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.

ITEM	DESCRIPTION
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

Maryland Department of the Environment

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.

Maryland Department of the Environment

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.

Maryland

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

FW: EJ Score culpeper

4 messages

Nagel, Larry <lnagel@culpeperwood.com> Thu, May 25, 2023 at 2:29 PM
To: "shazidul.mrida@maryland.gov" <shazidul.mrida@maryland.gov>

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

CULPEPER
MARINE DIVISION

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 Percent Tract Only	29.80
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

Federalsburg, Md
PRIDE IN THE PAST ★ FAITH IN THE FUTURE

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

William Newsome

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]

	Minimum Lot				Minimum Yards				Maximum Height	
Use	Total (square feet)	Per Family	Width[3] (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[4]	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[4]	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[2]	10	25	12	40	3
MS-1 Medical Services	8,000	8,000 —	80	100	35	10	20	35	35	2½ 3
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:

[1] See § 245-114, Two-family dwellings and townhouses.

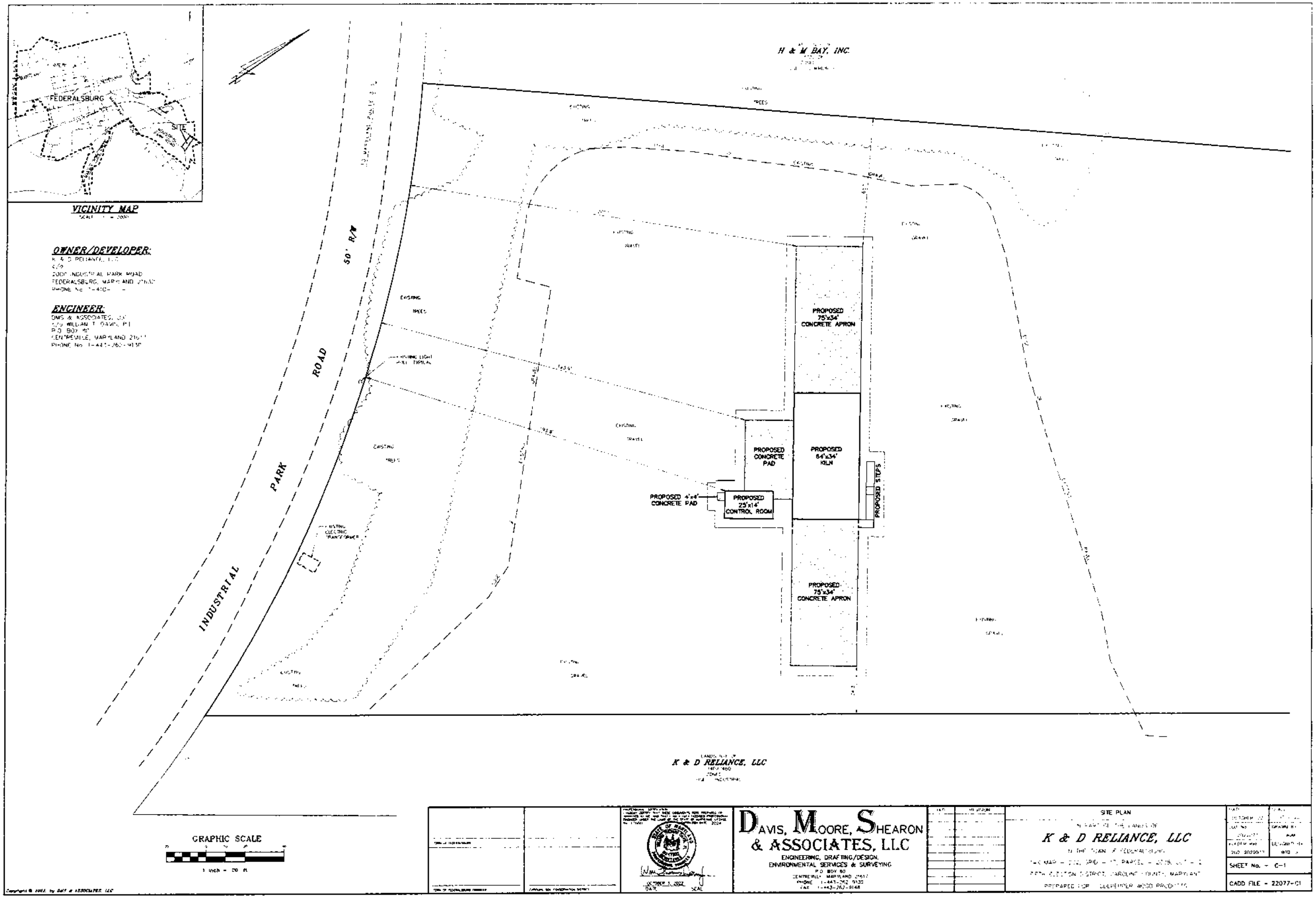
[2] There shall be a ten-foot landscaped space between the official curbline and any commercial structure or parking lot.

[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.


VICINITY MAP
FEDERALSBURG
SITE
OWNER/DEVELOPER:
ENGINEER:
GRAPHIC SCALE
1 inch = 20 ft.
H & M BAY, INC.
K & D RELIANCE, LLC
INDUSTRIAL PARK ROAD
50' R/W
EXISTING TREES
EXISTING GRAVEL
PROPOSED 75'x34' CONCRETE APRON
PROPOSED 64'x34' KILN
PROPOSED 75'x34' CONCRETE APRON
PROPOSED CONCRETE PAD
PROPOSED 25'x14' CONTROL ROOM
PROPOSED 4'x4' CONCRETE PAD
PROPOSED STEPS
DAVIS, MOORE, SHEARON & ASSOCIATES, LLC
ENGINEERING, DRAFTING/DESIGN, ENVIRONMENTAL SERVICES & SURVEYING
SITE PLAN
K & D RELIANCE, LLC
SHEET No. - C-1
CADD FILE - 22077-C1

RECEIVED
FEB 16 2023
By

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
Culpeper of Federalsburg

Mailing Address/Street
2000 Ind. Park Drive

City Federalsburg State MD Zip Code 21632

Telephone Number 410 754-0501

Print Name/Title
Thomas W. Shreve Jr Manager

Signature: Date:

DO NOT WRITE IN THIS BOX

2. Registration Number
County No. (1-2) Premises No. (3-6)
Registration Class (7) Equipment No. (6-11)
Data Year (12-13) Application Date

1B. Equipment Location (if different from above give Street Number and Name, City, State, Zip and Telephone Number):
Same as above

Premises Name (if different from above):

3. Status

A= New Equipment B= Modification to Existing Equipment C= Existing Equipment	Status (15)	New Construction Began (MM/YY) (16-19)	New Construction Completed (MM/YY) (20-23)	Existing Initial Operation (MM/YY) (20-23)
	A			

4. Describe this Equipment (Make, Model, Features, Manufacturer, etc.): 34 X 64' Natural Gas Direct Fire Kiln
SII Dry Kilns, Lexington, NC 27293

5. Workmen's Compensation Coverage: Binder/Policy Number: WC15893634

Company Name: New Hampshire Ins. Co. Expiration Date 4/1/23

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: 1

7. Person Installing this Equipment (if different from above give Name/Title, Company Name, Mailing Address and Telephone Number): The site Prep and ground work is out For Bid at this time

8. Major Activity, Product or Service of Company at this Location:
The transport of Pressure treated piling, Poles and Lumber to Contractor

9. Control Devices Associated with this Equipment

None	Simple/Multiple Cyclones	Spray/Adsorb Tower	Venturi Scrubber	Carbon Adsorber	Electrostatic Precipitator	Bag-house
☒ (24-0)	☐ (24-1)	☐ (24-2)	☐ (24-3)	☐ (24-4)	☐ (24-5)	☐ (24-6)

Thermal/Catalytic Afterburner ☐ (24-7) Dry Scrubber ☐ (24-8) Other ☐ (24-9) Describe

Form number: 11
Revision date: 09/27/2002
TTY Users 1-800-735-2258

Recycled Paper

OIL-1000 GALLONS [ ] 26-31 | SULFUR % [ ] 32-33 | GRADE [ ] 34 | NATURAL GAS-1000 FT³ [8760] 35-41 | LP GAS-100 GALLONS [ ] 42-45 | GRADE [ ]

COAL- TONS [ ] 46-52 | SULFUR % [ ] 53-55 | ASH% [ ] 56-58 | WOOD-TONS [ ] 59-63 | MOISTURE % [ ] 64-65

OTHER FUELS _____ (Specify Type) [ ] 66-1 | ANNUAL AMOUNT CONSUMED _____ (Specify Units of Measure) | OTHER FUEL _____ (Specify Type) [ ] 66-2 | ANNUAL AMOUNT CONSUMED _____ (Specify Units of Measure)

1= Coke 2= COG 3=BFG 4=Other

11. Operating Schedule (for this equipment)

Comfort/Space Heating Only [ ] 67-1 | Process Heat Only [X] 67-2 | Percent Process Heat [ ] 68-69 | Oil Burner Type [ ] 70 (1=Pressure Gun 2=Air Atomizer 3=Steam Atomizer 4=Rotary Cup) | Coal Burner Type [ ] 71 (1=Cyclone 2=Stoker 3=Pulverize 4=Hand Fire)

SEASONAL VARIATION IN OPERATION (PERCENT):

Days Per Week [7] 72 | Days Per Year [365] 73-75 | None [X] 76 | Winter [ ] 77-78 | Spring [ ] 79-80 | Summer [ ] 81-82 | Fall [ ] 83-84

12. Exhaust Stack Information

Height Above Ground (ft) [25] 86-88 | Inside Diameter at Top (inches) [60] 89-91 | Exit Temperature (°F) [450] 92-95 | Exit Velocity (ft/sec) [6] 96-98

13. Total Stack Emissions (for this equipment only) in Pounds Per Operating Day

Particulate Matter [2] 99-104 | Oxides of Sulfur [1] 105-110 | Oxides of Nitrogen [24] 111-116

Carbon Monoxide [21] 117-122 | Volatile Organic Compounds [2] 123-128 | PM-10 [2] 129-134

14. Method Used to Determine Emissions (1=Estimate, 2=AP42, 3=Stack Test, 4=Other Emission Factor)

TSP [2] 165 | SOx [2] 166 | NOx [2] 167 | CO [2] 168 | VOC [2] 169 | PM10 [2] 170

15. What is the Maximum Rated Heat Input of this Unit (Million Btu/hr)? 1.6 Million

Air and Radiation Management Administration Use Only

16. Date Rec'd Local_____ Date Rec'd State_____

Return to Local Jurisdiction Date _____ By _____

Rev'd by Local Jurisdiction: Date _____ By _____ Rev'd by State: Date_____ By _____

Acknowledgement Sent by State: Date _____ By _____

17. Inventory Date (MM/YY) [ ] 171-174 | SCC Code [ ] 178-185

18. Annual Operating Rate [ ] 186-192 | Maximum Design Hourly Rate [ ] 193-199

Permit to Operate Month [ ] 200-201 | Transaction Date [ ] 202-207 | Staff Code [ ] 208-210 | VOC [ ] 211 212 | SIP Code [ ] 213 214

Regulation Code [ ] 215-218 | Confidentiality [ ] 219

Point Description [ ] 220-238 | Action [ ] 239 (A: Add C: Change)

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

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 :	

INSURED
Jefferson Homebuilders, Inc.
Culpeper Wood Preservers
P O Box 1148
Culpeper, VA 22701

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 INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY							
	CLAIMS-MADE X OCCUR			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
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$ 2,000,000
	X POLICY PRO-JECT LOC						PRODUCTS - COMP/OP AGG	$ 2,000,000
	OTHER:							$
A	AUTOMOBILE LIABILITY							
	X ANY AUTO			CA4489631	4/1/2022	4/1/2023	COMBINED SINGLE LIMIT (Ea accident)	$ 2,000,000
	OWNED AUTOS ONLY / SCHEDULED AUTOS						BODILY INJURY (Per person)	$
	X HIRED AUTOS ONLY / X NON-OWNED AUTOS ONLY						BODILY INJURY (Per accident)	$
							PROPERTY DAMAGE (Per accident)	$
								$
B	UMBRELLA LIAB X OCCUR							
	X EXCESS LIAB CLAIMS-MADE			SXS005638902.	4/1/2022	4/1/2023	EACH OCCURRENCE	$ 5,000,000
	DED RETENTION $						AGGREGATE	$ 5,000,000
								$
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY						X PER STATUTE / OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y/N (Mandatory in NH)	N/A		WC15893634	4/1/2022	4/1/2023	E.L. EACH ACCIDENT	$ 1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						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

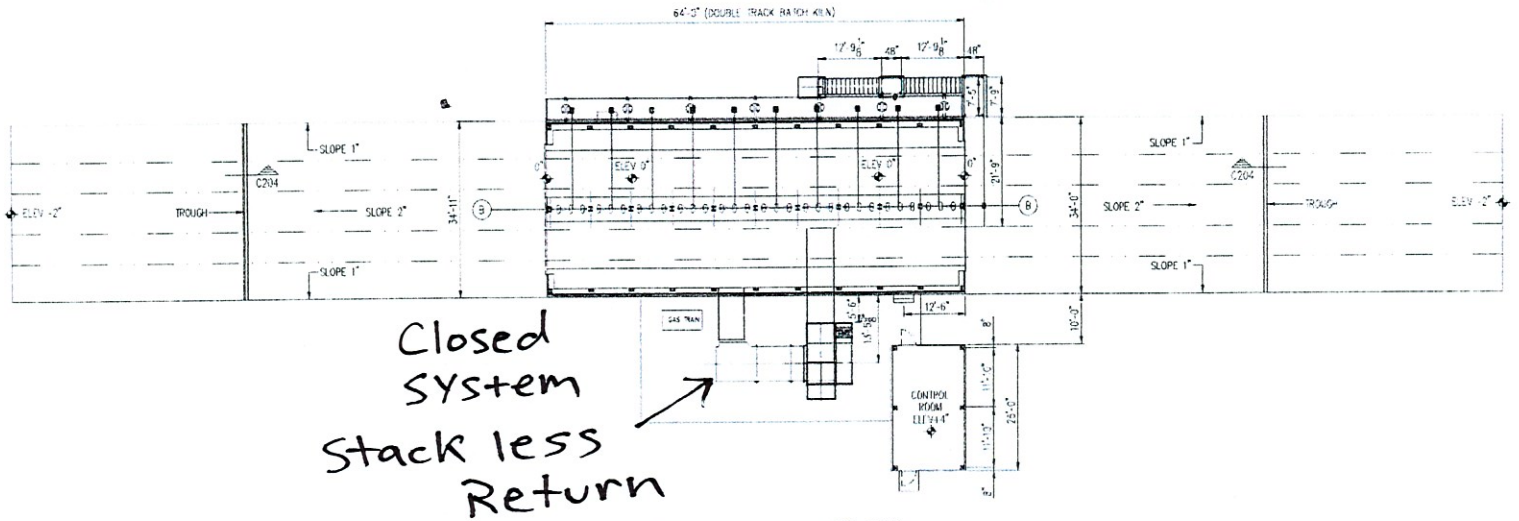
Maryland Department of the Environment
1800 Washington Blvd
Baltimore, MD 21230

CANCELLATION

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

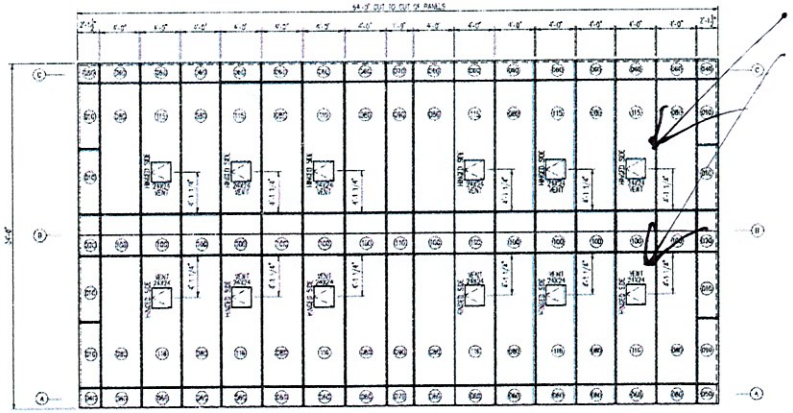
AUTHORIZED REPRESENTATIVE
Stephen J. Giampietro

ACORD 25 (2016/03)



101 KEY PLAN

SCALE: NOT TO SCALE



NOTE: VENTS HAVE A 27" x 27" NET OPENING

DOUBLE TRACK BATCH KILN #1

102 ROOF PLAN

SCALE: NOT TO SCALE

SII
DRY KILNS

P.O. DRAWER
LEXINGTON, NC 27295
336/787-7146

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

DRAWN BY: DATE

CHECKED BY: DATE

REVISION NO. DATE

FILE NO.

SHEET NO.
A-1
OF

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.

CHESAPEAKE ENERGY

Classification: DCL-Internal

SAFETY DATA SHEET

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

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	-

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.

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

CHESAPEAKE ENERGY

Classification: DCL-Internal

SAFETY DATA SHEET

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.

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 (CO_2). 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.

(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

Exposure Limits:			
Components	**(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.

(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_20	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

"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, trioxygen 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

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: Moderately irritating to skin upon prolonged contact

Serious eye damage and/or eye irritation: Mild to moderate temporary irritation of the eyes upon direct contact

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 arrythmia, CNS effects
Specific target organ toxicity (repeated exposure):	CNS Effects
Aspiration hazard:	Not likely

(e) Carcinogenicity:

	Carcinogenicity			
Compound	ACGIH	IARC	NTP	OSHA
$C_1 - C_3$	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
C_6-C_8 Aliphatic Hydrocarbons (minus n-hexane)	Not classified	Not classified	Not listed	Not classified
$C_{>8}$-C_{16} Aliphatic Hydrocarbons	Not classified	Not classified	Not listed	Not classified
$C_{19} - C_{32}$ 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.

(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%

CERCLA (Superfund) reportable quantity (lbs.)
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

EC_{50}:	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
LC_{50}:	Concentration of air resulting in death to 50% of experimental animals
LD_{50}:	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.

CHESAPEAKE ENERGY

Classification: DCL-Internal

SAFETY DATA SHEET

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