

**KOOGLER & ASSOCIATES**  
ENVIRONMENTAL SERVICES  
4014 NW THIRTEENTH STREET  
GAINESVILLE, FLORIDA 32609  
904/377-5822 • FAX 377-7158

K&A 578-95-01

**FAXED**  
**RECEIVED**  
MAR 21 1996

March 18, 1996

Department of Environmental Protection  
SOUTHWEST DISTRICT

Mr. Eric Peterson BY \_\_\_\_\_  
Air Permitting Engineer  
FDEP-SWD, Air Program  
3804 Coconut Palm Drive  
Tampa, Florida 33619

**SUBJECT:** Dixie Lime and Stone Company  
Sumterville Mine  
FDEP File Nos. AC60-275111, AO60-275112  
**Additional Information: New Portable Screening Unit**

Dear Eric:

This letter shall supply you with information on the new screening unit proposed for use at the Dixie Lime and Stone facility near Sumterville. This letter and information are being supplied to allow for inclusion of the new screening unit in the air construction permit. A *Waiver of 90 Day Time Limit* was signed and submitted by me on December 27, 1995. The *Waiver* was submitted to allow for equipment addition and submittal of additional information.

The portable screening operation includes a screen deck and two belt conveyors. I have included two new equipment lists, one for screening operations, and one for belt conveyors; these lists provide details on the new equipment. I have also included a process flow diagram for the new portable screening operation.

No change in emissions is expected as a result of this new equipment. The emissions calculations provided in the application were based on the conservative assumption that all rock crushed would undergo primary and secondary screening.

Thank you for your consideration in reviewing this information. If you have any questions, please do not hesitate to call me at (352) 377-5822.

Sincerely,

Steven C. Cullen, P.E.  
Koogler & Associates

Attachments

copy to: Chris Hertz, Dixie Lime and Stone

SUMTERVILLE MINE  
SUMTER COUNTY

#	IDENTIFIER	MANUFACTURER	MODEL #	SERIAL #	SIZE	NSPS ?		OPACITY	
	NAME				FT <sup>2</sup>	MFG/MOD.	(Y/N)	LIMIT	BASIS
1	2817	Powerscreen	MKIII	5103538	32	1990	YES	10%	40CFR60.672(b)
2	2815 Wobbler Feeder	Boehring	RM 1190x6600		84.5	1990	YES	10%	40CFR60.672(b)
3	2823 Vibratory Feeder	Simplicity			58.7	1975	NO	20%	62-296.310(2), FAC
4	2818	Cedar Rapids	FSG 6203-32		120	1996	YES	10%	40CFR60.672(b)

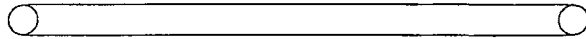
SUMTERVILLE MINE  
SUMTER COUNTY

#	IDENTIFIER NAME	MANUFACTURER	MODEL #	SERIAL #	WIDTH (IN.)	NSPS ?		OPACITY	
						MFG/MOD	(Y/N)	LIMIT	BASIS
1	#2815 Swivel	Cedar Rapids	4340	42389	42	1990	YES	10%	40CFR60.672(b)
2	#2815 Feeder	Cedar Rapids	4340	42389	42	1990	YES	10%	40CFR60.672(b)
3	#2815 Delivery	Cedar Rapids	4340	42389	42	1990	YES	10%	40CFR60.672(b)
4	#2823 Crusher underbelt	L.B. Smith			48	1986	YES	10%	40CFR60.672(b)
5	#2823 Stacker	Marco			36	1986	YES	10%	40CFR60.672(b)
6	#2817 under hopper	Powerscreen	MKIII	5103538	36	1990	YES	10%	40CFR60.672(b)
7	#2817 Delivery	Powerscreen	MKIII	5103538	36	1990	YES	10%	40CFR60.672(b)
8	Under hopper for storage bin	IN-HOUSE FAB			30	<1978	NO	20%	62-296.310(2), FAC
9	From hopper to storage bin	IN-HOUSE FAB			34	<1978	NO	20%	62-296.310(2), FAC
10	2818 Underscreen Conveyor	FPM			48	1996	YES	10%	40CFR60.672(b)
11	2818 Stacking Conveyor	FPM			42	1996	YES	10%	40CFR60.672(b)

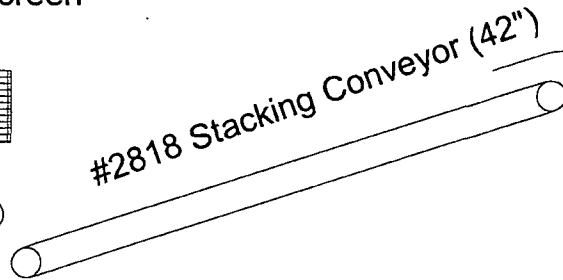
SCREEN FEED: By frontend loader or stacking conveyor



#2818 Cedar Rapids 6' x 20' Portable Screen



#2818 Underscreen Conveyor (48")



#2818 Stacking Conveyor (42")



OVERSIZE MATERIAL  
STOCKPILE



SCREENED MATERIAL  
STOCKPILE

PROCESS FLOW DIAGRAM  
Cedar Rapids 6' x 20' Portable Screen

DIXIE LIME & STONE COMPANY  
SUMTERVILLE MINE