# PRECONSTRUCTION ANALYSIS FOR CREEKWOOD RESOURCES, LLC 206-0051 UNIT X001

CreekWood Resources, LLC, (CWR) of Florence, AL, has applied to the ADEM - Air Division for an Air Permit which would authorize the construction and operation of a granite crushing, screening, and conveying circuit at the Shady Grove Quarry located in Lee County. CWR is applying for an Air Permit for the following circuit:

**X001** – 300 TPH Crushing, Screening, and Conveying Circuit with Wet Suppression: Includes Sand Washing Circuit (NSPS-OOO)

#### **X001 Process Description:**

Aggregate material would be fed, by wheel loader, into the crushing, screening, and conveying circuit for processing. Processed material would then be conveyed to stockpiles or a wash screen for further processing. (See flow diagram in the application)

All equipment associated with this circuit was manufactured on or after April 22, 2008. 40 CFR Part 60, Subpart OOO NSPS limits visible emissions from uncontrolled crushers to 12% opacity and limits visible emissions from grinding mills, screening operations, bucket elevators, belt conveyors, bagging operations, storage bins, and enclosed truck or railcar loading stations, or from any other affected facility to 7% opacity. Wet processes are exempt from regulation by this subpart. In addition to the opacity requirements, there are periodic monitoring and testing requirements, as well as recordkeeping requirements to remain in compliance with NSPS Subpart OOO, as promulgated on April 28, 2009. Monthly inspections are required for all spray nozzles in wet suppression areas and for areas controlled by carry over moisture from upstream wet suppression. If inspections of the upstream spray nozzles are not conducted, the carry over areas will be subject to the five year interval retest requirement. All areas not controlled by wet suppression or carry over shall be required to retest every five years. Records of all periodic monitoring inspections, dates, results, and any corrective action taken shall be kept at the facility site, available for inspection.

CWR, will be required to conduct an EPA Method 9 visible emissions observation on the NSPS equipment associated with this circuit. Any equipment exempt from NSPS is subject to the State Implementation Plan (SIP).

#### Process X001

		1 Tocess A	1001		
Manufacturer	Туре	Maximum Operating Capacity	Manufacturer's Date	NSPS/SIP	Testing!
Cedarapids	Dump Hopper DH-1	300 TPH	2018	SIP	No
Cedarapids	Vibrating Grizzly Feeder F-1	300 TPH	2018	SIP	No
Cedarapids	Primary Crusher	300 TPH	2018	NSPS	Yes

	CR-1				
Cedarapids	Conveyor C-1	300 TPH	2018	NSPS	Yes
Unbranded	Conveyor C-2	300 TPH	2015	NSPS	Yes
Unbranded	Conveyor C-3	100 TPH	2015	NSPS	Yes
Unbranded	Conveyor C-4	150 TPH	2015	NSPS	Yes
Unbranded	Conveyor C-5	300 TPH	2015	NSPS	Yes
Unbranded	Dump Hopper DH-2	300 TPH	2015	NSPS	Yes
Cedarapids	Secondary Crusher CR-2	300 TPH	2013	NSPS	Yes
Unbranded	Conveyor C-6	100 TPH	2012	NSPS	Yes
Unbranded	Conveyor C-7	100 TPH	2015	NSPS	Yes
Unbranded	Conveyor C-8	100 TPH	2012	NSPS	Yes
Unbranded	Conveyor C-9	100 TPH	2015	NSPS	Yes
Unbranded	Conveyor C-10	100 TPH	2015	NSPS	Yes
Unbranded	Conveyor C-11	150 TPH	2015	NSPS	Yes
Unbranded	Conveyor C-12	50 TPH	2017	NSPS	Yes
Deister	Triple Deck Screen SCR-1	300 TPH	2008	NSPS	Yes
Cedarapids	Triple Deck Screen SCR-2	300 TPH	2017	NSPS	Yes
Simplicity	Triple Deck Screen SCR-3	300 TPH	2017	NSPS	Yes
Simplicity	Wash Sand Screw	50 TPH	2017	SIP	No

The expected fugitive emissions rate for this circuit would be **4.42 TPY**. There is no allowable emissions rate for fugitive or dust emissions. Therefore, the uncontrolled, controlled, and expected emission rate calculations for this circuit can be found in Appendix A. Note: these calculations are furnished as public information and used to demonstrate the effectiveness of the wet suppression systems based on emissions factors taken from an EPA approved source of emission factors. By definition, fugitive emissions from this process would not be considered in determining Prevention of Significant Deterioration (PSD) or Title V applicability.

This facility is not located within 100 km of the Sipsey Class I Wilderness. The construction and operation of this plant is not anticipated to significantly impact this area.

This facility would not be considered "major" for any criteria pollutant and, therefore, is not required to undergo the PSD process. This site would be considered a Greenfield and CWR would be required to complete a 30-day public comment period, a joint public notice with the Water Division. The Shady Grove Quarry will be located near Opelika, Lee County.

Based on this information, this analysis indicates that this source would meet the requirements of all ADEM - Air Division rules and regulations. I recommend that an Air Permit be issued to CWR incorporating the provisions of Appendix B and Appendix C, the cover letter.

Shane Jordan Energy Branch Air Division April 12, 2021

#### Appendix A

#### **CALCULATIONS**

#### FOR

### CREEKWOOD RESOURCES, LLC 206-0051

#### **UNIT X001**

**X001-** 300 TPH Crushing, Screening, and Conveying Circuit with Wet Suppression: Includes Sand Washing Circuit (NSPS-OOO).

Equipment: 2 Crushers, 3 Screens, and 15 Associated Belt Conveyors (including 1 Feeder and

2 Dump Hoppers)

Hours of Operation: 10 hrs/day x 5 days/wk x 52 wks/yr = 2600 hours /year

Pollution Control: Wet Suppression

Allowable Emission: There is no allowable particulate emission rate limiting

fugitive emissions for any of these processes.

**Uncontrolled Emissions**: Emission factors taken from EPA AP-42, Table 11.19.2-2

Source	Uncontrolled		Controlled			
		Units	Total PM	PM- 10	Total PM	PM- 10
<b>Crushing Emission Factor</b>		lb/Ton	0.0054	0.0024	0.0012	0.00054
Crushing	300	TPH				
Total (# TPH * EF# lb/Ton)		lb/hr	1.62	0.72	0.36	0.162
	8760	hrs/yr				
Total						
(#lb/hr*#hrs/yr*(1/2000)Ton/lbs)		TPY	7.0956	3.1536	1.5768	0.70956
	2600	hrs/yr				

Conveying/ Transfer Point Emission Factor		lb/Ton	0.003	0.0011	0.00014	0.000046
. 0						
(#lb/hr*exp#hrs/yr*1/2000Ton/lbs)		TPY	9.75	3.393	0.858	0.2886
Expected						
	2600	hrs/yr		211.010	2.0900	0.57250
(#lb/hr*#hrs/yr*1/2000Ton/lbs)		TPY	32.85	11.4318	2.8908	0.97236
Total	0700	IIIS/yI				
10tal (# 1PH · EF# 10/10n)	8760	lb/hr hrs/yr	7.5	2.61	0.66	0.222
TD Screen Total (# TPH * EF# lb/Ton)	300	TPH	7.5	2.61	0.66	0.000
Screening Emission Factor	200	lb/Ton	0.025	0.0087	0.0022	0.00074
Expected (#lb/hr*exp#hrs/yr*(1/2000)Ton/lbs)		TPY	2.106	0.936	0.468	0.2106

#### **Total Uncontrolled Emissions:**

Crushing

7.1 TPH x 2 crushers = 14.2 TPH

Screening

32.9 TPH x 3 Screens = 98.7 TPH

Conveying

3.9 TPH x 15 Conveyors = 58.5 TPH

Total

171.4 TPY at 8760 hrs/yr

#### **Total Controlled Emissions:**

Crushing

1.58 TPH x 2 crushers = 3.16 TPH

Screening

2.89 TPH x 3 Screens = 8.67 TPH

Conveying

0.18 TPH x 15 Conveyors = 2.70 TPH

Total

14.53 TPY at 8760 hrs/yr

**Expected Emissions:** 

Based on 2600 Actual Hours of Operation and the AP-42 total

particulate controlled emission factor.

Crushing

0.47 TPH x 2 crushers = 0.94 TPH

Screening

0.86 TPH x 3 Screens = 2.58 TPH

Conveying

0.06 TPH x 15 Conveyors = 0.90 TPH

**Total** 

4.42 TPY at 2600 hrs/yr

#### Appendix B

#### CreekWood Resources, LLC Lee County, Alabama Permit No. 206-0051-X001 Provisos

- 1. This permit is issued on the basis of Rules and Regulations existing on the date of issuance. In the event additional Rules and Regulations are adopted, it shall be the permit holder's responsibility to comply with such rules.
- 2. This permit is not transferable. Upon sale or legal transfer, the new owner or operator must apply for a permit within 30 days.
- 3. A new permit application must be made for new sources, replacements, alterations or design changes which may result in the issuance of, or an increase in the issuance of, air contaminants, or the use of which may eliminate or reduce or control the issuance of air contaminants.
- 4. All air pollution control equipment shall be operated at all times while this process is operational. In the event of scheduled maintenance, unscheduled maintenance, or a breakdown of the pollution control equipment, the process shall be shutdown as expeditiously as possible (unless this act and subsequent re-start would clearly cause greater emissions than continuing operations of the process for a short period). The Department shall be notified of all such events **that exceed 1 hour** within 24 hours. The notification shall include all pertinent facts, including the duration of the process operating without the control device and the level of excess emissions which have occurred. Records of all such events, regardless of reporting requirements, shall be made and maintained for a period of five years. These records shall be available for inspection.
- 5. This process, including all air pollution control devices and capture systems for which this permit is issued shall be maintained and operated at all times in a manner so as to minimize the emissions of air contaminants. Procedures for ensuring that the above equipment is properly operated and maintained so as to minimize the emission of air contaminants shall be established.
- 6. This permit expires and the application is cancelled if construction has not begun within 24 months of the date of issuance of the permit.
- 7. On completion of construction of the device(s) for which this permit is issued, written notification of the fact is to be submitted to the Chief of the Air Division. The notification shall indicate whether the device(s) was constructed as proposed in the application. The device(s) shall not be operated until authorization to operate is granted by the Chief of the Air Division. Failure to notify the Chief of the Air Division of completion of construction and/or operation without authorization could result in revocation of this permit.

8. Prior to a date to be specified by the Chief of the Air Division in the authorization to operate, emission tests are to be conducted by persons familiar with and using the EPA Sampling Train and Test Procedure as described in the Code of Federal Regulations, Title 40, Part 60, for the following pollutants. Written tests results are to be reported to the Air Division within 15 working days of completion of testing.

Particulates	()	Carbon Monoxide	()
Sulfur Dioxide	()	Nitrogen Oxides	()
Volatile Organic	Compounds ()	Visible Emissions	(X)

- 9. Submittal of other reports regarding monitoring records, fuel analyses, operating rates, and equipment malfunctions may be required as authorized in the Department's air pollution control rules and regulations. The Department may require stack emission testing at any time.
- 10. Additions and revisions to the conditions of this Permit will be made, if necessary, to ensure that the Department's air pollution control rules and regulations are not violated.
- 11. Nothing in this permit or conditions thereto shall negate any authority granted to the Department pursuant to the Alabama Environmental Management Act or regulations issued thereunder.
- 12. This permit is issued with the condition that, should obnoxious odors arising from the plant operations be verified by Air Division inspectors, measures to abate the odorous emissions shall be taken upon a determination by the Alabama Department of Environmental Management that these measures are technically and economically feasible.
- 13. The Air Division must be notified in writing at least 10 working days in advance of all emission tests to be conducted and submitted as proof of compliance with the Department's air pollution control rules and regulations.

To avoid problems concerning testing methods and procedures, the following shall be included with the notification letter:

- (a) The date the test crew is expected to arrive, the date and time anticipated of the start of the first run, how many and which sources are to be tested, and the names of the persons and/or testing company that will conduct the tests.
- (b) A complete description of each sampling train to be used, including type of media used in determining gas stream components, type of probe lining, type of filter media, and probe cleaning method and solvent to be used (if test procedure requires probe cleaning).

- (c) A description of the process(es) to be tested, including the feed rate, any operating parameter used to control or influence the operations, and the rated capacity.
- (d) A sketch or sketches showing sampling point locations and their relative positions to the nearest upstream and downstream gas flow disturbances.

A pretest meeting may be held at the request of the source owner or the Department. The necessity for such a meeting and the required attendees will be determined on a case-by-case basis. All test reports must be submitted to the Air Division within 15 days of the actual completion of the test, unless an extension of time is specifically approved by the Air Division.

- 14. Precautions to prevent fugitive dust shall be taken so that provisions of the Department's rules and regulations shall not be violated.
- 15. Precautions shall be taken to prevent fugitive dust emanating from plant roads, grounds, stockpiles, screens, dryers, hoppers, ductwork, etc.

Plant or haul roads and grounds shall be maintained in the following manner so that dust will not become airborne. A minimum of one, or a combination, of the following methods shall be utilized to minimize airborne dust from plant or haul roads and grounds:

- (a) by the application of water any time the surface of the road is sufficiently dry to allow the creation of dust emissions by the act of wind or vehicular traffic;
- (b) by reducing the speed of vehicular traffic to a point below that at which dust emissions are created;
- (c) by paving;
- (d) by the application of binders to the road surface at any time the road surface is found to allow the creation of dust emissions;

Should one, or a combination, of the above methods fail to adequately reduce airborne dust from plant or haul roads and grounds, alternative methods shall be employed, either exclusively or in combination with one or all of the above control techniques, so that dust will not become airborne. Alternative methods shall be approved by the Department prior to utilization.

16. If this plant relocates to another site, this plant's Air Permit remains valid for this site unless or until it is revoked for failure to comply with ADEM Air Division Rules and Regulations. The owner or operator of this plant must provide written notification of the intent to relocate the plant to this site at least two weeks in advance. The written notification should include

the planned construction beginning date and the projected startup date. Failure to provide this written notification is a violation of this permit condition and is grounds for revocation of this permit.

- 17. Any performance tests required shall be conducted and data reduced in accordance with the test methods and procedures contained in each specific permit condition unless the Director (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, or (3) approves the use of an alternative method, the results of which he has determined to be adequate for indicating whether a specific source is in compliance.
- 18. All equipment associated with this process is subject to the State Implementation Plan (SIP) or the New Source Performance Standards (40 CFR 60, Subpart OOO Standards of Performance for Nonmetallic Mineral Processing Plants, applicability date, April 22, 2008). This NSPS limits visible emissions from crushers to 12% opacity and visible emissions from grinding mills, screening operations, bucket elevators, belt conveyors, bagging operations, storage bins and enclosed truck and railcar loading stations, or from any other affected facility to 7% opacity. This NSPS exempts wet operations from regulation.
- 19. Compliance with the opacity standards for sources subject to NSPS-Subpart OOO will be determined by conducting visible emission observations in accordance with the most recent version of EPA Reference Method 9 of Appendix A-4 of the CFR, Title 40, Part 60. When determining compliance with the fugitive emissions standard for grinding mills, screening operations, bucket elevators, belt conveyors, bagging operations, storage bins and enclosed truck and railcar loading stations or from any other affected facility of this circuit, the duration of the Method 9 observations are required to be 30 minutes or five six minute averages. No more than 3 points may be tested concurrently by the same observer. The specified criteria of NSPS Subpart OOO must be met.

The observations will be made by an observer currently certified to make EPA Method 9 visible emission observations. The opacity observations will be conducted within 60 days of the source achieving maximum production rate but no later than 180 days of initial start-up of the facility. The visible observation report will be submitted to the Department within 15 days of taking the observations

- 20. The permittee shall not use as a defense in an enforcement action that maintaining compliance with conditions of this permit would have required halting or reducing the permitted activity.
- 21. The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.

- 22. Precautions shall be taken by the permittee and its personnel to ensure that no person shall ignite, cause to be ignited, permit to be ignited, or maintain any open fire in such a manner as to cause the Department's rules and regulations applicable to open burning to be violated.
- 23. Periodic monitoring is required for all affected facilities controlled by direct wet suppression and/or water carryover. Each spray nozzle shall be examined monthly to assure water is appropriately supplied to the nozzle and that the water is sprayed from the nozzle correctly. Any corrective action indicated shall be taken within 24 hours of the inspection and completed as expediently as possible.
- 24. The permittee shall keep this permit under file or on display at all times at the site where the facility for which the permit is issued is located and shall make the permit readily available for inspection by any or all persons who may request to see it.
- 25. Should this facility, at any time, exceed the limits set forth in this permit, this Department must be notified within ten (10) days of the exceedance.
- 26. Recordkeeping is required for all monthly periodic monitoring inspections. Records shall be kept on the facility site, either in a handwritten log book or in electronic version suitable for inspection upon request by Air Division inspectors and will be retained for at least five (5) years following the date of the inspection. Records of the inspection date, results, and any corrective action taken shall be recorded. In addition, if wet suppression is not utilized during the inspection, any other control method used should be recorded or circumstances shall be noted.

Date Date

#### Appendix C

date

Mr. Jeffrey Major CreekWood Resources, LLC 2701 Mall Dr, Suite 7-102 Florence, AL 35630

Dear Mr. Major:

RE:

Facility No. 206-0051

Unit X001

The enclosed Air Permit is issued pursuant to the Department's air pollution control rules and regulations. Please note the conditions (provisions) which must be met in order to retain this Air Permit.

New sources of air pollution receiving approval by an Air Permit must notify the Chief of the Air Division upon completion of construction and prior to operation. Authorization to Operate must then be received from the Chief of the Air Division. Failure to notify the Chief of the Air Division upon completion of construction and/or operation without authorization can result in the revocation of the Air Permit.

Upon receiving the enclosed Air Permit, please review all of the provisions.

Should you have any questions or if clarification of permit conditions is required, please do not hesitate to contact Shane Jordan at (334) 274-4228 in Montgomery.

Sincerely,

Ronald W. Gore, Chief Air Division

RWG/SDJ

Enclosures





# **AIR PERMIT**

PERMITTEE:

CREEKWOOD RESOURCES, LLC

**FACILITY NAME:** 

SHADY GROVE QUARRY

LOCATION:

LEE COUNTY, ALABAMA

PERMIT NUMBER

DESCRIPTION OF EQUIPMENT, ARTICLE OR DEVICE

206-0051-X001

300 TPH Crushing, Screening, and Conveying Circuit with Wet Suppression: Includes Sand Washing Circuit (NSPS-OOO)

In accordance with and subject to the provisions of the Alabama Air Pollution Control Act of 1971, <u>Ala. Code</u> §§ 22-28-1 to 22-28-23, as amended, the Alabama Environmental Management Act, <u>Ala. Code</u> §§ 22-22A-1 to 22-22A-17, as amended, and rules and regulations adopted there under, and subject further to the conditions set forth in this permit, the Permittee is hereby authorized to construct, install and use the equipment, device or other article described above.

**ISSUANCE DATE: Date** 



# CreekWood Resources, LLC

2701 Mall Drive, Suite 7-102 Florence, Alabama 35630 270.484.0830 creekwoodresources@gmail.com

December 4, 2020

Mr. Shane Jordon
Alabama Department for Environmental Management
Air Division, Construction Materials Section
1400 Coliseum Blvd.
Montgomery, AL 36110

Re:

CreekWood Resources, LLC

Proposed Granite Quarry and Processing Facility Air Permit Application

Lee County, Alabama

Dear Mr. Jordon:

Please find enclosed the following items included in the application package for the proposed CreekWood Resources Granite Quarry in Lee County, Alabama:

Site Location Map
Form 103 - 1
Form 105 - 22
Form 110 - 1
Proposed Processing Equipment Listing

Proposed Processing Equipment Listi Proposed Plant Flow Diagram Emission Computations Site Map

PLGETTED

DEC 11 2020

The proposed granite quarry is located northeast of the City of Opelika, outside the city limits, on Highway 29 North. The proposed crushing plant has a maximum capacity of 936,000 tons per year, and we project a realistic maximum annual throughput of 750,000 tons per year or 80% of maximum capacity. All questions control will be through the use of wet suppression.

Should you have any questions or require additional information, do not hesitate to contact me at either creekwoodresources@gmail.com or 270-484-0830.

Sincerely.

CreekWood Resources, LLC

Jeffrey D. Major Managing Member





## ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (AIR DIVISION)

**Facility Number** 

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	CONSTRUCTION/OPERATING PERMIT APPLICATION FACILITY IDENTIFICATION FORM						
Name of Facility, Firm, or CreekWood Resources, LLC Institution:							
Facility Physical Location Address							
5304 US Highway 29 North Street & Number:							
Opelika City:	County:		36801 <b>Zip:</b>				
Control of the second of the s	Facility Mailing Addre	ss (If d	ifferent from above)				
Address or PO Box: 2701 Mall D	rive, Suite 7-102	·					
Florence City:	State:		35630 <b>Zip:</b>	-			
North as Nove to the party of the second of	Owner's Busin	ess Mai	ling Address	and the state of t			
Creekwood Resource	s, LLC						
Street & Number: 2701 Mail Drive	e, Suite 7-102		City: Florence				
State: AL	35630 <b>Zip:</b>	Telepl					
	Responsible Official's	Busine	ess Mailing Address	to the first of the second			
3. Responsible Official:	rey Major		Title: Managing	Member			
Street & Number: 2701 Mail Drive	e, Suite 7-102						
City:	State: AL		Zip: <sup>35630</sup>				
270-484-083	30		creekwoodresources@	gmail.com			
Telephone Number:	Series and the series of the s		ail Address:				
Jeffrey Major		act Info	ormation  Managing Member				
4. Plant Contact:			riue:				
Telephone Number: 270-484-083	30	E-ma	creekwoodresources@ ail Address:	gmail.com			
5. Location Coordinates:							
UTM	660999.36 Zone 16S	E-W	3619135.36 Zone 16S	N-S			
Latitude/Longitude	32.698212	LAT	-85.282462	LONG			
ADEM Form 103 01/10 m5			Page 1	1 of 6			

6.	Permit ap	plication is made for:						
	Existing source (initial application)							
	☐ Modification							
	☑New source (to be constructed)							
	☐ Change o	of ownership						
	☐Change o	of location						
	☐Other (sp	pecify)						
	Existing so	urce (permit renewal)						
	If application	on is being made to construct or modify, please provide the name and address of installer or						
		Excavating, Inc. 5720 E Schaaf Road Independence, OH 44131						
	also see index	cc.com						
		Telephone 800-524-3478						
	Date cons	truction/modification to begin Summer 2021 to be completed Fall 2021						
7.	Permit app	plication is being made to obtain the following type permit:						
	Air permi	it ·						
	☐Major soı	urce operating permit						
	Synthetic	minor source operating permit						
	General	permit						
8.	form does	ne number of each of the following forms attached and made a part of this application: (if a not apply to your operation indicate "N/A" in the space opposite the form). Multiple forms ed as required.						
	n/a	ADEM 104 - INDIRECT HEATING EQUIPMENT						
	21	ADEM 105 - MANUFACTURING OR PROCESSING OPERATION						
	n/a	ADEM 106 - REFUSE HANDLING, DISPOSAL, AND INCINERATION						
	n/a	ADEM 107 - STATIONARY INTERNAL COMBUSTION ENGINES						
	n/a	ADEM 108 - LOADING, STORAGE & DISPENSING LIQUID & GASEOUS ORGANIC COMPOUNDS						
	n/a	ADEM 109 - VOLATILE ORGANIC COMPOUND SURFACE COATING EMISSION SOURCES						
	1	ADEM 110 - AIR POLLUTION CONTROL DEVICE						
	n/a	ADEM 112 - SOLVENT METAL CLEANING						
	n/a	ADEM 438 - CONTINUOUS EMISSION MONITORS						
	n/a	ADEM 437 - COMPLIANCE SCHEDULE						
9.	General na and North	ature of business: (describe and list appropriate standard industrial classification (SIC) American Industry Classification System (NAICS) ( <u>www.naics.com</u> ) code(s)):						
		CS 212313, Granite quarry. Crushed, Screen and stockpile granite for construction aggregate.						

10. <u>For those making application for a synthetic minor or major source operating permit,</u> please summarize each pollutant emitted and the emission rate for the pollutant. Indicate those pollutants for which the facility is major.

Regulated pollutant	Potential Emissions* (tons/year)	Major source? yes/no
n/a		
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<sup>\*</sup>Potential emissions are either the maximum allowed by the regulations or by permit, or, if there is no regulatory limit, it is the emissions that occur from continuous operation at maximum capacity.

11. <u>For those applying for a major source operating permit</u>, indicate the compliance status by program for each emission unit or source and the method used to determine compliance. Also cite the specific applicable requirement.

Emission unit or source:

(description)

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Compliance Status	OUT3				. ,					
Complian	IN <sup>2</sup>									
	Method used to determine compliance									
of at least beautiful	Wetnod used to de				-				-	
1	Frogram	·								
Otopada	Standard									
P-tuctuling	rollutant		. !							
Emission	Point No.		,							

<sup>&</sup>lt;sup>1</sup>PSD, non-attainment NSR, NSPS, NESHAP (40 CFR Part 61), NESHAP (40 CFR Part 63), accidental release (112(r)),SIP regulation, Title IV, Enhanced Monitoring, Title VI, Other (specify)

<sup>&</sup>lt;sup>2</sup>Attach compliance plan

<sup>&</sup>lt;sup>3</sup>Attach compliance schedule (ADEM Form-437)

<sup>&</sup>lt;sup>4</sup>Fugitive emissions must be included as separate entries

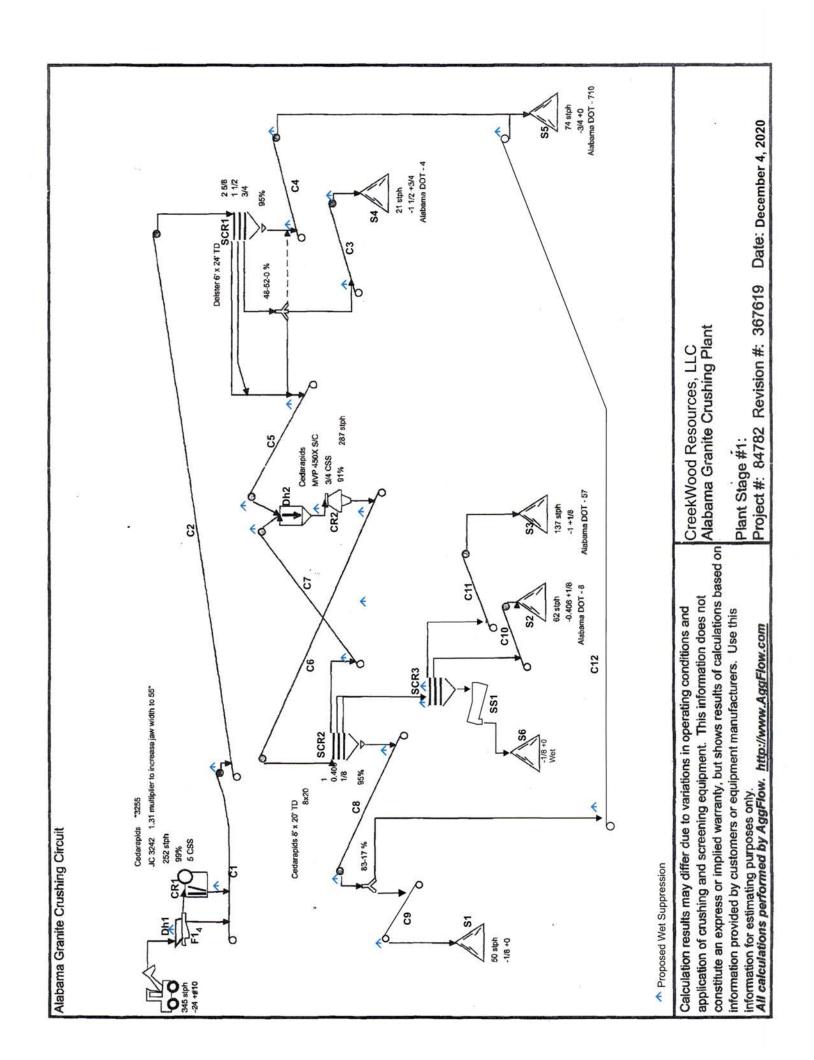
12. List all insignificant activities and the basis for listing them as such (i.e., less than the insignificant activity thresholds or on the list of insignificant activities). Attach any documentation needed, such as calculations. No unit subject to an NSPS, NESHAP or MACT standard can be listed as insignificant.

Insignificant Activity	Basis
n/a	
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13. List and explain any exemptions from applicable requ	irements the facility is claiming:
a. n/a	
b.	
C.	
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h.	
i.	
14. List below other attachments that are a part of this a calculations must be appended):	oplication(all supporting engineering
a. Cover Letter	
<b>b.</b> Form 103	
<b>c.</b> Form 105 (20)	
at Form 110	
e. Emissions Computations	
f. Proposed Crushing Plant Flow Diagram	
g. Equipment List	
h. Site Map	
1	
I CERTIFY UNDER PENALTY OF LAW THAT, BASED ON I REASONABLE INQUIRY, THE STATEMENTS AND INFORMAT TRUE, ACCURATE AND COMPLETE.	
I ALSO CERTIFY THAT THE SOURCE WILL CONTINUE TO FOR WHICH IT IS IN COMPLIANCE, AND THAT THE SOUR APPLICABLE REQUIREMENTS THAT WILL BECOME EFFECT A DETAILED SCHEDULE, IF NEEDED FOR MEETING THE RECORD	RCE WILL, IN A TIMELY MANNER, MEET ALL IVE DURING THE PERMIT TERM AND SUBMIT
Managing Memb	er 12/04/2020
SIGNATURE OF RESPONSIBLE OFFICIAL TITLE	DATE

#### Creekwood Resources, LLC Processing Plant Equipment List

Description	Form 105	Designation
48" Primary Crusher Discharge Conveyor	Yes	C-1
48"x60' Primary Feed Conveyor	Yes	C-2
36"x60' Conveyor	Yes	C-3
30" x 85' Radial Stacker Conveyor	Yes	C-4
36"x60' Surge Bin Conveyor	Yes	C-5
48"x55' Secondary Screen Feed Conveyor	Yes	C-6
36" x 60' Recirculating Coarse Product Conveyor	Yes ·	C-7
30" x 60' Fines Transfer Conveyor	Yes	C-8
30"x60' Fines Radial Stacking Conveyor	Yes	C-9
30"x90' Product Radial Stacker	Yes	C-10
30"x90' Product Radial Stacker	Yes	C-11
30" x 60' Fines Collecting Conveyor	Yes	C-12
Deister 6' x 24' Triple Deck Screen	Yes	SCR-1
Cedar Rapids 8'x20' 3 Deck Finishing Screen	Yes	SCR-2
Simplicity 3 Deck Wash Screen	Yes	SCR-3
Simplicity Sand Screw	Yes	SS-1
Grizzly Feeder	Yes	F-1
Primary Dump Hopper	Yes	DH-1
15 CuYd Surge Bin	Yes	DH-2
Cedarapids CRJ 3255 Jaw Crusher Primary	Yes	CR-1
Cedarapids MVP-450X Secondary Crusher	Yes	CR-2



This is the tentative equipment listing for this facility.	Source Operational Data					
CreekWood Resources, LLC Granite Quarry		Hr/Day	Day/Wk	Wk/Yr	Hr/y	r
Lee County, Alabama	Ave	10	6	5	2 3	3120
Control of the Market of the Control	Max	12	7	5	2 4	1368
Date December 4, 2020	Pot	24	7	5	2 8	3736

Name	CreekWood Resources	
UTM	Zone 16 S	
East	651183.1	
North	3619399	
Elev	759 Ft Above MSL	

#### EMISSION FACTORS FOR CRUSHED STONE PROCESSING REFERENCE AP-42 TABLE 11.19.2-2 (LB/TON)

					Throu	ghput			AF	P42
			Ave	erage	N	lax		Pot	PM	PM-10
Source	Form 105	Designation	Tons/Hr	Tons/Year	Tons/Hr	Tons/Year	Tons/Hr	Tons/Year	lb/ton	lbs/Tor
48" Primary Crusher Discharge Conveyor	Yes	C-1	300	936000	300	1310400	300	2620800	0.00014	0.00004
48"x60' Primary Feed Conveyor	Yes	C-2	300	936000	300	1310400	300	2620800	0.00014	0.00004
36"x60' Conveyor	Yes	C-3	100	312000	100	436800	100	873600	0.00014	0.00004
30" x 85' Radial Stacker Conveyor	Yes	C-4	150	468000	150	655200	150	1310400	0.00014	0.00004
36"x60' Surge Bin Conveyor	Yes	C-5	300	936000	300	1310400	300	2620800	0.00014	0.00004
48"x55' Secondary Screen Feed Conveyor	Yes	C-6	300	936000	300	1310400	300	2620800	0.00014	0.00004
36" x 60' Recirculating Coarse Product Conveyor	Yes	C-7	100	312000	100	436800	100	873600	0.00014	0.00004
30" x 60' Fines Transfer Conveyor	Yes	C-8	100	312000	100	436800	100	873600	0.00014	0.00004
30"x60' Fines Radial Stacking Conveyor	Yes	C-9	100	312000	100	436800	100	873600	0.00014	0.00004
30"x90' Product Radial Stacker	Yes	C-10	100	312000	100	436800	100	873600	0.00014	0.00004
30"x90' Product Radial Stacker	Yes	C-11	150	468000	150	655200	150	1310400	0.00014	0.00004
30" x 60' Fines Collecting Conveyor	Yes	C-12	50	156000	50	218400	50	436800	0.00014	0.00004
Deister 6' x 24' Triple Deck Screen	Yes	SCR-1	300	936000	300	1310400	300	2620800	0.0022	0.0007
Cedar Rapids 8'x20' 3 Deck Finishing Screen	Yes	SCR-2	300	936000	300	1310400	300	2620800	0.0022	0.0007
Simplicity 3 Deck Wash Screen	Yes	SCR-3	300	936000	300	1310400	300	2620800	0.0000	0.000
Simplicity Sand Screw	Yes	SS-1	50	156000	50	218400	50	436800	0.0000	0.000
Grizzly Feeder	Yes	F-1	300	936000	300	1310400	300	2620800	0.0022	0.0007
Primary Dump Hopper	Yes	DH-1	300	936000	300	1310400	300	2620800	0.000016	0.0000
15 CuYd Surge Bin	Yes	DH-2	300	936000	300	1310400	300	2620800	0.000016	0.0000
Cedarapids CRJ 3255 Jaw Crusher Primary	Yes	CR-1	250	780000	250	1092000	250	2184000	0.0012	0.0005
Cedarapids MVP-450X Secondary Crusher	Yes	CR-2	300	936000	300	1310400	300	2620800	0.0012	0.0005

Note: Due to the absence of emission factors in the AP-42 reference table for primary and secondary crushing, the emission factor for tertiary crushing (controlled) was used for both primary and secondary crushing calculations.

						PM				
	1 [		Ave		Max		Pot			
Source	Designation	lbs/hr	lbs/Yr	Tons/Yr	lbs/hr	lbs/Yr	Tons/yr	lbs/hr	lbs/Yr	Tons/Yr
48" Primary Crusher Discharge Conveyor	C-1	0.04	131.04	0.07	0.04	183.46	0.09	0.04	366.91	0.18
48"x60' Primary Feed Conveyor	C-2	0.04	131.04	0.07	0.04	183.46	0.09	0.04	366.91	0.18
36"x60' Conveyor	C-3	0.01	43.68	0.02	0.01	61.15	0.03	0.01	122.30	0.06
30" x 85' Radial Stacker Conveyor	C-4	0.02	65.52	0.03	0.02	91.73	0.05	0.02	183.46	0.09
36"x60' Surge Bin Conveyor	C-5	0.04	131.04	0.07	0.04	183.46	0.09	0.04	366.91	0.18
48"x55' Secondary Screen Feed Conveyor	C-6	0.04	131.04	0.07	0.04	183.46	0.09	0.04	366.91	0.18
36" x 60' Recirculating Coarse Product Conveyor	C-7	0.01	43.68	0.02	0.01	61.15	0.03	0.01	122.30	0.06
30" x 60' Fines Transfer Conveyor	C-8	0.01	43.68	0.02	0.01	61.15	0.03	0.01	122.30	0.06
30"x60' Fines Radial Stacking Conveyor	C-9	0.01	43.68	0.02	0.01	61.15	0.03	0.01	122.30	0.06
30"x90' Product Radial Stacker	C-10	0.01	43.68	0.02	0.01	61.15	0.03	0.01	122.30	0.06
30"x90' Product Radial Stacker	C-11	0.02	65.52	0.03	0.02	91.73	0.05	0.02	183.46	0.09
30" x 60' Fines Collecting Conveyor	C-12	0.01	21.84	0.01	0.01	30.58	0.02	0.01	61.15	0.03
Deister 6' x 24' Triple Deck Screen	SCR-1	0.66	2059.20	1.03	0.66	2882.88	1.44	0.66	5765.76	2.88
Cedar Rapids 8'x20' 3 Deck Finishing Screen	SCR-2	0.66	2059.20	1.03	0.66	2882.88	1.44	0.66	5765.76	2.88
Simplicity 3 Deck Wash Screen	SCR-3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Simplicity Sand Screw	SS-1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grizzly Feeder	F-1	0.66	2059.20	1.03	0.66	2882.88	1.44	0.66	5765.76	2.88
Primary Dump Hopper	DH-1	0.00	14.98	0.01	0.00	20.97	0.01	0.00	41.93	0.02
15 CuYd Surge Bin	DH-2	0.00	14.98	0.01	0.00	20.97	0.01	0.00	41.93	0.02
Cedarapids CRJ 3255 Jaw Crusher Primary	CR-1	0.30	936.00	0.47	0.30	1310.40	0.66	0.30	2620.80	1.31
Cedarapids MVP-450X Secondary Crusher	CR-2	0.36	1123.20	0.56	0.36	1572.48	0.79	0.36	3144.96	1.57
	TOTALS	3	9162	4.58	3	12827	6.41	3	25654	12.83

						PM10					
			Ave			Max		Pot			
Source	Designation	lbs/hr	lbs/Yr	Tons/Yr	lbs/hr	lbs/Yr	Tons/Yr	lbs/hr	lbs/Yr	Tons/Y	
48" Primary Crusher Discharge Conveyor	C-1	0.01	43.06	0.02	0.01	60.28	0.03	0.01	120.56	0.06	
48"x60' Primary Feed Conveyor	C-2	0.01	43.06	0.02	0.01	60.28	0.03	0.01	120.56	0.06	
36"x60' Conveyor	C-3	0.00	14.35	0.01	0.00	20.09	0.01	0.00	40.19	0.02	
30" x 85' Radial Stacker Conveyor	C-4	0.01	21.53	0.01	0.01	30.14	0.02	0.01	60.28	0.03	
36"x60' Surge Bin Conveyor	C-5	0.01	43.06	0.02	0.01	60.28	0.03	0.01	120.56	0.06	
48"x55' Secondary Screen Feed Conveyor	C-6	0.01	43.06	0.02	0.01	60.28	0.03	0.01	120.56	0.06	
36" x 60' Recirculating Coarse Product Conveyor	C-7	0.00	14.35	0.01	0.00	20.09	0.01	0.00	40.19	0.02	
30" x 60' Fines Transfer Conveyor	C-8	0.00	14.35	0.01	0.00	20.09	0.01	0.00	40.19	0.02	
30"x60' Fines Radial Stacking Conveyor	C-9	0.00	14.35	0.01	0.00	20.09	0.01	0.00	40.19	0.02	
30"x90' Product Radial Stacker	C-10	0.00	14.35	0.01	0.00	20.09	0.01	0.00	40.19	0.02	
30"x90' Product Radial Stacker	C-11	0.01	21.53	0.01	0.01	30.14	0.02	0.01	60.28	0.03	
30" x 60' Fines Collecting Conveyor	C-12	0.00	7.18	0.00	0.00	10.05	0.01	0.00	20.09	0.01	
Deister 6' x 24' Triple Deck Screen	SCR-1	0.22	692.64	0.35	0.22	969.70	0.48	0.22	1939.39	0.97	
Cedar Rapids 8'x20' 3 Deck Finishing Screen	SCR-2	0.22	692.64	0.35	0.22	969.70	0.48	0.22	1939.39	0.97	
Simplicity 3 Deck Wash Screen	SCR-3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Simplicity Sand Screw	SS-1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Grizzly Feeder	F-1	0.22	692.64	0.35	0.22	969.70	0.48	0.22	1939.39	0.97	
Primary Dump Hopper	DH-1	0.00	14.98	0.01	0.00	20.97	0.01	0.00	41.93	0.02	
15 CuYd Surge Bin	DH-2	0.00	14.98	0.01	0.00	20.97	0.01	0.00	41.93	0.02	
Cedarapids CRJ 3255 Jaw Crusher Primary	CR-1	0.14	421.20	0.21	0.14	589.68	0.29	0.14	1179.36	0.59	
Cedarapids MVP-450X Secondary Crusher	CR-2	0.16	505.44	0.25	0.16	707.62	0.35	0.16	1415.23	0.71	
	TOTALS	1	3329	1.66	1	4660	2.33	1	9320	4.66	

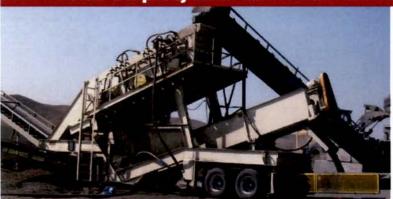
		PERMIT LI	MITS
Source	Designation	Opacity	Ave PM Tons/yr
48" Primary Crusher Discharge Conveyor	C-1	7%	0.00459
48"x60' Primary Feed Conveyor	C-2	7%	0.00459
36"x60' Conveyor	C-3	7%	0.00153
30" x 85' Radial Stacker Conveyor	C-4	7%	0.00229
36"x60' Surge Bin Conveyor	C-5	7%	0.00459
48"x55' Secondary Screen Feed Conveyor	C-6	7%	0.00459
36" x 60' Recirculating Coarse Product Conveyor	C-7	7%	0.00153
30" x 60' Fines Transfer Conveyor	C-8	7%	0.00153
30"x60' Fines Radial Stacking Conveyor	C-9	7%	0.00153
30"x90' Product Radial Stacker	C-10	7%	0.00153
30"x90' Product Radial Stacker	C-11	7%	0.00229
30" x 60' Fines Collecting Conveyor	C-12	7%	0.00076
Deister 6' x 24' Triple Deck Screen	SCR-1	7%	0.07207
Cedar Rapids 8'x20' 3 Deck Finishing Screen	SCR-2	7%	0.07207
Simplicity 3 Deck Wash Screen	SCR-3	0%	0.00000
Simplicity Sand Screw	SS-1	0%	0.00000
Grizzly Feeder	F-1	7%	0.07207
Primary Dump Hopper	DH-1	7%	0.00052
15 CuYd Surge Bin	DH-2	7%	0.00052
Cedarapids CRJ 3255 Jaw Crusher Primary	CR-1	12%	0.05616
Cedarapids MVP-450X Secondary Crusher	CR-2	12%	0.06739
	•	TOTAL	0.37















# **TXW516S**

5' x 16' PORTABLE INCLINE SCREEN WITH SINGLE SCREW WASH PLANT



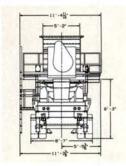
#### **Terex® Minerals Processing Systems**

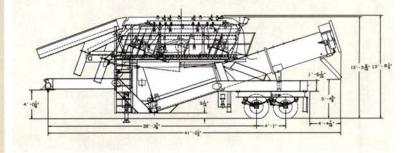
#### Terex® Simplicity TXW516S | 5' x 16' Portable Incline Screen with Single Screw Wash Plant

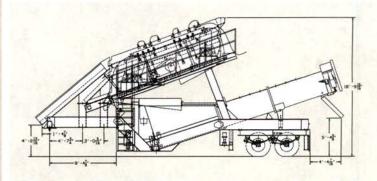
- 5' x 16' Simplicity triple deck inclined two bearing screen.
- Chassis features heavy duty I-beam construction with four cribbing support legs and two manual landing jacks for easy truck removal. Chassis includes a doubleaxle suspension, eight 11:00 R 22.5 twelveply tires mounted on 10-hole Budd wheels, 5th wheel, air brakes on two axles, mud flaps, and tail lights.
- 1800 rpm, TEFC electric motor for screen drive, accessible by ladder and walkway around three sides of the screen.
- The under-screen fines collection flume is made from ¼" plate and has a splash-type spray system. Water spray systems on all screen decks, flume, and washout.
- Heavy-duty 36" x 25' single screw with 15 HP drive.
- Manifold with the necessary hardware, valves, and hoses.
- Heavy-duty discharge chute made from ¼"
   plate and lined with Hardox® abrasion resistant
   plate in heavy wear areas. The discharge chute
   includes a top deck-over chute with discharge
   to the front of the plant. The middle deck chute
   discharges to the side, and the bottom deck
   chute discharges to the opposite side.
- All standard guards provided. NOTE: Terex Simplicity does not warrant that our guards will meet all local codes. It is the responsibility of the end user to have them checked by a local inspector.
- Painted in Terex White.
- NOTE: Dimensions and specifications are subject to change without notice.



Travel width:	11'
Total weight:	49,000 lbs
King pin weight:	13,500 lbs
Tandem suspension weight:	35,500 lbs.







Effective Date: March, 2010. Product specifications and prices are subject to change without notice or obligation. The photographs and/or drawings in this brochure are for illustrative purposes only. Refer to the appropriate Operator's Manual for instructions on the proper use of this equipment. Failure to follow the appropriate Operator's Manual when using our equipment or to otherwise act irresponsibly may result in serious injury or death. The only warranty applicable to our equipment is the standard written warranty applicable to the particular product and sale and Terex makes no other warranty, express or implied. Products and services listed may be trademarks, service marks or trade-names of Terex Corporation and/or its subsidiaries in the USA and other countries and all rights are reserved. Terex is a registered trademark of Terex Corporation in the USA and many other countries. Copyright © 2010 Terex Corporation.

#### PERMIT APPLICATION FOR MANUFACTURING OR PROCESSING OPERATION

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	206	] -	00	51	-	X	0	٥	1
lion:	CreekWood Resources, LLC		D	o not w	rite	in th	is s	pac	е

1.	Name of firm or organization:	eekvvood Resources, LLC	(6)	
2.	for each type of process or for material from, or provides input	multiple units of one pro material to, another ope	our facility: (separate forms are to be s cess type. If the unit or process rece ration, please indicate the relationship each alternative operating scenario.	ives input
	Operating scenario number 1	_		
	Emission Point C-1 Primary Conveyor. Gra	nite will be dumped from a CAT 9	80M or equivalent loader into the dump hopper (DH	-1).
	From the dump hopper, over sized material	I slides over the vibrating grizzly for	eeder (F-1) to the Primary Jaw Crusher (CR-1). Und	ersize
	material falls through the grizzly feeder (F-	1) onto conveyor C-1. Material pa	sses through the primary Jaw Crusher (CR-1), is cru	shed and
	broken, and falls through onto conveyor C-	Primary conveyor C-1 feeds or	to primary screen conveyor C-2.	•
	·			
	<u> </u>			
	<u> </u>			
•	<b>T</b>		Primary Crushing Unit including dump hopp	er (DH-1)
3	<ul> <li>Type of unit or process (e.g., ca vibrating grizzly feeder (F-1), primary jaw cru</li> </ul>		oe).	31 (211 1)
	Make: Cedar Rapids (made by Terex)	Mo	del: CRJ3255	
	Rated process capacity (manufa	acturer's or designer's g	uaranteed maximum) in pounds/hour:	300 Tons/Hr
	Manufactured date: 2018	ggg	Proposed installation date:	
	mandractured date.	3		
			Original installation date (if existing):	
		Reconstruction	n or Modification date ( if applicable):	n/a
4.	Normal operating schedule:			
	Hours per day: 10	Days per 5		
		week:	Weeks per year: 52	
	Peak production season (if any):	week:  Construction Season - April thro		

Btu/ft³ P. Gas Btu/ft³ P. Gas Btu/ft³ Btu/lb Btu/lb Bturer (specify)  Products of process or unit:  Products  Quantity/year Units of production Innite  1936,000 tons per year  Units of production Innite Brounds  Quantity/year Units of production Innite Brounds  Products  Quantity/year Units of production Innite Brounds  Products  Quantity/year Units of production Innite Brounds  Products  Products  Quantity/year Units of production Innite Brounds  Products  Products  Products  Products  Products  Products  Quantity/year Units of production Innite  Innite  Products  Prod		Material		- Proces	s Rate Averag (lb/hr)	je Maximum (lb/hr)	Quantity tons/year
equipment previously described on ADEM Form 104): n/aMMBtu/hr  Fuel	Granite Shot Rock			300 Tons per Hour		300 Tons/Hour	936,000
equipment previously described on ADEM Form 104): n/a MBtu/hr  Fuel Heat Content Units Max. % Max. % Grade No. [fuel oil only] [used oil only]  pal Btu/lb  pal Btu/lb  pal Btu/gal  patural Gas Btu/ft³  p. Gas Btu/ft³  products of process or unit:  Products Of process or unit:  Products Quantity/year Units of production  tons per hour  Tons per hour  For each regulated pollutant, describe any limitations on source operation which affects emissions on yowrk practice standard (attach additional page if necessary): Fugitive emissions from processing the grantle will nutrolled using wet suppression. Water will be primarily sourced/recycled from on-site stormwater management basins, and a quarry sump. though not anticipated, should the water supply used for wet suppression be interrupted and temporarily unavailable, the crushing plant would be primarily sourced/recycled from on-site stormwater management basins, and a quarry sump.							
P. Gas Btu/ft³ P. Gas Btu/ft³ Products of process or unit:  Products  Quantity/year Units of production  Solfur Ash [fuel oil only] [used oil only]  Death of the product of process or unit:  Products  Quantity/year Units of production  Tons per hour  For each regulated pollutant, describe any limitations on source operation which affects emissions on yowrk practice standard (attach additional page if necessary): Fugitive emissions from processing the granite wintrolled using wet suppression. Water will be primarily sourced/recycled from on-site stormwater management basins, and a quarry sump. Though not anticipated, should the water supply used for wet suppression be interrupted and temporarily unavailable, the crushing plant wound to the position of the plant o		reviously de		ADEM Form	104): n/a	MMBtu/hr	N=0
atural Gas Btu/ft³ P. Gas Btu/ft³ P. Gas Btu/ft³ Ood Btu/lb ther (specify)  Products Quantity/year Units of production ante  936,000 tons per year  Tons per hour  For each regulated pollutant, describe any limitations on source operation which affects emissions on your k practice standard (attach additional page if necessary): Fugitive emissions from processing the granite wintrolled using wet suppression. Water will be primarily sourced/recycled from on-site stormwater management basins, and a quarry sump. though not anticipated, should the water supply used for wet suppression be interrupted and temporarily unavailable, the crushing plant wouthough not anticipated, should the water supply used for wet suppression be interrupted and temporarily unavailable, the crushing plant wouthough not anticipated, should the water supply used for wet suppression be interrupted and temporarily unavailable, the crushing plant wouthough not anticipated, should the water supply used for wet suppression be interrupted and temporarily unavailable, the crushing plant wouthough not anticipated, should the water supply used for wet suppression be interrupted and temporarily unavailable, the crushing plant wouthough not anticipated, should the water supply used for wet suppression be interrupted and temporarily unavailable, the crushing plant wouthough not anticipated, should the water supply used for wet suppression be interrupted and temporarily unavailable, the crushing plant wouthough not anticipated, should the water supply used for wet suppression be interrupted and temporarily unavailable, the crushing plant wouthough not anticipated.	Fuel		Units		Tax State Section 11 (800)		
Attural Gas  Btu/ft³  P. Gas  Btu/ft³  pood  Btu/lb  ther (specify)  Products of process or unit:  Products  Quantity/year  Units of production  tons per hour  Units of production  tons per hour  For each regulated pollutant, describe any limitations on source operation which affects emissions on the production of th	oal		Btu/lb				
P. Gas Btu/ft³  bood Btu/lb  ther (specify)  Products of process or unit:  Products Quantity/year Units of production  solution tons per hour  For each regulated pollutant, describe any limitations on source operation which affects emissions on your practice standard (attach additional page if necessary): Fugitive emissions from processing the granite with introlled using wet suppression. Water will be primarily sourced/recycled from on-site stormwater management basins, and a quarry sump. Though not anticipated, should the water supply used for wet suppression be interrupted and temporarily unavailable, the crushing plant would be considered.	el Oil		Btu/gal				
Products of process or unit:  Products  Quantity/year  Units of production  936,000 tons per year  tons per hour  For each regulated pollutant, describe any limitations on source operation which affects emissions on your processing the granite wintrolled using wet suppression. Water will be primarily sourced/recycled from on-site stormwater management basins, and a quarry sump. Though not anticipated, should the water supply used for wet suppression be interrupted and temporarily unavailable, the crushing plant would be primarily used for wet suppression be interrupted and temporarily unavailable, the crushing plant would be primarily used for wet suppression be interrupted and temporarily unavailable, the crushing plant would be primarily used for wet suppression be interrupted and temporarily unavailable, the crushing plant would be primarily used for wet suppression be interrupted and temporarily unavailable, the crushing plant would be primarily used for wet suppression be interrupted and temporarily unavailable, the crushing plant would be primarily used for wet suppression be interrupted and temporarily unavailable, the crushing plant would be primarily used for wet suppression be interrupted and temporarily unavailable, the crushing plant would be primarily unavailable.	itural Gas		Btu/ft³				
Products of process or unit:  Products  Quantity/year  Units of production  tons per hour  For each regulated pollutant, describe any limitations on source operation which affects emissions on ywork practice standard (attach additional page if necessary): Fugitive emissions from processing the granite wintrolled using wet suppression. Water will be primarily sourced/recycled from on-site stormwater management basins, and a quarry sump. Though not anticipated, should the water supply used for wet suppression be interrupted and temporarily unavailable, the crushing plant would be primarily unavailable, the crushing plant would be primarily unavailable.	P. Gas		Btu/ft³				
Products of process or unit:  Products  Quantity/year  Units of production  tons per hour  Tons per hour  Por each regulated pollutant, describe any limitations on source operation which affects emissions on ywork practice standard (attach additional page if necessary): Fugitive emissions from processing the granite wintrolled using wet suppression. Water will be primarily sourced/recycled from on-site stormwater management basins, and a quarry sump. Ithough not anticipated, should the water supply used for wet suppression be interrupted and temporarily unavailable, the crushing plant would be applied to the content of the conte	ood		Btu/lb				
For each regulated pollutant, describe any limitations on source operation which affects emissions on ywork practice standard (attach additional page if necessary): Fugitive emissions from processing the granite with introlled using wet suppression. Water will be primarily sourced/recycled from on-site stormwater management basins, and a quarry sump. It shough not anticipated, should the water supply used for wet suppression be interrupted and temporarily unavailable, the crushing plant would be primarily unavailable.	ther (specify)						
any work practice standard (attach additional page if necessary): Fugitive emissions from processing the granite with an introlled using wet suppression. Water will be primarily sourced/recycled from on-site stormwater management basins, and a quarry sump. It is though not anticipated, should the water supply used for wet suppression be interrupted and temporarily unavailable, the crushing plant would be suppressed in the crushing plant would be					ntity/year		
any work practice standard (attach additional page if necessary): Fugitive emissions from processing the granite with antrolled using wet suppression. Water will be primarily sourced/recycled from on-site stormwater management basins, and a quarry sumptough not anticipated, should the water supply used for wet suppression be interrupted and temporarily unavailable, the crushing plant would be suppression.							
though not anticipated, should the water supply used for wet suppression be interrupted and temporarily unavailable, the crushing plant wou			-				
ontrolled using wet suppression. Water will be primarily sourced/recycled from on-site stormwater management basins, and a quarry sump.  Ithough not anticipated, should the water supply used for wet suppression be interrupted and temporarily unavailable, the crushing plant wount down until the water source was again available. In addition, at least one person trained and certified in EPA Method 9 Visual Emissions							
ut down until the water source was again available. In addition, at least one person trained and certified in EPA Method 9 Visual Emissions	ny work practi	ce standard	(attach add	ditional page	if necessary	): Fugitive emissions from	om processing the granite will
	ny work praction	ce standard uppression. Water	(attach add er will be prima	ditional page rily sourced/recyc	if necessary	: Fugitive emissions fro stormwater management	om processing the granite will basins, and a quarry sump.

9.	Is there any emission control equipment on this emission source?
	Yes No (Where a control device exists, ADEM Form 110 must be completed and attached).

10. Air contaminant emission points: (Each point of emission should be listed separately and numbered so that it can be located on the attached flow diagram):

	Stack										
Emission Point	UTM Coordinates  E-W N-S		Height Above Grade	Base Elevation	Diameter (Feet)	Gas Exit Velocity (Feet/Sec)	Volume of Gas Discharged	Exit Temperature (°F)			
	(km)	(km)	(Feet)	(Feet)	(, 555)	(Feet/Sec)	Discharged (ACFM)	(°F)			
C-1	660999.36	3619135.36	10	722							
			141								
					,	-					
						-					
							P 14				

<sup>\*</sup> Std temperature is 68°F - Std pressure is 29.92" in Hg.

11. Air contaminants emitted: Basis of estimate (material balance, stack test, emission factor, etc.) must be clearly indicated on calculations appended to this form. Fugitive emissions <u>must be included</u> and calculations must be appended.

Emission			Potential Emi	Regulatory Emission Limit		
Point	Pollutants	(lb/hr)	(Tons/yr)	Basis of Calculation	(lb/hr)	(units of standard)
SEE ATTACHED	EMISSION CALCULATIONS TABLES					

	1.0000000000000000000000000000000000000		
12.	Using	a flow	diagram:

- (1) Illustrate input of raw materials,
- (2) Label production processes, process fuel combustion, process equipment and air pollution control equipment,
- (3) Illustrate locations of air contaminant release so that emission points under item 10 can be identified.

$\overline{}$	(Check box if extra	pages	are	attached)
	Process flow			

could become airbor  ✓ Yes □No  If "yes", is this mater fugitive dust problem  ✓ Yes □No	rne? rial stored in piles or in s		n finely divided materials which
Type of material	Particle size (diameter or screen size)	Pile size or facility (average tons)	Methods utilized to control fugitive emissions (wetted, covered, etc.)
CRUSHED GRANITE	1 1/2" X 3/4"	15,000	WET SUPPRESSION
CRUSHED GRANITE	3/4" X 0"	25,000	WET SUPPRESSION
CRUSHED GRANITE	1" X 1/8"	25,000	WET SUPPRESSION
CRUSHED GRANITE	1/2" X 1/8"	15,000	WET SUPPRESSION
CRUSHED GRANITE	1/8" × 0"	15,000	WET SUPPRESSION
	ng application:	Major	

#### PERMIT APPLICATION FOR MANUFACTURING OR PROCESSING OPERATION

20	6	- 0	0	5	/ -	V	0	0	
----	---	-----	---	---	-----	---	---	---	--

1.	Name of firm or organization:	CreekWood Resources, LLC	Do not write in this space					
2.	Briefly describe the operation of this unit or process in your facility: (separate forms are to be submitted for each type of process or for multiple units of one process type. If the unit or process receives input material from, or provides input material to, another operation, please indicate the relationship between the operations.) An application should be completed for each alternative operating scenario.							
	Operating scenario number 1							
			ary conveyor C-1, and discharges onto the top of					
	screen SCR-1.							
	***************************************							
3.	. Type of unit or process (e.g., c	alcining kiln, cupola furnad	40" v COV					
	Rated process canacity (manu		naranteed maximum) in pounds/hour: 300 Tons/Hr					
	Manufactured date: 2015	ractarer s or designer s ge	Proposed installation date: Summer 202					
	manuractured date:		Original installation date (if existing): <sup>n/a</sup>					
		Reconstructio	n or Modification date ( if applicable): <sup>n/a</sup>					
4.	Normal operating schedule:		, , ,					
	Hours per day: 10	Days per <sup>5</sup> week:	Weeks per year: 52					
	Peak production season (if any):	Construction Season - April throu	gh October					

	Material		Proces	s Rate Average (lb/hr)	e Maximum (lb/hr)	Quantity tons/year
Granite (primary cru	Granite (primary crushed)				300 Tons/Hour	936,000
6. Total heat in					ude fuel used by ind	lirect heating
Fuel	Heat Content	Units	Max. % Sulfur	Max. %	Grade No. [fuel oil only]	Supplier [used oil only]
oal		Btu/lb				
uel Oil		Btu/gal				
atural Gas		Btu/ft³				
P. Gas		Btu/ft³				
lood		Btu/lb				
ther (specify)						
7. Products of			Quar	ntity/year	tons per hour	nits of production
111-111-111-111-111-111-111-111-111-111-111-111-111-111-111-111-111-111-111-111-111-111-111-111-111-111-111-11						
any work practi	ce standard	(attach add	itional page	if necessary)		affects emissions or processing the granite will be sins, and a quarry sump.
						ole, the crushing plant would
Ithough not anticipate	ed, should the wa	ator cappi) acca				
			In addition, at lea	ast one person trai	ined and certified in EPA M	lethod 9 Visual Emissions

5. Materials (feed input) used in unit or process (include solid fuel materials used, if any):

- 9. Is there any emission control equipment on this emission source?✓ Yes ☐No (Where a control device exists, ADEM Form 110 must be completed and attached).
- 10. Air contaminant emission points: (Each point of emission should be listed separately and numbered so that it can be located on the attached flow diagram):

	Stack										
Emission Point	UTM Co	N-S (km)	Height Above Grade (Feet)	Base Elevation (Feet)	Diameter (Feet)	Gas Exit Velocity (Feet/Sec)	Volume of Gas Discharged (ACFM)	Exit Temperature (°F)			
C-2	660999.36	3619135.36	20	722			(ACI III)				
				11-20-45							
				192							
			8								
u u											

<sup>\*</sup> Std temperature is 68°F - Std pressure is 29.92" in Hg.

Emission			Potential Emis	ssions	Regulatory E	mission Limit
Emission Point	Pollutants	(lb/hr)	(Tons/yr)	Basis of Calculation	(lb/hr)	(units of standard)
SEE ATTACHED	EMISSION CALCULATIONS TABLES					
					-	

<ol><li>Using a flow diagram</li></ol>	12.	Usina	a flow	diagram
----------------------------------------	-----	-------	--------	---------

- (1) Illustrate input of raw materials,
- (2) Label production processes, process fuel combustion, process equipment and air pollution control equipment,
- (3) Illustrate locations of air contaminant release so that emission points under item 10 can be identified.

(Check box if extra	pages are attached)
 Process flow	diagram

✓ Yes    ☐ No			
fugitive dust problen		ome other facility as to	o make possible the creation of
Type of material	Particle size (diameter or screen size)	Pile size or facility (average tons)	Methods utilized to control fugitive emissions (wetted, covered, etc.)
CRUSHED GRANITE	1 1/2" X 3/4"	15,000	WET SUPPRESSION
CRUSHED GRANITE	3/4" × 0"	25,000	WET SUPPRESSION
CRUSHED GRANITE	1" X 1/8"	25,000	WET SUPPRESSION
CRUSHED GRANITE	1/2" X 1/8"	15,000	WET SUPPRESSION
CRUSHED GRANITE	1/8" X 0"	15,000	WET SUPPRESSION

	0	1	î		-	-	1	1	1/		122	1
1/	0	6	31591	0	0	5	/	0000	X	0	0	11

1.	Name of firm or organization:	reekWood Resources, LLC	Do not write in this space	
2.	for each type of process or for material from, or provides input	multiple units of one proce t material to, another opera	ur facility: (separate forms are to be sess type. If the unit or process recention, please indicate the relationships ach alternative operating scenario.	ives input
	Operating scenario number 1	_		
	Emission Point C-3 Conveyor. Crushed an	nd screened granite is received from	Screen SCR-1, and discharges into a stockpile.	
				H-AHIII-IIII
_	_ , ,		36" x 60' Conveyor	
3	. Type of unit or process (e.g., ca	alcining kiln, cupola furnac	e):	
	Make: unbranded	Mode	el: <sup>36" × 60'</sup>	
	Rated process capacity (manuf	facturer's or designer's gua	aranteed maximum) in pounds/hour:	100 Tons/Hr
	Manufactured date: 2015		Proposed installation date:	Summer 2021
	37-37-37-37-37-37-37-37-37-37-37-37-37-3		riginal installation date (if existing):	
			or Modification date ( if applicable):	
4	Normal anausting askedular	Neconstruction	or modification date (11 applicable).	
4.	Normal operating schedule:			
	Hours per day: 10	Days per <sup>5</sup> week:	Weeks per year: 52	
	Peak production season (if any):	Construction Season - April throug	h October	

FUAL	capacity		ADEM Form		elude fuel used by ind	312,000
equipment previo	ously des	scribed on	ADEM Form			irect heating
equipment previo	ously des	scribed on	ADEM Form			irect heating
Fuel Co Coal Fuel Oil Natural Gas P. Gas		Units				
Coal Fuel Oil Natural Gas L. P. Gas			Max. % Sulfur	Max. % Ash	Grade No. [fuel oil only]	Supplier [used oil only]
Natural Gas P. Gas		Btu/lb				
P. Gas		Btu/gal				
wer to		Btu/ft³				
Vood		Btu/ft³				
		Btu/lb				
Other (specify)						
7. Products of proc Products  Granite			Quar 2,000 tons per year ma	ntity/year	90 170 C200 C2 C2	nits of production
8. For each regulate any work practice st						affects emissions or processing the granite will be
controlled using wet suppres						NO SOLICE CONTROL OF THE CONTROL OF
Although not anticipated, sho						
shut down until the water sou	urce was ag	ain available.	In addition, at lea	ast one person tra	ained and certified in EPA M	lethod 9 Visual Emissions

9.	Is there any emission control equipment on this emission source?
	Yes No (Where a control device exists, ADEM Form 110 must be completed and attached).

					Stack			
Emission Point	E-W	oordinates N-S	Height Above Grade	Base Elevation (Feet)	Diameter (Feet)	Gas Exit Velocity (Feet/Sec)	Volume of Gas Discharged (ACFM)	Exit Temperature (°F)
C-3	(km) 660999.36	(km) 3619135.36	(Feet)	722		(	(ACFM)	
C-3	660999.36	3619135.36	30	122				
		-						
		+						
								5
		-				-		
				4-				
***		+	+					
						_		
		-	-					
		1						

<sup>\*</sup> Std temperature is 68°F - Std pressure is 29.92" in Hg.

Emission			Potential Emi		Regulatory E	mission Limit
Point	Pollutants	(lb/hr)	(Tons/yr)	Basis of Calculation	(lb/hr)	(units of standard)
SEE ATTACHED	EMISSION CALCULATIONS TABLES					
					1	
	y					

4	•	11-1		£1	-11	
1	2.	Using	а	TIOW	diag	ram:

- (1) Illustrate input of raw materials,
- (2) Label production processes, process fuel combustion, process equipment and air pollution control equipment,
- (3) Illustrate locations of air contaminant release so that emission points under item 10 can be identified.

<b>V</b>	(Check box if extra	pages are attached)
	Process flow	

could become airbor  ✓ Yes	ne? rial stored in piles or in s ns?		n finely divided materials which o make possible the creation of
List storage piles or  Type of material	Particle size (diameter or screen size)	Pile size or facility (average tons)	Methods utilized to control fugitive emissions (wetted, covered, etc.)
CRUSHED GRANITE	1 1/2" X 3/4"	15,000	WET SUPPRESSION
CRUSHED GRANITE	3/4" X 0"	25,000	WET SUPPRESSION
CRUSHED GRANITE	1" X 1/8"	25,000	WET SUPPRESSION
CRUSHED GRANITE	1/2" X 1/8"	15,000	WET SUPPRESSION
CRUSHED GRANITE	1/8" X 0"	15,000	WET SUPPRESSION
me of person prepari	ng application:	Major	12/04/2020

					_		_	_
10	1	00	21	- 1	11	0	^	1
110	6 -	100	×1	_	V	0	0	I/

۱.	Name of firm or	r organization:_	CreekWood Resource	es, LLC	Do not write in this spa	ice
2.	for each type of material from,	of process or fo or provides inpu	r multiple units ut material to, a	of one process to nother operation	cility: (separate forms are type. If the unit or proces , please indicate the relati alternative operating sce	s receives input onship between
	Operating scer	nario number 1				
	Emission Point C-4	Conveyor. Crushed a	and screened granite	is received from Scree	n SCR-1, and discharges into a stoo	kpile.
						***
						•
		10.11.11.11.11.11.11.11.11.11.11.11.11.1				
			1			
	A					
3.	Type of unit or	process (e.g., c	alcining kiln, cu	ipola furnace):	30" x 85' Conveyor	
	Make: unbrand	led		Model: 3	10" x 85'	
	Rated process	capacity (manu	ıfacturer's or de		teed maximum) in pounds/	hour: 150 Tons/Hr
	Manufactured	2012			Proposed installation	
	Manufactured	<u> </u>		0-1-1	nal installation date (if exis	
			_			
			Red	construction or N	lodification date ( if applic	able): <sup>۱۷</sup>
4.	Normal operati	ing schedule:				
	Hours per day:	: 10	Days per week:		Weeks per year: 52	

	Material		Proces	s Rate Average (lb/hr)	e Maximum (lb/hr)	Quantity tons/year
Crushed and Scree	ned Granite		150 Tons per Hour		150 Tons/Hour	468,000
6. Total heat in	nput capacit	v of process	s heating equ	uipment (exclu	ude fuel used by inc	direct heating
	Heat Content				MMBtu/hr  Grade No. [fuel oil only]	Supplier [used oil only]
oal		Btu/lb		1,10,1	(	(
uel Oil		Btu/gal				
atural Gas		Btu/ft³				
P. Gas		Btu/ft³				
ood		Btu/lb				
ther (specify)						
7. Products of	process or u	-	Quar 8,000 tons per year	ntity/year	tons per hour	nits of production
B. For each reg	ice standard	(attach add	litional page	if necessary)	ce operation which : Fugitive emissions from tormwater management ba	affects emissions or a processing the granite will be asins, and a quarry sump.
	suppression. Wat	ci wiii be piiinai				
ontrolled using wet s			for wet suppress	sion be interrupted	d and temporarily unavailab	ble, the crushing plant would

5. Materials (feed input) used in unit or process (include solid fuel materials used, if any):

9.	Is there any emission control equipment on this emission source?
	Yes No (Where a control device exists, ADEM Form 110 must be completed and attached).

					Stack			
Emission Point	E-W	oordinates N-S	Height Above Grade	Base Elevation (Feet)	Diameter (Feet)	Gas Exit Velocity (Feet/Sec)	Volume of Gas Discharged (ACFM)	Exit Temperature (°F)
	(km)	(km)	(Feet)	1000 50000	coar se	(1 660 360)	(ACFM)	(1)
C-4	660999.36	3619135.36	30	722				

<sup>\*</sup> Std temperature is 68°F - Std pressure is 29.92" in Hg.

Emission			Potential Emis		Regulatory E	mission Limit
Emission Point	Pollutants	(lb/hr)	(Tons/yr)	Basis of Calculation	(lb/hr)	(units of standard)
SEE ATTACHED	EMISSION CALCULATIONS TABLES					
			-			

1	2.	Using	a	flow	diagra	ım:
•		9	-			

- (1) Illustrate input of raw materials,
- (2) Label production processes, process fuel combustion, process equipment and air pollution control equipment,
- (3) Illustrate locations of air contaminant release so that emission points under item 10 can be identified.

 (Check box if extra p	pages are attached)
 Process flow of	

fugitive dust problem  ✓ Yes   No		some other facility as to	o make possible the creation of
Type of material	Particle size (diameter or screen size)	Pile size or facility (average tons)	Methods utilized to control fugitive emissions (wetted, covered, etc.)
CRUSHED GRANITE	1 1/2" X 3/4"	15,000	WET SUPPRESSION
CRUSHED GRANITE	3/4" X 0"	25,000	WET SUPPRESSION
CRUSHED GRANITE	1" X 1/8"	25,000	WET SUPPRESSION
CRUSHED GRANITE	1/2" X 1/8"	15,000	WET SUPPRESSION
CRUSHED GRANITE	1/8" X 0"	15,000	WET SUPPRESSION

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	lame of firm or organization:_	CreekWood Resources, LLC	Do not write in this space	-
fo	or each type of process or fo naterial from, or provides inp	r multiple units of one pro ut material to, another ope	our facility: (separate forms are to be subn cess type. If the unit or process receives ration, please indicate the relationship bet each alternative operating scenario.	input
C	perating scenario number 1	_		
E	Emission Point C-5 Conveyor. Crushed a	and screened granite is received from	n Screen SCR-1, and discharges into Surge Bin DH-2.	
-				
(E				
_				
-	Type of unit or process (e.g., o		del: 36" x 60' Conveyor	
	лаке:			
F	2015	ıfacturer's or designer's gu	uaranteed maximum) in pounds/hour: 300 To	
	Manufactured date: 2015		ACC ROPE A VICE VID. NA DRY CARDINARIO	
٨			Proposed installation date: Summ	
٨		E III	Proposed installation date: Summ Original installation date (if existing): n/a	
N				
	lormal operating schedule:		Original installation date (if existing): n/a	
1. N	lormal operating schedule: lours per day: 10		Original installation date (if existing): n/a	

	Material		Proces	s Rate Average (lb/hr)	e Maximum (lb/hr)	Quantity tons/year
Crushed and Screen	ned Granite		300 Tons per Hour		300 Tons/Hour	936,000
	e .					
			ADEM Form		ude fuel used by inc MMBtu/hr	200 - 140 (Section & Martine State on 1 € 1)
Fuel	Heat Content	Units	Max. % Sulfur	Max. % Ash	Grade No. [fuel oil only]	Supplier [used oil only]
oal		Btu/lb				
uel Oil		Btu/gal				
atural Gas		Btu/ft³				
P. Gas		Btu/ft³				
lood		Btu/lb				
ther (specify)						
7. Products of Products		_	Quar 6,000 tons per year	ntity/year	U tons per hour	nits of production
					<del></del>	
ny work practi	ce standard	(attach add	ditional page	if necessary)		affects emissions or processing the granite will asins, and a quarry sump.
any work praction	ce standard uppression. Wat	(attach adder will be prima	ditional page rily sourced/recyc	if necessary)	: Fugitive emissions from tormwater management ba	processing the granite will

Э.	is there	any e	mission control	equipment on th	iis emission s	source?		
	✓Yes	□No	(Where a contr	rol device exists,	, ADEM Form	110 must be	completed and	d attached).

	Stack									
Emission Point	UTM Co	N-S (km)	Height Above Grade (Feet)	Base Elevation (Feet)	Diameter (Feet)	Gas Exit Velocity (Feet/Sec)	Volume of Gas Discharged (ACFM)	Exit Temperature (°F)		
C-5	660999.36	3619135.36	20	722			(AOI III)			
							\1			
				2,						

<sup>\*</sup> Std temperature is 68°F - Std pressure is 29.92" in Hg.

Emission		·	Potential Em	issions	Regulatory Er	nission Limit	
Point	Pollutants	Pollutants (lb/hr)		Basis of Calculation	(lb/hr)	(units of standard)	
SEE ATTACHED	EMISSION CALCULATIONS TABLES						
1							
						<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>	

12.	Using	a flow	diagram	•

- (1) Illustrate input of raw materials,
- (2) Label production processes, process fuel combustion, process equipment and air pollution control equipment,
- (3) Illustrate locations of air contaminant release so that emission points under item 10 can be identified.

<b>7</b>	(Check box if extra pages are	e attached)
	Process flow diagram	

Does the input mater could become airbor  Yes No If "yes", is this mater fugitive dust problem  Yes No	ne? rial stored in piles or in s ns?	process or unit contain	ed and attached.) in finely divided materials which o make possible the creation of
List storage piles or	Particle size (diameter or screen size)	Pile size or facility (average tons)	Methods utilized to control fugitive emissions (wetted, covered, etc.)
CRUSHED GRANITE	1 1/2" X 3/4"	15,000	WET SUPPRESSION
CRUSHED GRANITE	3/4" X 0"	25,000	WET SUPPRESSION
CRUSHED GRANITE	1" X 1/8"	25,000	WET SUPPRESSION
CRUSHED GRANITE	1/2" X 1/8"	15,000	WET SUPPRESSION
CRUSHED GRANITE	1/8" X 0"	15,000	WET SUPPRESSION
me of person preparin	ng application:	Major	Date: 12/04/2020

					_,				_
20	6	_	00	5/		XO	0	1	
		1			<b>-</b>				-

	Name of firm or organization:	CreekWood Resources, LLC	Do not write in this space	
2.	for each type of process or for material from, or provides inpu	r multiple units of one pro ut material to, another ope on should be completed fo	your facility: (separate forms are to be submitted becess type. If the unit or process receives inputeration, please indicate the relationship between the reach alternative operating scenario.	ut
			m crusher CR-2, and discharges onto Screen SCR-2.	
	2 <del></del>			- 11 CHO.
3	. Type of unit or process (e.g., c	alcining kiln, cupola furna	Ace): 48" x 55' Conveyor	
	unbranded			
	Make:	Mo	del: 48" x 55'	
	маке:		del: 48" x 55' uaranteed maximum) in pounds/hour: 300 Tons/h	Hr
	маке:			
	Rated process capacity (manu		uaranteed maximum) in pounds/hour: 300 Tons/h	
	Rated process capacity (manu	ıfacturer's or designer's g	uaranteed maximum) in pounds/hour: 300 Tons/h Proposed installation date: Summer 20	
1.	Rated process capacity (manu	ıfacturer's or designer's g	Proposed installation date: Summer 20 Original installation date (if existing): n/a	
4.	Rated process capacity (manufactured date: 2012	ıfacturer's or designer's g	Proposed installation date: Summer 20 Original installation date (if existing): n/a	

706	Material		Process	Rate Averag (lb/hr)	ge Maximum (lb/hr)	Quantity tons/year	
Crushed and Scree	ned Granite		300 Tons per Hour		300 Tons/Hour	936,000	
	nput capacity previously de				lude fuel used by inc	lirect heating	
Fuel	Heat Content	Units	Max. % Sulfur	Max. % Ash	Grade No. [fuel oil only]	Supplier [used oil only]	
oal		Btu/lb					
iel Oil		Btu/gal					
atural Gas		Btu/ft³					
P. Gas		Btu/ft³					
ood		Btu/lb					
ther (specify)							
. Products of	f process or i lucts	unit: 		itity/year		nits of production	
		936	,000 tons per year		tons per hour		
anite  3. For each reg		tant, describ	pe any limita		rce operation which	affects emissions or	
. For each req ny work pract	ice standard	tant, descrik (attach add	pe any limita itional page	if necessary	rce operation which	processing the granite will be	
. For each reg ny work pract	ice standard suppression. Wat	tant, descrik (attach add	pe any limita itional page ly sourced/recyc	if necessary	rce operation which  '): Fugitive emissions from  stormwater management ba	processing the granite will be	

5. Materials (feed input) used in unit or process (include solid fuel materials used, if any):

9.	Is there any emission control equipment on this emission source?
	✓Yes ☐No (Where a control device exists, ADEM Form 110 must be completed and attached).

	Stack									
Emission Point	E-W	oordinates N-S	Height Above Grade	Base Elevation (Feet)	Diameter (Feet)	Gas Exit Velocity (Feet/Sec)	Volume of Gas Discharged (ACFM)	Exit Temperature (°F)		
C-6	(km) 660999.36	(km) 3619135.36	(Feet)	722		**************************************	(ACFM)			
		+								
		+								
				5						
		+								
		+								
		+	1							
		-	-							
								_		

<sup>\*</sup> Std temperature is 68°F - Std pressure is 29.92" in Hg.

Emission		T	Potential Emi	Regulatory Emission Limit			
Point	Pollutants	(lb/hr)	(Tons/yr)	Basis of Calculation	(lb/hr)	(units of standard)	
SEE ATTACHED	EMISSION CALCULATIONS TABLES						

12.	Hoina	a flow	diagran	<b>n</b> .
12.	Using	a HOW	diagran	٠.

- (1) Illustrate input of raw materials,
- (2) Label production processes, process fuel combustion, process equipment and air pollution control equipment,
- (3) Illustrate locations of air contaminant release so that emission points under item 10 can be identified.

 (Check box if extra pages are attached)	1
 Process flow diagram	

✓ Yes    ☐ No			
List storage piles or  Type of material	Particle size (diameter or screen size)	Pile size or facility (average tons)	Methods utilized to control fugitive emissions (wetted, covered, etc.)
CRUSHED GRANITE	1 1/2" X 3/4"	15,000	WET SUPPRESSION
CRUSHED GRANITE	3/4" X 0"	25,000	WET SUPPRESSION
CRUSHED GRANITE	1" X 1/8"	25,000	WET SUPPRESSION
CRUSHED GRANITE	1/2" X 1/8"	15,000	WET SUPPRESSION
CRUSHED GRANITE	1/8" X 0"	15,000	WET SUPPRESSION

	_		1	_	_					_	_	-
2	D	6	200	6	0	5	1	923	$ \chi $	D	0	

Name of firm or organization:  CreekWood Resources, LLC  Do not write in this series.  Briefly describe the operation of this unit or process in your facility: (separate forms a for each type of process or for multiple units of one process type. If the unit or process material from, or provides input material to, another operation, please indicate the relative operations.) An application should be completed for each alternative operating series.	re to be submitted
1	ess receives input ationship between
Operating scenario number 1	
Emission Point C-7 Conveyor. Oversized crushed and screened granite is received from the top deck of Screen SCR	-2 and discharges into
Surge Bin DH-2.	
3. Type of unit or process (e.g., calcining kiln, cupola furnace): 36" x 60' Conveyor	
Make: unbranded Model: 36" x 60'	
Rated process capacity (manufacturer's or designer's guaranteed maximum) in pound	ls/hour: 100 Tons/Hr
Rated process capacity (manufacturer's or designer's guaranteed maximum) in pound  Manufactured date: 2015 Proposed installation	
	on date: Summer 2021
Manufactured date: 2015 Proposed installation	on date: Summer 2021 xisting): n/a
Manufactured date:   Proposed installation  Original installation date (if e	on date: Summer 2021 xisting): n/a
Manufactured date: 2015 Proposed installation Original installation date (if e	on date: Summer 2021  xisting): n/a icable): n/a

Crushed and Screened G	Granite		100 Tons per Hour		100 Tons/Hour	312,000
Total heat inpu     equipment pre					ude fuel used by ind	lirect heating
Fuel	Heat Content	Units	Max. % Sulfur	Max. %	Grade No. [fuel oil only]	Supplier [used oil only]
Coal		Btu/lb				
uel Oil		Btu/gal				
atural Gas		Btu/ft³				
. P. Gas		Btu/ft³				
lood	1	Btu/lb				
ther (specify)						
7. Products of pro			Quar	ntity/year	Ui	nits of production
			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
any work practice	standard	(attach add	itional page	if necessary		affects emissions or processing the granite will be sins, and a quarry sump.
Ithough not anticipated,	should the wa	ter supply used	for wet suppress	sion be interrupte	d and temporarily unavailab	ole, the crushing plant would
hut down until the water s	source was a	gain available.	n addition, at lea	ast one person tra	ined and certified in EPA M	lethod 9 Visual Emissions

5. Materials (feed input) used in unit or process (include solid fuel materials used, if any):

9.	Is there any emission control equipment on this emission source?
	Yes No (Where a control device exists, ADEM Form 110 must be completed and attached).

	Stack									
Emission Point	E-W	oordinates N-S	Height Above Grade	Base Elevation (Feet)	Diameter (Feet)	Gas Exit Velocity (Feet/Sec)	Volume of Gas Discharged (ACFM)	Exit Temperature (°F)		
C-7	(km) 660999.36	(km) 3619135.36	(Feet)	722		•	(ACFM)	(		
G-7	000999.30	3619135.36	20	122						
		-	+							
		+	+							
		+								
			-							
			-							

<sup>\*</sup> Std temperature is 68°F - Std pressure is 29.92" in Hg.

Emission			Potential Emis	Regulatory Emission Limit			
Point	Pollutants	(lb/hr)	(Tons/yr)	Basis of Calculation	(lb/hr)	(units of standard)	
SEE ATTACHED	EMISSION CALCULATIONS TABLES						
	4						

12.	Using	a flow	diagram	1

- (1) Illustrate input of raw materials,
- (2) Label production processes, process fuel combustion, process equipment and air pollution control equipment,
- (3) Illustrate locations of air contaminant release so that emission points under item 10 can be identified.

<b>V</b>	(Check box if extra pages are attached)
	Process flow diagram

could become airbor Yes \sum No  If "yes", is this mater fugitive dust problen  Yes \sum No	rne? rial stored in piles or in s ns?	•	in finely divided materials which
List storage piles or  Type of material	Particle size (diameter or screen size)	Pile size or facility (average tons)	Methods utilized to control fugitive emissions (wetted, covered, etc.)
CRUSHED GRANITE	1 1/2" X 3/4"	15,000	WET SUPPRESSION
CRUSHED GRANITE	3/4" X 0"	25,000	WET SUPPRESSION
CRUSHED GRANITE	1" X 1/8"	25,000	WET SUPPRESSION
CRUSHED GRANITE	1/2" X 1/8"	15,000	WET SUPPRESSION
CRUSHED GRANITE	1/8" X 0"	15,000	WET SUPPRESSION
me of person prepari	ng application:	Major	Date: 12/04/2020

	20	6	-	0	0	5	1	-	X	0	0	1
--	----	---	---	---	---	---	---	---	---	---	---	---

١.	Name of firm or organization:	CreekWood Resources, LLC	Do not write in this space
2.	for each type of process or for material from, or provides input the operations.) An application	r multiple units of one proc ut material to, another oper	ur facility: (separate forms are to be submitted ess type. If the unit or process receives input ation, please indicate the relationship between each alternative operating scenario.
	Operating scenario number 1	_	
	Emission Point C-8 Conveyor. Crushed a	and screened granite is received from	Screen SCR-2, and discharges onto either conveyor C-9
	or Conveyor C-12.	·	
	-		
			001 - 001 0
3	. Type of unit or process (e.g., c	alcining kiln, cupola furnac	e): 30" x 60' Conveyor
	Make: unbranded	Mod	el: 30" x 60'
	Rated process capacity (manu	facturer's or designer's gu	aranteed maximum) in pounds/hour: 100 Tons/Hr
	Manufactured date: 2012		Proposed installation date: Summer 2021
		(	Original installation date (if existing): n/a
		Reconstruction	or Modification date ( if applicable): n/a
		noodinati motion	or wodification date ( if applicable).
1.	Normal operating schedule:	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	or modification date ( if applicable).
4.	Normal operating schedule:  Hours per day: 10	Days per <sup>5</sup> week:	Weeks per year: 52

	Material		Proces	s Rate Averag (lb/hr)	je Maximum (lb/hr)	Quantity tons/year
Crushed and Screen	ned Granite		100 Tons per Hour		100 Tons/Hour	312,000
			s heating equ ADEM Form		lude fuel used by ind	irect heating
Fuel	Heat Content	Units	Max. % Sulfur	Max. % Ash	Grade No. [fuel oil only]	Supplier [used oil only]
Coal		Btu/lb				
uel Oil		Btu/gal				
atural Gas		Btu/ft³				
. P. Gas		Btu/ft³				
/ood		Btu/lb				
ther (specify)						
7. Products of			Quar	ntity/year	Ui	nits of production
	ce standard	(attach add	litional page	if necessary		affects emissions or processing the granite will be sins, and a quarry sump.
ontrolled using wet su	-bb					
	<del></del>	ater supply used	for wet suppress	sion be interrupte	d and temporarily unavailab	le, the crushing plant would
Ithough not anticipate	ed, should the wa		a establica		d and temporarily unavailab ained and certified in EPA M	Super Speciment and the second

5. Materials (feed input) used in unit or process (include solid fuel materials used, if any):

9.	is there	any er	nission	control ed	luipment on t	nis emissioi	source?			
	Yes	⊟No	(Where	a control	device exists	. ADEM For	m 110 must	be complete	d and attac	hed).

					Stack			
Emission Point	UTM Co	N-S (km)	Height Above Grade (Feet)	Base Elevation (Feet)	Diameter (Feet)	Gas Exit Velocity (Feet/Sec)	Volume of Gas Discharged (ACFM)	Exit Temperature (°F)
C-8	660999.36	3619135.36	15	722		1983 Care Co. 1983 Care Care Care Care Care Care Care Care	(ACFW)	10) - 70
		4						
		+						
			<del>                                     </del>					
		-	-					
						_		_

<sup>\*</sup> Std temperature is 68°F - Std pressure is 29.92" in Hg.

Emissism			Potential Emi	ssions	Regulatory E	mission Limit
Emission Point	Pollutants	(lb/hr)	(Tons/yr)	Basis of Calculation	(lb/hr)	(units of standard)
SEE ATTACHED	EMISSION CALCULATIONS TABLES					
				1		

12.	Using	a flow	diagram	

- (1) Illustrate input of raw materials,
- (2) Label production processes, process fuel combustion, process equipment and air pollution control equipment,
- (3) Illustrate locations of air contaminant release so that emission points under item 10 can be identified.

$\checkmark$	(Check box if extra pages are attached)
	Process flow diagram

could become airbor  Yes No  If "yes", is this mater	rne? rial stored in piles or in s		n finely divided materials which o make possible the creation of
fugitive dust problen  Yes No  List storage piles or	other facility (if any):		
Type of material	Particle size (diameter or screen size)	Pile size or facility (average tons)	Methods utilized to control fugitive emissions (wetted, covered, etc.)
CRUSHED GRANITE	1 1/2" X 3/4"	15,000	WET SUPPRESSION
CRUSHED GRANITE	3/4" X 0"	25,000	WET SUPPRESSION
CRUSHED GRANITE	1" X 1/8"	25,000	WET SUPPRESSION
CRUSHED GRANITE	1/2" X 1/8"	15,000	WET SUPPRESSION
CRUSHED GRANITE	1/8" × 0"	15,000	WET SUPPRESSION
· · · · · · · · · · · · · · · · · · ·			
me of person prepa <i>r</i> ii	Jeffrey	Major	

206	-005/-X001
CreekWood Resources, LLC	Do not write in this space

	Name of firm or organization:			
2.	for each type of process or for material from, or provides inpu	of this unit or process in your faci multiple units of one process ty t material to, another operation, n should be completed for each a	pe. If the unit or process rece please indicate the relationship	ves input
	Operating scenario number 1	_		
		nd screened granite is received from conveyo	or C-8, and discharges into a stockpile.	
				-
				•
_	T	-1-:	0" x 80' Conveyor	
3	. Type of unit or process (e.g., ca	alcining kiin, cupola furnace):	o not comejor	
	Make: unbranded	Model: 30"	× 80'	
	маке:	Model:		100 Tons/Hr
	Rated process capacity (manuf	Model: <sup>30</sup> " facturer's or designer's guarante	ed maximum) in pounds/hour:	
	маке:	facturer's or designer's guarante	ed maximum) in pounds/hour: Proposed installation date:	Summer 2021
	Rated process capacity (manuf	facturer's or designer's guarante	ed maximum) in pounds/hour:	Summer 2021
	Rated process capacity (manuf	facturer's or designer's guarante  Origina	ed maximum) in pounds/hour: Proposed installation date:	Summer 2021 n/a
4.	Rated process capacity (manuf	facturer's or designer's guarante  Origina	ed maximum) in pounds/hour: Proposed installation date: al installation date (if existing):	Summer 2021 n/a
4.	Rated process capacity (manufactured date: 2015	facturer's or designer's guarante  Origina	ed maximum) in pounds/hour: Proposed installation date: al installation date (if existing):	Summer 2021 n/a
4.	Rated process capacity (manufactured date: 2015	facturer's or designer's guarante  Origina	ed maximum) in pounds/hour: Proposed installation date: al installation date (if existing):	Summer 2021 n/a
4.	Rated process capacity (manufactured date: 2015  Normal operating schedule:	facturer's or designer's guarante  Origina  Reconstruction or Mo	Proposed installation date: al installation date (if existing): diffication date (if applicable):  Weeks per year: 52	Summer 2021 n/a

Material			Proces	s Rate Average (lb/hr)	Maximum (lb/hr)	Quantity tons/year	
Crushed and Screened Granite		100 Tons per Hour		100 Tons/Hour	312,000		
equipment p	put capacity reviously de Heat	escribed on	s heating equ ADEM Form	uipment (exclu 104): n/a Max. %	ude fuel used by indMMBtu/hr Grade No.	lirect heating Supplier	
Fuel	Content	Units	Sulfur	Ash	[fuel oil only]	[used oil only]	
Coal		Btu/lb					
uel Oil		Btu/gal					
latural Gas		Btu/ft <sup>3</sup>				N.	
P. Gas		Btu/ft³					
Vood		Btu/lb					
Other (specify)							
7. Products of Products			Quar 2,000 tons per year	ntity/year	tons per hour	nits of production	
						affects emissions o	
		(attach add	ilional page				
any work practi	ce standard			cled from on-site sto	ormwater management ba	sins, and a quarry sump.	
any work praction	ce standard	er will be prima	rily sourced/recyc			sins, and a quarry sump.	

9.	Is there any emission control equipment on this emission source?
	Yes No (Where a control device exists, ADEM Form 110 must be completed and attached).

UTM Co	2008 (2)	1000					Stack								
E-W	N-S	Height Above Grade	Base Elevation (Feet)	Diameter (Feet)	Gas Exit Velocity (Feet/Sec)	Volume of Gas Discharged	Exit Temperature (°F)								
660999.36	3619135.36	30	722			(ACI III)									
	+														
	-														
	(km)	(km) (km)	(km) (km) (Feet)	(km) (km) (Feet) (Feet)	(km) (km) (Feet) (Feet)	(km) (km) (Feet) (Feet) (Feet/Sec)	(km) (km) (Feet) (Feet) (Feet/Sec) Discharged (ACFM)								

<sup>\*</sup> Std temperature is 68°F - Std pressure is 29.92" in Hg.

Emission Point	Pollutants	T T	Potential Emi	Regulatory Emission Limit		
		(lb/hr)	(Tons/yr)	Basis of Calculation	(lb/hr)	(units of standard)
SEE ATTACHED	EMISSION CALCULATIONS TABLES					

12.	Usina	a flow	diagran	1:
	3			

- (1) Illustrate input of raw materials,
- (2) Label production processes, process fuel combustion, process equipment and air pollution control equipment,
- (3) Illustrate locations of air contaminant release so that emission points under item 10 can be identified.

<b>V</b>	(Check box if extra pages are attached)	
	Process flow diagram	

-	s this unit or process ☑Yes    No	in compliance with all	applicable air pollution	n rules and regulations?	
(	if "no", a compliance	schedule, ADEM Form	437 must be complete	ed and attached.)	
	Does the input materi could become airborn		process or unit contai	n finely divided materials which	
2	Yes No				
f	f "yes", is this materi ugitive dust problem ☑Yes   ☑No .ist storage piles or o	s?	ome other facility as to	o make possible the creation of	
Г	Tune of motorial	Particle size	Pile size or facility	Methods utilized to control fugitive emissions	
	Type of material	(diameter or screen size)	(average tons)	(wetted, covered, etc.)	
С	RUSHED GRANITE	1 1/2" X 3/4"	15,000	WET SUPPRESSION	
CI	RUSHED GRANITE	3/4" X 0"	25,000	WET SUPPRESSION	
С	RUSHED GRANITE	1" X 1/8"	25,000	WET SUPPRESSION	
С	RUSHED GRANITE	1/2" X 1/8"	15,000	WET SUPPRESSION	
С	RUSHED GRANITE	1/8" X 0"	15,000	WET SUPPRESSION	
	e of person preparipature:	gapplication:	Major	Date: 12/04/2020	

			206 -	0051-1001	
1.	. Name of firm or organization: CreekWo	od Resour	rces, LLC	Do not write in this space	
2.	Briefly describe the operation of this for each type of process or for multi material from, or provides input mate the operations.) An application should be a second or control of the control of t	ple unit	s of one process another operation	s type. If the unit or process rece on, please indicate the relationship	ives input
	Operating scenario number 1				
	Emission Point C-10 Conveyor. Crushed and was	hed granite	e is received from Scre	en SCR-3, and discharges into a stockpile.	
					976-147 a 11100 a 1110 a 1110 a 1110 a 1110
3.	3. Type of unit or process (e.g., calcinin	g kiln, c	cupola furnace):	30" x 90' Conveyor	
	Make: unbranded		Model:	30" x 90'	_
	Rated process capacity (manufactur	er's or c	designer's guara	nteed maximum) in pounds/hour:	100 Tons/Hr
	Manufactured date: 2015			Proposed installation date:	Summer 2021
			Orig	ginal installation date (if existing):	n/a
		Re	econstruction or	Modification date ( if applicable):	n/a
4.	. Normal operating schedule:			2 500 = 2	
		ıys per eek:	5	Weeks per year: 52	

Construction Season - April through October

any):

Peak production season (if

	Material		Proces	s Rate Averaç (lb/hr)	ge Maximum (lb/hr)	Quantity tons/year
Crushed and Screen	ned Granite		100 Tons per Hour		100 Tons/Hour	312,000
equipment p		escribed on	s heating equ ADEM Form		lude fuel used by in MMBtu/hr Grade No.	direct heating Supplier
Fuel	Content	Units	Sulfur	Ash	[fuel oil only]	[used oil only]
oal		Btu/lb				
uel Oil		Btu/gal				
atural Gas		Btu/ft <sup>3</sup>				
P. Gas		Btu/ft <sup>3</sup>				
lood		Btu/lb				
7. Products of Prod			Quar	ntity/year	tons per hou	Jnits of production
any work practi	ce standard	(attach add	ditional page	if necessary	): Fugitive emissions fro	h affects emissions or m processing the granite will b pasins, and a quarry sump.
any work praction	ce standard uppression. Wat	(attach add er will be prima	ditional page rily sourced/recyc	if necessary	<ul> <li>r): Fugitive emissions fro stormwater management be</li> </ul>	m processing the granite will b
any work praction on trolled using wet so atthough not anticipate	ce standard uppression. Wat ed, should the wa	(attach add er will be prima ater supply used	ditional page rily sourced/recyc d for wet suppress	if necessary led from on-site	y): Fugitive emissions fro stormwater management bed and temporarily unavails	m processing the granite will boasins, and a quarry sump.

9.	is there	any e	mission cor	itroi equipme	nt on this en	iission soul	rcer		
	Yes	⊟No	(Where a c	ontrol device	exists. ADE	M Form 11	0 must be co	mpleted and	l attached).

10. Air contaminant emission points: (Each point of emission should be listed separately and numbered so that it can be located on the attached flow diagram):

	Stack									
Emission Point	E-W	oordinates N-S	Height Above Grade	Base Elevation (Feet)	Diameter (Feet)	Gas Exit Velocity (Feet/Sec)	Volume of Gas Discharged (ACFM)	Exit Temperature (°F)		
C-10	(km) 660999.36	(km) 3619135.36	(Feet)	722		•••	(ACFM)	1		
C-10	660999.36	3619135.36	30	122						
			-							
		+								
			ı.							
						4				

<sup>\*</sup> Std temperature is 68°F - Std pressure is 29.92" in Hg.

Emission			Potential Emi	ssions	Regulatory E	mission Limit
Point	Pollutants	(lb/hr)	(Tons/yr)	Basis of Calculation	(lb/hr)	(units of standard)
SEE ATTACHED	EMISSION CALCULATIONS TABLES			L=2 -		

12.	Using	a flow	diagrai	m
	Comig	a now	ulagi al	

- (1) Illustrate input of raw materials,
- (2) Label production processes, process fuel combustion, process equipment and air pollution control equipment,
- (3) Illustrate locations of air contaminant release so that emission points under item 10 can be identified.

 (Check box if extra pages are attached)
Process flow diagram

could become airbor		process or unit contai	n finely divided materials which
✓Yes □No  If "yes", is this mater fugitive dust problem  ✓Yes □No		ome other facility as t	o make possible the creation of
List storage piles or  Type of material	other facility (if any):  Particle size (diameter or screen size)	Pile size or facility (average tons)	Methods utilized to control fugitive emissions (wetted, covered, etc.)
CRUSHED GRANITE	1 1/2" X 3/4"	15,000	WET SUPPRESSION
CRUSHED GRANITE	3/4" X 0"	25,000	WET SUPPRESSION
CRUSHED GRANITE CRUSHED GRANITE	3/4" X 0" 1" X 1/8"	25,000 25,000	WET SUPPRESSION  WET SUPPRESSION
			New York and Approximated
CRUSHED GRANITE	1" X 1/8"	25,000	WET SUPPRESSION

3. 4.	Original installation date (if existing):  Reconstruction or Modification date (if applicable):	Summer 2021 n/a
3.	Make: unbranded Model: Model: 30" x 90'  Rated process capacity (manufacturer's or designer's guaranteed maximum) in pounds/hour:  Manufactured date: 2015 Proposed installation date:	Summer 2021
3.	Make: unbranded Model: 30" x 90'  Rated process capacity (manufacturer's or designer's guaranteed maximum) in pounds/hour:	
3.	Make: unbranded Model: 30" x 90'	150 Tons/Hr
3.	unbranded 30" x 90'	
3.	. Type of unit or process (e.g., calcining kiln, cupola furnace): 30" x 90' Conveyor	
	Operating scenario number  Emission Point C-11 Conveyor. Crushed and screened granite is received from Screen SCR-3, and discharges into a stockpile.	
2.	for each type of process or for multiple units of one process type. If the unit or process rece material from, or provides input material to, another operation, please indicate the relationship the operations.) An application should be completed for each alternative operating scenario.	ives input
	Name of firm or organization:  CreekWood Resources, LLC  Do not write in this space	
٠.		

any):

	Material		Proces	s Rate Averaç (lb/hr)	ge Maximum (lb/hr)	Quantity tons/year
Crushed and Screen	ned Granite		150 Tons per Hour		150 Tons/Hour	468,000
i. Total heat ir equipment p	previously de	y of process escribed on	ADEM Form	104): n/a	lude fuel used by ir MMBtu/hr	04-25
Fuel	Heat Content	Units	Max. % Sulfur	Max. % Ash	Grade No. [fuel oil only]	Supplier [used oil only]
oal		Btu/lb				
uel Oil		Btu/gal				
atural Gas		Btu/ft³				
P. Gas		Btu/ft³				
lood		Btu/lb				
ther (specify)						
7. Products of	ucts		Quar 8,000 tons per year	ntity/year	tons per hou	Units of production
2						
Prod						
2-1-100						
3. For each reg	ce standard	(attach add	litional page	if necessary	): Fugitive emissions fro	om processing the granite will
B. For each reg	ce standard uppression. Wat	(attach add er will be primar	litional page ily sourced/recyc	if necessary	y): Fugitive emissions fro stormwater management	om processing the granite will basins, and a quarry sump.
3. For each reg any work practi ontrolled using wet so	ce standard uppression. Wat ed, should the wa	(attach add er will be primar ater supply used	litional page ily sourced/recycl for wet suppress	if necessary	y): Fugitive emissions from stormwater management and and temporarily unavail	h affects emissions or or processing the granite will basins, and a quarry sump. able, the crushing plant would be

- Is there any emission control equipment on this emission source?
   ✓ Yes ☐ No (Where a control device exists, ADEM Form 110 must be completed and attached).
- 10. Air contaminant emission points: (Each point of emission should be listed separately and numbered so that it can be located on the attached flow diagram):

				_	Stack			
Emission Point	E-W	oordinates N-S	Height Above Grade	Base Elevation (Feet)	Diameter (Feet)	Gas Exit Velocity (Feet/Sec)	Volume of Gas Discharged (ACFM)	Exit Temperature (°F)
		(km) (km) (Feet)	530000000000000000000000000000000000000	~ ~	(1 000000)	(ACFM)	(-r)	
C-11	660999.36	3619135.36	30	722				
		+	1					
	·							
		-						
			-					
						-		

<sup>\*</sup> Std temperature is 68°F - Std pressure is 29.92" in Hg.

Emission		T	Potential Emi		Regulatory E	mission Limit
Point	Pollutants	(lb/hr)	(Tons/yr)	Basis of Calculation	(lb/hr)	(units of standard)
SEE ATTACHED	EMISSION CALCULATIONS TABLES					
			+ +			

12.	Usina	a flow	diagram	•
	Comig	4 11011	alagi alli	۰

- (1) Illustrate input of raw materials,
- (2) Label production processes, process fuel combustion, process equipment and air pollution control equipment,
- (3) Illustrate locations of air contaminant release so that emission points under item 10 can be identified.

<b>V</b>	(Check box if extra	pages a	re attached)
	Process flow		

			ed and attached.) n finely divided materials which
15. If "yes", is this mater fugitive dust problen  ✓ Yes  No		ome other facility as t	o make possible the creation of
List storage piles or  Type of material	Particle size (diameter or screen size)	Pile size or facility (average tons)	Methods utilized to control fugitive emissions (wetted, covered, etc.)
CRUSHED GRANITE	1 1/2" X 3/4"	15,000	WET SUPPRESSION
CRUSHED GRANITE	3/4" X 0"	25,000	WET SUPPRESSION
CRUSHED GRANITE	1" X 1/8"	25,000	WET SUPPRESSION
CRUSHED GRANITE	1/2" × 1/8"	15,000	WET SUPPRESSION
CRUSHED GRANITE	1/8" X 0"	15,000	WET SUPPRESSION

	206-0051-2001
1.	Name of firm or organization:  CreekWood Resources, LLC  Do not write in this space
2.	Briefly describe the operation of this unit or process in your facility: (separate forms are to be submitted for each type of process or for multiple units of one process type. If the unit or process receives input material from, or provides input material to, another operation, please indicate the relationship between the operations.) An application should be completed for each alternative operating scenario.
	Operating scenario number 1
	Emission Point C-12 Conveyor. Crushed and screened granite is received from conveyor C-8, and discharges, as needed onto the stockpile
	supplied by Conveyor C-4.
	Type of unit or process (e.g., calcining kiln, cupola furnace): 30" x 60' Conveyor
3.	Type of unit or process (e.g., calcining kiln, cupola furnace):
	Make: unbranded Model: 30" x 60'
	Rated process capacity (manufacturer's or designer's guaranteed maximum) in pounds/hour: 50 Tons/Hr
	Manufactured date: 2017 Proposed installation date: Summer 2021
	Original installation date (if existing): n/a
	Reconstruction or Modification date ( if applicable): n/a
4.	Normal operating schedule:

Days per 5

Construction Season - April through October

week:

any):

Hours per day: 10

Peak production season (if

Weeks per year: 52

	Material		Process	Rate Averag (lb/hr)	ge Maximum (lb/hr)	Quantity tons/year
Crushed and Screen	ned Granite		50 Tons per Hour		50 Tons/Hour	156,000
			s heating equ ADEM Form Max. % Sulfur		lude fuel used by ind MMBtu/hr Grade No. [fuel oil only]	Supplier
Coal	Content	Btu/lb	Sullur	ASII	[idei oli olily]	[used oil only]
uel Oil		Btu/gal				
atural Gas		Btu/ft³				
P. Gas		Btu/ft³				
lood		Btu/lb				
ther (specify)						
7. Products of			Quar	itity/year		nits of production
			S S S			
	ce standard	(attach add	ditional page	if necessary		affects emissions or processing the granite will busins, and a quarry sump.
ontrolled using wet si	11.					
	ed, should the wa	ater supply used	d for wet suppress	sion be interrupte	ed and temporarily unavailab	ole, the crushing plant would
Although not anticipate					ained and certified in EPA M	

- 9. Is there any emission control equipment on this emission source?✓ Yes ☐No (Where a control device exists, ADEM Form 110 must be completed and attached).
- 10. Air contaminant emission points: (Each point of emission should be listed separately and numbered so that it can be located on the attached flow diagram):

	10		Stack					
- EXIL	Volume of Gas Discharged	Gas Exit Velocity	Diameter (Feet)	Base Elevation	Height Above Grade	ordinates N-S	UTM Co	Emission Point
(°F)	Discharged (ACFM)	(Feet/Sec)	(, , , ,	(Feet)	(Feet)	(km)	(km)	
				722	30	3619135.36	660999.36	C-12
			İ					

<sup>\*</sup> Std temperature is 68°F - Std pressure is 29.92" in Hg.

Emission		Î	Potential Emi	ssions	Regulatory E	mission Limit
Point	Pollutants	(lb/hr)	(Tons/yr)	Basis of Calculation	(lb/hr)	(units of standard)
SEE ATTACHED	EMISSION CALCULATIONS TABLES					
						-
	1	-			-	
	-					
		1				

12.	Using	a flow	diagran	n
	009	a	ulugi ul	•••

- (1) Illustrate input of raw materials,
- (2) Label production processes, process fuel combustion, process equipment and air pollution control equipment,
- (3) Illustrate locations of air contaminant release so that emission points under item 10 can be identified.

<b>V</b>	(Check box if extra pages are attached)
	Process flow diagram

	✓Yes No	schedule, ADEM Form	437 must be complete	n rules and regulations? ed and attached.) n finely divided materials which	
15	If "yes", is this materifugitive dust problem  Yes No  List storage piles or o	s?	ome other facility as to	o make possible the creation of	
	Type of material	Particle size (diameter or screen size)	Pile size or facility (average tons)	Methods utilized to control fugitive emissions (wetted, covered, etc.)	
	CRUSHED GRANITE	1 1/2" X 3/4"	15,000	WET SUPPRESSION	
	CRUSHED GRANITE	3/4" × 0"	25,000	WET SUPPRESSION	
				WET SUPPRESSION	
	CRUSHED GRANITE	1" X 1/8"	25,000	WET GOTT REGGION	
	CRUSHED GRANITE  CRUSHED GRANITE	1" × 1/8"  1/2" × 1/8"	15,000	WET SUPPRESSION	

	Rated process capacity (manufacturer's or designer's guaranteed maximum) in pounds/hour:  Manufactured date:  Proposed installation date:  Original installation date (if existing):  Reconstruction or Modification date ( if applicable):  Normal operating schedule:	/a
	Manufactured date: 2008 Proposed installation date: S	ummer 2021
	nated process capacity (mandiacturer s or designer s guaranteed maximum) in poundsmour.	
	Rated process capacity (manufacturer's or designer's guaranteed maximum) in pounds/hour:	00 Tons/Hr
	Make: Deister Model: 6' x24' Triple Deck	
3	3. Type of unit or process (e.g., calcining kiln, cupola furnace): Screen	
	C-4, or C-5 dependent on the end product being made.	
	through the second screen onto the third screen where it either falls through onto Conveyor C-4 or slides over the top onto either of	onveyor C-3,
	screen deck to conveyor C-5 or falls through the top screen but is retained on the second screen where it slides over to conveyor	C-5, or falls
	Emission Point SCR-1 Triple Deck Screen. Primary crushed granite is received from conveyor C-2, and either slides over the top of	of the top
	the operations.) An application should be completed for each alternative operating scenario.  Operating scenario number 1	
2.	for each type of process or for multiple units of one process type. If the unit or process receive material from, or provides input material to, another operation, please indicate the relationship	es input
	Creekwood Resources, LLC	_
1.	Occalible of Recourses LLC Do not write in this space	

week:

Construction Season - April through October

any):

Peak production season (if

	Material		Proces	s Rate Average (lb/hr)	e Maximum (lb/hr)	Quantity tons/year
Granite (primary crus	shed)		300 Tons per Hour		300 Tons/Hour	936,000
	reviously de		ADEM Form	104): <u>n/a</u>	ude fuel used by in MMBtu/hr	***************************************
Fuel	Heat Content	Units	Max. % Sulfur	Max. % Ash	Grade No. [fuel oil only]	Supplier [used oil only]
oal		Btu/lb				
ıel Oil		Btu/gal				
atural Gas		Btu/ft³				
P. Gas		Btu/ft³				
ood		Btu/lb				
ther (specify)						
. Products of Products	B.		Quar 6,000 tons per year	ntity/year	tons per hou	Inits of production
		ant. descri				n affects emissions or m processing the granite will be
ny work praction	ce standard	(attach add			31 500	72 - 25 - 25
ny work praction	ce standard	(attach adder will be prima	rily sourced/recyc	eled from on-site st		asins, and a quarry sump.
ny work praction of the substitution of the su	ce standard uppression. Wate	(attach adder will be prima	rily sourced/recyc	eled from on-site st	and temporarily unavaila	asins, and a quarry sump.  ble, the crushing plant would  Method 9 Visual Emissions

9.	Is there any emission control equipment on this emission source?						
	Yes No (Where a control device exists, ADEM Form 110 must be completed and attached).						

10. Air contaminant emission points: (Each point of emission should be listed separately and numbered so that it can be located on the attached flow diagram):

			Stack					
Emission Point	UTM Co	N-S (km)	Height Above Grade (Feet)	Base Elevation (Feet)	Diameter (Feet)	Gas Exit Velocity (Feet/Sec)	Volume of Gas Discharged (ACFM)	Exit Temperature (°F)
SCR-1	660999.36	3619135.36	8	722			(AOI III)	
						10.00		
			<del>                                     </del>					
			-					
								7
			<del> </del>					
			1					
		-	-					

<sup>\*</sup> Std temperature is 68°F - Std pressure is 29.92" in Hg.

Emississ			Potential Emi	Regulatory Emission Limit		
Emission Point	Pollutants	(lb/hr)	(Tons/yr)	Basis of Calculation	(lb/hr)	(units of standard)
SEE ATTACHED	EMISSION CALCULATIONS TABLES					
			1			
						1-1

12.	Using	a flow	diagra	m
12.	Using	a now	ulayic	4111

- (1) Illustrate input of raw materials,
- (2) Label production processes, process fuel combustion, process equipment and air pollution control equipment,
- (3) Illustrate locations of air contaminant release so that emission points under item 10 can be identified.

√ (Check box if ext.)	ra pages are attached)
Process flo	

	e schedule, ADEM Form rial or product from this rne?		n finely divided materials which
✓ Yes    ☐ No			
If "yes", is this mater fugitive dust problem		ome other facility as to	o make possible the creation of
Yes No	10:		
List storage piles or	other facility (if any):		
	17 SW (7.15)		Methods utilized to control
Type of material	Particle size (diameter or screen	Pile size or facility (average tons)	fugitive emissions
Type of material			
	(diameter or screen size)	(average tons)	fugitive emissions (wetted, covered, etc.)
CRUSHED GRANITE	(diameter or screen size)	(average tons)	fugitive emissions (wetted, covered, etc.)  WET SUPPRESSION
CRUSHED GRANITE	(diameter or screen size)  1 1/2" X 3/4"  3/4" X 0"	(average tons) 15,000 25,000	fugitive emissions (wetted, covered, etc.)  WET SUPPRESSION  WET SUPPRESSION
CRUSHED GRANITE  CRUSHED GRANITE  CRUSHED GRANITE	(diameter or screen size)  1 1/2" X 3/4"  3/4" X 0"  1" X 1/8"	(average tons)  15,000  25,000  25,000	fugitive emissions (wetted, covered, etc.)  WET SUPPRESSION  WET SUPPRESSION  WET SUPPRESSION
CRUSHED GRANITE  CRUSHED GRANITE  CRUSHED GRANITE  CRUSHED GRANITE	(diameter or screen size)  1 1/2" × 3/4"  3/4" × 0"  1" × 1/8"  1/2" × 1/8"	(average tons)  15,000  25,000  15,000	fugitive emissions (wetted, covered, etc.)  WET SUPPRESSION  WET SUPPRESSION  WET SUPPRESSION
CRUSHED GRANITE  CRUSHED GRANITE  CRUSHED GRANITE  CRUSHED GRANITE	(diameter or screen size)  1 1/2" × 3/4"  3/4" × 0"  1" × 1/8"  1/2" × 1/8"	(average tons)  15,000  25,000  15,000	fugitive emissions (wetted, covered, etc.)  WET SUPPRESSION  WET SUPPRESSION  WET SUPPRESSION

				206.	0051-X001	
			Crook/Mood Book	urose II.C	Do not write in this space	1
1.	Name of	f firm or organization:_	CreekWood Reso	uices, LLC	125	
2.	for each	n type of process or for I from, or provides inpu	r multiple uni ut material to	ts of one process another operation	facility: (separate forms are to be s type. If the unit or process rec on, please indicate the relationshi ch alternative operating scenario.	eives input p between
	Operation	ng scenario number ื				
	Emission	Point SCR-2 Triple Deck Scree	n. Secondary crus	shed granite is received	from conveyor C-6, and either slides over the	top of the
	screen de	ck to conveyor C-7 or falls thro	ugh the top screer	n but is retained on the	second and third screens where it goes to wa	sh screen
	SCR-3 or	it falls through all screens onto	Conveyor C-8.			
			- 30-200-379-300-3-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2			
12					Screen	
3.	Type of	unit or process (e.g., c	alcining kiln,	cupola furnace):	Outeen	
	Make:	Cedarapids		Model:	8' x20' Triple Deck Finishing Screen	
	Rated n	rocess canacity (manu	ıfacturer's or	designer's guara	inteed maximum) in pounds/hour:	300 Tons/Hr
		2017	iluotui oi o oi	accigner 5 guare		
	Manufa	ctured date: 2017	x		Proposed installation date	Summer 2021

4. Normal operating schedule:

Hours per day: 10	Days per <sup>5</sup> week:	Weeks per year:	52
Peak production season (if any):	Construction Season - April through October		

Original installation date (if existing): n/a

Reconstruction or Modification date (if applicable): n/a

	Material		Proces	s Rate Average (lb/hr)	e Maximum (lb/hr)	Quantity tons/year
Granite (secondary	crushed)		300 Tons per Hour		300 Tons/Hour	936,000
equipment p		escribed on	s heating equ ADEM Form		ude fuel used by inc MMBtu/hr Grade No.	lirect heating Supplier
Fuel	Content	Units	Sulfur	Ash	[fuel oil only]	[used oil only]
Coal		Btu/lb				
uel Oil		Btu/gal				
latural Gas		Btu/ft³				
. P. Gas		Btu/ft³				
Vood		Btu/lb				
ther (specify)						
7. Products of		unit: — — —	Quai	ntity/year		nits of production
Sranite		93	66,000 tons per year		tons per hour	
		_				
				tions on sour	ce operation which	affects emissions or
	ce standard	(attach add	ditional page	if necessary	: Fugitive emissions from	n processing the granite will be
any work practi	ce standard uppression. Wat	(attach add er will be prima	ditional page	if necessary	: Fugitive emissions from tormwater management ba	n processing the granite will be asins, and a quarry sump.
any work praction ontrolled using wet so although not anticipate	ce standard uppression. Wat ed, should the wa	(attach add er will be prima ater supply used	ditional page rily sourced/recyc d for wet suppres	if necessary	: Fugitive emissions from tormwater management bad and temporarily unavailal	n processing the granite will be

9.	Is there any emission control equipment on this emission source?
	Yes No (Where a control device exists, ADEM Form 110 must be completed and attached).

10. Air contaminant emission points: (Each point of emission should be listed separately and numbered so that it can be located on the attached flow diagram):

	Stack							
Emission Point	UTM Co	N-S (km)	Height Above Grade (Feet)	Base Elevation (Feet)	Diameter (Feet)	Gas Exit Velocity (Feet/Sec)	Volume of Gas Discharged (ACFM)	Exit Temperature (°F)
SCR-2	660999.36	3619135.36	8	722				
		-	1					
		1						
		-						
		+						
		-			4			
			-					

<sup>\*</sup> Std temperature is 68°F - Std pressure is 29.92" in Hg.

Emission			Potential Emis	Regulatory Emission Limit		
Emission Point	Pollutants	(lb/hr)	(Tons/yr)	Basis of Calculation	(lb/hr)	(units of standard)
SEE ATTACHED	EMISSION CALCULATIONS TABLES					

12.	Hoina	a flaur	diagram
14.	USING	a now	diagram:

- (1) Illustrate input of raw materials,
- (2) Label production processes, process fuel combustion, process equipment and air pollution control equipment,
- (3) Illustrate locations of air contaminant release so that emission points under item 10 can be identified.

<b>V</b>	(Check box if extra	pages are attached)
	Process flow	

14. Does the input mater could become airbor  ✓ Yes	rne? rial stored in piles or in s ns?	process or unit contai	ed and attached.) n finely divided materials which o make possible the creation of
Type of material	Particle size (diameter or screen size)	Pile size or facility (average tons)	Methods utilized to control fugitive emissions (wetted, covered, etc.)
CRUSHED GRANITE	1 1/2" X 3/4"	15,000	WET SUPPRESSION
CRUSHED GRANITE	3/4" × 0"	25,000	WET SUPPRESSION
CRUSHED GRANITE	1" X 1/8"	25,000	WET SUPPRESSION
CRUSHED GRANITE	1/2" X 1/8"	15,000	WET SUPPRESSION
CRUSHED GRANITE	1/8" X 0"	15,000	WET SUPPRESSION
Name of person preparion	ng application:	Major	Date: 12/04/2020

	2	D	6	_ [	6	0	5	1	_	X	0	0	1
--	---	---	---	-----	---	---	---	---	---	---	---	---	---

2.								
	Briefly describe the operation of this unit or process in your facility: (separate forms are to be submitted for each type of process or for multiple units of one process type. If the unit or process receives input material from, or provides input material to, another operation, please indicate the relationship between the operations.) An application should be completed for each alternative operating scenario.							
	Operating scenario number 1	_						
			om Screen SCR-2, is washed, and the rock that slides over					
	the top deck goes to conveyor C-11, the r	rock that falls through the top screen bu	ut is retained on the second screen goes to conveyor C-10,					
	and the material that goes through all of the	he screens and is washed off the large	r rock falls through to Sand Screw SS-1.					
_	(L) 10 10 10		Screen					
3.	. Type of unit or process (e.g., c	alcining kiln, cupola furnace	): Screen					
3.	. Type of unit or process (e.g., can be seen to be seen	alcining kiln, cupola furnace	5' v16' Triple Deck Wash Screen					
3.	Make: Simplicity	Mode	1: 5' x16' Triple Deck Wash Screen					
3	Make: Simplicity  Rated process capacity (manu	Mode	1: 5' x16' Triple Deck Wash Screen ranteed maximum) in pounds/hour: 300 Tons/Hr					
3	Make: Simplicity  Rated process capacity (manu	Mode facturer's or designer's gua	1: 5' x16' Triple Deck Wash Screen  ranteed maximum) in pounds/hour: 300 Tons/Hr  Proposed installation date: Summer 202					
3	Make: Simplicity  Rated process capacity (manu	Mode  facturer's or designer's gua	l: 5' x16' Triple Deck Wash Screen  ranteed maximum) in pounds/hour: 300 Tons/Hr  Proposed installation date: Summer 202'  riginal installation date (if existing): n/a					
3	Make: Simplicity  Rated process capacity (manu	Mode  facturer's or designer's gua	1: 5' x16' Triple Deck Wash Screen  ranteed maximum) in pounds/hour: 300 Tons/Hr  Proposed installation date: Summer 202					
	Make: Simplicity  Rated process capacity (manu	Mode  facturer's or designer's gua	l: 5' x16' Triple Deck Wash Screen  ranteed maximum) in pounds/hour: 300 Tons/Hr  Proposed installation date: Summer 202'  riginal installation date (if existing): n/a					
	Make: Simplicity  Rated process capacity (manufactured date: 2017	Mode  facturer's or designer's gua	l: 5' x16' Triple Deck Wash Screen  ranteed maximum) in pounds/hour: 300 Tons/Hr  Proposed installation date: Summer 202'  riginal installation date (if existing): n/a					

	Material		Proces	s Rate Averag (lb/hr)	ge Maximum (lb/hr)	Quantity tons/year
Granite (secondary	crushed)		300 Tons per Hour		300 Tons/Hour	936,000
equipment		escribed on	ADEM Form		lude fuel used by incMMBtu/hr Grade No.	Supplier
Fuel	Content	Units	Sulfur	Ash	[fuel oil only]	[used oil only]
Coal		Btu/lb				
uel Oil		Btu/gal				
Natural Gas		Btu/ft³				
P. Gas		Btu/ft³				
Vood		Btu/lb				
Other (specify) 7. Products of	process or u	unit:				
Prod	lucts		Quar	ntity/year	U	nits of production
Granite		99	16,000 tons per year		tons per hour	
					): Fugitive emissions from	affects emissions or processing the granite will
any work practi controlled using wet s	uppression. Wat	er will be prima				
any work practicontrolled using wet so	uppression. Wat	er will be prima	d for wet suppress	sion be interrupte	stormwater management band and temporarily unavailaband and certified in EPA N	ole, the crushing plant would

9.	Is there any emission control equipment on this emission source?
	Yes No (Where a control device exists, ADEM Form 110 must be completed and attached).

10. Air contaminant emission points: (Each point of emission should be listed separately and numbered so that it can be located on the attached flow diagram):

	Stack									
Emission Point	UTM Co	N-S (km)	Height Above Grade (Feet)	Base Elevation (Feet)	Diameter (Feet)	Gas Exit Velocity (Feet/Sec)	Volume of Gas Discharged (ACFM)	Exit Temperature (°F)		
SCR-3	660999.36	3619135.36	8	722			(vicini)			
		<del> </del>	-							
			-							
								14		

<sup>\*</sup> Std temperature is 68°F - Std pressure is 29.92" in Hg.

Emission	Pollutants	1	Potential Emi	Regulatory Emission Limit		
Point		(lb/hr)	(Tons/yr)	Basis of Calculation	(lb/hr)	(units of standard)
SEE ATTACHED	EMISSION CALCULATIONS TABLES					
	*<					

12.	Using	a flow	diagram:

- (1) Illustrate input of raw materials,
- (2) Label production processes, process fuel combustion, process equipment and air pollution control equipment,
- (3) Illustrate locations of air contaminant release so that emission points under item 10 can be identified.

 (Check box if extra pages are attached)	•
 Process flow diagram	

14. Does the input mater could become airbor  ✓ Yes □No	ne? ial stored in piles or in s is?	process or unit contai	ed and attached.) In finely divided materials which In make possible the creation of
Type of material	Particle size (diameter or screen size)	Pile size or facility (average tons)	Methods utilized to control fugitive emissions (wetted, covered, etc.)
CRUSHED GRANITE	1 1/2" X 3/4"	15,000	WET SUPPRESSION
CRUSHED GRANITE	3/4" × 0"	25,000	WET SUPPRESSION
CRUSHED GRANITE	1" X 1/8"	25,000	WET SUPPRESSION
CRUSHED GRANITE	1/2" X 1/8"	15,000	WET SUPPRESSION
CRUSHED GRANITE	1/8" × 0"	15,000	WET SUPPRESSION
Name of person preparin	g application:	Major	Date: 12/04/2020

	MANUFACTURING OR PROCESSING OPERATION
	206 - 005/ - X 0 0 1  Do not write in this space
1.	Name of firm or organization:  CreekWood Resources, LLC
2.	Briefly describe the operation of this unit or process in your facility: (separate forms are to be sub for each type of process or for multiple units of one process type. If the unit or process receives material from, or provides input material to, another operation, please indicate the relationship be

2.	for each type of process or for material from, or provides inp	or multiple units of one pro out material to, another ope	your facility: (separate forms are to ocess type. If the unit or process of eration, please indicate the relation or each alternative operating scena	receives input nship between
	Operating scenario number _			
	Emission Point SS-1 Wash Sand Screw	v. Washed crushed granite is receive	ed from Screen SCR-3, and the is conveyed via	screw to
	a stockpile.			
3.	Type of unit or process (e.g.,	calcining kiln, cupola furna	ace): Wash Sand Screw	
	Make: Simplicity	Mo	odel: TXW516S (Sand Screw Portion)	
	Rated process capacity (man	nufacturer's or designer's ç	guaranteed maximum) in pounds/ho	our: 50 Tons/Hr
	Manufactured date: 2017		Proposed installation d	ate: Summer 2021
			Original installation date (if existi	ng): <sup>n/a</sup>
		Reconstructi	on or Modification date ( if applicat	ole): <sup>n/a</sup>
4.	Normal operating schedule:			
	Hours per day: 10	Days per <sup>5</sup> week:	Weeks per year: 52	
	Peak production season (if	Construction Season - April three	ough October	

	Material		Process	s Rate Averag (lb/hr)	e Maximum (lb/hr)	Quantity tons/year
Granite (secondary	crushed and washed)		50 Tons per Hour		50 Tons/Hour	156,000
	nput capacity previously de				ude fuel used by indMMBtu/hrGrade No.	lirect heating Supplier
Fuel	Content	Units	Sulfur	Ash	[fuel oil only]	[used oil only]
Coal		Btu/lb				
uel Oil		Btu/gal				
latural Gas		Btu/ft³				
. P. Gas		Btu/ft³				
Vood		Btu/lb				
Other (specify)						
7 Dundusta of	process or u	unit:	0	NA . 1		
Prod	ucts	156	,000 tons per year	ntity/year	tons per hour	nits of production
	ucts	156	CONTRACTOR OF THE CONTRACTOR O	nuty/year		nits of production
Prod Franite (washed)  8. For each reg	gulated pollut	tant, describ	,000 tons per year	tions on sour	tons per hour	affects emissions or
Prod ranite (washed)  B. For each reg any work practi	julated pollutice standard	tant, descrik (attach add er will be primari	pe any limita itional page	tions on sour if necessary led from on-site s	tons per hour  ce operation which Fugitive emissions from	affects emissions or processing the granite will be sins, and a quarry sump.
Prod  Franite (washed)  8. For each reg any work practiontrolled using wet so	julated pollutice standard uppression. Wated, should the wa	tant, descrik (attach add er will be primari ater supply used	pe any limita itional page ily sourced/recyc	tions on sour if necessary led from on-site s sion be interrupted	tons per hour  ce operation which Fugitive emissions from	affects emissions or processing the granite will busins, and a quarry sump.

- Is there any emission control equipment on this emission source?
   ✓ Yes ☐ No (Where a control device exists, ADEM Form 110 must be completed and attached).
- 10. Air contaminant emission points: (Each point of emission should be listed separately and numbered so that it can be located on the attached flow diagram):

E-W (km)	N-S (km)	Height Above Grade (Feet)	Base Elevation (Feet)	Stack  Diameter (Feet)	Gas Exit Velocity (Feet/Sec)	Volume of Gas Discharged (ACFM)	Exit Temperature (°F)
					(Feboet)	(ACFM)	(1)
99.36	3619135.36	8	722				
		1					
					1		
			The state of the s		urur etc.	A 200 III	
						1000	

<sup>\*</sup> Std temperature is 68°F - Std pressure is 29.92" in Hg.

Emission		Potential Emissions		Regulatory Emission Lin		
Point	Pollutants	(lb/hr)	(Tons/yr)	Basis of Calculation	(lb/hr)	(units of standard)
SEE ATTACHED	EMISSION CALCULATIONS TABLES					
			1			-
		-	-			-
			-			

12.	Using	a flow	diagram	ı:

- (1) Illustrate input of raw materials,
- (2) Label production processes, process fuel combustion, process equipment and air pollution control equipment,
- (3) Illustrate locations of air contaminant release so that emission points under item 10 can be identified.

 (Check box if extra	pages are attached)
Process flow	

			applicable air pollutio	rules and	regulations?
VY	es \_No				
(if "r	no", a compliance	schedule, ADEM Form	437 must be complete	ed and atta	ched.)
	s the input materi ld become airborr	al or product from this ne?	process or unit contai	n finely div	ided materials which
<b>₹</b> Y	es No				
	es", is this materi tive dust problem	al stored in piles or in s s?	ome other facility as t	o make pos	ssible the creation of
Y	es \Box				
List	storage piles or o	ther facility (if any):			
Т	ype of material	Particle size (diameter or screen size)	Pile size or facility (average tons)	fuç	ds utilized to control gitive emissions ted, covered, etc.)
CRUSH	HED GRANITE	1/8" X 0"	15,000		SION - WASHED ROCK
					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
1	•	Jeffrey	Major		
lame o	f person preparin	g application:	Major	Date:	12/04/2020

	ioi no romino on rinocessi		50 E							
	206	0	0	5	1	_ [	X	0	0	1
ion:	CreekWood Resources, LLC		D	o no	t wr	rite i	n th	is s	pace	9

2.	Name of firm or organization:	oreekwood Nesodroes, LLO	Do not write in this space						
	Briefly describe the operation of this unit or process in your facility: (separate forms are to be submitted for each type of process or for multiple units of one process type. If the unit or process receives input material from, or provides input material to, another operation, please indicate the relationship between the operations.) An application should be completed for each alternative operating scenario.								
	Operating scenario number 1	_							
			n a CAT 980M or equivalent loader into the dump hopper. From						
	the dump hopper, over sized material slides over the vibrating grizzly feeder (F-1) to the Primary Jaw Crusher (CR-1). Undersize material								
	falls through the grizzly feeder onto conve	eyor C-1.							
3	. Type of unit or process (e.g., c	277 S S							
3	. Type of unit or process (e.g., convibrating grizzly feeder (F-1), primary jaw of	277 S S	ace).						
3	E. 10 10 10 10 10 10 10 10 10 10 10 10 10	rusher (CR-1), and 48" Primary [	ace).						
3	vibrating grizzly feeder (F-1), primary jaw of Make:  Cedar Rapids (made by Teres	crusher (CR-1), and 48" Primary [	Discharge Conveyor (C-1)						
3	vibrating grizzly feeder (F-1), primary jaw of Make:  Cedar Rapids (made by Teres	crusher (CR-1), and 48" Primary [	oischarge Conveyor (C-1)  CRJ3255						
3	vibrating grizzly feeder (F-1), primary jaw of Make:  Cedar Rapids (made by Terest Rated process capacity (manual capacity)	crusher (CR-1), and 48" Primary [	odel: CRJ3255  guaranteed maximum) in pounds/hour: 300 Tons/Hr						
3	vibrating grizzly feeder (F-1), primary jaw of Make:  Cedar Rapids (made by Terest Rated process capacity (manual capacity)	facturer's or designer's	odel: CRJ3255  guaranteed maximum) in pounds/hour: 300 Tons/Hr  Proposed installation date: Summer 2021						
	vibrating grizzly feeder (F-1), primary jaw of Make:  Cedar Rapids (made by Terest Rated process capacity (manual capacity)	facturer's or designer's	odel: CRJ3255  guaranteed maximum) in pounds/hour: 300 Tons/Hr  Proposed installation date: Summer 2021  Original installation date (if existing): n/a						
	wibrating grizzly feeder (F-1), primary jaw of Make:  Cedar Rapids (made by Terest Rated process capacity (manufactured date:  Manufactured date:	facturer's or designer's	odel: CRJ3255  guaranteed maximum) in pounds/hour: 300 Tons/Hr  Proposed installation date: Summer 2021  Original installation date (if existing): n/a						

	Material		Pro	ocess Rate Avera (lb/hr)	ge Maximum (lb/hr)	Quantity tons/year
Granite Shot Rock	Granite Shot Rock		300 Tons per	Hour	300 Tons/Hour	936,000
equipment p		escribed on		orm 104): n/a	clude fuel used by in MMBtu/hr Grade No.	direct heating Supplier
Fuel	Content	Units	Sulfu		[fuel oil only]	[used oil only]
Coal		Btu/lb	-			
Fuel Oil		Btu/gal				
Natural Gas		Btu/ft³				
L. P. Gas		Btu/ft³				
Wood Other (specify)		Btu/lb				
7. Products of		unit:	(	Quantity/year		Units of production
Granite		93	6,000 tons per	year	tons per hou	
any work practi	ce standard	(attach add	litional p	age if necessar		n affects emissions or m processing the granite will be asins, and a quarry sump.
						able, the crushing plant would
shut down until the wa	iter source was a	gain available.	In addition,	at least one person to	rained and certified in EPA	Method 9 Visual Emissions
will be on-site at all tim	nes during operat	ion of the proce	essing plant	<u> </u>		

5. Materials (feed input) used in unit or process (include solid fuel materials used, if any):

9.	is there	any e	mission conti	oi equipment on t	nis emission s	ource?		
	Yes	⊟No	(Where a co	ntrol device exists	. ADEM Form	110 must be	completed and a	attached).

	Stack									
Emission Point	UTM Co	N-S (km)	Height Above Grade (Feet)	Base Elevation (Feet)	Diameter (Feet)	Gas Exit Velocity (Feet/Sec)	Volume of Gas Discharged (ACFM)	Exit Temperature (°F)		
DH-1	660999.36	3619135.36	10	722			(AOI III)			
			1							
					· 3					
			+							
			1							
			-							
			-							
			1							

<sup>\*</sup> Std temperature is 68°F - Std pressure is 29.92" in Hg.

Emississ			Potential Emi	Regulatory Emission Limit			
Emission Point	Pollutants	(lb/hr)	(Tons/yr)	Basis of Calculation	(lb/hr)	(units of standard)	
SEE ATTACHED	EMISSION CALCULATIONS TABLES						
				No.			
	=						

12.	Using	a flow	diagram:
	Comig	u 11011	alagi alli

- (1) Illustrate input of raw materials,
- (2) Label production processes, process fuel combustion, process equipment and air pollution control equipment,
- (3) Illustrate locations of air contaminant release so that emission points under item 10 can be identified.

 (Check box if extra	pages are attached)
Process flow	

could become airbor ✓ Yes			n finely divided materials which
fugitive dust problem		ome other facility as to	o make possible the creation of
VYes □No List storage piles or	other facility (if any):	T	Methods utilized to control
Type of material	(diameter or screen size)	Pile size or facility (average tons)	fugitive emissions (wetted, covered, etc.)
CRUSHED GRANITE	1 1/2" X 3/4"	15,000	WET SUPPRESSION
CRUSHED GRANITE	3/4" × 0"	25,000	WET SUPPRESSION
	1" X 1/8"	25,000	WET SUPPRESSION
CRUSHED GRANITE	_	15,000	WET SUPPRESSION
	1/2" X 1/8"		
CRUSHED GRANITE  CRUSHED GRANITE  CRUSHED GRANITE	1/2" × 1/8"  1/8" × 0"	15,000	WET SUPPRESSION

		_			_							_
2	D	6	-	0	0	5	1	-	X	0	0	1

	Name of firm or organization:	CreekWood Resources, LLC	Do not write in this space
2.	Briefly describe the operation of for each type of process or for material from, or provides input	of this unit or process in your r multiple units of one proc ut material to, another opera	ur facility: (separate forms are to be submitted ess type. If the unit or process receives input ation, please indicate the relationship between each alternative operating scenario.
	Operating scenario number 1	_	
			m conveyors C-5 and C-7, and discharges into Crusher
	CR-2.		
	general and the second second second second		
3	. Type of unit or process (e.g., c	alcining kiln, cupola furnac	e): 15 Cu Yd Surge Bin
	Make: unbranded	Mode	el: 15 Cubic Yard
	Rated process capacity (manu	facturer's or designer's gua	aranteed maximum) in pounds/hour: 300 Tons/Hr
	Manufactured date: 2015	1947 395	Proposed installation date: Summer 2021
		C	Original installation date (if existing): "
		Reconstruction	or Modification date ( if applicable): n/a
1.	Normal operating schedule:		
	Hours per day: 10	Days per <sup>5</sup> week:	Weeks per year: 52

8	Material		Proces	s Rate Average (lb/hr)	Maximum (lb/hr)	Quantity tons/year
Crushed and Screen	ned Granite		300 Tons per Hour		300 Tons/Hour	936,000
						-
			s heating equ ADEM Form		ude fuel used by inc	lirect heating
Fuel	Heat Content	Units	Max. % Sulfur	Max. % Ash	Grade No. [fuel oil only]	Supplier [used oil only]
Coal		Btu/lb				
uel Oil		Btu/gal				
latural Gas		Btu/ft³				
P. Gas		Btu/ft³				
Vood		Btu/lb				
Other (specify)						
7. Products of Products	T.	x	Quar 96,000 tons per year	ntity/year	tons per hour	nits of production
11-155-11						
8. For each reg any work practi	ulated pollu	tant, descri	be any limita ditional page	tions on sour	ce operation which : Fugitive emissions from	affects emissions o
any work practi	ce standard	(attach ad	ditional page	if necessary)	ce operation which Fugitive emissions from ormwater management ba	processing the granite will
any work praction	ce standard	(attach add er will be prima	ditional page	if necessary)	: Fugitive emissions from ormwater management ba	affects emissions on processing the granite will asins, and a quarry sump.

9.	is there	any er	nission control ed	quipment on th	is emission s	ource?		
	Yes	⊟No	(Where a control	device exists.	ADEM Form	110 must be	completed and	d attached).

			300		Stack		. I	
Emission Point	UTM Co	N-S (km)	Height Above Grade (Feet)	Base Elevation (Feet)	Diameter (Feet)	Gas Exit Velocity (Feet/Sec)	Volume of Gas Discharged (ACFM)	Exit Temperature (°F)
DH-2	660999.36	3619135.36	15	722			(ACI III)	
		1						
			-					
						V		
			1					
			-					
			-					

<sup>\*</sup> Std temperature is 68°F - Std pressure is 29.92" in Hg.

Emission			Potential Emis	ssions	Regulatory E	mission Limit
Point	Pollutants	(lb/hr)	(Tons/yr)	Basis of Calculation	(lb/hr)	(units of standard)
SEE ATTACHED	EMISSION CALCULATIONS TABLES					
						3
						-

<ol><li>Using a flow diagra</li></ol>	m	a	<b>j</b> r	ag	di	wc	fl	a	Using	12.	1
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- (1) Illustrate input of raw materials,
- (2) Label production processes, process fuel combustion, process equipment and air pollution control equipment,
- (3) Illustrate locations of air contaminant release so that emission points under item 10 can be identified.

$\overline{}$	(Check box if extra pages are attached)
	Process flow diagram

could become airbor		process or unit contai	n finely divided materials which
✓ Yes    ☐ No			
If "yes", is this mater fugitive dust problem		ome other facility as to	o make possible the creation of
✓Yes \Quad No			
	100 0 10000 1000 100		
List storage piles or o	other facility (if any):		
Type of material	Particle size (diameter or screen size)	Pile size or facility (average tons)	Methods utilized to control fugitive emissions (wetted, covered, etc.)
CRUSHED GRANITE	1 1/2" X 3/4"	15,000	WET SUPPRESSION
CRUSHED GRANITE	3/4" X 0"	25,000	WET SUPPRESSION
CRUSHED GRANITE	1" X 1/8"	25,000	WET SUPPRESSION
CRUSHED GRANITE	1/2" X 1/8"	15,000	WET SUPPRESSION
	1/8" X 0"	15,000	WET SUPPRESSION
CRUSHED GRANITE	110		I

	_	_		i	_				-	_	_	_	
	2	D	6	-	0	0	5	1	-	X	0	D	1
CreekWood Re	sources, L	LC		,	Do not write in this space							е	

1.	Name of firm or organization:	eekwood Resources, LLC	WO:	
2.	for each type of process or for material from, or provides input	multiple units of one proc material to, another oper	ur facility: (separate forms are to be ess type. If the unit or process rece ation, please indicate the relationship each alternative operating scenario.	ives input
	Operating scenario number 1	-		
		e will be dumped from a CAT 980M	or equivalent loader into the dump hopper (DH-1)	From
	the dump hopper, over sized material slides	s over the vibrating grizzly feeder (I	F-1) to the Primary Jaw Crusher (CR-1). Undersize	material
	falls through the grizzly feeder (F-1) onto co	onveyor C-1.		
				70
	20			
2	Time of unit or process (o.g., o.g.	laining kilo, aunala furna	Primary Crushing Unit including dump hopp	er (DH-1).
3	<ul> <li>Type of unit or process (e.g., cal vibrating grizzly feeder (F-1), primary jaw cru</li> </ul>		6).	
	Codar Panide (made by Teray)		OD 19955	
	make.	WIOC	ei:	200 T#1-
		acturer's or designer's gu	aranteed maximum) in pounds/hour:	
	Manufactured date: 2018		Proposed installation date:	Summer 2021
		9	Original installation date (if existing):	n/a 
		Reconstruction	or Modification date ( if applicable):	n/a
4.	Normal operating schedule:			
	Hours per day: 10	Days per 5 week:	Weeks per year: 52	
	Peak production season (if any):	Construction Season - April through	gh October	

	Material		Process	s Rate Averaç (lb/hr)	ge Maximum (lb/hr)	Quantity tons/year
Granite Shot Rock		Ø.	300 Tons per Hour		300 Tons/Hour	936,000
						-
equipment p		escribed on	s heating equ ADEM Form		lude fuel used by inc MMBtu/hr Grade No.	lirect heating Supplier
Fuel	Content	Units	Sulfur	Ash	[fuel oil only]	[used oil only]
oal		Btu/lb				
iel Oil		Btu/gal				
atural Gas		Btu/ft³				
P. Gas		Btu/ft³				
lood		Btu/lb				
ther (specify)						
Prod	- x20		Quar	ntity/year	U tons per hour	nits of production
7. Products of Products	- x20			ntity/year		nits of production
Prod	ucts	93	6,000 tons per year		tons per hour	
Prod	ucts ulated pollut	tant, descri	6,000 tons per year be any limita	tions on sou if necessary	tons per hour  irce operation which  i): Fugitive emissions from	affects emissions or
Production	ucts  ulated pollut ce standard	tant, descri (attach add	6,000 tons per year be any limita ditional page	tions on sou if necessary led from on-site	rce operation which  (): Fugitive emissions from stormwater management ba	affects emissions or n processing the granite will b asins, and a quarry sump.
Production of the production o	ucts  ulated pollut ce standard	tant, descri (attach add	6,000 tons per year be any limita ditional page	tions on sou if necessary led from on-site	rce operation which  (): Fugitive emissions from stormwater management ba	affects emissions or

5. Materials (feed input) used in unit or process (include solid fuel materials used, if any):

9.	is there	any e	mission control e	equipment on th	iis emission s	source?		
	✓Yes	□No	(Where a contro	ol device exists,	, ADEM Form	110 must be	completed and	d attached).

					Stack			
Emission Point	UTM Co	N-S (km)	Height Above Grade (Feet)	Base Elevation (Feet)	Diameter (Feet)	Gas Exit Velocity (Feet/Sec)	Volume of Gas Discharged (ACFM)	Exit Temperature (°F)
F-1	660999.36	3619135.36	4	722			(ACT III)	
			11 27					
							,	

<sup>\*</sup> Std temperature is 68°F - Std pressure is 29.92" in Hg.

Emission			Potential Emi		Regulatory E	mission Limit
Point	Pollutants	(lb/hr)	(Tons/yr)	Basis of Calculation	(lb/hr)	(units of standard)
SEE ATTACHED	EMISSION CALCULATIONS TABLES					
				115		
					7. 15.	

12.	Using	a flow	diagram:
200	3		

- (1) Illustrate input of raw materials,
- (2) Label production processes, process fuel combustion, process equipment and air pollution control equipment,
- (3) Illustrate locations of air contaminant release so that emission points under item 10 can be identified.

$\checkmark$	(Check box if extra	pages are attached)
	Process flow	

fugitive dust problem	ial stored in piles or in s s?	ome other facility as to	o make possible the creation of
			o make possible the creation of
List storage piles or o	Particle size (diameter or screen size)	Pile size or facility (average tons)	Methods utilized to control fugitive emissions (wetted, covered, etc.)
CRUSHED GRANITE	1 1/2" X 3/4"	15,000	WET SUPPRESSION
CRUSHED GRANITE	3/4" × 0"	25,000	WET SUPPRESSION
CRUSHED GRANITE	1" X 1/8"	25,000	WET SUPPRESSION
CRUSHED GRANITE	1/2" X 1/8"	15,000	WET SUPPRESSION
CRUSHED GRANITE	1/8" X 0"	15,000	WET SUPPRESSION

	20	6		6	D	5	1	_	Х	0	0	1
--	----	---	--	---	---	---	---	---	---	---	---	---

1.	Name of firm or organization:	eekWood Resources, LLC		Do not write in this space	<del></del> 5
2.	Briefly describe the operation of for each type of process or for material from, or provides input the operations.) An application	f this unit or process multiple units of one material to, another	process typoperation,	oe. If the unit or process rec please indicate the relationsh	eives input ip between
	Operating scenario number 1	-			
	Emission Point CR-1 Primary Jaw Crusher	Granite will be dumped from	m a CAT 980M c	or equivalent loader into the dump hopp	er (DH-1).
	From the dump hopper, over sized materia	I slides over the vibrating grid	zzly feeder (F-1)	to the Primary Jaw Crusher (CR-1). U	ndersize
	material falls through the grizzly feeder (F-	1) onto conveyor C-1. Mater	ial passes throu	gh the primary Jaw Crusher (CR-1), is o	rushed and
	broken, and falls through onto conveyor C-	1.			
	-				
	-				
	·				
3	. Type of unit or process (e.g., ca vibrating grizzly feeder (F-1), primary jaw cro			rimary Crushing Unit including dump ho	pper (DH-1),
	Make: Cedar Rapids (made by Terex)		Model: CR.	J3255	
	Rated process capacity (manuf	acturer's or designer	's guarante	ed maximum) in pounds/hour	: 300 Tons/Hr
	Manufactured date: 2018			Proposed installation date	Summer 2021
		·	Origina	al installation date (if existing)	: <sup>n/a</sup>
		Reconstru	ıction or Mo	dification date ( if applicable)	: <sup>n/a</sup>
4.	Normal operating schedule:				
	Hours per day: 10	Days per 5 week:		Weeks per year: 52	
	Peak production season (if any):	Construction Season - Apri	il through Octob	er	

-	Material		Proces	s Rate Average (lb/hr)	Maximum (lb/hr)	Quantity tons/year
Granite Shot Rock			300 Tons per Hour		300 Tons/Hour	936,000
						-
			s heating equ ADEM Form Max. %		ide fuel used by inc MMBtu/hr Grade No.	lirect heating Supplier
Fuel	Content	Units	Sulfur	Ash	[fuel oil only]	[used oil only]
oal		Btu/lb				
ıel Oil		Btu/gal				
atural Gas		Btu/ft <sup>3</sup>				
P. Gas		Btu/ft³				
ood		Btu/lb				
ther (specify)						
7. Products of Prod			Quar 6,000 tons per year	ntity/year	tons per hour	nits of production
						affects emissions or
						asins, and a quarry sump.
			***********************		and to see see the conservation	
	ed, should the wa	iter supply used	for wet suppress	sion be interrupted	and temporarily unavailab	ole, the crushing plant would

9.	is there	any e	mission c	ontroi equipm	ient on this	emission s	ource?			
	<b>∠</b> Yes	□N¢	(Where a	control devi	ce exists, Al	DEM Form	110 must l	e complete	d and attac	ched).

	Stack							
Emission Point	UTM C	oordinates N-S (km)	Height Above Grade (Feet)	Base Elevation (Feet)	Diameter (Feet)	Gas Exit Velocity (Feet/Sec)	Volume of Gas Discharged (ACFM)	Exit Temperature (°F)
CR-1	660999.36	3619135.36	4	722			(ACI III)	
			7					
					_			

<sup>\*</sup> Std temperature is 68°F - Std pressure is 29.92" in Hg.

		1	Potential Emissions			mission Limit
Emission Point	Pollutants	(lb/hr)	(Tons/yr)	Basis of Calculation	(lb/hr)	(units of standard)
SEE ATTACHED	EMISSION CALCULATIONS TABLES					
					1	

12.	Usina	a flow	diagram:	
	009		a.a.g. a	,

- (1) Illustrate input of raw materials,
- (2) Label production processes, process fuel combustion, process equipment and air pollution control equipment,
- (3) Illustrate locations of air contaminant release so that emission points under item 10 can be identified.

(Check box if extra	pages are attached)
 Process flow	

13. Is this unit or process in compliance with all applicable air pollution rules and regulations?  ✓ Yes □No  (if "no", a compliance schedule, ADEM Form 437 must be completed and attached.)  14. Does the input material or product from this process or unit contain finely divided materials which could become airborne?  ✓ Yes □No  15. If "yes", is this material stored in piles or in some other facility as to make possible the creation of fugitive dust problems?  ✓ Yes □No						
	Mil de Millio Mare (1)		6			
List storage piles or o	Particle size (diameter or screen size)	Pile size or facility (average tons)	Methods utilized to control fugitive emissions (wetted, covered, etc.)			
CRUSHED GRANITE	1 1/2" X 3/4"	15,000	WET SUPPRESSION			
CRUSHED GRANITE	3/4" × 0"	25,000	WET SUPPRESSION			
CRUSHED GRANITE	1" X 1/8"	25,000	WET SUPPRESSION			
CRUSHED GRANITE	1/2" X 1/8"	15,000	WET SUPPRESSION			
CRUSHED GRANITE	1/8" X 0"	15,000	WET SUPPRESSION			
Name of person preparing	gapplication:	Major	Date: 12/04/2020			

	2	D	6	2	٥	0	5	1	_	X	0	D	1
0 114	d Resources, L			100		1000	o no		rite	in th	is s	pac	e

1.	Name of firm or organization:	CreekWood Resources, LLC	Do not write in and space				
2.	Briefly describe the operation of this unit or process in your facility: (separate forms are to be submitted for each type of process or for multiple units of one process type. If the unit or process receives input material from, or provides input material to, another operation, please indicate the relationship between the operations.) An application should be completed for each alternative operating scenario.						
	Operating scenario number						
			rge Bin DH-1 and secondary crushed. The secondary				
	crushed granite discharges onto conveyo	or C-6.					
3	. Type of unit or process (e.g., c						
	Make: Cedarapids (made by Terex)	Mode	el: MVP 450X S/C				
	Rated process capacity (manu	facturer's or designer's gua	aranteed maximum) in pounds/hour: 300 Tons/Hr				
	Manufactured date: 2013		Proposed installation date: Summer 2021				
		C	Original installation date (if existing):				
		Reconstruction	or Modification date ( if applicable): <sup>n/a</sup>				
4.	Normal operating schedule:						
	Hours per day: 10	Days per 5	Weeks per year: 52				
		week:					

	Material		Proces	s Rate Averag (lb/hr)	ge Maximum (lb/hr)	Quantity tons/year
Crushed and Screen	Crushed and Screened Granite		300 Tons per Hour		300 Tons/Hour	936,000
	previously de		ADEM Form	104): n/a	lude fuel used by in MMBtu/hr	
Fuel	Heat Content	Units	Max. % Sulfur	Max. % Ash	Grade No. [fuel oil only]	Supplier [used oil only]
oal		Btu/lb				
uel Oil		Btu/gal				
atural Gas		Btu/ft³				
P. Gas		Btu/ft³				
lood		Btu/lb				
ther (specify)						
7. Products of	process or u		Quar 6,000 tons per year	ntity/year	tons per hou	Inits of production
2 7/200						
Franite						
ranite  3. For each reg						
3. For each reg	ce standard	(attach add	litional page	if necessary	): Fugitive emissions from	n affects emissions or m processing the granite will asins, and a quarry sump.
3. For each regany work praction trolled using wet so	ce standard uppression. Wat	(attach add er will be prima	ditional page rily sourced/recyc	if necessary	): Fugitive emissions from stormwater management b	m processing the granite will

9.	Is there any emission control equipment on this emission source?
	Yes No (Where a control device exists, ADEM Form 110 must be completed and attached).

					Stack			
Emission Point	E-W	oordinates N-S	Height Above Grade	Base Elevation (Feet)	Diameter (Feet)	Gas Exit Velocity (Feet/Sec)	Volume of Gas Discharged (ACFM)	Exit Temperature (°F)
	(km)	(km)	(Feet)	370 CONC (C-6)		(1 000000)	(ACFM)	١٠,
CR-2	660999.36	3619135.36	4	722				

<sup>\*</sup> Std temperature is 68°F - Std pressure is 29.92" in Hg.

Emission			Potential Emi	ssions	Regulatory Emission Limit		
Point	Pollutants	(lb/hr)	(Tons/yr)	Basis of Calculation	(lb/hr)	(units of standard)	
SEE ATTACHED	EMISSION CALCULATIONS TABLES						

12.	Using	a flow	diagr	am

- (1) Illustrate input of raw materials,
- (2) Label production processes, process fuel combustion, process equipment and air pollution control equipment,
- (3) Illustrate locations of air contaminant release so that emission points under item 10 can be identified.

$\overline{}$	(Check box if extra pages are attached)
	Process flow diagram

✓ Yes	ial stored in piles or in s	ome other facility as to	o make possible the creation of
fugitive dust problem  Yes No  List storage piles or			
Type of material	Particle size (diameter or screen size)	Pile size or facility (average tons)	Methods utilized to control fugitive emissions (wetted, covered, etc.)
CRUSHED GRANITE	1 1/2" X 3/4"	15,000	WET SUPPRESSION
CRUSHED GRANITE	3/4" × 0"	25,000	WET SUPPRESSION
CRUSHED GRANITE	1" X 1/8"	25,000	WET SUPPRESSION
CRUSHED GRANITE	1/2" X 1/8"	15,000	WET SUPPRESSION
CRUSHED GRANITE	1/8" × 0"	15,000	WET SUPPRESSION



### ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT PERMIT APPLICATION

#### FOR

#### AIR POLLUTION CONTROL DEVICE

(ADEM Use Only)			
Name of firm or organization CreekWoo	d Resources, LLC		
<ol> <li>Type of pollution control device: (if more submitted for each specific device.)</li> </ol>	than one, check each; l	however, separate	forms are to be
☐Settling chamber ☐EI	lectrostatic precipitator		
☐Afterburner ☐B	aghouse		
☐Cyclone ☐M	ulticlone		
□Absorber □A	dsorber		
☐Condenser ■W	et Suppression		
Wet scrubber (kind):		Marie Control of the	
Stage 1 - Vapor balance (type):			
Other (describe):			
	lad or is to be installed.		
Wet Suppression will be utilized throughout the facility for o	lled or is to be installed:		
	dust control	Pollutants Removed	
Wet Suppression will be utilized throughout the facility for o	dust control	Pollutants Removed Pollutant #2	Pollutant #3
Wet Suppression will be utilized throughout the facility for o	dust control		SOLUTION DE L'ALL STREET
Wet Suppression will be utilized throughout the facility for o	Pollutant #1		SOLUTION DE L'ALL STREET
Wet Suppression will be utilized throughout the facility for of the suppression parameters:	Pollutant #1 Fugitive Dust		SOLUTION DE L'ALL STREET
Wet Suppression will be utilized throughout the facility for of the second seco	Pollutant #1 Fugitive Dust		SOLUTION DE L'ALL STREET
Wet Suppression will be utilized throughout the facility for of the suppression parameters:  Mass emission rate (#/hr) Uncontrolled	Pollutant #1 Fugitive Dust  N/A N/A		SOLUTION DE L'ALL STREET
Wet Suppression will be utilized throughout the facility for or some states.  5. Emission parameters:  Mass emission rate (#/hr)  Uncontrolled  Designed	Pollutant #1 Fugitive Dust  N/A N/A		SOLUTION DE L'ALL STREET
Wet Suppression will be utilized throughout the facility for or some states.  5. Emission parameters:  Mass emission rate (#/hr)  Uncontrolled	Pollutant #1 Fugitive Dust  N/A N/A N/A		SOLUTION DE L'ALL STREET
Wet Suppression will be utilized throughout the facility for of th	Pollutant #1 Fugitive Dust  N/A N/A N/A N/A N/A		SOLUTION DE L'ALL STREET
Mass emission rate (#/hr) Uncontrolled Designed Manufacturer's guaranteed Mass emission rate (Expressed as units of standar Required by regulation	Pollutant #1 Fugitive Dust  N/A N/A N/A N/A		SOLUTION DE L'ALL STREET
Mass emission rate (#/hr) Uncontrolled Designed Manufacturer's guaranteed Required by regulation Manufacturer's guaranteed Manufacturer's guaranteed	Pollutant #1 Fugitive Dust  N/A N/A N/A N/A N/A N/A		SOLUTION DE L'ALL STREET

6. Gas conditions:

Control of the American Control of the Control of t	Inlet	Intermediate Locations	Outlet
Volume (SDCFM, 68°f, 29.92" hg)	N/A	N/A	N/A
(ACFM, existing conditions)	N/A	N/A	N/A
Temperature (°F)	N/A	N/A	N/A
Velocity (ft/sec)	N/A	N/A	N/A
Percent moisture	N/A	N/A	N/A

Pressure drop across device: N/A	(inches H <sub>2</sub> 0)
7. Stack dimensions:	
UTM Coordinates (E-W).N/A	N/A (km)
UTM Coordinates (N-S).N/A	N/A (km)
Height above grade N/A	ACTOR DESCRIPTION
Inside diameter at exit (if opening is round).N/A	<del>20 </del>
Inside area at exit (if opening is not round)	
Base Elevation N/A	7 7 7
GEP Stack Height N/A	• • • • • • • • • • • • • • • • • • •
See Attached Flow Diagram	
). Enclosed are:	
☐Blueprints	Particle size distribution report
☐ Manufacturer's literature	Size-efficiency curves
☐Emissions test of existing installation	☐Fan curves
Other Flow Diagram	

2. By-pass (if any) is	to be used when:			
not applicable				
3. Disposal of collect	ed air pollutants:			
	Solid waste	Solid waste	Liquid waste	Liquid waste
/olume	TBD		TBD	
Composition	Granite		Granite	
s waste	No		No	
Method of disposal	No Disposal		No Disposal	
inal destination	sold with construction aggregate		sold with construction aggregate	
	nts are recycled, descri		tockpile and sold	

ADEM Form 110 08/16 m3