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NOV 03 2005

BUREAU OF AIR REGULATION



455 Fairway Drive
Deerfield Beach, FL 33441
(954) 481-2800
Fax (954) 421-0296
www.titanamerica.com

31-Oct-05

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

Mr. Al Linero
Florida Department of Environmental Protection
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Re: Public Notice for Production Increase – Titan Florida Pennsuco Cement Plant
DEP File no. – 0250020-017-AC

Dear Mr. Linero,

Pursuant to the requirements of Chapter 50, Florida Statutes, Titan Florida published the “Public Notice of Intent to Issue Air Construction Permit,” on October 15, 2005 in the Miami Herald. Attached is proof of publication as required by the statute.

If there are any questions, comments, or concerns regarding this notification please contact me at 954-425-4227 or 561-504-6787.

Sincerely,

Terry Laneaster
Environmental Manager

Cc: Dave Buff, Golder

PUBLISHED DAILY
MIAMI-DADE-FLORIDA

STATE OF FLORIDA
COUNTY OF MIAMI-DADE

Before the undersigned authority personally
appeared:

ORFINDA MORENO

who on oath says that he/she is

CUSTODIAN OF RECORDS

of The Miami Herald, a daily newspaper published at
Miami in Miami-Dade County, Florida; that the
attached copy of advertisement was published in said
newspaper in the issues of.

October 15, 2005

Affiant further says that the said The Miami Herald
is a newspaper published at Miami, in the said
Miami-Dade County, Florida and that the said
newspaper has heretofore been continuously published
in said Miami-Dade County, Florida each day and has
been entered as second class mail matter at the post
office in Miami, in said Miami-Dade County, Florida,
for a period of one year next preceding the first
publication of the attached copy of advertisement;
and affiant further says that he has neither paid nor
promised any person, firm or corporation any discount,
rebate, commission or refund for the purpose of
securing this advertisement for publication in the said
newspaper(s).

[Handwritten signature]

Sworn to and subscribed before me this
17th day of October 2005

My Commission
Expires: August 1, 2006

[Handwritten signature: Silvia Sendra]

Notary



PUBLIC NOTICE
OF INTENT
TO ISSUE AIR
CONSTRUCTION
PERMIT
DEF File No.
0205020-017-AC
Tarmac Florida LLC
- Titan Florida
Penneuco Cement
Plant
Medley, Miami-Dade
County

The Department of
Environmental
Protection
(Department) gives
notice of its intent to
issue an Air
Construction Permit
to Tarmac America,
LLC to increase
production at the
Titan Florida
Penneuco Cement
Plant located at
11000 NW 121 Way,
Medley, Miami-Dade
County, A review
under the rules for
the Prevention of
Significant Deterioration
of Air Quality
(PSD) and a Best
Available Control
Technology (BACT)
determination were
required for carbon
monoxide (CO). The
applicant's name and
business address are
Tarmac America
LLC, 455 Fairway
Drive, Deerfield
Beach, Florida 33441.

In 1999 and 2001
air construction per-
mits were issued for
the modernization of
the Penneuco Cement
Plant. The moderniza-
tion involved re-
placement of the two

wet process kilns and
clinker coolers with a
single 250 ton per
hour (TPH) kiln and
clinker cooler known
as Kiln 6 and Clinker
cooler 5. There are
no other kilns or
clinker coolers in op-
eration at the facility.

Although the
capacity of the plant
was increased by
the modernization,
emissions per ton of
product were expect-
ed to decrease com-
pared to the original
wet process. The pri-
mary reason is that
substantially less fuel
is required per unit of
product when using
the dry process. Be-
cause the wet process
this is largely be-
cause there is no
need to make raw
material slurry and
then evaporate the
water. The separator/
clinker technology
offers better combus-
tion control in the
process and dry
scrubbing of sulfur
dioxide. The new
baghouses are more
efficient than previ-
ous particulate con-
trol equipment. A
PSD Review and
BACT determination
were required be-
cause projected net
emissions increases
were less than the re-
spective significant
emission levels (SEL)
for all pollutants.

Kiln 6 and Cooler 5
started up in June
2004. A 2,160 TPD
permit in April 2005
to reflect the final
construction of the
plant particularly with
respect to finish mill
and restricted daily
plant production
of 1,842,000 tons per
year (TPY) of clinker
which is substantially
less than can be pro-
duced by continuous
operation at 250 TPH.
Ancillary equipment
needed to support the
baghouses, coal
mills, etc. is similarly
limited or is limited by
restrictions in annual
hours of operation.

Tarmac requests to
increase the annual
clinker production
rate to 2,160 TPD
which is equal to
continuous operation
of 760 hours per year
at the permitted
short-term rate of
260TPH. The company
requests removal of
restrictions on annual
hours of operation for
the ancillary equip-
ment needed to sup-
ply raw materials and
product clinker and
cement to do so
without requiring
PSD review and a
BACT permitting
it is necessary to
show that facility
emissions increases
caused by the mod-
ernization will not
exceed the annual SER
for each pollutant.

The company
provides estimates
showing that it can
restrict net emission
increases after the
production increase
to less than the annual
SER for nitrogen
oxides (NOx), sulfur
dioxide (SO2), particu-
late matter (PM/
PM10), and volatile
organic compounds
(VOC). They also pro-
vide 12-month rolling
data for the first half
of 2005 showing pro-
jected emissions of NOx
to the atmosphere to
avoid the SER and
showing that the con-
tinuous emissions of
VOC and SO2 will
yield annual emissions
increases less than
the respective SER.
Annual PM/PM10
tests were submitted
to show that the kiln
and cooler system
can comply with the
requested short-term
emission limit and
annual emissions to
meet the SER
applicable to the
modernization.

Tarmac America
LLC has requested a
rolling 12-month NOx
limit of 2.17 pounds
per ton of clinker (lb/
ton). This is the low-
est limit for any kiln
known to be in opera-
tion in the country.
SO2 emissions from
the facility are mini-
mal because of virtu-
ally complete scrub-
bing of exhaust gases
by finely divided lime
in the calciner. One
effect of the modern-
ization is that SO2 in-
crement has been ex-
panded in the nearby
Class I Everglades
National Park.

The Department
conducted a BACT
determination for CO
and set a limit of 2.0
lb CO/ton on a
30-day basis. This is
the lowest among re-
cent BACT determi-
nations in the state
and the country. It will
be achieved by use of
a calciner with a long
residence time to en-
sure complete burn-

out of CO and by us-
ing raw materials with
relatively low carbon
content. Modeling
was conducted that
showed that the addi-
tional CO emissions
will not cause ground
level increases in ex-
cess of the significant
impact levels of 1.6
and 0.45 parts per
million for the 1 and
8-hour averaging pe-
riods, respectively.
Any CO impacts will
be insignificant espe-
cially compared with
nearby heavy traffic
on the Florida side
Turnpike, U.S. 27,
and other major
traffic arteries.

PM/PM10 and
VOC emissions are
also very low while
process PM/PM10
can be readily
controlled. The
Department request-
ed that Tarmac sub-
mit a plan to control
that fugitive emis-
sions will not increase
as a result to in-
creased production.
The plan submitted
includes planting of
trees, wetting of
paving of roads and
paths, wheel washing
of trucks, and a number
of other reasonable
precautions.

The Department
will accept written
comments concerning
the proposed permit
issuance action and
a public hearing for a
period of thirty (30)
days from the date of
publication of Public
Notice of Intent to
Issue Air Construction
Permit. Written com-
ments should be pro-
vided to the Department's
Bureau of Air
Regulation at 3600
Commonwealth
Boulevard, Mail
Station # 35,
Tallahassee, FL
32399-3000. Any
written comments
filed shall be readily
available for public
inspection. If written
comments received
result in a significant
change in the pro-
posed agency action,
the Department shall
initiate the proposed
permit and require if
applicable, another
Public Notice.

The Department will
issue the permit with
the attached condi-
tions unless a written
petition for an admin-
istrative hearing is
filed pursuant to
sections 120.569 and
120.57, F.S. before
the deadline for filing
petitions for agency
action. The hearing
process for a hearing
is not available in
this proceeding.

A person whose
substantial interests
are affected by the
decision may petition
for an administrative
hearing under sections
120.569 and 120.57
of the Florida
Statutes. The petition
must contain infor-
mation set forth
below and must be
filed (received) in the
Office of General
Counsel of the
Department at 3600
Commonwealth
Boulevard, Mail
Station # 35,
Tallahassee, Florida
32399-3000. Petitions
filed by the permit
applicant or any of
the parties listed
below must be filed
within fourteen days
of receipt of this
notice of intent. Peti-
tions filed by any
person other than the
applicant shall be
filed within fourteen
days of receipt of
this notice of intent
whichever occurs
first. Under section
120.603, however,
any person who
notified the Department
of notice of agency
action may file a peti-
tion within fourteen
days of receipt of that
notice, regardless of
the date of publica-
tion. A petitioner shall
mail a copy of the
petition to the applica-
nt at the address in-
dicated above at the
time of filing. The fail-
ure of any person to
file a petition within
the appropriate time
period shall consti-
tute a waiver of that
person's right to re-
quest an administra-
tive determination
(hearing) under sec-
tions 120.569 and
120.57, F.S. or to in-
tervene in this pro-
ceeding and partici-
pate as a party to it.

Any subsequent in-
tervention will be only
at the approval of the
presiding officer upon
the filing of a motion
in compliance with
Rule 28-106.205 of
the Florida Adminis-
trative Code.

A petition that
disputes the material
facts on which the
Department's action
is based must contain

the following infor-
mation: (a) the name
and address of each
agency affected and
each agency's file or
identification number,
if known; (b) the
name, address, and
telephone number of
the petitioner; (c)
the name, address,
and telephone number
of the petitioner's
representative, if any,
which shall be the
address for service
purposes during the
course of the pro-
ceeding; and an
explanation of how
the petitioner's
substantial interests
will be affected by
the agency's determina-
tion; (d) a statement
of how and when peti-
tioner received notice
of the agency action
or proposed action;
(e) a statement of all
disputed issues of
material fact; if there
are none, the peti-
tioner so indicate; (f)
A concise statement
of the ultimate facts
alleged, as well as the
rules and
which entitle the peti-
tioner to relief; (g)
statement of the spe-
cific rules or statutes
the petitioner be-
lieves require reversal,
or modification of
the agency's proposed
action; and (h) a
statement of the relief
sought by the peti-
tioner, stating pre-
cisely the action peti-
tioner wishes the
agency to take with
respect to the agency's
proposed action.

A petition that
does not dispute the
material facts upon
which the Department's
action is based shall
state that no such facts
are in dispute and other-
wise shall contain the
same information set
forth above, as
required by Rule
28-106.301.

Because the
administrative hearing
process is designed
to formulate the
agency action, the
filing of a petition
means that the
Department's final
action will be differ-
ent from the action
taken by it in
this notice. Persons
whose substantial in-
terests are affected
by any such final
decision of the
Department on the
application have the
right to petition to
become a party to the
proceeding in ac-
cordance with the
requirements set
forth above.

A complete project
file is available for
public inspection dur-
ing normal business
hours 8:00 a.m. to
5:00 p.m., Monday
through Friday,
except legal holidays,
at:

Dept of
Environmental
Protection
Bureau of Air
Regulation
111 S Magnolia
Drive, Suite 4
Tallahassee, Florida
32301
Telephone
(850) 411-0114
Fax: (850) 922-8979

Dept of Environmental
Protection
Southeast District
Office
400 North Congress
Avenue
West Palm Beach,
Florida 33401
Telephone:
407/881-8600
Fax: 407/881-8755

Miami-Dade County
Department of
Environmental
Resources
Management
33 Southwest 2nd
Avenue, Suite 900
Miami, Florida
33130-1840
Telephone:
305/372-5925
Fax: 305/372-6954

The complete project
file includes the applica-
tion, technical evalua-
tions, Draft Permit,
and the information
submitted by the re-
sponsible official ex-
clusive of confidential
records under Section
403.111, F.S. Inter-
ested persons may
contact the Program
Administrator, South
Permitting Section at
111 South Magnolia
Drive, Suite 4,
Tallahassee, Florida
32301, or call
850/921-9523
for additional
information. Key
documents can be
viewed at www.
dep.state.fl.us/air/
permitting
construction.htm by
clicking on the Titan
link.