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JUN 08 2009

NONMETALLIC MINERAL PROCESSING PLANTS (CRUSHERS) AIR GENERAL PERMIT REGISTRATION FORM

Bureau of Air Quality & Mobile Sources

Part II. Notification to Permitting Office

(Detach and submit to appropriate permitting office; keep copy onsite)

Instructions: To give notice to the Department of an eligible facility's intent to use this air general permit, the owner or operator of the facility must detach and complete this part of the Air General Permit Registration Form and submit it to the appropriate Department of Environmental Protection or local air pollution control program office which has permitting authority. Please type or print clearly all information, and enclose the appropriate air general permit registration processing fee pursuant to Rule 62-4.050, F.A.C. (\$100 as of the effective date of this form)

1230051-002

Registration Type

Check one:

INITIAL REGISTRATION - Notification of intent to:

- Construct and operate a proposed new facility.
Operate an existing facility not currently using an air general permit (e.g., a facility proposing to go from an air operation permit to an air general permit).

RE-REGISTRATION (for facilities currently using an air general permit) - Notification of intent to:

- Continue operating the facility after expiration of the current term of air general permit use.
Continue operating the facility after a change of ownership.
Make an equipment change requiring re-registration pursuant to Rule 62-210.310(2)(e), F.A.C., or any other change not considered an administrative correction under Rule 62-210.310(2)(d), F.A.C.

Surrender of Existing Air Operation Permit(s) - For Initial Registrations Only

If the facility currently holds one or more air operation permits, such permit(s) must be surrendered by the owner or operator upon the effective date of this air general permit. In such case, check the first box, and indicate the operation permits being surrendered. If no air operation permits are held by the facility, check the second box.

- All existing air operation permits for this facility are hereby surrendered upon the effective date of this air general permit; specifically permit number(s):
No air operation permits currently exist for this facility.

General Facility Information

Facility Owner/Company Name (Name of corporation, agency, or individual owner who or which owns, leases, operates, controls, or supervises the facility.)

Martin Marietta Materials, Inc. - Existing Permit #1230051-001-AG

Site Name (Name, if any, of the facility site; e.g., Plant A, Metropolis Plant, etc. If more than one facility is owned, a registration form must be completed for each.)

Cabbage Grove Quarry - Existing Permit #1230051-001-AG

Facility Location (Provide the physical location of the facility, not necessarily the mailing address.)

Street Address: 22550 Nutall Rise Road

City: Lamont PERRY

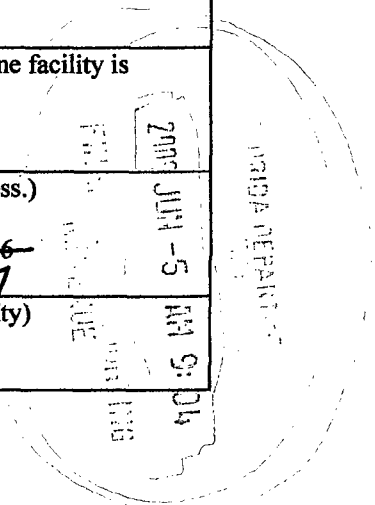
County: Taylor

Zip Code: 32336

32347

Facility Start-Up Date (Estimated start-up date of proposed new facility.) (N/A for existing facility)

NA



Owner/Authorized Representative

Name and Position Title (Person who, by signing this form below, certifies that the facility is eligible to use this air general permit.)

Print Name and Title: William A. DiRico, Jr., President - Southeast Division

Owner/Authorized Representative Mailing Address

Organization/Firm: Martin Marietta Materials, Inc.

Street Address: 3019 Riverwatch Parkway

City: Augusta

County: Richmond Co., Georgia

Zip Code: 30907

Owner/Authorized Representative Telephone Numbers

Telephone: (706) 854-6356

Fax: (706) 868-6846

Cell phone (optional):

Facility Contact (If different from Owner/Authorized Representative)

Name and Position Title (Plant manager or person to be contacted regarding day-to-day operations at the facility.)

Print Name and Title: Dan West, Plant Manager

Facility Contact Mailing Address

Organization/Firm: Martin Marietta Materials, Inc. - Existing Permit #1230051-001-AG

Street Address: 22550 Nutall Rise Road

City: Lamont

County: Taylor

Zip Code: 32336

Facility Contact Telephone Numbers

Telephone: (850) 584-6461

Fax: (850) 584-6799

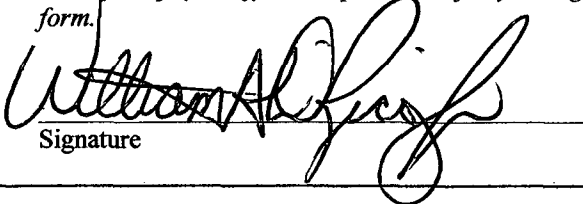
Cell phone (optional):

Owner/Authorized Representative Statement

This statement must be signed and dated by the person named above as owner or authorized representative

I, the undersigned, am the owner or authorized representative of the owner or operator of the facility addressed in this Air General Permit Registration Form. I hereby certify, based on information and belief formed after reasonable inquiry, that the facility addressed in this registration form is eligible for use of this air general permit and that the statements made in this registration form are true, accurate and complete. Further, I agree to operate and maintain the facility described in this registration form so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof.

I will promptly notify the Department of any changes to the information contained in this registration form.


Signature

JUNE 3, 2009
Date

2009 JUN -5 AM 9:04
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Type of Facility

Check one:

Stationary Facility

Relocatable Facility

Type(s) of Precautions Used to Prevent Unconfined Emissions

Check all that apply for the management of roads, parking areas, stock piles and yards:

Maintain Roads/Parking/Yards

Use Water Application

Use Dust Suppressant

Remove Particulate Matter

Reduce Stock Pile Height

Install Wind Breaks

Check the location of spray bars at the nonmetallic mineral processing plant:

Feeders

Entrance to "Crusher"

Exit of "Crusher"

Classifier Screens

Conveyor Drop Points

Description of Reasonable Precautions

Below, or as an attachment to this form, provide details of all types of reasonable precautions to be used to prevent unconfined emissions at the facility.

Existing Permit #1230051-001-AG

Haulroad and stockpile fugitive emissions will be controlled by use of a water truck, as needed. Material being processed through the plant operation enters the system with a moisture content in the range of 6 to 10%, which is significant enough to serve as carry-over for dust suppression. A total of 9 conveyors, 2 screens and 1 crusher are considered wet process equipment. These units are completely saturated well in operation in order to wash fine and ultra fine material from the final clean stone products. These units are considered to be zero (0) emission units, however to demonstrate compliance emissions for these units are calculated in the attached spreadsheet.

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Description of Facility

Below, or as an attachment to this form, provide a description of the nonmetallic mineral processing operations at the facility in sufficient detail to demonstrate the facility's eligibility for use of this air general permit and to provide a basis for tracking any future equipment or process changes at the facility. Describe all air pollutant-emitting processes and equipment at the facility, and identify any air pollution control measures or equipment used.

Existing Permit #1230051-001-AG

The Cabbage Grove Quarry is located in Taylor County, approximately one (2) mile off US98 on Powell Hammock Road. The facility consists of approximately seven hundred sixty (760) permitted acres. The marine limestone deposit is being wet mined at a maximum depth of fifty (50) feet utilizing draglines for beneficiation of shot material. Extracted materials are dewatered by placing the materials into muck piles beside the draglines. Material is then transported by offroad trucks to the crushing and screening facility for processing. The maximum rate of the processing plant is nine hundred (900) tons per hour. Material enters the plant through a feeder, which allows undersized materials to bypass the primary crusher and transfer directly to the initial conveyor. Oversized materials pass through the primary crusher to be reduced to approximately 6-10" nominal size, depending on crusher settings. Material is then transferred to other areas of the plant via conveyors for further processing. Screens are used to separate processed materials into various products including base stone and clean aggregates. Carryover moisture and wet process equipment serve as the primary control measure to limit emissions from the processing plant. The process and equipment layout can be reviewed on the attached flow diagram. As material completes the processing circuit it is conveyed to stockpiles for future distribution. Front-end loaders are utilized to load desired products into onroad tandem trucks and tractor trailers for delivery to the customer. Distribution to the local market is handled by independent contract trucking companys. Fugitive emissions for both production haulage roads and customer traffic areas are controlled using a water truck for wetting travel paths.

A spreadsheet has been attached to demonstrate compliance with the one hundred (100) ton per year threshold stipulated in Rule 62-210.310(5)(e) for Particulate Matter of ten (10) or less micrometers (PM10) and Total Suspended Particulate (TSP). Calculations are based on AP-42, Fifth Edition, Volume I, Chapter 11 Mineral Products Industry, Section 19.2 Crushed Stone Processing and Pulverized Mineral Processing.

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FACILITY

MARTIN MARIETTA CABBAGE GROVE QUARRY - EMISSIONS CALCULATIONS

Production Rate= 900 tph

Source	Source Code	Maximum Process Rate (tph)	PM10 Emission Factor - Wet (lbs/ton)	TPM Emission Factor - Wet (lbs/ton)	Dust Suppression System	Suppression System Efficiency	PM10 Potential Emissions (lb/hr)	TPM Potential Emissions (lb/hr)	Source of Emission Factor and/or Suppression System Efficiency
5' X 20' Feeder ✓	FD1 ✓	800	0.000740	0.002200	Carry Over	0	0.5920	1.7600	AP-42Section 11.19.2-2
Pioneer 42" x 48" ✓	CR1 ✓	850	0.000540	0.001200	Carry Over	0	0.4590	1.0200	AP-42Section 11.19.2-2
CR 5064 Impact ✓	CR2 ✓	600	0.000540	0.001200	Carry Over	0	0.3240	0.7200	AP-42Section 11.19.2-2
Telesmith Cone ✓	CR3 ✓	450	0.000000	0.000000	Wet Process	0	0.0000	0.0000	AP-42Section 11.19.2-2
30" Feeder 2 ✓	FD2 ✓	400	0.000740	0.002200	Carry Over	0	0.2960	0.8800	AP-42Section 11.19.2-2
6' x 14' 2d Screen ✓	SC1 ✓	700	0.000740	0.002200	Carry Over	0	0.5180	1.5400	AP-42Section 11.19.2-2
6' x 16' 2d Screen ✓	SC2 ✓	700	0.000740	0.002200	Carry Over	0	0.5180	1.5400	AP-42Section 11.19.2-2
8' x 20' 3d Screen ✓	SC3 ✓	700	0.000000	0.000000	Wet Process	0	0.0000	0.0000	AP-42Section 11.19.2-2
8' x 20' 3d Screen ✓	SC4 ✓	700	0.000000	0.000000	Wet Process	0	0.0000	0.0000	AP-42Section 11.19.2-2
36" Conveyor 1 ✓	CC1 ✓	700	0.000046	0.000140	Carry Over	0	0.0322	0.0980	AP-42Section 11.19.2-2
36" Conveyor 2 ✓	CC2 ✓	700	0.000046	0.000140	Carry Over	0	0.0322	0.0980	AP-42Section 11.19.2-2
48" Conveyor 3 ✓	CC3 ✓	700	0.000046	0.000140	Carry Over	0	0.0322	0.0980	AP-42Section 11.19.2-2
36" Conveyor 4 ✓	CC4 ✓	600	0.000046	0.000140	Carry Over	0	0.0276	0.0840	AP-42Section 11.19.2-2
36" Conveyor 5 ✓	CC5 ✓	500	0.000046	0.000140	Carry Over	0	0.0230	0.0700	AP-42Section 11.19.2-2
36" Conveyor 6 ✓	CC6 ✓	500	0.000046	0.000140	Carry Over	0	0.0230	0.0700	AP-42Section 11.19.2-2
36" Conveyor 7 ✓	CC7 ✓	400	0.000046	0.000140	Carry Over	0	0.0184	0.0560	AP-42Section 11.19.2-2
36" Conveyor 8 ✓	CC8 ✓	400	0.000000	0.000000	Wet Process	0	0.0000	0.0000	AP-42Section 11.19.2-2
36" Conveyor 9 ✓	CC9 ✓	400	0.000000	0.000000	Wet Process	0	0.0000	0.0000	AP-42Section 11.19.2-2
24" Conveyor 10 ✓	CC10 ✓	400	0.000046	0.000140	Carry Over	0	0.0184	0.0560	AP-42Section 11.19.2-2
30" Conveyor 11 ✓	CC11 ✓	300	0.000046	0.000140	Carry Over	0	0.0138	0.0420	AP-42Section 11.19.2-2
24" Conveyor 12 ✓	CC12 ✓	300	0.000000	0.000000	Wet Process	0	0.0000	0.0000	AP-42Section 11.19.2-2
30" Conveyor 13 ✓	CC13 ✓	300	0.000000	0.000000	Wet Process	0	0.0000	0.0000	AP-42Section 11.19.2-2
30" Conveyor 14 ✓	CC14 ✓	300	0.000000	0.000000	Wet Process	0	0.0000	0.0000	AP-42Section 11.19.2-2
36" Conveyor 15 ✓	CC15 ✓	300	0.000000	0.000000	Wet Process	0	0.0000	0.0000	AP-42Section 11.19.2-2
30" Conveyor 16 ✓	CC16 ✓	300	0.000000	0.000000	Wet Process	0	0.0000	0.0000	AP-42Section 11.19.2-2
36" Conveyor 17 ✓	CC17 ✓	300	0.000000	0.000000	Wet Process	0	0.0000	0.0000	AP-42Section 11.19.2-2
36" Conveyor 18 ✓	CC18 ✓	300	0.000000	0.000000	Wet Process	0	0.0000	0.0000	AP-42Section 11.19.2-2
36" Wash Screw ✓	WS1 ✓	300	0.000000	0.000000	Wet Process	0	0.0000	0.0000	AP-42Section 11.19.2-2
36" Wash Screw	WS2	300	0.000000	0.000000	Wet Process	0	0.0000	0.0000	AP-42Section 11.19.2-2
36" Wash Screw	WS3	300	0.000000	0.000000	Wet Process	0	0.0000	0.0000	AP-42Section 11.19.2-2

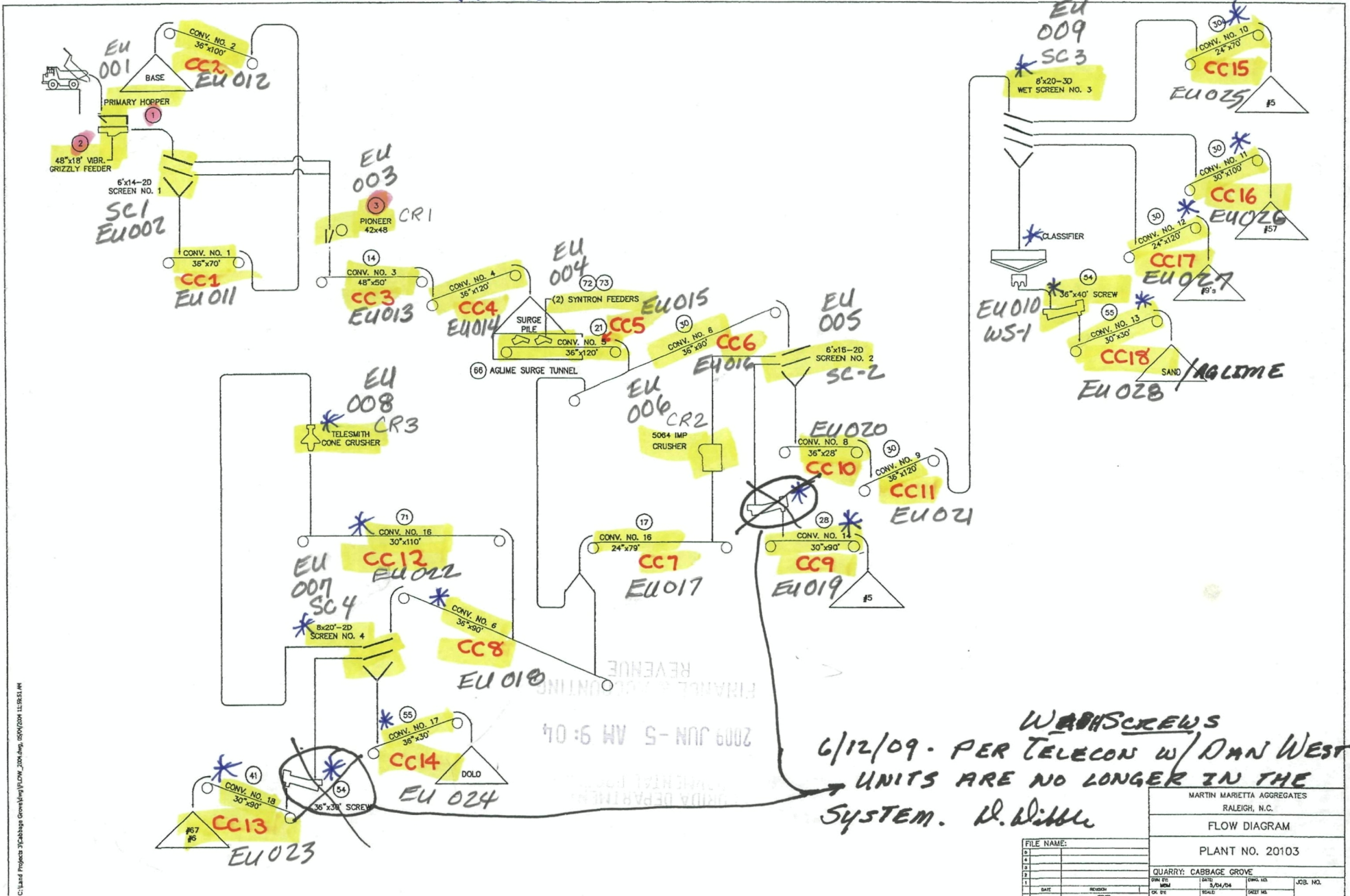
PM-10 EMISSIONS RATE (Plant) = 2.9278 lb/hr
 TPM EMISSIONS RATE (Plant) = 8.1320 lb/hr

Potential To Emit @ 8760 hr/yr			Anticipated Actual Emissions @ 4380 hr/yr		
lb/yr	lb/ton	ton/yr	lb/yr	lb/ton	ton/yr
25647.53	2000.00	12.82	12823.76	2000.00	6.41
71236.32	2000.00	35.62	35618.16	2000.00	17.81

WASH SCREWS
 REMOVED FROM THE SYSTEM
 PER 06/12/09 TELECON W/DAN
 WEST. *N. Dittler*

2009 JUN -5 AM 9:04
 REVENUE

* DENOTES WET PROCESS EQUIPMENT



WASH SCREENS
 6/12/09 - PER TELECON W/ DMN WEST
 UNITS ARE NO LONGER IN THE
 SYSTEM. R. DIBBL

MARTIN MARIETTA AGGREGATES RALEIGH, N.C.	
FLOW DIAGRAM	
PLANT NO. 20103	
QUARRY: CABBAGE GROVE	
DATE: 3/24/04	JOB NO.
REVISION:	SHEET NO.

FILE NAME:	
D:	
A:	
D:	
Z:	
1:	
DATE:	REVISION:
DR. PWT:	SCALE:

Martin Marietta Materials



Southeast Division
3019 Riverwatch Parkway
Augusta, GA 30907
Telephone: (706)-860-1762
Fax: (706) 868-6846

June 1, 2009

Florida Department of Environmental Protection

Air Management Division
Attn: Mr. Dick Dibble
111 South Magnolia Drive
Tallahassee, Florida 32301

RE: Cabbage Grove Quarry - Air General Permit
Renewal Permit No. 1230051-001-AG

To Whom It May Concern:

Enclosed is an application to renew Martin Marietta Materials, Inc., Cabbage Grove Quarry's Air General Permit No. 1230051-001-AG. This submittal contains a check for the \$100.00 registration fee, required application, emission spreadsheet supporting compliance and a flow diagram to describe the plant process.

If you have any questions or concerns, regarding this correspondence, please contact me directly for clarification, at (706) 854-6356(office), (404) 583-9814(cellular) or stephen.duffy@martinmarietta.com (e-mail). Thanks and have a great day.

Sincerely,

Stephen B. Duffy
Senior Environmental Engineer
South Group Operations Services

CC: Dan West
Dan Cisle
David Brisley

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