

RECEIVED

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

MAR 07 2010

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)

7775622-001

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.)

MAYTIN ENGINEERING CORP.

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.)

826/836 INTERCHANGE LAT: 27° 47' 01.33" N  
LONG: 80° 19' 18.91" W

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

Street Address:

City:

MIAMI

County:

MIAMI DADE

Zip Code:

33126

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

4/1/10

**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: Rolando T. Martin President

Owner/Authorized Representative Mailing Address

Organization/Firm: MAYTIN ENGINEERING CORP.

Street Address: 13900 NW 112 AVE

City: WILLOW GARDENS County: MIAMI DADE Zip Code: 33018

Owner/Authorized Representative Telephone Numbers

Telephone: 305 970 8208

Fax: 305 827 4547

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: Rolando Martin President

Facility Contact Mailing Address

Organization/Firm: MAYTIN ENGINEERING CORP.

Street Address:

City: County: Zip Code:

Facility Contact Telephone Numbers

Telephone:

Fax: 305 827 4547

Cell phone (optional): 305 970 8208

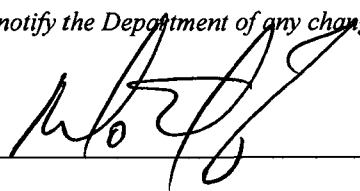
**Owner/Authorized Representative Statement**

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



Date

2/27/10

**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  
 Remove Particulate Matter

Use Water Application  
 Reduce Stock Pile Height

Use Dust Suppressant  
 Install Wind Breaks

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

Feeders  
 Classifier Screens

Entrance to "Crusher"  
 Conveyor Drop Points

Exit of "Crusher"

**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.

WATER TRUCK WITH 1 LABOR SPRAYING WATER ONTO STOCKPILES THEN SPRAYING WATER ON SOURCE OF MATERIAL. ALSO WATER TRUCK TO SPRAY WATER ON AREA WHERE MOVEMENT IS TO OCCUR IN ORDER TO SUPPRESS ANY DUST PARTICULATES. 57 STONE SHALL BE USED AT ALL ENTRANCES & EXITS.

### 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.

We are going to be demolishing bridges in the 826/836 project in Miami Dade County. The concrete that will be produced during this project will be hauled to a specific location on the job & crushed using a Komatsu BR480 Mobile track crusher. We will have a water truck at all times spraying down the area. We will be loading the material onto the crusher with an excavator & stockpiling the fines with a loader. We will then load the fines onto trucks which will haul the material back for re-use. Work area will be silt-fenced for run-off precautions.

Equipment: Komatsu BR480 G Serial # T7006  
100 TONS / Hour.

(4) Adoption of crane for crusher maintenance

Since the impact crusher has many parts which are subject to wear, it is effective to use a crane when servicing the crusher. The conventional impact crushers require a base for the crane used for their maintenance. The BR480RG permits installing a hydraulic crane to the machine side for the convenience of the maintenance personnel. This hydraulic crane, which is driven by an electric motor, is provided with safety devices which prevent the work equipment from getting into action suddenly during maintenance work. The newly-developed crane has greatly facilitated replacing worn parts inside the crusher (Photo 4).

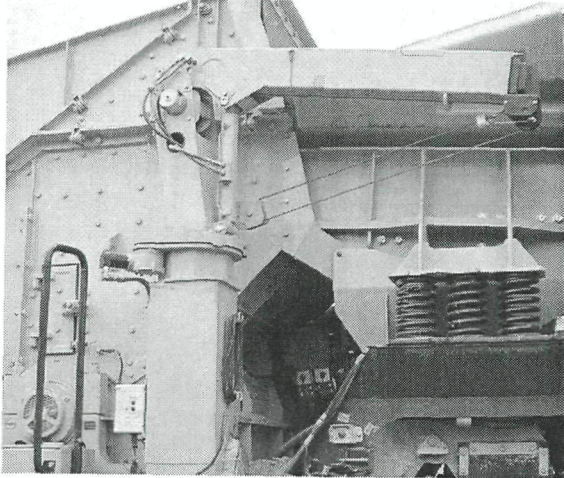


Photo 4 Crane used for maintenance

(5) Combination with screening equipment

In order to recycle crushed debris into aggregates, it is necessary to meet the applicable standards. In this connection, it is effective to use screening equipment to treat crushed debris. The conventional crushing plants employ a closed system in which oversize debris can be transported on a conveyor and re-input to the screening equipment. In order to implement the same function with the BR480RG too, connection of a mobile screen with the BR480RG has been made possible to configure a closed system (Photo 5). This in turn has significantly expanded the scope of application of the BR480RG since it permits readily building a simple plant at a site where crushing and screening debris is necessary.

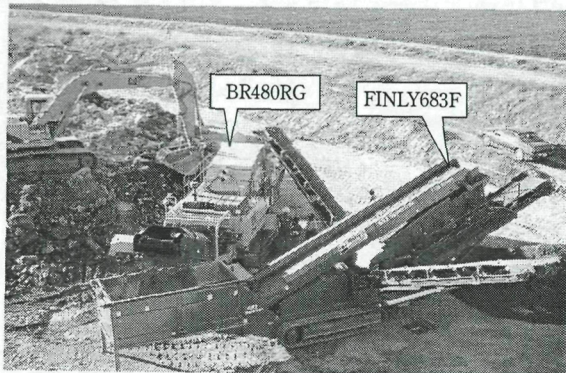


Photo 5 Closed system configuration

4. Consideration for the environment

- (1) The BR480RG employs a Komatsu SAA6D125E-2 engine – a clean, low-vibration engine that has cleared the Tier II emission regulations of the United States. The noise produced by the engine is also controlled to a low level (Table 3). All this helps to reduce the environmental impact during operation of the BR480RG.

Table 3 Levels of noise and vibration caused by BR480RG

Working condition (engine in HI mode)		Noise (measured at points 7m from machine) dB	Ground vibration (measured at points 7m from machine sides) dB
Work equipment 'OFF'	No load	80.0	Max. 65
	Under load (reference)	92.0	Max. 65

(2) Installation of water spray

The occurrence of fine dust during crushing work often poses a problem, especially when an impact crusher is used. In order to restrain the occurrence of dust, the crusher discharging port and conveyor system of the BR480RG are completely enclosed to prevent the dust from coming out. In addition, spray nozzles are provided at the crusher entrance and exit to prevent the dust from scattering about during operation of the BR480RG (Fig. 14).

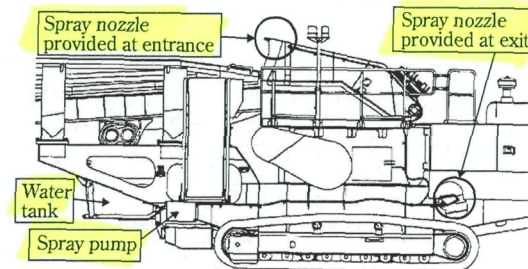
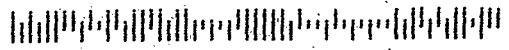


Fig. 14 Water spray system

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**MAYTIN ENGINEERING**  
3851 N.W. 125 Street  
Opa Locka, FL 33054

FDEP RECEIPTS  
P.O. Box 3070

Tallahassee, FL 32315-  
3070

ATTN: DICKSON DIBBLE