

OFFICE CORRESPONDENCE

SUBJECT: Dunlap Stone

[illegible]

I called Bill Layton 7-18-77
for clarification of Dunlap's 6-28-77
construction permit application. Bill
informed me the construction involved
~~and~~ replacing some old ~~equip~~ equipment
and moving the operation into the
quarry. There will be no ag. lime
production in the future.

Jim 7-18-77

[illegible]

Dunlap Stone

77-00006

	<u>Act.</u>	<u>all.</u>
Primary Crushing	$300(.1)(.1) = 3$	43
Secondary Crushing (1)	$300(.6)(.1) = 18$	43
Secondary Crushing (2)	$300(.6)(.1) = 18$	43
	<u>39</u>	<u>129</u>

JRM 7-18-77

RECEIVED BY
DEPT. OF PUBLIC HEALTH
DIV. AIR POLLUTION CONT.

77 JUL 5 8:38

PERMIT APPLICATION - APC 20

MAIL TO: Tennessee Department of Public Health
Division of Air Pollution Control
Southeast Regional Office
2501 Milne Street
Chattanooga, Tennessee 37406

DO NOT WRITE IN THIS SPACE

COMPANY NO. 77-00006

LOG NO. 6103

REVIEWED BY

PERMIT NO. 999725P

1. PERMIT TO BE ISSUED TO: (NAME OF CORPORATION, COMPANY, INDIVIDUAL OWNER OR GOVERNMENTAL AGENCY THAT IS TO OPERATE THE EQUIPMENT)

DUNLAP STONE, INC.

2. MAILING ADDRESS P.O. BOX 591

DUNLAP

TENNESSEE

37327

949-2251

CITY

STATE

ZIP CODE

PHONE

3. ADDRESS AT WHICH SOURCE IS TO BE OPERATED WEST VALLEY ROAD

DUNLAP

SEQUATCHIE

37327

949-2251

CITY

COUNTY

ZIP CODE

PHONE

4. TYPE OF ORGANIZATION: CORPORATION ☒ PARTNERSHIP ☐ INDIVIDUAL OWNER ☐ GOVERNMENTAL AGENCY ☐

5. EMISSION SOURCE NUMBER 6. STANDARD INDUSTRIAL CLASSIFICATION OF CO. [] [] [] []

7. BRIEF DESCRIPTION OF EMISSION SOURCE FOR WHICH PERMIT IS DESIRED: Crushed limestone operation

8. LATITUDE AND LONGITUDE OF AIR CONTAMINANT SOURCE 0 1 2 0 1 2

9. COST OF MODIFICATION \$ COST OF AIR POLLUTION CONTROL EQUIPMENT \$

10. IF THIS AIR CONTAMINANT SOURCE HAS A PREVIOUS WRITTEN PERMIT GIVE NAME OF CORPORATION, COMPANY OR INDIVIDUAL OWNER THAT OPERATED THIS SOURCE AND STATE PREVIOUS TENNESSEE DIVISION OF AIR POLLUTION CONTROL PERMIT NUMBER, IF KNOWN.

NAME Dunlap Stone, Inc. PERMIT NUMBER 001478 P

11. PRESENT STATUS OF AIR CONTAMINANT SOURCE (CHECK AND COMPLETE APPLICABLE ITEMS)

☒ PERMIT TO CONSTRUCT REQUESTED - Est. Starting Date Est. Completion Date 10-30-'77

☐ CONSTRUCTION COMPLETED - Date ☐ PERMIT TO OPERATE REQUESTED

☐ TRANSFER OF LOCATION - Est. Date ☐ AIR CONTAMINANT SOURCE HAS NOT BEEN ALTERED
June 28, 1977.

12. SIGNATURE OF RESPONSIBLE MEMBER OF FIRM

DATE OF APPLICATION

13. TYPE OR PRINT NAME AND OFFICIAL TITLE OF PERSON SIGNING THIS APPLICATION

NAME J.W. Thomas Jr.

TITLE President-owner

PHONE 949-2251

SUBMIT TWO COPIES OF THIS FORM



PROCESS EMISSION SOURCE COVER SHEET - APC 21

MAIL TO:

TENNESSEE DEPARTMENT OF PUBLIC HEALTH
DIVISION OF AIR POLLUTION CONTROL
256 CAPITOL HILL BUILDING
NASHVILLE, TENNESSEE 37217

DO NOT WRITE IN THIS SPACE

COMPANY NO.

LOG NO.

PERMIT NO.

REVIEWED BY

TWO COPIES OF THIS FORM MUST BE FILLED OUT COMPLETELY FOR EACH PROCESS EMISSION SOURCE CLAIMED AND THE APPROPRIATE SHEET (S) APC-22, AND/OR APC-23 ATTACHED FOR EACH EMISSION POINT IN THE PROCESS. EACH PROCESS EMISSION SOURCE COVER SHEET MUST BE ACCOMPANIED BY THE PERMIT APPLICATION, APC-20.

DUNLAP STONE, INC.

1. COMPANY NAME DUNLAP STONE, INC.
2. PROCESS EMISSION SOURCE NUMBER 1 3. SIC CODE 3295 YES NO

4. DID CONSTRUCTION OF THIS PROCESS BEGIN ON OR BEFORE AUGUST 9, 1969? ☐ YES ☒ NO ON OR BEFORE APRIL 3, 1972? ☐ YES ☐ NO

5. GIVE A BRIEF DESCRIPTION OF THE PROCESS ALONG WITH A FLOW DIAGRAM. OPERATION CENTERS, STORAGE POINTS, MATERIAL INPUTS, MATERIAL OUTPUTS AND EMISSION POINTS SHOULD BE NOTED IN POUNDS PER OPERATING HOUR.

Rock blasted from quarry hauled by frontend loader to primary screening and crushing plant. Water is sprayed into crusher to eliminate dust.

Crushed stone conveyed to stock pile.

NOTE: ATTACH FLOW DIAGRAM FOR PROCESS EMISSION SOURCE CLAIMED ON SEPARATE SHEET.

Crushed stone conveyed to pugmill

6. TYPE OF PROCESS: CONTINUOUS ☒ BATCH ☐ COMBINED ☐

7. OPERATIONAL SCHEDULE OF PROCESS EMISSION SOURCE:

A. HOURS PER DAY 8

B. DAYS PER WEEK 5

C. WEEKS PER YEAR 40

D. % ANNUAL THRUPUT

DEC-FEB	MARCH-MAY	JUNE-AUGUST	SEPT-NOV

8. LIST MATERIAL INPUTS TO PROCESS EMISSION SOURCE:

NAME OF INPUT	NEW MATERIAL OR FROM OTHER PROCESS EMISSION SOURCE? (GIVE PROCESS NO.)	LBS/OPERATING HOUR		FLOW DIAGRAM REFERENCE
		DESIGN CAPACITY	ACTUAL LOADING	
A. <u>Limestone rock</u>	<u>New material</u>	<u>300T/HR</u>		
B.				
C.				
D.				
E.				
F.				
G.				
TOTAL LBS/OPERATING HOUR INPUT TO PROCESS EMISSION SOURCE				

9. LIST MATERIAL OUTPUTS FROM THIS PROCESS EMISSION SOURCE:

NAME OF OUTPUT	INDICATE NO. OF PROCESS IF THIS IS AN INPUT TO ANOTHER PROCESS EMISSION SOURCE	LBS/OPERATING HOUR		FLOW DIAGRAM REFERENCE
		DESIGN CAPACITY	ACTUAL LOADING	
A. Crushed stone		300T/HR		Source #1
B.				
C.				
D.				
E.				
F.				
G.				
TOTAL LBS/OPERATING HOUR OUTPUT FROM PROCESS EMISSION SOURCE				

10. LIST AIR POLLUTION EMISSION POINTS FOR THIS PROCESS EMISSION SOURCE. ATTACH A SEPARATE "EMISSION POINT DATA" SHEET, APC-22, FOR EACH POINT.

EMISSION POINT NO. OR CODE	LBS PARTICULATE/OPERATING HOUR	FLOW DIAGRAM REFERENCE
A. Primary crusher		A
B. No. 1 screens		B
C. Secondary crusher #1		C
D. No. 2 screens		D
E. Secondary crusher #2		E
F. Stock pile		F

TOTAL LBS. OF PARTICULATE EMITTED FROM PROCESS EMISSION SOURCE PER OPERATING HOUR _____

NOTE: ATTACH ADDITIONAL SHEETS AS REQUIRED FOR ITEMS 7, 8, and 9.

11. LIST PROCESS FUELS USED IN THIS PROCESS WHICH DO NOT APPEAR AS MATERIAL INPUTS TO THE PROCESS EMISSION SOURCE: (DIRECT OR INDIRECT HEAT SOURCES NOT ELSEWHERE REGISTERED ARE TO BE LISTED.)

FUEL	CONSUMPTION RATE: GAL/YR/FT ³ /YR	DIRECT HEAT SOURCE / INDIRECT HEAT SOURCE
NATURAL GAS		
FUEL OIL		
OTHER:		

June 28, 1977

SIGNATURE OF RESPONSIBLE MEMBER OF FIRM

DATE OF APPLICATION

TYPE OR PRINT NAME AND OFFICIAL TITLE
OF PERSON SIGNING THIS FORM

NAME J.W.Thomas, Jr.

TITLE President-owner

DATE 6-28-'77

PHONE 949-2251



TENNESSEE DEPARTMENT OF PUBLIC HEALTH
DIVISION OF AIR POLLUTION CONTROL
256 CAPITOL HILL BUILDING
NASHVILLE, TENNESSEE 37219

COMPANY NO. 11 - 11111

PERMIT NO. L I I I I I I P

PROCESS EMISSION SOURCE NO.

EMISSION POINT NO. 1111

REVIEWER 1 1 1

DATE 1 1 1 1 1 1

1. COMPANY NAME DUNLAP STONE, INC.

2. PROCESS EMISSION SOURCE NUMBER 1

3. POINT SOURCE IDENTIFICATION ON PROCESS FLOW DIAGRAM

Source #1

4. GIVE A BRIEF DESCRIPTION OF THE PROCESS EMISSION POINT PLUS A SKETCH IF APPROPRIATE Three (3) Crushers

(1) Primary crusher (2) No. 1 Secondary Crushers and No. 2 Secondary crushers

5. GIVE A BRIEF DESCRIPTION OF ANY AIR POLLUTION CONTROLS ON THIS EMISSION POINT Water Spray Bars at
points (A) through (F) Listed on flow diagram Source No. 1

6. FILL IN TABLE BELOW:

POLLUTANT	ABSENT	PRESENT	MAX. AND MIN. EMISSIONS FOR ANY 30 MINUTE PERIOD OF NORMAL OPERATION		AVERAGE EMISSIONS		METHOD OF MEASUREMENT*
			LBS MAXIMUM	LBS MINIMUM	LBS/HR	LBS/YR	
PARTICULATES		X					
SULFUR DIOXIDE	X						
CARBON MONOXIDE	X						
HYDROCARBONS	X						
OXIDES OF NITROGEN	X						
FLUORIDES	X						
SHOW OTHERS	X						

*PLEASE ATTACH A COPY OF THE TEST PROCEDURE, PROCESS MATERIAL BALANCE STUDY OR OTHER BASIS USED AS A METHOD OF MEASUREMENT.

FOR OFFICE USE ONLY

REGULATED BY FUGITIVE DUST LAW.

REGULATED BY PROCESS WEIGHT. TABLE I

☐ AMBIENT AIR MONITORING USED FOR SO₂ AT THIS PLANT.

☐ IN COMPLIANCE☐ NOT IN COMPLIANCE

ACTUAL EMISSIONS	TONS/YR
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FILING IS AUTHORIZED BY

DATE _____

APC - 23



NON-STACK PROCESS EMISSION POINT DATA FORM - APC - 23

MAIL TO:

TENNESSEE DEPARTMENT OF PUBLIC HEALTH
DIVISION OF AIR POLLUTION CONTROL
256 CAPITOL HILL BUILDING
NASHVILLE, TENNESSEE 37219

DO NOT WRITE IN THIS SPACE

COMPANY NO. -

PERMIT NO. P

PROCESS EMISSION SOURCE NO.

EMISSION POINT NO.

REVIEWER

DATE

TWO COPIES OF THIS FORM MUST BE FILLED OUT COMPLETELY FOR EACH NON-STACK PROCESS EMISSION POINT IN THE PROCESS. THE PROCESS EMISSION SOURCE COVER SHEET, APC-21, MUST BE ATTACHED FOR PARTICULATE EMISSIONS ONLY.

1. COMPANY NAME Dunlap Stone, Inc.

2. PROCESS EMISSION SOURCE NUMBER 2

3. POINT SOURCE IDENTIFICATION ON PROCESS FLOW DIAGRAM Source #2

4. GIVE A BRIEF DESCRIPTION OF THE PROCESS EMISSION POINT PLUS A SKETCH IF APPROPRIATE Pugmill

5. GIVE A BRIEF DESCRIPTION OF ANY AIR POLLUTION CONTROLS ON THIS EMISSION POINT none

6. FILL IN TABLE BELOW:

POLLUTANT	ABSENT	PRESENT	MAX. AND MIN. EMISSIONS FOR ANY 30 MINUTE PERIOD OF NORMAL OPERATION		AVERAGE EMISSIONS		METHOD OF MEASUREMENT*
			LBS MAXIMUM	LBS MINIMUM	LBS/HR	LBS/YR	
PARTICULATES		X					
SULFUR DIOXIDE	X						
CARBON MONOXIDE	X						
HYDROCARBONS	X						
OXIDES OF NITROGEN	X						
FLUORIDES	X						
SHOW OTHERS	X						

*PLEASE ATTACH A COPY OF THE TEST PROCEDURE, PROCESS MATERIAL BALANCE STUDY OR OTHER BASIS USED AS A METHOD OF MEASUREMENT.

FOR OFFICE USE ONLY

☐ REGULATED BY FUGITIVE DUST LAW.

☐ IN COMPLIANCE

☐ REGULATED BY PROCESS WEIGHT. TABLE I ☐ TABLE II ☐

☐ NOT IN COMPLIANCE

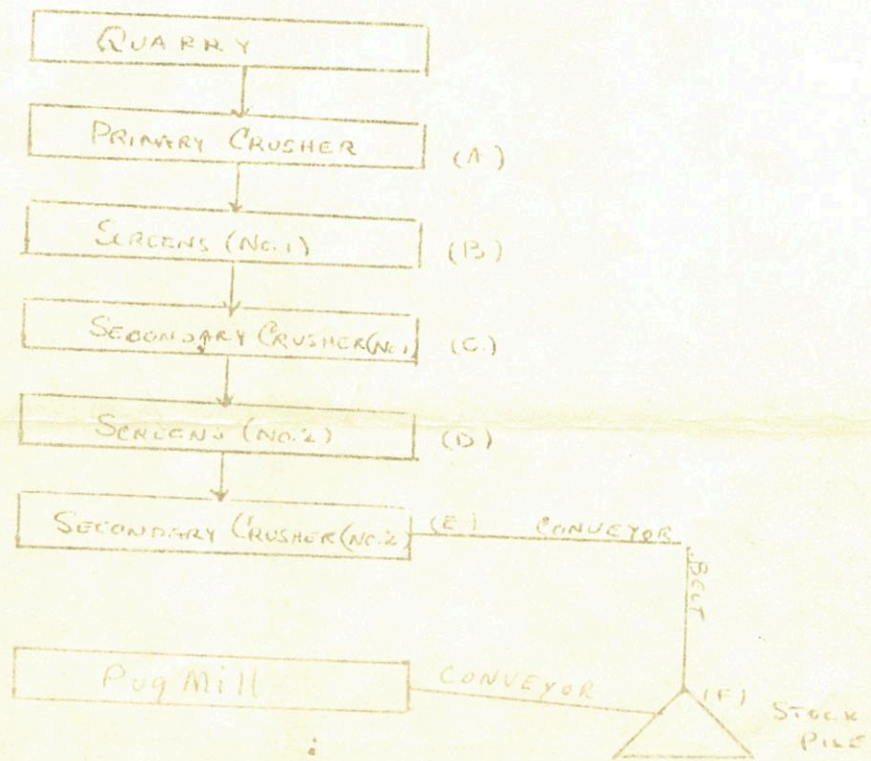
☐ AMBIENT AIR MONITORING USED FOR SO₂ AT THIS PLANT.

ACTUAL EMISSIONS TONS/YR

FILING IS AUTHORIZED BY

DATE

BEGIN SOURCE No. 1:



SOURCE No. 2

END SOURCE No. 1