PRECONSTRUCTION ANALYSIS FOR NORTH ALABAMA MATERIALS, INC. 712-0108 UNIT X001

North Alabama Materials, Inc., of Gurley, AL, has applied to the ADEM - Air Division for an Air Permit which would authorize the construction and operation of a limestone crushing, screening, and conveying circuit at the existing Lacey's Spring facility located at 8 NE Fields Road, Lacey's Spring, Morgan County. North Alabama Materials, Inc., is applying for an Air Permit for the following circuit:

X001 – 800 TPH Crushing, Screening, and Conveying Circuit with Wet Suppression (NSPS-OOO)

Process Description:

Aggregate material would be fed, by excavator or front end loader, into the feeder of the primary crushing, screening, and conveying circuit. Material would flow through the primary circuit where it will be distributed to different sized stockpiles or moved into the secondary impact crusher for further processing. Processed material from the secondary circuit would then be distributed to different sized stockpiles or moved into the tertiary circuit for the final processing. (See flow diagram in the application)

All equipment associated with this process is subject to either the State Implementation Plan (SIP) or the New Source Performance Standards (40 CFR Part 60, Subpart OOO-Standards of Performance for Nonmetallic Mineral Processing Plants). All equipment associated with circuit X001 manufactured on or after April 22, 2008, except the hopper/grizzly feeder, would be subject to NSPS - OOO. This 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 and shall be retained for a minimum of five years.

North Alabama Materials, Inc., will be required to conduct EPA Method 9 Visible Emissions Observations on the NSPS equipment associated with this circuit. Any equipment exempt from NSPS is subject to the State Implementation Plan (SIP).

Process X001

		110003	ROOL		
Manufacturer	Туре	Maximum Operating	Manufacturer's Date	NSPS/SIP	Testing
		Capacity			
Terex	Hopper (A1)	100 TPH	2022	SIP	No
Terex	Vibrating Grizzly Feeder (A2)	400 TPH	2022	SIP	No
Terex	Primary Jaw Crusher MJ55 (B)	800 TPH	2022	NSPS- 12%	Yes
MGL	Conveyor 48"x90' (C1)	800 TPH	2022	NSPS-7%	Yes
Terex	SM620 Scalping Screen (D)	800 TPH	2022	NSPS- 7%	Yes
Terex	Underscreen Conveyor (D1) Part of Screen D	800 TPH	2022	NSPS- 7%	Yes
MGL	Radial Stacker 30"x100' (RS1)	400 TPH	2022	NSPS- 7%	Yes
MGL	Radial Stacker 30"x100' (RS2)	400 TPH	2022	NSPS- 7%	Yes
MGL	Transfer Conveyor 36"x100' (C2)	600 TPH	2022	NSPS- 7%	Yes
MGL	Radial Stacker 30"x100'(RS3)	400 TPH	2022	NSPS- 7%	Yes
MGL	Transfer Conveyor 48"x130' (C3)	800 TPH	2022	NSPS- 7%	Yes
Terex	Secondary Impact Crusher 1516 HSI (E)	800 TPH	2022	NSPS- 12%	Yes
MGL	Transfer Conveyor 48"x80' (C4)	800 TPH	2022	NSPS- 7%	Yes
Terex	Splitter Box (F)	800 TPH	2022	NSPS- 7%	Yes
MGL	Transfer Conveyor 36"x100' (C5)	800 TPH	2022	NSPS- 7%	Yes
MGL	Transfer Conveyor 36"x100' (C6)	800 TPH	2022	NSPS- 7%	Yes
Terex	LJ-TSV8203 Screen (G)	400 TPH	2022	NSPS- 7%	Yes
Terex	Underscreen Conveyor (G1) Part of Screen G	800 TPH	2022	NSPS- 7%	Yes
Terex	LJ-TSV8203 Screen (H)	400 TPH	2022	NSPS- 7%	Yes
Terex	Underscreen Conveyor (H1) Part of Screen H	800 TPH	2022	NSPS- 7%	Yes
MGL	Transfer Conveyor 36"x60' (C7)	800 TPH	2022	NSPS- 7%	Yes
MGL	Transfer Conveyor 36"x60' (C8)	800 TPH	2022	NSPS-7%	Yes

MGL	Transfer Conveyor 36"x60' (C9)	800 TPH	2022	NSPS- 7%	Yes
MGL	Transfer Conveyor 36"x60' (C10)	800 TPH	2022	NSPS- 7%	Yes
MGL	Transfer Conveyor 36"x60' (C11)	800 TPH	2022	NSPS- 7%	Yes
Terex	Splitter Box (I)	800 TPH	2022	NSPS- 7%	Yes
MGL	Transfer Conveyor 36"x60' (C12)	800 TPH	2022	NSPS- 7%	Yes
MGL	Transfer Conveyor 36"x60' (C13)	800 TPH	2022	NSPS- 7%	Yes
Lippman	Tertiary Impact Crusher LI 5165S(J)	380 TPH	2020	NSPS- 12%	Yes
MGL	Transfer Conveyor 36"x60' (C14)	800 TPH	2022	NSPS- 7%	Yes
Lippman	L820S Screen (K)	400 TPH	2020	NSPS- 7%	Yes
MGL	Transfer Conveyor 36"x60' (C15)	800 TPH	2022	NSPS- 7%	Yes
MGL	Transfer Conveyor 36"x60' (C16)	800 TPH	2022	NSPS- 7%	Yes
MGL	Transfer Conveyor 36"x60' (C17)	800 TPH	2022	NSPS- 7%	Yes
MGL	Transfer Conveyor 36"x60' (C18)	800 TPH	2022	NSPS- 7%	Yes
MGL	Radial Stacker 30"x100' (RS4)	400 TPH	2022	NSPS- 7%	Yes
MGL	Radial Stacker 30"x100' (RS5)	400 TPH	2022	NSPS- 7%	Yes
MGL	Radial Stacker 30"x100' (RS6)	400 TPH	2022	NSPS- 7%	Yes
MGL	Radial Stacker 30"x100' (RS7)	400 TPH	2022	NSPS- 7%	Yes
MGL	Radial Stacker 30"x100' (RS8)	400 TPH	2022	NSPS- 7%	Yes
MGL	Radial Stacker 30"x100' (RS9)	400 TPH	2022	NSPS- 7%	Yes

The total expected fugitive emissions rate for the proposed plant would be **25.75 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 emission 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 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, would not be required to undergo the PSD process. This site is not considered a Greenfield, but North Alabama Materials, Inc., would be required to complete a 30-day public comment period, a joint public notice with the Water Division.

ADEM utilized the EJSCREEN screening tool to perform an analysis of the area. Please refer to Appendix D.

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 North Alabama Materials. Inc., incorporating the provisions of Appendix B and Appendix C, the cover letter.

Ramie Pope Energy Branch

Ramu Pope

Air Division

Date

Appendix A CALCULATIONS NORTH ALABAMA MATERIALS, INC. 712-0108 UNIT X001

X001 - 800 TPH Crushing, Screening, and Conveying Circuit with Wet Suppression (NSPS-OOO).

Equipment: 3 Crushers, 6 Screens (including 2 Splitter Boxes), and 32 Associated Belt

Conveyors (including 1 Feeder and 1 Dump Hopper)

Hours of Operation: 11 hrs/day x 5.5 days/wk x 50 wks/yr = 3,025 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	Unconti	rolled	Controlled			
		Units	Total PM	PM-10	Total PM	PM-10
Crushing Emission Factor		lb/Ton	0.0054	0.0024	0.0012	0.00054
Capacity	800	TPH				
Total (# TPH * EF# lb/Ton)		lb/hr	4.32	1.92	0.96	0.432
	8760	hrs/yr				
Total (#lb/hr*#hrs/yr*(1/2000)Ton/lbs)		TPY	18.9216	8.4096	4.2048	1.89216
eres representativo de la compania del compania del compania de la compania del compania del compania de la compania del c	3025	hrs/yr				
Expected (#lb/hr*exp#hrs/yr*(1/2000)Ton/lbs)		TPY	6.534	2.904	1.452	0.6534
Screening Emission Factor		lb/Ton	0.025	0.0087	0.0022	0.00074
Capacity	800	TPH				
Total (# TPH * EF# lb/Ton)		lb/hr	20	6.96	1.76	0.592
	8760	hrs/yr				
Total (#lb/hr*#hrs/yr*1/2000Ton/lbs)		TPY	87.6	30.4848	7.7088	2.59296
	3025	hrs/yr				
Expected (#lb/hr*exp#hrs/yr*1/2000Ton/lbs)		TPY	30.25	10.527	2.662	0.8954
Conveying/ Transfer Point				-6-7-3-3-1-15-15-15-15-15-15-15-15-15-15-15-15-1		
Emission Factor		lb/Ton	0.003	0.0011	0.00014	0.000046
Capacity	800	TPH				
Total (# TPH * EF# lb/Ton)		lb/hr	2.4	0.88	0.112	0.0368
	8760	hrs/yr				
Total (#lb/hr*#hrs/yr*1/2000Ton/lbs)		TPY	10.512	3.8544	0.49056	0.161184
	3025	hrs/yr				
Expected (#lb/hr*exp#hrs/vr*1/2000Ton/lbs)		TPY	3.63	1.331	0.1694	0.05566

Total Uncontrolled Emissions:

Crushing 18.92 TPY x 3 Crushers = 56.76 TPY

Screening 87.6 TPY x 6 Screens = 525.6 TPY

Conveying 10.51 TPY x 32 Conveyors = 336.32 TPY

Total 918.68 TPY at 8760 hrs/yr

Total Controlled Emissions:

 Crushing
 4.2 TPY x 3 Crushers = 12.6 TPY

 Screening
 7.7 TPY x 6 Screens = 46.2 TPY

 Conveying
 0.49 TPY x 32 Conveyors = 15.68 TPY

 Total
 74.48 TPY at 8760 hrs/yr

Expected Emissions: Based on 3,025 Actual Hours of Operation and the AP-42 total particulate controlled emission factor.

 Crushing
 1.45 TPY x 3 Crushers = 4.35 TPY

 Screening
 2.66 TPY x 6 Screens = 15.96 TPY

 Conveying
 0.17 TPY x 32 Conveyors = 5.44 TPY

 Total
 25.75 TPY at 3025 hrs/yr

Appendix B North Alabama Materials, Inc. Morgan County, Alabama Permit No. 712-0108-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. 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.
- 5. 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 shut down 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.
- 6. 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.
- 7. This permit expires and the application is cancelled if construction has not begun within 24 months of the date of issuance of the permit.
- 8. 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.

9. 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)

- 10. 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.
- 11. 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.
- 12. 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.
- 13. 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.
- 14. 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.

- 15. Precautions to prevent fugitive dust shall be taken so that provisions of the Department's rules and regulations shall not be violated.
- 16. 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.

17. 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.

- 18. 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.
- 19. All equipment associated with this process is subject to either the State Implementation Plan (SIP) or the New Source Performance Standards (40 CFR Part 60, Subpart OOO-Standards of Performance for Nonmetallic Mineral Processing Plants). All NSPS Subpart OOO equipment will be subject to the limitations and opacity limits for fugitive emissions according to the applicability date of 40 CFR Part 60, Subpart OOO that is specific to the equipment. This NSPS limits fugitive emissions from uncontrolled crushers to 12% opacity, and fugitive emissions from grinding mills, screening operations, bucket elevators, transfer points on belt conveyors, bagging operations, storage bins, enclosed truck or railcar loading stations, or from any other affected facility to 7 % opacity. This NSPS allows no emissions from wet screening operations.
- 20. 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 required performance testing 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 test reports will be submitted to the Department within 15 days of the test date.

21. 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.

- 22. 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 expeditiously as possible.
- 23. 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.
- 24. The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.
- 25. 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.
- 26. 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.

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AIR PERMIT

PERMITTEE:

NORTH ALABAMA MATERIALS, INC.

FACILITY NAME:

LACEY'S SPRING QUARRY

LOCATION:

MORGAN COUNTY, ALABAMA

PERMIT NUMBER

DESCRIPTION OF EQUIPMENT, ARTICLE OR DEVICE

712-0108-X001

800 TPH Crushing, Screening, and Conveying Circuit with Wet Suppression (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]

Appendix C

[Date]

Mr. Darrin K. Isbell North Alabama Materials, Inc. 1311 Salty Bottom Road Gurley, AL 35748

Dear Mr. Isbell:

RE:

Facility No. 712-0108

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.

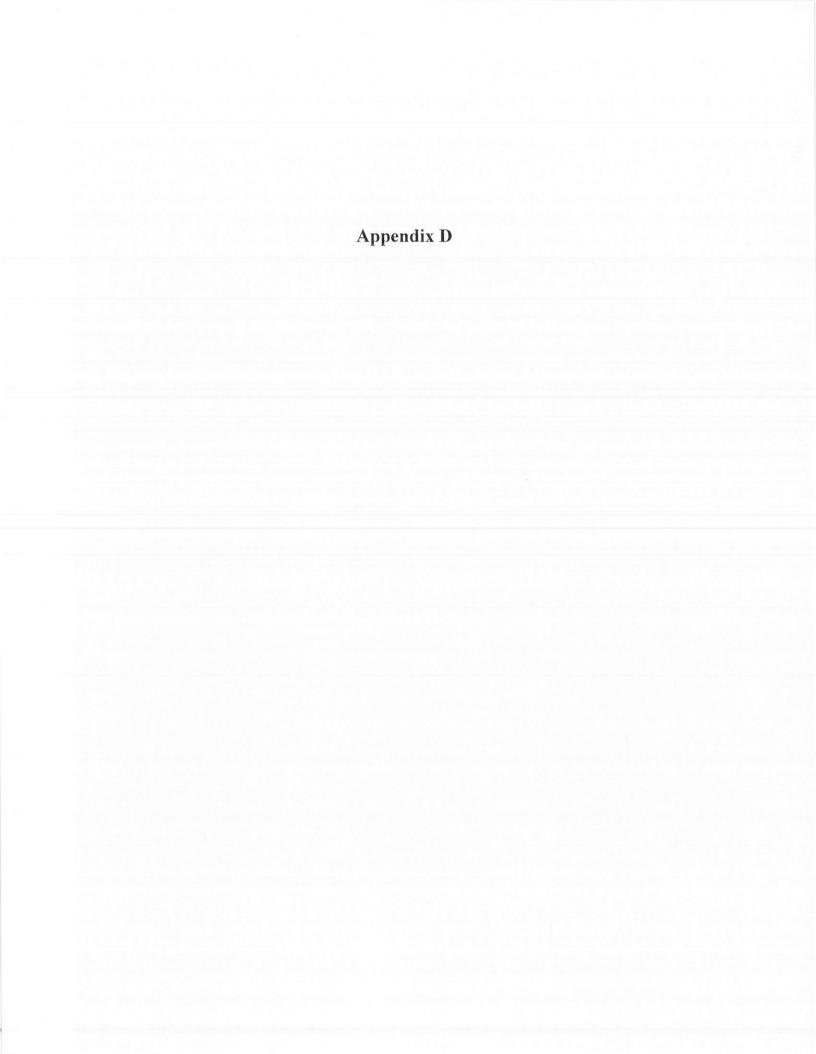
Should you have any questions or if clarification of permit conditions is required, please do not hesitate to contact Ramie Pope at (334) 274-4187 in Montgomery.

Sincerely,

Ronald W. Gore, Chief Air Division

RWG/drp

Enclosures



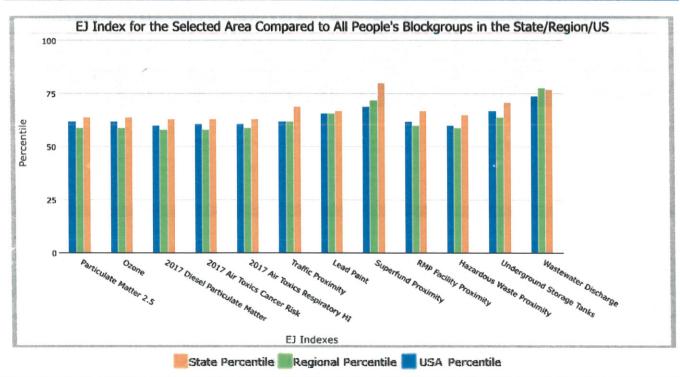




1 mile Ring Centered at 34.559737,-86.612338, ALABAMA, EPA Region 4

Approximate Population: 656 Input Area (sq. miles): 3.14 North Alabama Materials, Inc.

Selected Variables	State Percentile	EPA Region Percentile	USA Percentile
nvironmental Justice Indexes			
EJ Index for Particulate Matter 2.5	64	59	62
EJ Index for Ozone	64	59	62
EJ Index for 2017 Diesel Particulate Matter*	63	58	60
EJ Index for 2017 Air Toxics Cancer Risk*	63	58	61
EJ Index for 2017 Air Toxics Respiratory HI*	63	59	61
EJ Index for Traffic Proximity	69	62	62
EJ Index for Lead Paint	67	66	66
EJ Index for Superfund Proximity	80	72	69
EJ Index for RMP Facility Proximity	67	60	62
EJ Index for Hazardous Waste Proximity	65	59	60
EJ Index for Underground Storage Tanks	71	64	67
EJ Index for Wastewater Discharge	77	78	74



This report shows the values for environmental and demographic indicators and EJSCREEN indexes. It shows environmental and demographic raw data (e.g., the estimated concentration of ozone in the air), and also shows what percentile each raw data value represents. These percentiles provide perspective on how the selected block group or buffer area compares to the entire state, EPA region, or nation. For example, if a given location is at the 95th percentile nationwide, this means that only 5 percent of the US population has a higher block group value than the average person in the location being analyzed. The years for which the data are available, and the methods used, vary across these indicators. Important caveats and uncertainties apply to this screening-level information, so it is essential to understand the limitations on appropriate interpretations and applications of these indicators. Please see EJSCREEN documentation for discussion of these issues before using reports.





1 mile Ring Centered at 34.559737,-86.612338, ALABAMA, EPA Region 4

Approximate Population: 656 Input Area (sq. miles): 3.14 North Alabama Materials, Inc.



Sites reporting to EPA	
Superfund NPL	0
Hazardous Waste Treatment, Storage, and Disposal Facilities (TSDF)	0





1 mile Ring Centered at 34.559737,-86.612338, ALABAMA, EPA Region 4

Approximate Population: 656 Input Area (sq. miles): 3.14 North Alabama Materials, Inc.

Selected Variables	Value	State Avg.	%ile in State	EPA Region Avg.	%ile in EPA Region	USA Avg.	%ile in USA
Pollution and Sources							
Particulate Matter 2.5 (μg/m³)	8.55	8.9	26	8.18	65	8.74	48
Ozone (ppb)	42.2	39.1	84	37.9	77	42.6	49
2017 Diesel Particulate Matter* (µg/m³)	0.134	0.216	33	0.261	<50th	0.295	<50th
2017 Air Toxics Cancer Risk* (lifetime risk per million)	30	34	55	31	80-90th	29	80-90th
2017 Air Toxics Respiratory HI*	0.4	0.47	38	0.4	70-80th	0.36	80-90th
Traffic Proximity (daily traffic count/distance to road)	140	230	63	430	51	710	40
Lead Paint (% Pre-1960 Housing)	0.1	0.18	48	0.15	58	0.28	40
Superfund Proximity (site count/km distance)	0.18	0.054	96	0.083	90	0.13	84
RMP Facility Proximity (facility count/km distance)	0.26	0.41	65	0.6	52	0.75	45
Hazardous Waste Proximity (facility count/km distance)	0.17	0.83	34	0.62	43	2.2	27
Underground Storage Tanks (count/km²)	1.2	1.7	65	3.5	52	3.9	49
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.0019	0.42	61	0.45	68	12	55
Socioeconomic Indicators							
Demographic Index	38%	36%	64	37%	59	36%	61
People of Color	17%	34%	34	39%	29	40%	31
Low Income	60%	37%	86	35%	87	31%	89
Unemployment Rate	4%	6%	42	6%	42	5%	45
Linguistically Isolated	10%	1%	97	3%	88	5%	83
Less Than High School Education	43%	14%	99	13%	98	12%	97
Under Age 5	18%	6%	99	6%	99	6%	99
Over Age 64	20%	17%	70	17%	71	16%	73

^{*}Diesel particular matter, air toxics cancer risk, and air toxics respiratory hazard index are from the EPA's 2017 Air Toxics Data Update, which is the Agency's ongoing, comprehensive evaluation of air toxics in the United States. This effort aims to prioritize air toxics, emission sources, and locations of interest for further study. It is important to remember that the air toxics data presented here provide broad estimates of health risks over geographic areas of the country, not definitive risks to specific individuals or locations. Cancer risks and hazard indices from the Air Toxics Data Update are reported to one significant figure and any additional significant figures here are due to rounding. More information on the Air Toxics Data Update can be found at: https://www.epa.gov/haps/air-toxics-data-update.

For additional information, see: www.epa.gov/environmentaljustice

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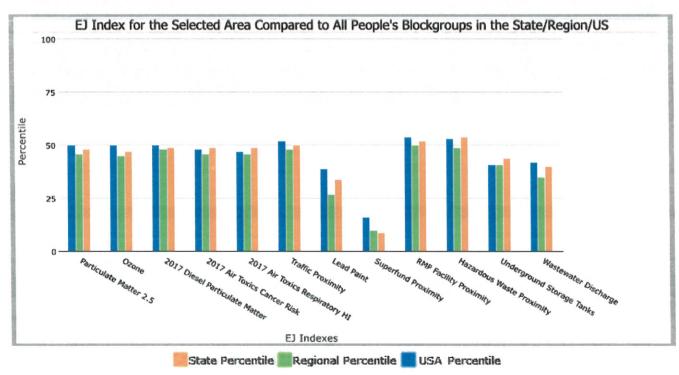




3 miles Ring Centered at 34.559737,-86.612338, ALABAMA, EPA Region 4

Approximate Population: 2,612 Input Area (sq. miles): 28.27 North Alabama Materials, Inc.

Selected Variables	State Percentile	EPA Region Percentile	USA Percentile
nvironmental Justice Indexes			
EJ Index for Particulate Matter 2.5	48	46	50
EJ Index for Ozone	47	45	50
EJ Index for 2017 Diesel Particulate Matter*	49	48	50
EJ Index for 2017 Air Toxics Cancer Risk*	49	46	48
EJ Index for 2017 Air Toxics Respiratory HI*	49	46	47
EJ Index for Traffic Proximity	50	48	52
EJ Index for Lead Paint	34	27	39
EJ Index for Superfund Proximity	9	10	16
EJ Index for RMP Facility Proximity	52	50	54
EJ Index for Hazardous Waste Proximity	54	49	53
EJ Index for Underground Storage Tanks	44	41	41
EJ Index for Wastewater Discharge	40	35	42



This report shows the values for environmental and demographic indicators and EJSCREEN indexes. It shows environmental and demographic raw data (e.g., the estimated concentration of ozone in the air), and also shows what percentile each raw data value represents. These percentiles provide perspective on how the selected block group or buffer area compares to the entire state, EPA region, or nation. For example, if a given location is at the 95th percentile nationwide, this means that only 5 percent of the US population has a higher block group value than the average person in the location being analyzed. The years for which the data are available, and the methods used, vary across these indicators. Important caveats and uncertainties apply to this screening-level information, so it is essential to understand the limitations on appropriate interpretations and applications of these indicators. Please see EJSCREEN documentation for discussion of these issues before using reports.





3 miles Ring Centered at 34.559737,-86.612338, ALABAMA, EPA Region 4

Approximate Population: 2,612 Input Area (sq. miles): 28.27 North Alabama Materials, Inc.



Sites reporting to EPA	
Superfund NPL	0
Hazardous Waste Treatment, Storage, and Disposal Facilities (TSDF)	0





3 miles Ring Centered at 34.559737,-86.612338, ALABAMA, EPA Region 4

Approximate Population: 2,612 Input Area (sq. miles): 28.27 North Alabama Materials, Inc.

Selected Variables	Value	State Avg.	%ile in State	EPA Region Avg.	%ile in EPA Region	USA Avg.	%ile in USA
Pollution and Sources							
Particulate Matter 2.5 (μg/m³)	8.55	8.9	26	8.18	65	8.74	48
Ozone (ppb)	42.2	39.1	84	37.9	77	42.6	49
2017 Diesel Particulate Matter* (µg/m³)	0.134	0.216	33	0.261	<50th	0.295	<50th
2017 Air Toxics Cancer Risk* (lifetime risk per million)	30	34	55	31	80-90th	29	80-90th
2017 Air Toxics Respiratory HI*	0.4	0.47	38	0.4	70-80th	0.36	80-90th
Traffic Proximity (daily traffic count/distance to road)	110	230	57	430	45	710	35
Lead Paint (% Pre-1960 Housing)	0.12	0.18	54	0.15	63	0.28	43
Superfund Proximity (site count/km distance)	0.22	0.054	97	0.083	92	0.13	87
RMP Facility Proximity (facility count/km distance)	0.22	0.41	59	0.6	47	0.75	40
Hazardous Waste Proximity (facility count/km distance)	0.14	0.83	30	0.62	36	2.2	22
Underground Storage Tanks (count/km²)	0.98	1.7	60	3.5	48	3.9	45
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.0016	0.42	60	0.45	67	12	53
Socioeconomic Indicators							
Demographic Index	32%	36%	52	37%	48	36%	53
People of Color	15%	34%	31	39%	26	40%	28
Low Income	49%	37%	72	35%	75	31%	79
Unemployment Rate	4%	6%	47	6%	46	5%	49
Linguistically Isolated	6%	1%	93	3%	81	5%	73
Less Than High School Education	32%	14%	94	13%	95	12%	92
Under Age 5	11%	6%	91	6%	92	6%	91
Over Age 64	20%	17%	71	17%	71	16%	74

^{*}Diesel particular matter, air toxics cancer risk, and air toxics respiratory hazard index are from the EPA's 2017 Air Toxics Data Update, which is the Agency's ongoing, comprehensive evaluation of air toxics in the United States. This effort aims to prioritize air toxics, emission sources, and locations of interest for further study. It is important to remember that the air toxics data presented here provide broad estimates of health risks over geographic areas of the country, not definitive risks to specific individuals or locations. Cancer risks and hazard indices from the Air Toxics Data Update are reported to one significant figure and any additional significant figures here are due to rounding. More information on the Air Toxics Data Update can be found at: https://www.epa.gov/haps/air-toxics-data-update.

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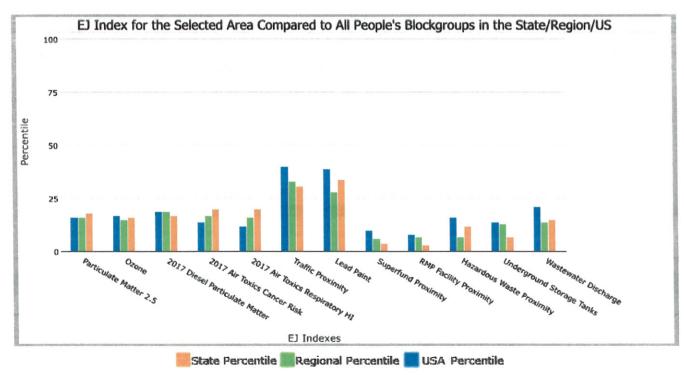




5 miles Ring Centered at 34.559737,-86.612338, ALABAMA, EPA Region 4

Approximate Population: 15,728 Input Area (sq. miles): 78.53 North Alabama Materials, Inc.

Selected Variables	State Percentile	EPA Region Percentile	USA Percentile
Environmental Justice Indexes		Composition in a late	建筑设置和 加强。
EJ Index for Particulate Matter 2.5	18	16	16
EJ Index for Ozone	16	15	17
EJ Index for 2017 Diesel Particulate Matter*	17	19	19
EJ Index for 2017 Air Toxics Cancer Risk*	20	17	14
EJ Index for 2017 Air Toxics Respiratory HI*	20	16	12
EJ Index for Traffic Proximity	31	33	40
EJ Index for Lead Paint	34	28	39
EJ Index for Superfund Proximity	4	6	10
EJ Index for RMP Facility Proximity	3	7	8
EJ Index for Hazardous Waste Proximity	12	7	16
EJ Index for Underground Storage Tanks	7	13	14
EJ Index for Wastewater Discharge	15	14	21



This report shows the values for environmental and demographic indicators and EJSCREEN indexes. It shows environmental and demographic raw data (e.g., the estimated concentration of ozone in the air), and also shows what percentile each raw data value represents. These percentiles provide perspective on how the selected block group or buffer area compares to the entire state, EPA region, or nation. For example, if a given location is at the 95th percentile nationwide, this means that only 5 percent of the US population has a higher block group value than the average person in the location being analyzed. The years for which the data are available, and the methods used, vary across these indicators. Important caveats and uncertainties apply to this screening-level information, so it is essential to understand the limitations on appropriate interpretations and applications of these indicators. Please see EJSCREEN documentation for discussion of these issues before using reports.





5 miles Ring Centered at 34.559739,-86.612338, ALABAMA, EPA Region 4

Approximate Population: 15,728 Input Area (sq. miles): 78.53 North Alabama Materials, Inc.



Sites reporting to EPA	
Superfund NPL	0
Hazardous Waste Treatment, Storage, and Disposal Facilities (TSDF)	1





5 miles Ring Centered at 34.559737,-86.612338, ALABAMA, EPA Region 4

Approximate Population: 15,728 Input Area (sq. miles): 78.53 North Alabama Materials, Inc.

Selected Variables	Value	State Avg.	%ile in State	EPA Region Avg.	%ile in EPA Region	USA Avg.	%ile in USA
Pollution and Sources							
Particulate Matter 2.5 (μg/m³)	8.54	8.9	25	8.18	65	8.74	47
Ozone (ppb)	42.4	39.1	87	37.9	80	42.6	51
2017 Diesel Particulate Matter* (µg/m³)	0.189	0.216	55	0.261	<50th	0.295	<50th
2017 Air Toxics Cancer Risk* (lifetime risk per million)	30	34	55	31	80-90th	29	80-90th
2017 Air Toxics Respiratory HI*	0.4	0.47	38	0.4	70-80th	0.36	80-90th
Traffic Proximity (daily traffic count/distance to road)	120	230	58	430	47	710	36
Lead Paint (% Pre-1960 Housing)	0.059	0.18	33	0.15	45	0.28	31
Superfund Proximity (site count/km distance)	0.13	0.054	93	0.083	85	0.13	75
RMP Facility Proximity (facility count/km distance)	0.58	0.41	79	0.6	69	0.75	63
Hazardous Waste Proximity (facility count/km distance)	0.7	0.83	61	0.62	74	2.2	49
Underground Storage Tanks (count/km²)	1.6	1.7	70	3.5	57	3.9	54
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.0023	0.42	63	0.45	70	12	57
Socioeconomic Indicators							
Demographic Index	24%	36%	34	37%	32	36%	38
People of Color	18%	34%	36	39%	31	40%	33
Low Income	29%	37%	38	35%	43	31%	53
Unemployment Rate	3%	6%	37	6%	37	5%	39
Linguistically Isolated	2%	1%	83	3%	67	5%	60
Less Than High School Education	11%	14%	44	13%	50	12%	57
Under Age 5	6%	6%	53	6%	53	6%	52
Over Age 64	18%	17%	60	17%	63	16%	66

^{*}Diesel particular matter, air toxics cancer risk, and air toxics respiratory hazard index are from the EPA's 2017 Air Toxics Data Update, which is the Agency's ongoing, comprehensive evaluation of air toxics in the United States. This effort aims to prioritize air toxics, emission sources, and locations of interest for further study. It is important to remember that the air toxics data presented here provide broad estimates of health risks over geographic areas of the country, not definitive risks to specific individuals or locations. Cancer risks and hazard indices from the Air Toxics Data Update are reported to one significant figure and any additional significant figures here are due to rounding. More information on the Air Toxics Data Update can be found at: https://www.epa.gov/haps/air-toxics-data-update.

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CHECKLIST FOR ISSUANCE OF PERMITS

Permit 1	No7	12-0108-X0	01		Type:	Air			
Compar	ny N	orth Alaban	na Mate	rials, Inc. – Lace			All		
Location	n L	acey's Sprin	g (Mor	gan County)	y s spring	Quarry			
Descript		Permit Unit:			achina C.	•			
				ression (NSPS -	ooo)	reening	, and Conveying	Circuit	with Wet
Pollutan	t Type:								
Par	rticulate	20	01	127					
	lfur Ox		01	Nitrogen Oxid		05	Chlorine		09
		onoxide	02	Total Reduced	Sulfur	06	Hydrogen Sulfi	de	10
	drocart		03	Asbestos		07	Lead		11
	arocarc	Olis	04	Beryllium		08	Mercury		12
Pollut		Accounted		Method	Uncon	trolled	Controlled		
Тур	e			Of	Emiss		Emissions		owable issions
		ID/n	r	Estimate	lb/	hr	lb/hr		b/hr
				See Preconstruc	tion Ana	lysis			
							THE OWNER WAS		
Operating	Hours	Per Year:	3,025						
Provisos:	See	Preconstruc	tion An	alveic					
Marian			cron 7 till	arysis					
Mail To:	- N - D								
		arrin K. Isbe							
	North	Alabama M	aterials	, Inc.		Eng	gineer: R. Pope		
	Caral -	Salty Botton	n Road			Dat			
-	Guriey	y, AL 35748							
Type:	PSD		SMS	NAME					
Source:	NSPS -	X NESI		NAME SIP X	_ MO	_	TEMP	OTHE	R X
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SCANNED
AUG 1 7 2022

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (AIR DIVISION)

Facility Number

Do not write in This Space											
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	CONSTRUCTION/OPERA FACILITY IDEN									
Name of Facility, Institution:			erials - Lacey's Spring C	Quarry						
	Facility Physical Location Address									
Street & Number: 8 1	NE Fields Rd									
City: Lacey's Spring	Zip: 35754									
Facility Mailing Address (If different from above)										
Address or PO Box:	Address or PO Box: TBD									
City: Lacey's Spring	State: AL		Zip: 35754							
Owner's Business Mailing Address										
2. Owner: North Alabama Materials										
Street & Number:	6620 Hwy 72 E	City: Gurley								
State: AL	Zip: 35748 Telephone: 256-776-3782									
	Responsible Official's	Busine	ess Mailing Address							
3. Responsible Offic	sial: Darrin K. Isbell		_{Title:} Presider	t						
Street & Number:	1311 Sa	Ity Bo	ottom Rd							
City: Gurley	State: AL	<u>.</u>	Zip: 35748							
Telephone Number:	256-776-2713		ail Address: deborahsisbell(②yahoo.c	om					
	Plant Conta	act Info	rmation							
4. Plant Contact: La	ince Green	_	Plant Manager	•						
Telephone Number:	256-550-4261	E-ma	ail Address: lancerg88@gm	ail.com						
5. Location Coordin	ates:									
	UTM 34.559645	E-W								
Latitude/Long	gitude <u>34°33'34.7220"</u>	LAT	-86°36'45.0108"	LONG						

6.	Permit app	lication is made fo	or:			
	☐Existing s	ource (initial applic	cation)			
	☐Existing s	ource (permit rene	wal)			
	□Modificati	on				,
	■New sour	ce (to be construct	ted)			
	☐Change o	f ownership				
	☐Change o	f location				
	□Other (s	pecify)				
		n is being made to	construct or m	odify, please p	provide the name and addre	ess of installer or
	contractor	bama Materials	- Lance Gree	, ≏n	•	
		Darria Matorialo		-		
	256-	776-3782	Teleph	one 256-55	0-4261	
	Date cons	struction/modificat	•	7/2022	to be completed	8/2022
7.		lication is being n		the following	•	
••	■Air permit	•			-3 p a p a	
		rce operating perr	nit			
	_ •	minor source oper				
	☐General p	·	3 1			
8.	·		of the following	ng forms attac	hed and made a part of th	is application: (if a
	form does	not apply to your			the space opposite the for	
	may be use	ed as required.	DEOT 115 4 TM1	. = 0.110.151.1		
	18	_ ADEM 104 - INDI				
		_ ADEM 105 - MAN				
		-			AND INCINERATION	
		_ ADEM 107 - STAT				
		-	-		ING LIQUID & GASEOUS OI	
		=	•		SURFACE COATING EMIS	SION SOURCES
	1	_ ADEM 110 - AIR I	POLLUTION CO	ONTROL DEVI	CE .	ı
	-	_ ADEM 112 - SOL				
		_ ADEM 438 - CON	TINUOUS EMIS	SSION MONITO	DRS /	
		_ ADEM 437 - COM	IPLIANCE SCH	EDULE		
9.					ate standard industrial cla (<u>www.naics.com</u>) code(s)):	
	212312 -	Crushed and br	oken limesto	ne mining a	nd quarrying	_ .
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10. For those making application for a synthetic minor or major source operating permit, please summarize each pollutant emitted and the potential facility-wide annual 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				
		,		
1 1 2 33				
•				
		+ 84%		
	·			
,				

^{*}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.

Ϋ́

OUT³ Compliance Status N₂ Method used to determine compliance (description) Program¹ Standard **Emission unit or source:** Pollutant⁴ Emission Point No.

¹PSD, 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)

²Attach compliance plan

³Attach compliance schedule (ADEM Form-437)

⁴Fugitive 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	
•	

13.	. List and explain any exemptions from appli	icable requir	ements the facility is claiming:
<u>a.</u>	. N/A		
_b.			
<u>c.</u>	<u> </u>		
_d.	l .		
<u>e.</u>	·		
_f.			
<u>g.</u>	· ·		
<u>h.</u>			
<u>i.</u>			
14.	List below other attachments that are a pa calculations must be appended):	ert of this app	lication(all supporting engineering
a.	. N/A		
b.			
<u>c.</u>			
<u>d</u> .	<u>. </u>		
<u>e.</u>			
<u>f.</u>			
g.	<u> </u>		.
<u>h.</u>	ı .		.
<u>i.</u>			
REA	CERTIFY UNDER PENALTY OF LAW THAT, BASONABLE INQUIRY, THE STATEMENTS AND RUE, ACCURATE AND COMPLETE.	ASED ON IN	FORMATION AND BELIEF FORMED AFTER ON CONTAINED IN THIS APPLICATION ARE
FOI API	ALSO CERTIFY THAT THE SOURCE WILL CON OR WHICH IT IS IN COMPLIANCE, AND THAT PPLICABLE REQUIREMENTS THAT WILL BECO DETAILED SCHEDULE, IF NEEDED FOR MEETII	THE SOURC	E WILL, IN A TIMELY MANNER, MEET ALL 'E DURING THE PERMIT TERM AND SUBMIT
La	ance Green		ned by Lance Green 05.19 10:08:08 -05'00'
SI	SIGNATURE OF RESPONSIBLE OFFICIAL	TITLE	DATE

PERMIT APPLICATION FOR MANUFACTURING OR PROCESSING OPERATION

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vame or	r tacility or org	janization: <u>i</u>	<u>Iorth Alabama M</u>	ateriais La	ceys spr	ing Quant		 -
			this unit or proces oultiple units of or					
naterial	l from, or prov	ides input n	naterial to, anothe	er operation	n, please i	indicate the	e relationship	
he oper	rations.) An a	application s	should be complet	ed for each	ı alternati	ve operatir	ng scenario.	
Operatio	ng scenario n	umber 1A						
100 to	n <i>op</i> on Rock box	(A1) will be	e fed by Truck, I	oader, or e	excavato	r.		
		· · · · · · · · · · · · · · · · · · ·			-			
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•							٠	
Type o	f unit or proce	ess (e.g., ca	lcining kiln, cupol	a furnace):	100 tor	rock hop	per	
	•			*				
					N 1 A	*		
Make:	Terex			Model:	NA	7		
Rated	process capa	city (manuf	acturer's or desig	ner's guara	ınteed ma	ıximum) in ı	oounds/hour:	800 TP
	actured date:	-			•		allation date	

		•		Ori	ginal insta	allation dat	e (if existing)	·
			Recon	struction or	· Modifica	tion date (f applicable)	·
Normal	operating sch	nedule:						
Hours	per day: 11		Days per week	5.5	W	leeks per y	ear: 50	
Peak n	production sea	ason (if				•		
any):	77	•	Spring & Sum	mer	<u> </u>			

	Material	, 	Proces	s Rate Averag (lb/hr)	e Maximum (lb/hr)	Quantity tons/year
Limestone			400	TPH	800 TPH	1,200,000
5. Total heat in equipment p	put capacity reviously de	of process escribed on	heating equ ADEM Form	ipment (excl 104):	ude fuel used by ind MMBtu/hr	irect heating
Fuel	Heat Content	Units	Max. % Sulfur	Max. % Ash	Grade No. [fuel oil only]	Supplier [used oil only]
oal	N/A	Btu/ib	,			
uel Oil		Btu/gal				
atural Gas		Btu/ft³				
. P. Gas		Btu/ft³				
/ood		Btu/lb				·
ther (specify)						
. Products of	process or u	ınit:				
Proc	lucts		Qua	intity/year	(Jnits of production
_imestone			1,200,000		tons	
-		AAAAAA				
Made about 1994 As						
3. For each regulary work practic					ce operation which):	affects emissions o
V/A						
- South Kalling and a south difference we should recognize	·	(1884-1	**************************************	**************************************	Marie Haveller was a land to the company of the property of the company of the co	

Page 3 of 5

ADEM Form 105 08/19 m5

* Std temperature is 68°F - Std pressure is 29.92" in Hg.

			/ 	`, '							
	Exit	(°F)								,	
		Discharged (ACFM)									
	Gas Exit	Velocity (Feet/Sec)									
	Inside Area if NOT	Round Opening (sq. feet)				i				,	
	Inside Diameter for Round Opening (Feet)						,		·		
Stack	Base Elevation (Feet)										
	GEP Stack Height (Feet)										
	Height Above Grade (Feet)										
	aphic inates	PONG						_			
	Geographic Coordinates	LAT			ر						
	UTM Coordinates	N-S (km)	emissions								
		E-W (km)	Fugitive		ı						
	Emission Point						-	·			

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):

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 Point	Pollutants	Potential Emissions			Regulatory Emission Limit	
		(lb/hr)	(Tons/yr)	Basis of Calculation	(lb/hr)	(units of standard)
1A	PM	1.78	2.94	AP-42		7%
				_		

- 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

. Is this unit	t or process	in compliance with all a	applicable air pollution	rules and regulations?				
■Yes	□No							
(if "no", a	compliance	schedule, ADEM Form	437 must be complete	d and attached.)				
	nput materia ome airborn		orocess or unit contair	n finely divided materials which				
■Yes	□No							
	this materia ust problems		ome other facility as to	make possible the creation of				
■Yes	□No							
List stora	ge piles or of	ther 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.)				
Limestone		24"-Dust	500	Wetted				
	,							
		ng application:	Green					
	CAN NEADARIE	na application:						

1.	Name of facility or organization:	North Alabama Materials I ad	Do not write in this space cev's Spring Quarry	
2.	Briefly describe the operation of for each type of process or for material from, or provides input the operations.) An application	this unit or process in your fa nultiple units of one process to material to, another operation should be completed for each	cility: (separate forms are to be s type. If the unit or process receive, please indicate the relationship	es input
	Operating scenario number 🗷 A	2 der /		
		0	A2) from the rock box (A1) to t	he jaw
	crusher(B).			
	- Annual - A	Annual Annua		
		CHINALINE CONTROL CONT	TOWNS TO SERVICE TO SE	
•	3. Type of unit or process (e.g., ca	lcining kiln, cunola furnace).	Vibrating Grizzly Feeder	
•	s. Type of unit of process (e.g., ca	icining kiin, cupola lurnacej.		
	Make: Terex	Model:	GF 52"x 20'	
	Rated process capacity (manuf	acturer's or designer's guara	nteed maximum) in pounds/hour:	400 TPH
	Manufactured date: 2022	No communication for the second of the secon	Proposed installation date:	12/2022
		Orig	ginal installation date (if existing):	
,		Reconstruction or	Modification date (if applicable):	
1.	Normal operating schedule:			
	Hours per day: 11	Days per week: 5.5	Weeks per year: 50	
	Peak production season (if any):	Spring & Summer		

	Material		Proces	s Rate Average (lb/hr)	e Maximum (lb/hr)	Quantity tons/year
Limestone		·····	_ 400 7	ГРН	800 TPH	1,200,000
			-			
				iipment (excli 104):	ude fuel used by ind MMBtu/hr	irect heating
Fuel	Heat Content	Units	Max. % Sulfur	Max. % Ash	Grade No. [fuel oil only]	Supplier [used oil only]
oal	N/A	Btu/lb				
uel Oil		Btu/gal				
atural Gas		Btu/ft³				
P. Gas		Btu/ft³				
ood		Btu/lb				
ther (specify)						<u> </u>
7. Products of	process or ι	unit:			,	
Proc	ducts		Qua	antity/year		Jnits of production
imestone		***************************************	1,200,000		tons	HILL STATE OF THE
	·					
					and distribution to the state of the state o	Manager to the second of the s
3. For each req	ulated pollui	tant. describ	e anv limita	tions on sour	ce operation which	affects emissions or
any work practi						
1/A						
			·		racionimi racione i racione de arrivado e de la racione de adocumenta de la compansión de la compansión de la c	
9. Is there any e	omission cor	strol equipm	ent on this c	mission sour	re?	
		ın oı eyaibili	ont on ans t	AMBBION SOUL	· · · · · · · · · · · · · · · · · · ·	
) must be completed	

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

Page 3 of 5

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			()						~				
	Exit	(°F)												
		Discharged (ACFM)									,			
	Gas Exit	(Feet/Sec)										· ·	,	
	Inside Area if NOT	Round Opening (sq. feet)											٠	
		Opening (Feet)												
Stack	Base	(Feet)								. ,				
	GEP Stack	Height (Feet)			i	N .			٠					
	Height Above	Grade (Feet)												" in Hg.
	Geographic Coordinates	PONG												ire is 29.92
	Geogr	r A						:		N.				Std pressu
	dinates	N-S (km)	Emmisions											ture is 68°F-
	UTM Coordinates	E-W (km)	Fugitive											* Std temperature is 68°F - Std pressure is 29.92" in Hg.
	Emission									·				

		Potential Em		Regulatory	Emission Limit
Pollutants	(lb/hr)	(Tons/yr)	Basis of Calculation	(lb/hr)	(units of standard)
PM	2.54	2.12	AP-42	N/A	7%
				7	
				· ·	
	Pollutants	Pollutants (lb/hr)	Pollutants (lb/hr) (Tons/yr)	(ID/Nr) (Tons/yr) Calculation	Pollutants (lb/hr) (Tons/yr) Basis of Calculation (lb/hr) PM 2.54 2.12 AP-42 N/A

- 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.

3. IS this uni	t or process	in compliance with all a	applicable air pollution	rules and regulations?
■Yes	□No			
(if "no", a	compliance	schedule, ADEM Form	437 must be complete	d and attached.)
	nput materia ome airborn		process or unit contain	n finely divided materials which
■Yes	□No			
	s this materia ust problems		ome other facility as to	make possible the creation of
■Yes	□No			
List stora	ge piles or o	ther 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.)
Limesto	one	24"-Dust	500	Wetted
		1 0000	Croon	
Name of per		ng application:	Green	
Signature:	Lance		y signed by Lance Green 2022.05.19 11:43:24 -05'00'	Date:

	Make: Terex Rated process capacit Manufactured date: 2	Original installation date (if existing): _Reconstruction or Modification date (if applicable): _	12/2022
	Make: Terex Rated process capacit Manufactured date: 2	Model: MJ55 ity (manufacturer's or designer's guaranteed maximum) in pounds/hour: 2022 Proposed installation date: Original installation date (if existing): Reconstruction or Modification date (if applicable):	12/2022
;	Make: Terex Rated process capacit	Model: MJ55 ity (manufacturer's or designer's guaranteed maximum) in pounds/hour: 9 2022 Proposed installation date: 9 Original installation date (if existing):	12/2022
;	Make: Terex Rated process capacit	Model: MJ55 ity (manufacturer's or designer's guaranteed maximum) in pounds/hour: 8 2022 Proposed installation date: 6	12/2022
÷	Make: Terex Rated process capacit	Model: MJ55 ity (manufacturer's or designer's guaranteed maximum) in pounds/hour: {	
•	Make: Terex	Model: MJ55	300 TPH
,			
;	3. Type of unit or process	s (e.g., calcining kiln, cupola furnace): Primary Jaw Crusher	
			1841E
		,	
	Limestone rock will b	be fed by an VGF into jaw crusher.	
	Operating scenario num		
2.	for each type of process material from, or provid-	eration of this unit or process in your facility: (separate forms are to be su as or for multiple units of one process type. If the unit or process receive des input material to, another operation, please indicate the relationship be plication should be completed for each alternative operating scenario.	es input
	Name of facility or organ	nization: North Alabama Materials Lacey's Spring Quarry	
١.		Do not write in this space	

	Material		Proces	s Rate Averag (lb/hr)	ge Maximum (lb/hr)	Quantity tons/year	
Limeston	e		400 TP	H	800 TPH	1,200,000	
	input capacity				lude fuel used by ind MMBtu/hr	lirect heating	
Fuel	Heat Content	Units	Max. % Sulfur	Max. % Ash	Grade No. [fuel oil only]	Supplier [used oil only]	
 Coal	N/A	Btu/lb					
uel Oil		Btu/gal					
latural Gas		Btu/ft³					
P. Gas		Btu/ft³					
Vood		Btu/lb					
ther (specify)	<u> </u>						
7. Products o	of process or u	unit:	Qua 1,200,000	antity/year	tons	Jnits of production	
					rce operation which /):	affects emissions o	
8. For each re any work prac N/A							
any work prac	uce standard						
any work prac	uce standard						

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				 		ı ——	, ———		1	ì	 	<u> </u>	 1	7
	Exit	(°F)								ļ				
		Discharged (ACFM)												
	Gas Exit	(Feet/Sec)												
	Inside Area if NOT	Round Opening (sq. feet)		ť	•								•	:
	Inside Diameter	Opening (Feet)												
Stack	Base	(Feet)												
	GEP Stack	Height (Feet)												
	Height Above	Grade (Feet)												" in Hg.
	aphic nates	LONG									L		•	re is 29.92
	Geographic Coordinates	LAT											•	Std pressu
	rdinates	N-S (km)	Emmisions											ture is 68°F -
	UTM Coordinates	E-W (km)	Fugitive											* Std temperature is 68°F - Std pressure is 29.92" in Hg.
	Emission													· ·

Emission		F	otential Em		Regulatory E	mission Limit
Point	Pollutants	(lb/hr)	(Tons/yr)	Basis of Calculation	(lb/hr)	(units of standard)
2	PM	0.44	.72	AP-42	N/A	12%
		•				
-						
		-				

- 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.

. is uiis uiii	t or process	in compliance with all	applicable air pollution	rules and regulations?
Yes	□No		·	
(if "no", a	compliance	schedule, ADEM Form	437 must be complete	d and attached.)
	input materia come airborn		process or unit contain	finely divided materials which
■Yes	□No			
fugitive di ■Yes	ust problems ∐No	al stored in piles or in s s? ther facility (if any):	ome other facility as to	make possible the creation of
Type of	f material	Particle size (diameter or screen size)	Pile size or facility (average tons)	Methods utilized to control fugitive emissions (wetted, covered, etc.)
Limesto	one	24"-Dust	500	Wetted

			-	
1.	Name of facility or organization:	North Alabama Materials La	Do not write in this space cev's Spring Quarry	
2.	Briefly describe the operation of for each type of process or for n material from, or provides input the operations.) An application of	this unit or process in your fa nultiple units of one process material to, another operation	acility: (separate forms are to be submitted type. If the unit or process receives input n, please indicate the relationship between	
	Operating scenario number 3			
	Material from MJ55(B) will disscalping screen(D).	scharge onto Conveyor (C	1) that will deliver material to SM 620	
	Scalping screen(D).			
				_
				,
3	3. Type of unit or process (e.g., ca	lcining kiln, cupola furnace):	Transfer Conveyor (C1)	_
	Make: MGL	Model:	48" X 90'	
	Rated process capacity (manuf	acturer's or designer's guara	nteed maximum) in pounds/hour: 800 TPI	-
	Manufactured date: 2022		Proposed installation date: 12/2022	<u>-</u>
		Orig	ginal installation date (if existing):	
		Reconstruction or	Modification date (if applicable):	
4.	Normal operating schedule:			
	Hours per day: 11	Days per week: 5.5	Weeks per year: 50	_
	Peak production season (if any):	Spring & Summer		
		·····		

	Material		Proces	s Rate Averag (lb/hr)	ge Maximum (lb/hr)	Quantity tons/year	
Limestone	9		400	TPH	800 TPH	1,200,000	
	nput capacity previously de				lude fuel used by indi MMBtu/hr	rect heating	
Fuel	Heat Content	Units	Max. % Sulfur	Max. % Ash	Grade No. [fuel oil only]	Supplier [used oil only]	
Coal	N/A	Btu/lb					
uel Oil		Btu/gal					
latural Gas		Btu/ft³		_			
P. Gas		Btu/ft³					
Vood		Btu/lb					
ther (specify)							
7. Products of Pro	process or u	unit: 	Qua 1,200,000	intity/year	<u>U</u> tons	nits of production	
						,	
					ton constitution of the second	48.2	
8. For each reg any work pract N/A	gulated pollut ice standard	tant, describ (attach add	e any limita itional page	tions on sou if necessary	rce operation which a	affects emissions o	
	-t						
· · · · · · · · · · · · · · · · · · ·							

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					l I	1			<u> </u>		<u> </u>	Г		1	1	1
	Exit	remperature (°F)														
		Discharged (ACFM)														
	Gas Exit	Velocity (Feet/Sec)														
	Inside Area if NOT	Round Opening (sq. feet)														
		Opening (Feet)														
Stack	Base	Feet)										,				
	GEP	Height (Feet)														
	Height Above	Grade (Feet)														" in Hg.
	Geographic Coordinates	FONG														re is 29.92
	Geogr	r¥1														Std pressu
	rdinates	N-S (km)	emissions	-						!						ture is 68°F -
	UTM Coordinates	E-W (km)	Fugitive													* Std temperature is 68°F - Std pressure is 29.92" in Hg.
	Emission												-			7

Emission			Potential Em	issions	Regulatory E	Emission Limit
Point	Pollutants	(lb/hr)	(Tons/yr)	Basis of Calculation	(lb/hr)	(units of standard)
3	PM	1.78	2.94	AP-42		7%
						

- 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.

■Yes	□No			
(if "no", a	compliance	schedule, ADEM Form	437 must be complete	d and attached.)
	input materi ome airborr		process or unit contain	finely divided materials which
■Yes	□No			
	s this materi ust problem		ome other facility as to	make possible the creation of
■Yes	□No			
List stora	ge piles or o	ther facility (if any):		
Type of	f material	Particle size (diameter or screen size)	Pile size or facility (average tons)	Methods utilized to control fugitive emissions (wetted, covered, etc.)
Limesto	one	24"-Dust	500	Wetted
lame of per	son prepari	ng application: Lance	Green y signed by Lance Green	

١.	Name of facility or organization: N	lorth Alabama Materials La	Do not write in this space cey's Spring Quarry	
2.	for each type of process or for m	ultiple units of one process naterial to, another operation	ncility: (separate forms are to be su type. If the unit or process receive n, please indicate the relationship b n alternative operating scenario.	es input
	Operating scenario number 4			
	Limestone rock enters Scalpin sizes and sends material by c	ng screen(D) via transfer o hutes to Radial Stackers (conveyor(C1) and separated into (RS1,RS2), Transfer Conveyor (various C2,C3).
			·	
3	s. Type of unit or process (e.g., cal	cining kiln, cupola furnace):	Screen	
	Make: Terex	Model:	SM620	
	Rated process capacity (manufa	cturer's or designer's guara	nteed maximum) in pounds/hour: 8	00 TPH
	Manufactured date: 2022	•	Proposed installation date: 1	2/2022
		Oriç	ginal installation date (if existing): _	
		Reconstruction or	Modification date (if applicable): _	
ŀ.	Normal operating schedule:			
	Hours per day: 11	_ Days per week: 5.5	Weeks per year: 50	
	Peak production season (if any):	Spring & Summer		

	Material		Proces	s Rate Averag (lb/hr)	je Maximum (lb/hr)	Quantity tons/year
Limestone			400	TPH	800 TPH	1,200,000
Total heat in	nut canacity	of process	heating equ	inment (exc	lude fuel used by in	direct heating
equipment p						Supplier
	Content	-	Sulfur	Ash	[fuel oil only]	[used oil only]
oal	N/A	Btu/lb				
uel Oil		Btu/gal				
atural Gas		Btu/ft ³				·
P. Gas		Btu/ft³ Btu/lb				
ther (specify)		·				-
. Products of proc	process or u	ınit: 	Qua 1,200,000	antity/year	tons	Units of production
3. For each regi any work praction						n affects emissions o
9. Is there any e		MIN STATE OF				

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			\ <u></u>			 	 				 	.
	Exit	(°F)							1			
		Discharged (ACFM)										
	Gas Exit	(Feet/Sec)										
	Inside Area if NOT	Round Opening (sq. feet)										
	Inside Diameter	Opening (Feet)										
Stack	Base	(Feet)									 :	
	GEP Stack	Height (Feet)						!				
	Height Above	Grade (Feet)										" in Hg.
	Geographic Coordinates	PONG				 						re is 29.92
	Geogr	LAT										Std pressu
	rdinates	N-S (km)	emissions	:								ture is 68°F -
	UTM Coordinates	E-W (km)	Fugitive									* Std temperature is 68°F - Std pressure is 29.92" in Hg.
	Emission											

Emission			Potential Em		Regulatory E	
Point	Pollutants	(lb/hr)	(Tons/yr)	Basis of Calculation	(lb/hr)	(units of standard)
4	PM	1.27	1.05	AP-42		7%
5	PM	1.27	1.05	AP-42		7%
6	PM	1.27	1.05	AP-42		7%
7	PM	1.27	1.05	AP-42		7%
		,				

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.

s. Is this uni	t or process	in compliance with all a	applicable air pollution	rules and regulations?
■Yes	□No			
(if "no", a	compliance	schedule, ADEM Form	437 must be complete	d and attached.)
	input materia come airborn		process or unit contain	finely divided materials which
Yes	□No			
	s this materia ust problems		ome other facility as to	make possible the creation of
■Yes	□No			`
List stora	ge piles or o	ther facility (if any):		
Туре о	f material	Particle size (diameter or screen size)	Pile size or facility (average tons)	Methods utilized to control fugitive emissions (wetted, covered, etc.)
Limest	one	24"-Dust	500	Wetted
		-		
<u></u>	. , ,			
	<u> </u>			
ame of per	rson preparir	ng application: Lance	Green	

		-	-	
	Name of facility or organiz	ation: North Alabama Materials La	Do not write in this space	
١.	Name of facility of organiz	adon. North Alabama Materials La	acey's Spirity Quarry	
2.	for each type of process of material from, or provides	or for multiple units of one process	acility: (separate forms are to be submit type. If the unit or process receives in n, please indicate the relationship betwo h alternative operating scenario.	put
	Operating scenario number	er		
	There will be 9 radial st	tackers (RS1-RS9) to stockpile	material from crushers and screens.	
	RS1 - operating scenar -33, RS9 -34	rio 5 , RS2 - 6, RS3 - 8, RS4 - 3	6, RS5 - 37, RS6 - 35, RS7 - 32 , RS	8
		Phonogram de Commande de Managarita de Calabrilla de Calab		······································
				
				
į	3. Type of unit or process (e	e.g., calcining kiln, cupola furnace):	Radial stacking conveyors	
,	3. Type of unit or process (e	e.g., calcining kiln, cupola furnace):	Radial stacking conveyors	
;				
•	Make: MGL	Model:	30" x 100'	
;	Make: MGL Rated process capacity (Model: manufacturer's or designer's guara	30" x 100' anteed maximum) in pounds/hour: 400	
;	Make: MGL	Model: manufacturer's or designer's guara	30" x 100'	
;	Make: MGL Rated process capacity (Model: manufacturer's or designer's guara 22	30" x 100' anteed maximum) in pounds/hour: 400	022
;	Make: MGL Rated process capacity (Model: manufacturer's or designer's guara 22 Ori	30" x 100' anteed maximum) in pounds/hour: 400 7 Proposed installation date: 12/20)22_
	Make: MGL Rated process capacity (Model: manufacturer's or designer's guara 22 Ori	30" x 100' anteed maximum) in pounds/hour: 400 7 Proposed installation date: 12/20 iginal installation date (if existing):)22_
	Make: MGL Rated process capacity (Manufactured date: 202 Normal operating schedule	manufacturer's or designer's guara 22 Ori Reconstruction of	30" x 100' anteed maximum) in pounds/hour: 400 7 Proposed installation date: 12/20 iginal installation date (if existing):)22
	Make: MGL Rated process capacity (Manufactured date: 202 Normal operating schedule	Model: manufacturer's or designer's guara 22 Ori Reconstruction of the contraction of	30" x 100' anteed maximum) in pounds/hour: 400 7 Proposed installation date: 12/20 iginal installation date (if existing):)22

	Material		Proces	s Rate Average (lb/hr)	Maximum (lb/hr)	Quantity tons/year
Limestone			200	TPH	400 TPH	600,000
					·	
V.						
				uipment (exclu 104):	ide fuel used by i MMBtu/hr	ndirect heating
Fuel	Heat Content	Units	Max. % Sulfur	Max. % Ash	Grade No. [fuel oil only]	Supplier [used oil only]
oal	N/A	Btu/lb				·
uel Oil		Btu/gal				
atural Gas		Btu/ft³				
P. Gas		Btu/ft³				
/ood		Btu/lb				
ther (specify)						
7. Products of	•	ınit:				
Proc	ducts	 -		antity/year		Units of production
imestone	A		600,000		tons	
					,	
			***************************************	MANAGES (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)		THE
B. For each reg						ch affects emissions or
N/A						
		-				NEW MERCENS TO A STATE OF THE REPORT OF A STATE OF THE ST
9. Is there any e	emission cor	ntrol equipm	ent on this e	emission sour	ce?	
(es (No) (Where a	control devi	ce exists, A[DEM Form 110	must be complet	ted and attached).

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

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* Std temperature is 68°F - Std pressure is 29.92" in Hg.

_				 				 			
	Exit	(°F)									
		Discharged (ACFM)					•				
	Gas Exit	Velocity (Feet/Sec)					,				
	Inside Area if NOT	Round Opening (sq. feet)							:	,	
	Inside Diameter	Tor Kound Opening (Feet)									
Stack	Base	Elevation (Feet)									
	GEP Stack	Height (Feet)									
	Height	Grade (Feet)									
	aphic nates	LONG									
	Geographic Coordinates	LAT			•						
	rdinates	N-S (km)	emissions								
	UTM Coordinates	E-W (km)	Fugitive								
	Emission	Foint									

Emission		[Potential Em		Regulatory Er	Regulatory Emission Limit		
Point	Pollutants	(lb/hr)	(Tons/yr)	Basis of Calculation	(lb/hr)	(units of standard)		
5	PM	1.78	1.47	AP-42		7%		
6	PM	1.78	1.47	AP-42		7%		
8	PM	1.78	1.47	AP-42		7%		
32	PM	1.78	1.47	AP-42		7%		
33	PM	1.78	1.47	AP-42		7%		
34	PM	1.78	1.47	AP-42		7%		
35	PM	1.78	1.47	AP-42		7%		
36	PM	1.78	1.47	AP-42		7%		
37	PM	1.78	1.47	AP-42		7%		

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.

3. Is this uni	it or process	in compliance v	with all a	applicable air pollution	rules and regulations?							
■Yes	□No											
(if "no", a	compliance	schedule, ADE	M Form	437 must be completed	d and attached.)							
	input materia come airborn		om this _l	orocess or unit contain	finely divided materials which							
■Yes □No												
5. 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											
List stora	ge piles or o	ther facility (if a	ny):									
Type of material Particle size (diameter or screen size) Pile size or facility (average tons) Pile size or facility (wetted, covered, etc.)												
Limest	one	24"-Dust		500	Wetted							
			-									
	-	1										
Name of ne	rson preparir	ıg application:	Lance	Green								
Signature:	Lance			y signed by Lance Green 2022.05.19 13:52:35 -05'00'	Date:							
-	CONTRACTOR CONTRACTOR STATEMENT AND	The state of the s										

		-	Do not write in this space
1.	Name of facility or organization:	North Alabama Materials La	
2.	for each type of process or for	multiple units of one process material to, another operation	ncility: (separate forms are to be submitted type. If the unit or process receives input n, please indicate the relationship between alternative operating scenario.
	Operating scenario number 7	-	
	Material from SM620(D) will Stacker(RS3).	discharge onto Conveyor (C2) that will deliver material to Radial
	- Marie Part 1, Marie Anna Marie Al Marie Anna Marie An		
3	3. Type of unit or process (e.g., ca	alcining kiln, cupola furnace):	Transfer Conveyor (C2)
	Make: MGL	Model:	36" X100'
	Rated process capacity (manu		nteed maximum) in pounds/hour: 600 TPH
	Manufactured date: 2022		Proposed installation date: 12/2022
		Orig	ginal installation date (if existing):
		Reconstruction or	Modification date (if applicable):
4.	Normal operating schedule:		
	Hours per day: 11	Days per week: 5.5	Weeks per year: 50
	Peak production season (if any):	Spring & Summer	

	Material			s Rate Averaç (lb/hr)	ge Maximun (lb/hr)	n Quantity tons/year
Limestone			300	TPH	600 TPH	
6. Total heat in equipment p					lude fuel used by MMBtu/hr	indirect heating
Fuel	Heat Content	Units	Max. % Sulfur	Max. % Ash	Grade No. [fuel oil only]	Supplier [used oil only]
Coal	N/A	Btu/lb				
uel Oil		Btu/gal				
Natural Gas		Btu/ft³				
P. Gas		Btu/ft³				
Vood	1	Btu/lb				
Other (specify)			N.			
7. Products of	•	ınit:				
	ducts			antity/year	<u> </u>	Units of production
Limestone			800,000		tons	3
	······································					
any work praction						ich affects emissions or
N/A						
		* * * * * * * * * * * * * * * * * * * *				
		<u> </u>		and the same and t	When the state of	
9. Is there any e	emission con	itrol equipm	ent on this e	mission sou	rce?	
(Yes No) (Where a c	ontrol devi	ce existe AF	FM Form 11	N must be comple	eted and attached).
	. imoreac	.S.I.E. OI GEVI	oo onidio, Al		- made be comple	otoa una attaoneuj.

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

Page 3 of 5

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		4	ζ.	<u>/</u>					, ,			
	Exit	Temperature (°F)		,								
	Volume of Gas Discharged (ACFM)											
	Gas Exit	Velocity (Feet/Sec)										
	Inside Area if NOT	Round Opening (sq. feet)										
	Inside Diameter	for Round Opening (Feet)		į								
Stack	_											
	GEP Stack Height (Feet)							4			<u> </u> 	
	Height Above Grade (Feet)											in Ho
	aphic nates	LONG										re is 29 92
	Geographic Coordinates	LAT										Std pressu
	rdinates	N-S (km)	emissions									ture is 68°F -
	UTM Coordinates	E-W (km)	Fugitive									* Std temperature is 68°F - Std pressure is 29.92" in Ho
	Emission	Foint										*

	F	otential Em	Regulatory Emission Limit		
Pollutants	(lb/hr)	(Tons/yr)	Basis of Calculation	(lb/hr)	(units of standard)
PM	1.78	2.21	AP-42		7%
	·				
	,				
		-			
			. =		
	Pollutants	Pollutants (lb/hr) PM 1.78	Pollutants (lb/hr) (Tons/yr) PM 1.78 2.21	Pollutants (lb/hr) (Tons/yr) Basis of Calculation PM 1.78 2.21 AP-42	Pollutants (lb/hr) (Tons/yr) Basis of Calculation (lb/hr) PM 1.78 2.21 AP-42

- 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.

13.	Is this uni	t or process	in compliance with all	applicable air pollution	rules and regulations?								
	Yes	□No											
	(if "no", a	compliance	schedule, ADEM Form	437 must be complete	d 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.	——————5. 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											
	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.)												
	Limest	one	24"-Dust	500	Wetted								
N	ame of per	rson preparin	g application: Lance	Green									
				ly signed by Lance Green									

	Make: MGL Rated process capacit Manufactured date: 2	ty (manufacturer's or designer's guara 2022 Ori Reconstruction or	Proposed installation date: ginal installation date (if existing): Modification date (if applicable):	12/2022
3	Make: MGL Rated process capacit	Model: ty (manufacturer's or designer's guara 2022 Original Control of the contro	48" X130' nteed maximum) in pounds/hour: Proposed installation date: ginal installation date (if existing):	12/2022
3	Make: MGL Rated process capacit	Model: ty (manufacturer's or designer's guara	48" X130' nteed maximum) in pounds/hour: Proposed installation date:	12/2022
3	Make: MGL Rated process capacit	Model: ty (manufacturer's or designer's guara	48" X130' nteed maximum) in pounds/hour:	
3	Make: MGL	Model:	48" X130'	800 TPH
3	- NACI			
3	3. Type of unit or process	s (e.g., calcining kiln, cupola furnace):	Transfer Conveyor (C3)	
	Material from SM620 (E).	O(D) will discharge onto Conveyor (C3) that will deliver material to	HSI 1516
	the operations.) An app Operating scenario num	plication should be completed for each	alternative operating scenario.	
2.	for each type of proces material from, or provid	eration of this unit or process in your fa s or for multiple units of one process les input material to, another operation	type. If the unit or process receive, please indicate the relationship	es input
_	Name of facility or orgal	nization: <u>North Alabama Materials La</u>	Do not write in this space cey's Spring Quarry	
1.	Name of facility and areas			

Material			Proces	s Rate Average (lb/hr)	Maximum (lb/hr)	Quantity tons/year	
Limestone			400	TPH	800 TPH	1,200,000	
							
				ıipment (exclu 104):	de fuel used by inc MMBtu/hr	direct heating	
Fuel	Heat Content	Units	Max. % Sulfur	Max. % Ash	Grade No. [fuel oil only]	Supplier [used oil only]	
pal	N/A	Btu/lb					
el Oil		Btu/gal					
itural Gas		Btu/ft³					
P. Gas		Btu/ft ³					
ood		Btu/lb					
her (specify)				<u> </u>			
. Products of	process or ι	ınit:					
Prod	lucts		['] Qua	antity/year		Units of production	
mestone			1,200,000)	tons		
							
					······································		
For each regu	ulated nollut	ant describ	ne any limita	tions on source	e operation which	affects emissions or	
ny work practic /A							
			· · · · · · · · · · · · · · · · · · ·				
1- H							
Is there any e							
(es (No	(Where a c	ontrol device	ce exists, AD	EM Form 110	must be complete	d and attached).	

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

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			\		 				-			 71
	Exit	(°F)										
	Volume of Gas Discharged (ACFM)											
	Gas Exit	(Feet/Sec)										
	Inside Area if NOT	Round Opening (sq. feet)										
	Inside Diameter	Opening (Feet)										
Stack	_											
	GEP Stack	Height (Feet)										
	Height Above Grade (Feet)							•				'in Hg.
	Geographic Coordinates	LONG		_								re is 29.92
	Geogr	LAT							,		,	Std pressu
	dinates	N-N (Km)	emissions	-								ture is 68°F-
	UTM Coordinates	E-W (km)	Fugitive									* Std temperature is 68°F - Std pressure is 29.92" in Hg.
	Emission											

Emission			Potential Em		Regulatory E	mission Limit
Emission Point	Pollutants	(lb/hr)	(Tons/yr)	Basis of Calculation	(lb/hr)	(units of standard)
9	PM	1.78	2.94	AP-42		7%
-						
						
		 			 	
			<u> </u>		<u> </u>	
		1				
			1	_	<u></u>	

- 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.

3. Is this un	it or process	in compliance v	with all a	applicable air pollution	rules and regulations?				
■Yes	□No								
(if "no", a	a compliance	schedule, ADE	M Form	437 must be complete	d and attached.)				
	input materi come airborr		om this p	process or unit contair	n finely divided materials which				
■Yes	□No								
	is this material stored in piles or in some other facility as to make possible the creation of dust problems?								
■Yes	□No								
List stora	age piles or o	ther facility (if a	ny):						
Туре с	of material	Particle si (diameter or s size)		Pile size or facility (average tons)	Methods utilized to control fugitive emissions (wetted, covered, etc.)				
Limest	tone	24"-Dust		500	Wetted				
lame of pe	rson preparii	ng application:	Lance	Green					
с. ро	Lance		Digitall	y signed by Lance Green					

			Do not write in this engage								
۱.	Do not write in this space Name of facility or organization: <u>North Alabama Materials Lacey's Spring Quarry</u>										
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 10										
	Limestone rock enters secondary Impact crusher (E) from transfer conveyor(C3) where it is										
	broken down into smaller size	es. 									
				_							
			**************************************	_							
		1,000									
				_							
3	3. Type of unit or process (e.g., ca	lcining kiln, cupola furnace):	Impact crusher	_							
	Make: Terex	Model:	1516 HSI								
	Rated process capacity (manufacturer's or designer's guaranteed maximum) in pounds/hour: 800 TPH										
	Manufactured date: 2022	actarer s or designer s guara	Proposed installation date: 12/2022								
	wandlactured date			-							
			ginal installation date (if existing):	_							
		Reconstruction or	Modification date (if applicable):								
1.	Normal operating schedule:										
	Hours per day: 11	Days per week: 5.5	Weeks per year: 50	_							
	Peak production season (if any):	Spring & Summer	•	_							

6. Total heat input capacity of process heating equipment (exclude fuel used by indirect heat equipment previously described on ADEM Form 104):MMBtu/hr Fuel		Quantit tons/yea	Maximum (lb/hr)	Rate Average (lb/hr)	Proces		Material	
equipment previously described on ADEM Form 104):MMBtu/hr Fuel	0,000	1,200,00	800 TPH	H	400 TI			Limestone
equipment previously described on ADEM Form 104):MMBtu/hr Fuel			· · · · · · · · · · · · · · · · · · ·				Post of the Control o	
equipment previously described on ADEM Form 104):MMBtu/hr Fuel								
equipment previously described on ADEM Form 104):MMBtu/hr Fuel								
Products Quantity/year Units of promotions on source operation which affects enry work practice standard (attach additional page if necessary): Content Units Sulfur Ash [fuel oil only] [used ball Sulfur Ash [used ball Sulfu	ing	ndirect heating						
el Oil Btu/gal attural Gas Btu/ft³ P. Gas Btu/ft³ P. Gas Btu/ft³ Products of process or unit: Products Quantity/year Units of primestone 1,200,000 tons For each regulated pollutant, describe any limitations on source operation which affects enry work practice standard (attach additional page if necessary): //A		Supplie [used oil c				Units		Fuel
Astural Gas P. Gas Btu/ft³ Dod Btu/lb Her (specify) Products of process or unit: Products Quantity/year Units of proint imestone 1,200,000 tons For each regulated pollutant, describe any limitations on source operation which affects en my work practice standard (attach additional page if necessary): I//A						Btu/lb	N/A	pal
P. Gas Btu/ft³ Dod Btu/lb D						Btu/gal		el Oil
Products of process or unit: Products Quantity/year Units of promestone 1,200,000 tons For each regulated pollutant, describe any limitations on source operation which affects ency work practice standard (attach additional page if necessary): //A						Btu/ft ³		tural Gas
Products of process or unit: Products Quantity/year Units of processor mestone 1,200,000 tons For each regulated pollutant, describe any limitations on source operation which affects ency work practice standard (attach additional page if necessary): //A						Btu/ft³		P. Gas
Products of process or unit: Products Quantity/year Units of promestone 1,200,000 tons For each regulated pollutant, describe any limitations on source operation which affects encry work practice standard (attach additional page if necessary): //A						Btu/lb		ood
Products Quantity/year Units of promestone 1,200,000 tons For each regulated pollutant, describe any limitations on source operation which affects encry work practice standard (attach additional page if necessary): //A								her (specify)
For each regulated pollutant, describe any limitations on source operation which affects en ny work practice standard (attach additional page if necessary): /A	oduction	Units of produc	ı	ntity/year	Qua	ınit:		
ny work practice standard (attach additional page if necessary): /A				Tallon III Albania Alb				
ny work practice standard (attach additional page if necessar <u>y):</u> /A								
ny work practice standard (attach additional page if necessary): /A								
ny work practice standard (attach additional page if necessary): /A							•	
	nissions or	h affects emissio	e operation which					ny work practio
								/A
								
	Karasının iliyi dilkir basının sadirildi faranın s			**************************************)		
. Is there any emission control equipment on this emission source?			e?	nission sourc	ent on this e	trol equipm	emission con	. Is there any e
(a) yes (b) No (Where a control device exists, ADEM Form 110 must be completed and attack	ched).	ed and attached	nust be complete	M Form 110	e exists. AD	ontrol devi	o (Where a c	Yes No

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Stack	Height GEP Base Diameter NOT Closing Gas Exit Ga	Opening Round (Feet/Sec) (Feet/Sec) (sq. feet)									
Stack	_						,			_	
	GEP Stack	Height (Feet)									
	Height Above	Grade (Feet)	_		 	 		-			
	aphic inates	FONG									
	Geographic Coordinates	LĀŢ									
	dinates.	N-S (km)	emissions	1							
	UTM Coordinates	E-W (km)	Fugitive								

Emission			Potential Em		Regulatory E	mission Limit
Point	Pollutants	(lb/hr)	(Tons/yr)	Basis of Calculation	(lb/hr)	(units of standard)
10	PM	0.44	0.72	AP-42	N/A	12%
						

- 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.

■Yes	□No			
(if "no",	a compliance	e schedule, ADEM Form	437 must be complete	d and attached.)
	e input mater ecome airbor		process or unit contain	finely divided materials which
■Yes	□No			
fugitive	dust problem ∐No		ome other facility as to	make possible the creation of
Туре	of material	Particle size (diameter or screen size)	Pile size or facility (average tons)	Methods utilized to control fugitive emissions (wetted, covered, etc.)
Limes	tone	24"-Dust	500	Wetted
Name of pe	erson prepari	ng application: Lance	Green	
Signature:	Lance		y signed by Lance Green 2022.05.19 11:55:19 -05'00'	Date:

۱.	Name of facility or organization:	lorth Alabama Materials La	Do not write in this space cey's Spring Quarry	
2.	Briefly describe the operation of the for each type of process or for material from, or provides input in the operations.) An application supplication supplies the following scenario number 11 (T) and the following scenario operations of the following scenario operation	ultiple units of one process in naterial to, another operation should be completed for each	type. If the unit or process receive, please indicate the relationship alternative operating scenario.	ves input between
	Material from Impactor (E) will Box (F).	I discharge onto Conveyor	(C4) that will deliver material t	o Splitter
		·		
			,	
				· · · · · · · · · · · · · · · · · · ·
;	3. Type of unit or process (e.g., cal	cining kiln, cupola furnace):	Transfer Conveyor (C4)	
	Make: MGL	Model:	48" X 80'	
			nteed maximum) in pounds/hour:	800 TPH
	Manufactured date: 2022		Proposed installation date:	
		Oriç	ginal installation date (if existing):	
		Reconstruction or	Modification date (if applicable):	
4.	Normal operating schedule:			
	Hours per day: 11	Days per week: 5.5	Weeks per year: 50	·
	Peak production season (if any):	Spring & Summer		
			•	

,	Material		Froces	s Rate Averag (lb/hr)	ge Maximum (lb/hr)	Quantity tons/year
Limestone			400	TPH	800 TPH	1,200,000
. Total heat in equipment p					lude fuel used by ind	direct heating
Fuel	Heat Content	Units	Max. % Sulfur	Max. % Ash	Grade No. [fuel oil only]	Supplier [used oil only]
oal	N/A	Btu/lb				
uel Oil		Btu/gal				
atural Gas		Btu/ft³				
. P. Gas		Btu/ft³				
/ood		Btu/lb				
ther (specify)	j					
7. Products of	process or u	ınit:				
Proc	ducts		Qua	antity/year		Units of production
_imestone			1,200,000)	tons	
						7777
		· · · · · · · · · · · · · · · · · · ·				7.87.183.113
				·		
any work practio					rce operation which):	affects emissions o
V/A						***************************************
						
	·*····					
······································			***********************************		THE CHARLEST AND A CHARLEST COMMISSION OF THE CH	Militare constitut Militare e en consequent e que como consequent de versación aix

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				,					 _			_
	Exit	l emperature (°F)										
		Discharged (ACFM)										
	Gas Exit	Velocity (Feet/Sec)										
	Inside Area if NOT	Round Opening (sq. feet)	·								,	
		Opening (Feet)			,		·					
Stack	Base	(Feet)						,				
	GEP Stack	Height (Feet)								1		
	Height Above	Grade (Feet)										" in Ha
	aphic nates	LONG										re is 29 92
	Geographic Coordinates	LAT									•	Std pressu
	rdinates	N-S (km)	emissions									ture is 68°F -
	UTM Coordinates	E-W (km)	Fugitive									* Std temperature is 68°F - Std pressure is 29.92" in Ha
	Emission											, e

Emission			Potential Em		Regulatory E	mission Limit
Point	Pollutants	(lb/hr)	(Tons/yr)	Basis of Calculation	(lb/hr)	(units of standard)
11	РM	PM 1.78		AP-42		7%
						
			 			
_ 			-			
						

- 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.

(E Check box if extra pages are attached)

Process flow diagram

(

	it of process	in compliance with all a	applicable air pollution	rules and regulations?
■Yes	□No			
(if "no", a	a compliance	schedule, ADEM Form	437 must be complete	d and attached.)
l. Does the could be	input materi come airbori	al or product from this pne?	orocess or unit contair	finely divided materials which
■Yes	□No			
	is this materi lust problem		ome other facility as to	make possible the creation of
■Yes	□No			
List stora	age piles or c	other facility (if any):		
Туре с	of material	Particle size (diameter or screen size)	Pile size or facility (average tons)	Methods utilized to control fugitive emissions
I		J 5120/		(wetted, covered, etc.)
Limest	one	24"-Dust	500	(wetted, covered, etc.) Wetted
Limest	cone		500	· · · · · · · · · · · · · · · · · · ·
Limest	one		500	· · · · · · · · · · · · · · · · · · ·
Limest	one		500	· · · · · · · · · · · · · · · · · · ·
Limest	one		500	· · · · · · · · · · · · · · · · · · ·
Limest	one		500	· · · · · · · · · · · · · · · · · · ·
Limest	one		500	· · · · · · · · · · · · · · · · · · ·
		24"-Dust		· · · · · · · · · · · · · · · · · · ·
	rson prepari	ng application:	Green y signed by Lance Green	· · · · · · · · · · · · · · · · · · ·

1.	Name of facility or organization:	North Alahama Materials I	Do not write in this space	
2.	Briefly describe the operation of for each type of process or for a material from, or provides input	this unit or process in your nultiple units of one proces material to, another operati	facility: (separate forms are to be s s type. If the unit or process recei on, please indicate the relationship ch alternative operating scenario.	ves input
	Operating scenario number 12 Conveyor (C4) will deliver m (C5,C6)	naterial to Splitter Box (F)	that will deliver material to Conv	eyors
	•			
		,		
3	3. Type of unit or process (e.g., ca	dcining kiln, cupola furnace	: Splitter Box (F)	
	Make: Terex	Model	: <u>NA</u>	
	Rated process capacity (manuf	acturer's or designer's guar	ranteed maximum) in pounds/hour:	800 TPH
	Manufactured date: 2022		Proposed installation date:	12/2022
		Oi	riginal installation date (if existing):	
		Reconstruction of	or Modification date (if applicable):	
1.	Normal operating schedule:			
	Hours per day: 11	Days per week: 5.5	Weeks per year: 50	
	Peak production season (if any):	Spring & Summer		

	Material		Proces	s Rate Average (lb/hr)	Maximum (lb/hr)	Quantity tons/year
Limesto	ne		400	TPH	800 TPH	1,200,000
		\				
	it input capacity nt previously de				ide fuel used by ind MMBtu/hr	irect heating
Final	Heat		Max. %	Max. %	Grade No.	Supplier
Fuel	Content	Units	Sulfur	Ash	[fuel oil only]	[used oil only]
oal	N/A	Btu/lb				· · · · · · · · · · · · · · · · · · ·
ıel Oil		Btu/gal				<u> </u>
atural Gas		Btu/ft³				
P. Gas		Btu/ft³	-			
ood		Btu/lb				
ther (specify	/)	 		<u> </u>		
. Products	of process or u	ınit:				
F	Products		Qua	antity/year		Inits of production
imestone			1,200,000)	tons	l
	· · · · · · · · · · · · · · · · · · ·					THE PERSON STATES OF THE STATE
For each	regulated pollut	ant. describ	e anv limita	tions on sourc	ce operation which	affects emissions or
ny work pra	ctice standard					
I/A						
		<u>, </u>				

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* Std temperature is 68°F - Std pressure is 29.92" in Hg.

			×				 	·			
	Exit	(°F)									
		Discharged (ACFM)									
	Gas Exit	Velocity (Feet/Sec)									
	Inside Area if NOT	Round Opening (sq. feet)									
	Inside Diameter	Opening (Feet)									
Stack	Base Elevation (Feet)										
	GEP Stack	Height (Feet)				ı					
	Height Above	Grade (Feet)									
	aphic nates	FONG									
	Geographic Coordinates	LAT									
	rdinates	N-S (km)	emissions							· ·	
	UTM Coordinates	E-W (km)	Fugitive								
	Emission	Foint									

Emission			Potential Em		Regulatory E	mission Limit
Point	Pollutants	(lb/hr)	(Tons/yr)	Basis of Calculation	(lb/hr)	(units of standard)
12	PM	1.78	2.94	AP-42		7%
				·		
						
				,		
-						
		<u> L</u>	<u> </u>			L

- 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.

13.	is this unit	or process	in compliance with all a	applicable air pollution	rules and regulations?
	■Yes	□No			
	(if "no", a c	ompliance	schedule, ADEM Form	437 must be complete	d and attached.)
14.		iput materia me airborn		process or unit contair	n finely divided materials which
	■Yes	□No	1		
15.	If "yes", is fugitive du			ome other facility as to	make possible the creation of
	■Yes	∐No			
	List storag	e piles or o	ther facility (if any):		
	Type of I	material	Particle size (diameter or screen size)	Pile size or facility (average tons)	Methods utilized to control fugitive emissions (wetted, covered, etc.)
	Limesto	ne	24"-Dust	500	Wetted
Ī					
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L			<u> </u>	,	
			Lance	Green	
			Groop Digitally	y signed by Lance Green	
Si	gnature:	Lance		022.05.19 13:52:35 -05'00'	Date:
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			-	
			Do not write in this space	
١.	Name of facility or organization:	<u>Iorth Alabama Materials La</u>	cey's Spring Quarry	
2.	Briefly describe the operation of to for each type of process or for material from, or provides input in the operations.) An application s	oultiple units of one process to naterial to, another operation	type. If the unit or process recei , please indicate the relationship	ves input
	Operating scenario number 13,14			
	Conveyors (C5,C6) will delive	er material from Splitter Bo	ox (F) to Screens (G,H).	
			144	
			Transfer Convover	
3	3. Type of unit or process (e.g., cal	cining kiln, cupola furnace):	Transfer Conveyor	
	Make: MGL	Model:	36" X 100'	
	manc.			900 TDU
		acturer's or designer's guara	nteed maximum) in pounds/hour:	<u>800 IPH</u>
	Manufactured date: 2022		Proposed installation date:	12/2022
		Oriç	ginal installation date (if existing):	
		Reconstruction or	Modification date (if applicable):	
4.	Normal operating schedule:			
	Hours per day: 11	Days per week: 5.5	Weeks per year: 50	
	Peak production season (if any):	Spring & Summer		
	- /			

equipment previo				(lb/hr)	(lb/hr)	Quantity tons/year
equipment previo			400	TPH	800 TPH	1,200,000
equipment previo						
equipment previo					, <u></u>	
equipment previo						
oal oal vel Oil atural Gas P. Gas ood ther (specify) 7. Products of process					ude fuel used by ind MMBtu/hr	direct heating
uel Oil latural Gas . P. Gas lood other (specify) 7. Products of procure	leat intent	Units	Max. % Sulfur	Max. % Ash	Grade No. [fuel oil only]	Supplier [used oil only]
latural Gas P. Gas Vood Other (specify) 7. Products of proce	V/A	Btu/lb			· · · · · · · · · · · · · · · · · · ·	
P. Gas food ther (specify) 7. Products of procure		Btu/gal				
/ood hther (specify) 7. Products of proce		Btu/ft³				
ther (specify) 7. Products of proc		Btu/ft ³				
7. Products of proc		Btu/lb				
Products						
	ess or u	nit:				
_	3		Qua	ntity/year		Units of production
∟imestone			1,200,000		tons	
				»»«-»»««««««««««««««««««««««««««««««««		
				<u>, , , , , , , , , , , , , , , , , , , </u>		
3. For each regulate any work practice st						affects emissions or
N/A		•	. •	, M A.		
)			
-	_			rida (njamonamorrista) illi tto bes ia (nododi) illika .		
3. Is there any emiss	sion con	trol equipm	ent on this e	emission sour	ce?	
(es (WI	here a c	ontrol devi	ce exists, AD	EM Form 110	must be complete	d and attached).

Page 3 of 5

ADEM Form 105 08/19 m5

* Std temperature is 68°F - Std pressure is 29.92" in Hg.

				•				. :			
	Exit	(°F)				,					
, ,		Discharged (ACFM)								,	
	Gas Exit	(Feet/Sec)									
	Inside Area if NOT	Round Opening (sq. feet)									
	Inside Diameter	Opening (Feet)									
Stack	Base	(Feet)									
	GEP Stack	Height (Feet)									
	Height Above	Grade (Feet)									
	aphic nates	LONG									
	Geographic Coordinates	LAT									
	rdinates	N-S (km)	emissions								
	UTM Coordinates	E-W (km)	Fugitive								
	Emission										

Emission			Potential Em	issions Basis of	Regulatory E	mission Limit
Point	Pollutants	(lb/hr)	(lb/hr) (Tons/yr)		(lb/hr)	(units of standard)
13	PM	1.78	2.94	AP-42		7%
14	PM	1.78	2.94	AP-42		7%
					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.

13.	Is this uni	t or process	in compliance with all a	applicable air pollution	rules and regulations?
	■Yes	□No			
	(if "no", a	compliance	schedule, ADEM Form	437 must be complete	d and attached.)
14.		input materia come airborn		orocess or unit contair	n finely divided materials which
	■Yes	□No		1	
15.		s this materia ust problems		ome other facility as to	make possible the creation of
	■Yes	□No			
	List stora	ge piles or ot	ther facility (if any):		
	Type of	f material	Particle size (diameter or screen size)	Pile size or facility (average tons)	Methods utilized to control fugitive emissions (wetted, covered, etc.)
	Limesto	one	24"-Dust	500	Wetted
N	ame of per	rson preparin	g application: Lance	Green	
Si	gnature:	Lance		y signed by Lance Green 2022.05.19 13:52:35 -05'00'	Date:
			•		

۱.		
	Do not write in this space . Name of facility or organization: <u>North Alabama Materials Lacey's Spring Quarry</u>	
2.	Briefly describe the operation of this unit or process in your facility: (separate forms are to be substituted 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 the operations.) An application should be completed for each alternative operating scenario.	input
	Operating scenario number 15,16	
	Limestone rock enters screens via transfer conveyors (C5,C6) and is separated into various	ous
	sizes and sends material via chutes to transfer conveyors (C7-C11)	
		,
	3. Type of unit or process (e.g., calcining kiln, cupola furnace): Screen	
	5. Type of unit or process (e.g., calcining kim, cupola turnace): Octobr	
•	3. Type of unit or process (e.g., calcining kiln, cupola furnace): Screen	
	Make: Terex Model: LJ-TSV8203	0 TPH
	Make: Terex Model: LJ-TSV8203 Rated process capacity (manufacturer's or designer's guaranteed maximum) in pounds/hour: 40	/2022
	Make: Terex Model: LJ-TSV8203 Rated process capacity (manufacturer's or designer's guaranteed maximum) in pounds/hour: 40 Manufactured date: 2022 Proposed installation date: 12 Original installation date (if existing):	/2022
ı.	Make: Terex Model: LJ-TSV8203 Rated process capacity (manufacturer's or designer's guaranteed maximum) in pounds/hour: 40 Manufactured date: 2022 Proposed installation date: 12	/2022
ı.	Make: Terex Model: LJ-TSV8203 Rated process capacity (manufacturer's or designer's guaranteed maximum) in pounds/hour: 40 Manufactured date: 2022 Proposed installation date: 12 Original installation date (if existing):	/2022

	Material		Proces	s Rate Averag (lb/hr)	e Maximum (lb/hr)	Quantity tons/year
Limestone	<u> </u>		200	TPH	400 TPH	600,000
entra en		· A		· ·		
				· · · · · · · · · · · · · · · · · · ·		
				nipment (excl 104):	ude fuel used by in MMBtu/hr	direct heating
Fuel	Heat Content	Units	Max. % Sulfur	Max. % Ash	Grade No. [fuel oil only]	Supplier [used oil only]
Coal	N/A	Btu/lb				
uel Oil		Btu/gal				
latural Gas		Btu/ft³				
<u>P. Gas</u>		Btu/ft³				·
Vood		Btu/lb				
Proc Limestone	ducts		Qua	antity/year	tons	Units of production
3. For each reg any work practi						n affects emissions or
9. Is there any e	emission con	itrol equipm	ent on this e	mission sour		

Page 3 of 5

ADEM Form 105 08/19 m5

			· · · · · ·	-		 -	···	1			 	 , ,	, 1	n
	Exit	(°F)												
	Volume of Gas													
	Gas Exit	(Feet/Sec)			_									
	Inside Area if NOT	Round Opening (sq. feet)												
	Inside Diameter	Opening (Feet)												
Stack	Base	(Feet)										 -		
	GEP Stack	Height (Feet)												
	Height Above	Grade (Feet)												" in Hg.
	aphic nates	LONG				_								re is 29.92
	Geographic Coordinates	LAT	,											Std pressu
	rdinates	N-S (km)	emissions											ture is 68°F -
	UTM Coordinates	E-W (km)	Fugitive											* Std temperature is 68°F - Std pressure is 29.92" in Hg.
	Emission				_									

Emission			Potential Em		Regulatory E	Emission Limit
Point	Pollutants	(lb/hr)	(Tons/yr)	Basis of Calculation	(lb/hr)	(units of standard)
15	PM	1.27	1.05	AP-42		7%
16	PM	1.27	1.05	AP-42		7%

- 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.

13.	Is this unit or pro	ocess in compliance with all	applicable air pollutior	rules and regulations?
	■Yes □No			
	(if "no", a compli	ance schedule, ADEM Form	437 must be complete	d and attached.)
14.	Does the input m could become air		process or unit contain	n finely divided materials which
	■Yes □No			
15.	If "yes", is this m fugitive dust pro		ome other facility as to	make possible the creation of
	■Yes □No			
	List storage piles	s or other facility (if any):		
	Type of materi	Particle size ial (diameter or screen size)	Pile size or facility (average tons)	Methods utilized to control fugitive emissions (wetted, covered, etc.)
	Limestone	24"-Dust	500	Wetted
	_			
_	-			
N	ame of person pre	eparing application:	Green	
Si	gnature: Lan		ly signed by Lance Green 2022.05.19 12:52:28 -05'00'	Date:

1	Name of facility or organization:	North Alabama Matariala La	Do not write in this space
1.	Name of facility or organization:	NORTH Alabama Materials La	cey's Spring Quarry
2.	for each type of process or for i	nultiple units of one process material to, another operation should be completed for each	acility: (separate forms are to be submitted type. If the unit or process receives input n, please indicate the relationship between a alternative operating scenario.
	Conveyors (C7-C11) will de	liver material from Sceens	(G,H) to Radial Stackers(RS4-RS6).
3	3. Type of unit or process (e.g., ca	alcining kiln, cupola furnace):	Transfer Conveyor
	Make: MGL	Model:	36" X 60'
	Rated process capacity (manuf	facturer's or designer's guara	nteed maximum) in pounds/hour: 800 TPH
	Manufactured date: 2022		Proposed installation date: 12/2022
		Ori	ginal installation date (if existing):
		Reconstruction or	Modification date (if applicable):
4.	Normal operating schedule:		
	Hours per day: 11	Days per week: 5.5	Weeks per year: 50
	Peak production season (if any):	Spring & Summer	

	Material Limestone		Proces	s Rate Average (lb/hr)	e Maximum (lb/hr)	Quantity tons/year
Limestone			400	TPH	800 TPH	1,200,000
. Total heat in equipment p	iput capacit previously de	y of process escribed on	heating eqւ ADEM Form	ipment (excl 104):	ude fuel used by indi MMBtu/hr	rect heating
Fuel	Heat Content	Units	Max. % Sulfur	Max. % Ash	Grade No. [fuel oil only]	Supplier [used oil only]
oal	N/A	Btu/lb				
uel Oil		Btu/gal				
atural Gas		Btu/ft³	-			
P. Gas		Btu/ft³				
ood		Btu/lb				
ther (specify)						
7. Products of Products Limestone	process or u	unit: 	Qua 1,200,000	antity/year	u	nits of production
			1,200,000		10113	
			,			
					<u> </u>	
3. For each reg	ulated pollul ce standard	tant, describ	e any limita itional page	tions on sour	ce operation which a	ffects emissions or
N/A						
				· · · · · · · · · · · · · · · · · · ·		
v						·
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) Is there any s	amission cor	strol equipm	ant on this a	mission sour	002	
9. Is there any e				mission sour	ce?	
					must be completed	

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	Exit	(°F)						į				
		Discharged (ACFM)					,			-		
	Gas Exit	(Feet/Sec)										
	Inside Area if NOT	Round Opening (sq. feet)							i			
	Inside Diameter	Opening (Feet)										
Stack	Base	(Feet)										
	GEP Stack	Height (Feet)										
	Height Above	Grade (Feet)										" in Hg.
	aphic inates	LONG										re is 29.92
	Geographic Coordinates	LAT	ı									Std pressu
	rdinates	N-S (km)	emissions									ture is 68°F.
	UTM Coordinates	E-W (km)	Fugitive									* Std temperature is 68°F - Std pressure is 29.92" in Hg.
	Emission										٠	

Emission			Potential Em	issions	Regulatory E	mission Limit
Point	Pollutants	(lb/hr)	(Tons/yr)	Basis of Calculation	(lb/hr)	(units of standard)
17	PM	1.78	2.94	AP-42		7%
18	PM	1.78	2.94	AP-42		7%
19	PM	1.78	2.94	AP-42		7%
20	PM	1.78	2.94	AP-42		7%
21	PM	1.78	2.94	Ap-42		7%
			•			

- 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.

3. Is this unit or pr	ocess in compliance with all	applicable air pollution	rules and regulations?						
■Yes □Ne	o								
(if "no", a comp	(if "no", a compliance schedule, ADEM Form 437 must be completed and attached.)								
4. Does the input of could become a		process or unit contair	n finely divided materials which						
■Yes □Ne	0								
5. If "yes", is this r fugitive dust pro		ome other facility as to	make possible the creation of						
■Yes	o		,						
List storage pile	es or other facility (if any):								
Type of mate	Particle size rial (diameter or screen size)	Pile size or facility (average tons)	Methods utilized to control fugitive emissions (wetted, covered, etc.)						
Limestone	24"-Dust	500	Wetted						
			`						
	I	<u> </u>							
	. " Lance	Green							
ا م	reparing application: Digital	ly signed by Lance Green							
Signature: Lal		2022.05.19 13:52:35 -05'00'	Date:						

			Do not write in this area	
١.	Name of facility or organization:	North Alabama Materials La	Do not write in this space cey's Spring Quarry	
2.	for each type of process or for m	nultiple units of one process naterial to, another operation	cility: (separate forms are to be su type. If the unit or process receiv , please indicate the relationship l alternative operating scenario.	es input
	Operating scenario number 22			
	Conveyor (C7) will deliver ma (C12,C13)	aterial to Splitter Box (I) tha	at will deliver material to Conve	yors
	-			
	1 -1	At all a second and a second an		
				`
;	3. Type of unit or process (e.g., ca	lcining kiln, cupola furnace):	Splitter Box (I)	
	Make: Terex	Model:	NA	
	Rated process capacity (manuf		nteed maximum) in pounds/hour:	800 TPH
	Manufactured date: 2022		Proposed installation date:	
		Ori	ginal installation date (if existing):	
		Reconstruction or	Modification date (if applicable):	
4.	Normal operating schedule:			
	Hours per day: 11	Days per week: 5.5	Weeks per year: 50	
	Peak production season (if any):	Spring & Summer		

equipment previ	iously de: Heat				800 TPH	1,200,000
equipment previ	iously de: Heat					
equipment previ	iously de: Heat					
equipment previ	iously de: Heat			dana an t		
equipment previ	iously de: Heat					
Puel Co pal			PACINI LOUIN		de fuel used by ind MMBtu/hr	irect heating
pel Oil atural Gas P. Gas ood ther (specify)	ontent	Units	Max. % Sulfur	Max. % Ash	Grade No. [fuel oil only]	Supplier [used oil only]
P. Gas ood ther (specify)	N/A	Btu/lb				
P. Gas ood ther (specify)		Btu/gal		_		
ood ther (specify)		Btu/ft ³				
ther (specify)		Btu/ft³		_		
		Btu/lb				
. Products of prod	cess or u	nit:				
Product	ts			antity/year		Units of production
imestone			1,200,000		tons	
U						
		<u>.</u>				- Ankara - Caracana - Characana - Habitana - Characana
. For each regulate my work practice s	ed pollut	ant, describ	e any limita	tions on source	e operation which	affects emissions or
lily work practice s I/A	itanuaru ((attach auu	ilionai page	ii fiecessar <u>y).</u>		
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					-	
	•					
. Is there any emis	ssion con	troi equipm	ent on this e	emission sourc	De'?	
es No (W	Vhere a c	بالتحام المعالمين		NEAR E 440		

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Stack	Inside Area if Gas Exit Cas Exit Gas Gas	Height Creet) (Feet) (Feet) (Feet) (Feet)Sec) (Feet/Sec) (Feet/Sec) (ACFM) (Feet) (ACFM)								
	Height Above	Grade (Feet)								
	Geographic Coordinates	LAT								
	dinates	N-S (km)	emissions							
	UTM Coordinates	E-W (km)	Fugitive							
	Emission									

Emission		F	otential Em		Regulatory E	mission Limit
Point	Pollutants	(lb/hr)	(Tons/yr)	Basis of Calculation	(lb/hr)	(units of standard)
22	PM	1.78	2.94	AP-42		7%
	,					
				<u> </u>		
			<u> </u>			

- 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.

. Is this unit or proces	s in compliance with all a	applicable air pollutior	rules and regulations?			
■Yes □No						
(if "no", a complianc	e schedule, ADEM Form	437 must be complete	d and attached.)			
Does the input mater could become airbor		process or unit contair	n finely divided materials which			
■Yes						
If "yes", is this mater fugitive dust problem		ome other facility as to	make possible the creation of			
■Yes						
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.)			
Limestone	24"-Dust	500	Wetted			
		· · · · · · · · · · · · · · · · · · ·				
ame of person prepar	ing application. Lance	Green				

	Manufactured date: Normal operating sch	acity (manufa 2022 nedule:	ecturer's or desig	Model: gner's guara Orig	Transfer Conveyor 36" X 60' nteed maximum) in pounds/hour: Proposed installation date: ginal installation date (if existing): Modification date (if applicable):	12/2022
	Make: MGL Rated process capa Manufactured date:	ncity (manufa	ncturer's or desig	Model: gner's guara Ori	36" X 60' nteed maximum) in pounds/hour: Proposed installation date: ginal installation date (if existing):	12/2022
•	Make: MGL Rated process capa	ncity (manufa	ncturer's or desig	Model: gner's guara Ori	36" X 60' nteed maximum) in pounds/hour: Proposed installation date: ginal installation date (if existing):	12/2022
;	Make: MGL Rated process capa	ncity (manufa		Model: gner's guara	36" X 60' nteed maximum) in pounds/hour: Proposed installation date:	12/2022
;	Make: MGL Rated process capa	ncity (manufa		Model:	36" X 60' nteed maximum) in pounds/hour:	
;	Make: MGL			Model:	36" X 60'	800 TDL
;	NACI.	ess (e.g., cal	cining kiln, cupo			
;	3. Type of unit or proce	ess (e.g., cal	cining kiln, cupo	la furnace):	Transfer Conveyor	
	,					
		and the second s				
						- Alpha - Alph
	Impactor(J).	5 10) Will do	or matorial II	on opinor	(1) to conveyor (co) and cippin	[W] [
	Operating scenario n Conveyors (C12 (liver material fr	om Splitter	(I) to Conveyor (C3) and Lippn	nan
	for each type of proc material from, or prov the operations.) An a	ess or for m vides input m application s	ultiple units of on a control of the	ne process er operation	ncility: (separate forms are to be s type. If the unit or process recei n, please indicate the relationship n alternative operating scenario.	ves input
2.		ganization: <u>N</u>	lorth Alabama N	/laterials La		
1. 2.	Name of facility or org				Do not write in this space	•

	Material			Process Rate Average (lb/hr)		Quantity tons/year		
Limestone	Limestone			400 TPH		1,200,000		

				uipment (excl 104):	ude fuel used by inc	lirect heating		
Fuel	Heat Content	Units	Max. % Sulfur	Max. %	Grade No. [fuel oil only]	Supplier [used oil only]		
Coal	N/A	Btu/lb	Julia	7.5.1	(ide: eii eiiiy)	[acca on omy]		
uel Oil		Btu/gal						
latural Gas		Btu/ft³						
. P. Gas		Btu/ft³						
/ood		Btu/lb		·				
ther (specify)								
7. Products of process or unit: Products				antity/year		Units of production		
Limestone			1,200,000		tonș	tons		

					-			
						affects emissions or		
any work practi N/A	ce standard	(attach add	itional page	if necessary):			
9. Is there any	emission cor	itrol equipm	ent on this e	emission sour	rce?			
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	Exit	(°F)									
		Discharged (ACFM)									
	Gas Exit	(Feet/Sec)									
	Inside Area if NOT	Round Opening (sq. feet)					•				
	Inside Diameter	Opening (Feet)									
Stack	Base	(Feet)									
	GEP Stack	Height (Feet)									
	Height Above S Grade H (Feet) (I										" in Hg.
	aphic nates	LONG									re is 29.92
	Geographic Coordinates	LAT									Std pressu
	rdinates	N-S (km)	emissions								ture is 68°F -
	UTM Coordinates	E-W (km)	Fugitive								* Std temperature is 68°F - Std pressure is 29.92" in Hg.
	Emission										

Emission		F	Potential Em		Regulatory E	
Point	Pollutants	(lb/hr)	(Tons/yr)	Basis of Calculation	(lb/hr)	(units of standard)
23	PM	1.78	2.94	AP-42		7%
24	PM ·	1.78	2.94	AP-42		7%
:						
		,				
	· <u>.</u>					

- 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.

13.	. Is this uni	it or process	in compliance wi	th all a	applicable air pollution	rules and regulations?							
	■Yes	□No											
	(if "no", a	compliance	schedule, ADEM	Form	437 must be complete	d and attached.)							
14.		input materia come airborn		n this	orocess or unit contair	finely divided materials which	ι						
	■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 List storage piles or other facility (if any):												
_	List stora	ge piles or o											
	Type o	f material	Particle size (diameter or sc size)		Pile size or facility (average tons)	Methods utilized to control fugitive emissions (wetted, covered, etc.)							
	Limesto	one	24"-Dust		500	Wetted							
						,	,						
	· · · · · · · · · · · · · · · · · · ·												
N	ame of per	son preparir	ng application:		Green								
Si	gnature:	Lance	Green		y signed by Lance Green 2022.05.19 13:52:35 -05'00'	Date:	······································						

	Make: Lippmar Rated process cap Manufactured date Normal operating s	pacity (manufa e: 2020	cturer's or designer'	Model: s guaran Orig ction or l	Impact crusher LI 5165S Iteed maximum) in pounds/hour: Proposed installation date: inal installation date (if existing): Modification date (if applicable): Weeks per year:	12/2022
	Make: Lippmar Rated process cap Manufactured date	n pacity (manufa e: 2020	cturer's or designer'	Model: s guaran Orig	LI 5165S Iteed maximum) in pounds/hour: Proposed installation date: inal installation date (if existing):	12/2022
3	Make: Lippmar	pacity (manufa	cturer's or designer'	Model: s guaran Orig	LI 5165S Iteed maximum) in pounds/hour: Proposed installation date: inal installation date (if existing):	12/2022
Š	Make: Lippmar	pacity (manufa		Model: s guaran	LI 5165S Iteed maximum) in pounds/hour: Proposed installation date:	12/2022
3	Make: Lippmar	pacity (manufa		Model:	LI 5165S Iteed maximum) in pounds/hour:	
3	Make: Lippmar	1		Model:	LI 5165S	380 TPH
3	Linnmar			-		
3	3. Type of unit or pro	ocess (e.g., cald	cining kiln, cupola fu	rnace):	Impact crusher	
	down into smalle		impaci crusilei (J)	i itolii tii	e conveyor (C12) where it is b	JUKEII
	Operating scenario		Import orushor (1)	from th	o convoyor (C12) whore it is t	rokon
2.	for each type of promaterial from, or prothe operations.) An	ocess or for mo rovides input m n application sl	ultiple units of one p aterial to, another o	rocess to peration,	cility: (separate forms are to be s ype. If the unit or process recei , please indicate the relationship alternative operating scenario.	ves input
	Name of facility or o	organization: N	orth Alabama Mate	rials Lac		
1.					Do not write in this space	

	Material	<u>_</u>	Proces	s Rate Average (lb/hr)	Maximum (lb/hr)	Quantity tons/year
Limestone		·	200	TPH	400 TPH	600,000
				iipment (exclu 104):	de fuel used by inc	direct heating
Fuel	Heat Content	Units	Max. % Sulfur	Max. % Ash	Grade No. [fuel oil only]	Supplier [used oil only]
oal	N/A	Btu/lb				
uel Oil	~~~~	Btu/gal				
atural Gas		Btu/ft³				· -
P. Gas		Btu/ft³				
ood		Btu/lb				
ther (specify)						
 Products of Products imestone 	process or u		Qua	antity/year		Units of production
	\				,	
s. For each reging work practi						n affects emissions or
N/A						
- — — — — — — — — — — — — — — — — — — —	and the second of the second o	Market School and Address School		MINERAL ELECTRICATION AND AND AND AND AND AND AND AND AND AN		
9. Is there any e		-			must be complete	ed and attached).

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* Std temperature is 68°F - Std pressure is 29.92" in Hg.

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		Exit	Temperature (°F)														
		Volume of Gas Discharged (ACFM)				,											
		Base Diameter NOT Velocity (Feet) Opening (Feet) (Feet)															
															1		
	Stack							:									
		GEP Stack Height (Feet)							!								
		Height Above Grade (Feet)															
		aphic nates	LONG														
		Geographic Coordinates	LAT														•
			N-S (km)	emissions											,		
,	~	UTM Coordinates	E-W (km)	Fugitive													
		Emission												,			

Emission			Potential Em		Regulatory E	mission Limit
Point	Pollutants	(lb/hr)	(Tons/yr)	Basis of Calculation	(lb/hr)	(units of standard)
25	PM	0.44	0.36	AP-42	N/A	12%
	,					
		1				
	· · · · · ·	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.

3. Is this uni	t or process	in compliance wit	th all a	pplicable air pollution	rules and regulations?									
■Yes	□No													
(if "no", a	compliance	schedule, ADEM I	Form 4	437 must be complete	d and attached.)									
	input materia ome airborn		this p	process or unit contain	n finely divided materials which									
■Yes	□No													
	. 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													
List stora	ge piles or ol	ther facility (if any	·):											
Type of	f material	Particle size (diameter or scr size)		Pile size or facility (average tons)	Methods utilized to control fugitive emissions (wetted, covered, etc.)									
Limesto	one	24"-Dust		500	Wetted									
Name of per	son preparir	ng application:	ance	Green										
Signature:	Lance	Groon		y signed by Lance Green 022.05.19 11:55:19 -05'00'	Date:									

			Do not write in this space	
1.	Name of facility or organization:	North Alabama Materials Lac		
2.	for each type of process or for n	nultiple units of one process t material to, another operation	cility: (separate forms are to be surype. If the unit or process receive, please indicate the relationship alternative operating scenario.	es input
	Operating scenario number 26—			
	Conveyor (C14) will deliver	material from Impactor (J) t	o Screen(K).	
			en e	
3	3. Type of unit or process (e.g., ca	alcining kiln, cupola furnace):	Transfer Conveyor	
	Make: MGL	Model:	36" X 60'	
	Rated process capacity (manuf		nteed maximum) in pounds/hour:	800 TPH
	Manufactured date: 2022	NATURAL PROPERTY OF THE PROPER	Proposed installation date:	
		Orig	ginal installation date (if existing):	
		Reconstruction or	Modification date (if applicable):	
4.	Normal operating schedule:			
	Hours per day: 11	Days per week: 5.5	Weeks per year: 50	
	Peak production season (if any):	Spring & Summer		

	Material		Proces	s Rate Average (lb/hr)	Maximum (lb/hr)	Quantity tons/year			
Limestone			400	TPH	800 TPH	1,200,000			
	adistration and a second se								
				uipment (exclu 104):	ide fuel used by in MMBtu/hr	direct heating			
Fuel	Heat Content	Units	Max. % Sulfur	Max. % Ash	Grade No. [fuel oil only]	Supplier [used oil only]			
oal	N/A	Btu/lb							
uel Oil		Btu/gal							
latural Gas		Btu/ft³				· · · · · · ·			
. P. Gas		Btu/ft³							
/ood		Btu/lb							
ther (specify)									
7. Products of	process or u	ınit:							
Proc	ducts		Qua	antity/year		Units of production			
_imestone			1,200,000)	tons	tons			
······	d-pt			244044444444444444444444444444444444444		Anapa Maryana			
			***************************************		•				
any work practio						h affects emissions or			
N/A									
			······································			uqyan enemen or eason on musical or announced the later one continued to the later of the later			
9. Is there any e	emission con	ntrol equipm	ent on this e	emission sour	ce?				
(Yes ()No) (Where a c	control devi	ce exists. AE	DEM Form 110	must be complete	ed and attached).			
	,					,			

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* Std temperature is 68°F - Std pressure is 29.92" in Hg.

			(٠			
	Exit	(°F)			,							
		Discharged (ACFM)										
	Gas Exit	(Feet/Sec)		,								
	Inside Area if NOT	Round Opening (sq. feet)		:								
		Opening (Feet)										
Stack											,	
	GEP Stack Height (Feet)							,			•	
	Height Above	Grade (Feet)										
	Geographic Coordinates	LONG										
	Geogr	LAT										
	rdinates	N-S (km)	emissions									
	UTM Coordinates	E-W (km)	Fugitive									
	Emission											

Emission			Potential Em		Regulatory Er	nission Limit
Point	Pollutants	(lb/hr)	(Tons/yr)	Basis of Calculation	(lb/hr)	(units of standard)
26	PM	1.78	2.94	AP-42		7%
				- · ·		

- 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.

. IS this uni	t or process	in compliance with all a	applicable air pollution	rules and regulations?
■Yes	□No	·	-	
(if "no", a	compliance	schedule, ADEM Form	437 must be complete	d and attached.)
	input materia come airborn		process or unit contair	n finely divided materials which
Yes	□No			
	s this materia ust problems		ome other facility as to	make possible the creation of
■Yes	□No			
List stora	ge piles or of	ther facility (if any):		
Type or	f material	Particle size (diameter or screen size)	Pile size or facility (average tons)	Methods utilized to control fugitive emissions (wetted, covered, etc.)
Limesto	one	24"-Dust	500	Wetted
		<u> </u>		
		1	C	
ame of per	son preparin	g application: Lance	Green	
ignature:	Lance		y signed by Lance Green :022.05.19 13:52:35 -05'00'	Date:

1.	Name of facility or organization:	lorth Alabama Materials La	Do not write in this space cey's Spring Quarry	
2.	Briefly describe the operation of for each type of process or for material from, or provides input in the operations.) An application s	ultiple units of one process that are units of one process that are units of one process to the process that are units of the	type. If the unit or process receive, please indicate the relationship	es input
	Operating scenario number 27			
			4) and separated into various s	izes and
	sends material via tranfer con	veyors(C15-18) to radial s	tackers for stockpile.	
		The state of the s		
		AND THE PROPERTY OF THE PROPER		•
				,
			1	
	,			
) T of	laining kilm averala from a salv	Screen	
•	3. Type of unit or process (e.g., cal	cining kiin, cupola turnace):	-	·
	Linnman		1 8208	To the same of the
`	Make: Lippman		L820S	400 TD11
	Rated process capacity (manufa	acturer's or designer's guara	nteed maximum) in pounds/hour:	400 TPH
	Manufactured date: 2020	rassidare indicata and refer to the property of the control of the	Proposed installation date:	7/2022
		Oriç	ginal installation date (if existing):	
		Reconstruction or	Modification date (if applicable):	
4.	Normal operating schedule:			
	Hours per day: 11	Days per week: 5.5	Weeks per year: 50	
	Peak production season (if any):	Spring & Summer		

	Material		Proces	s Rate Average (lb/hr)	Maximum (lb/hr)	Quantity tons/year
Limestone			200	TPH	400 TPH	600,000
				•		
				iipment (exclu 104):	de fuel used by in MMBtu/hr	direct heating
Fuel	Heat Content	Units	Max. % Sulfur	Max. % Ash	Grade No. [fuel oil only]	Supplier [used oil only]
oal	N/A	Btu/lb				
uel Oil		Btu/gal				
atural Gas		Btu/ft³				
. P. Gas		Btu/ft³				
/ood		Btu/lb				
ther (specify)						
7. Products of	process or ı	unit:				
Proc	ducts		Qua	antity/year		Units of production
imestone			600,000		tons	
44.				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
	η					
		144.6	***************************************			
8. For each reg any work praction						h affects emissions o
any work praeu N/A	ce standard	(attacii add	ilubilai page	ii fiecessai <u>y</u>		
	•					
•					****	
						annya,
9. Is there any e	emission co	ntrol equipm	ent on this e	emission sour	ce?	
(Yes (No	o (Where a	control devi	ce exists, AD	DEM Form 110	must be complete	ed and attached).
es O	o (wnere a c	sontroi devi	ce exists, AL	JEINI FORM 110	must be complete	еч анч ацаспеч).

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		-	1	'					14				_
	Exit	(°F)							,				
	Volume of Gas	Discharged (ACFM)											
	Gas Exit	(Feet/Sec)											
	Inside Area if NOT	Round Opening (sq. feet)			,			,					
	Inside Diameter	Opening (Feet)											
Stack	Base	(Feet)			,			 					
	GEP Stack	Height (Feet)											
	Height Above	Grade (Feet)											" in Hg.
	Geographic Coordinates	LONG											re is 29.92
	Geogr	LAT			•						-	,	Std pressu
	rdinates	N-S (km)	emissions										ture is 68°F.
	UTM Coordinates	E-W (km)	Fugitive										* Std temperature is 68°F - Std pressure is 29.92" in Hg.
	Emission												

Emission			Potential Em		Regulatory E	mission Limit
Point	Pollutants	(lb/hr)	(Tons/yr)	Basis of Calculation	(lb/hr)	(units of standard)
27	PM	1.27	1.05	AP-42		7%
						
		-	 		_	
		-			-	-
<u> </u>						

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.

3. Is this unit	or process	in compliance w	ith all	applicable air pollutior	n rules and regulations?
■Yes	□No				
(if "no", a c	compliance	schedule, ADEN	1 Form	437 must be complete	ed and attached.)
	nput materia ome airborn		m this	process or unit contain	n finely divided materials which
■Yes	□No				
	this materia st problems		or in s	ome other facility as to	o make possible the creation of
■Yes	□No				
List storag	e piles or ot	her facility (if an	ıy):		
Type of	material	Particle siz (diameter or so size)		Pile size or facility (average tons)	Methods utilized to control fugitive emissions (wetted, covered, etc.)
Limesto	ne	24"-Dust		500	Wetted
		•			:
	•				
Name of pers	on preparin	g application:	Lance	Green	
· ·		Green /	Digitall	y signed by Lance Green	

1.	Name of facility or organization	on: North Alabama Materials La	Do not write in this space cey's Spring Quarry	
2.	for each type of process or formaterial from, or provides inp	or multiple units of one process	ncility: (separate forms are to be s type. If the unit or process recei n, please indicate the relationship n alternative operating scenario.	ves input
	Operating scenario number 2	3-31		
	Conveyors (C15-C18) wil	l deliver material from Screen	(K) to Radial Stackers(RS7-R	S9).
				_

				,
3	3. Type of unit or process (e.g.,	, calcining kiln, cupola furnace):	Transfer Conveyor	
	Make: MGL	Model:	36" X 60'	,
	Rated process capacity (ma		nteed maximum) in pounds/hour:	800 TPH
	Manufactured date: 2022		Proposed installation date:	
	The second the administration of the second	Orio	, ginal installation date (if existing):	
			Modification date (if applicable):	
	No. and a construction of the	Reconstruction of	modification date (if applicable).	
4.	Normal operating schedule:			
	Hours per day: 11	Days per week: 5.5	Weeks per year: 50	
	Peak production season (if any):	Spring & Summer		

	Material		Proces	s Rate Average (lb/hr)	e Maximum (lb/hr)	Quantity tons/year
Limestone			400	TPH	800 TPH	1,200,000
	ALLIN AL					
,						
					,	
. Total heat in equipment p					ude fuel used by ind MMBtu/hr	irect heating
Fuel	Heat Content	Units	Max. % Sulfur	Max. % Ash	Grade No. [fuel oil only]	Supplier [used oil only]
oal	N/A	Btu/lb				
uel Oil		Btu/gal				
atural Gas		Btu/ft³				
P. Gas		Btu/ft³				
ood		Btu/lb				
Products of Proc	lucts		Qua	antity/year		Inits of production
imestone			1,200,000		tons	
***************************************						Annual Control of the
3. For each regulany work practic	ulated pollut ce standard	ant, descrit (attach add	pe any limita litional page	tions on sour if necessar <u>y</u>)	ce operation which	affects emissions or
					A	
9. Is there any e	mission con	trol equipm	ent on this e	mission sour	ce?	

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					•	 	 _		 	 	a
	Exit	(°F)									
	Volume of Gas	Discharged (ACFM)									
	Gas Exit	Velocity (Feet/Sec)									
	Inside Area if NOT	Round Opening (sq. feet)									
	Inside Diameter	Opening (Feet)									
Stack	Base	(Feet)								,	
	GEP Stack	Height (Feet)									
	Height Above	Grade (Feet)									" in Hg.
	aphic nates	LONG									e is 29.92
	Geographic Coordinates	LAT									Std pressur
	rdinates	N-S (km)	emissions								iture is 68°F -
	UTM Coordinates	E-W (km)	Fugitive								* Std temperature is 68°F - Std pressure is 29.92" in Hg.
	Emission										

Emission			Potential Em		Regulatory E	mission Limit
Point	Pollutants	(lb/hr)	(Tons/yr)	Basis of Calculation	(lb/hr)	(units of standard)
28	PM	1.78	2.94	AP-42		7%
29	PM	1.78	2.94	AP-42		7%
30	РМ	1.78	2.94	AP-42		7%
31	PM	1.78	2.94	AP-42		7%
						,
				-		

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.

3. Is this unit	t or process	in compliance with all a	applicable air pollution	rules and regulations?
■Yes	□No		\	
(if "no", a compliance schedule, ADEM Form 437 must be completed and attached.)				
4. Does the input material or product from this process or unit contain finely divided materials which could become airborne?				
■ Yes	□No			
5. 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			
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.)
Limestone		24"-Dust	500	Wetted
Name of person preparing application: Lance Green				
Signature:	Date:			

