in this permit authorizes the violation of any rule or regulation or the creation of a nuisance or air pollution.
- (5) If any provision of this permit is declared by proper authority to be invalid, the remaining provisions of the permit shall remain in effect.

Part B – Applicable Regulations

- (1) This source is subject to all applicable federal air pollution control requirements.
- (2) This source is subject to all applicable federally enforceable State air pollution control requirements including, but not limited to, the following regulations:
- (a) COMAR 26.11.02.04B, which states that a permit to construct or an approval expires if, as determined by the Department:
 - (i) Substantial construction or modification is not commenced within 18 months after the date of issuance of the permit or approval, unless the Department specifies a longer period in the permit or approval;
 - (ii) Construction or modification is substantially discontinued for a period of 18 months after the construction or modification has commenced; or
 - (iii) The source for which the permit or approval was issued is not completed within a reasonable period after the date of issuance of the permit or approval.

**CULPEPER OF FEDERALSBURG
PERMIT-TO-CONSTRUCT CONDITIONS
PERMIT No. 011-0107-6-0058**

- (b) COMAR 26.11.02.09A, which requires that the Permittee obtain a permit-to-construct if an installation is to be modified in a manner that would cause changes in the quantity, nature, or characteristics of emissions from the installation as referenced in this permit.
 - (c) COMAR 26.11.06.02C(1), which limits visible emissions to 20% opacity other than uncombined water.
 - (d) COMAR 26.11.06.03B(1), which limits the concentration of particulate matter in any exhaust gases to not more than 0.05 grains per standard cubic foot of dry exhaust gas.
 - (e) COMAR 26.11.06.03C and D, which requires that the Permittee take reasonable precautions to prevent particulate matter from unconfined sources and materials handling and construction operations from becoming airborne.
- (3) This source is subject to all applicable State-only enforceable air pollution control requirements including, but not limited to, the following regulations:
- COMAR 26.11.06.08 and 26.11.06.09, which generally prohibit the discharge of emissions beyond the property line in such a manner that a nuisance or air pollution is created.

Part C – Construction and Operating Conditions

- (1) Except as otherwise provided in this part, the installation of the natural gas fired wood drying kiln shall be constructed and operated in accordance with specifications included in the application and any operating procedures recommended by equipment vendors unless the Permittee obtains from the Department written authorization for alternative operating procedures.
- (2) The wood drying kiln shall be fired by natural gas only unless the Permittee obtains an approval from the Department to burn alternate fuels.
- (3) The wood drying kiln shall be used to remove moisture from natural green wood only. Processing of treated wood or treated wood products is prohibited.
- (4) Fugitive dust generated from unconfined sources and wood products materials handling shall be controlled, as necessary, by using water or approved chemical dust suppressants or a combination, thereof.

**CULPEPER OF FEDERALSBURG
PERMIT-TO-CONSTRUCT CONDITIONS
PERMIT No. 011-0107-6-0058**

Part D – Record Keeping and Reporting

The Permittee shall maintain for at least five (5) years, and shall make available to the Department upon request, records of the following information:

- (a) Total number of cords processed per load and number of loads processed per year.
- (b) Total annual natural gas usage for the kiln.

Part E – Temporary Permit-to-Operate Conditions

- (1) This permit-to-construct shall also serve as a temporary permit-to-operate that confers upon the Permittee authorization to operate the wood drying kiln for a period of up to 180 days after the issue date of this permit to construct.
- (2) During the effective period of the temporary permit-to-operate the Permittee shall operate the new installation as required by the applicable terms and conditions of this permit-to-construct, and in accordance with operating procedures and recommendations provided by equipment vendors.
- (3) The Permittee shall submit to the Department an application for a State permit-to-operate no later than 60 days prior to expiration of the effective period of the temporary permit-to-operate.

MARYLAND DEPARTMENT OF THE ENVIRONMENT

AIR AND RADIATION ADMINISTRATION

SUPPLEMENTAL INFORMATION REFERENCES

The Code of Maryland Regulations (COMAR) is searchable by COMAR citation at the following Division of State Documents website:

<http://www.dsd.state.md.us/COMAR/ComarHome.html>

The Code of Federal Regulations (CFR), including New Source Performance Standards (NSPS) at 40 CFR, Part 60 and National Emission Standards for Hazardous Air Pollutants (NESHAP) at 40 CFR, Parts 61 and 63, is searchable by CFR citation at the following U.S. Government Publishing Office website:

<http://www.ecfr.gov>

Information on National Ambient Air Quality Standards (NAAQS) is located at the following U.S. Environmental Protection Agency (EPA) website:

<https://www.epa.gov/criteria-air-pollutants/naaqs-table>

Information on Maryland's Ambient Air Monitoring Program is located at the following Maryland Department of the Environment website:

<http://mde.maryland.gov/programs/Air/AirQualityMonitoring/Pages/index.aspx>

Information on the U.S. EPA's Screen3 computer model and other EPA-approved air dispersion models is located at the following U.S. EPA website:

http://www.epa.gov/scram001/dispersion_screening.htm

Information on the U.S. EPA TANKS Emission Estimation Software is located at the following U.S. EPA website:

<http://www.epa.gov/ttn/chief/software/tanks/index.html>

Information on the U.S. EPA Emission Factors and AP-42 is located at the following U.S. EPA website:

<https://www.epa.gov/air-emissions-factors-and-quantification/ap-42-compilation-air-emission-factors>



Shazidul Mrida -MDE- <shazidul.mrida@maryland.gov>

Culpeper of Federalsburg - Permit to Construct Application

5 messages

Shazidul Mrida -MDE- <shazidul.mrida@maryland.gov>

Wed, Nov 29, 2023 at 11:17 AM

To: "Nagel, Larry" <lnagel@culpeperwood.com>, Tom Spicer <tspicer@culpeperwood.com>

Cc: Mario Cora -MDE- <mario.cora@maryland.gov>, Suna Sariscak -MDE- <suna.sariscak@maryland.gov>

Good morning Mr. Nagel,

Thank you for participating in the public informational meeting last night. Now that we are moving on to the technical review of the application, I have a few questions that I will need answers to in order to continue the review process.

1. What is the maximum load capacity in tons per batch or cubic feet per batch for the direct fired kiln?
2. What is the annual maximum amount that will be processed by the kiln in tons per year or cubic feet per year?
3. Now that you will be drying your own wood prior to treatment in the existing treatment process, will there be an increase in the total amount of wood treated at your facility? If so, what is the increase? What is the total maximum amount of wood that can be treated in the 3 wood treatment cylinders?

Please let me know this information at your earliest convenience so that MDE can move forward with processing the permit. We may ask additional questions if deemed necessary from further technical review of the application. If you have any questions please reach out to me.

Thanks,
Sam

--

Shazidul Mrida (Sam)

Regulatory & Compliance Engineer III
Air Quality Permits Program
Air and Radiation Administration
Maryland Department of the Environment
1800 Washington Boulevard
Baltimore, Maryland 21230
shazidul.mrida@maryland.gov
410-537-3609 (O)
443-929-2285 (M)
[Website](#) | [Facebook](#) | [Twitter](#)

Nagel, Larry <lnagel@culpeperwood.com>

Wed, Nov 29, 2023 at 12:15 PM

To: Shazidul Mrida -MDE- <shazidul.mrida@maryland.gov>

Hello, so roughly 150 tons per charge, which would be roughly 15,000 tons per year. This does not increase the treating per day or year then what is already being done. This allows us to have more stock in dry poles so if another plant breaks down or down for maintenance we still have material. Also gives the local saw mills somewhere local to deliver.

Larry Nagel

Yard Foreman and Driver

CWP - Federalsburg | www.culpeperwood.com

lnagel@culpeperwood.com

P: (866) 490-2958 | F: (410)-754-0567



The Trusted Brand in Pressure Treated Lumber

From: Shazidul Mrida -MDE- <shazidul.mrida@maryland.gov>

Sent: Wednesday, November 29, 2023 11:18 AM

To: Nagel, Larry <lnagel@culpeperwood.com>; Spicer, Tom <TSpicer@culpeperwood.com>

Cc: Mario Cora -MDE- <mario.cora@maryland.gov>; Suna Sariscak -MDE- <suna.sariscak@maryland.gov>

Subject: Culpeper of Federalsburg - Permit to Construct Application

CAUTION! - [EXTERNAL] - This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe!!!

[Quoted text hidden]

[Click here](#) to complete a three question customer experience survey.

Shazidul Mrida -MDE- <shazidul.mrida@maryland.gov>

Wed, Dec 13, 2023 at 9:43 AM

To: "Nagel, Larry" <lnagel@culpeperwood.com>

Hi Mr. Nagel,

Thank you very much for providing the information. The application is complete and we will be drafting the PTC conditions and other documents shortly. If you can, please reach out to the Kiln manufacturer and see if you can get an estimate on what the maximum capacity of the kiln (tons per year) would be that would be greatly appreciated.

Thanks,

Sam

[Quoted text hidden]

Nagel, Larry <lnagel@culpeperwood.com>

Wed, Dec 13, 2023 at 11:17 AM

To: Shazidul Mrida -MDE- <shazidul.mrida@maryland.gov>

Hey yes I emailed you the tons in this email before. it is 150 tons is what the kiln will hold so 15,000 tons per year.

[Quoted text hidden]

Shazidul Mrida -MDE- <shazidul.mrida@maryland.gov>

Wed, Dec 13, 2023 at 12:00 PM

To: "Nagel, Larry" <lnagel@culpeperwood.com>

Hi Mr. Nagel,

Thank you so much for confirming. I will reach out to you once the permit draft is completed and internally reviewed. Then Culpeper can review the permit to construct conditions and let me know if you have any comments or concerns.

In the meantime, let me know if you have any questions or concerns.

Thanks,

Sam

[Quoted text hidden]