



Environmental Consulting & Technology, Inc.

RECEIVED

AUG 31 2001

August 30, 2001

BUREAU OF AIR REGULATION

SENT VIA OVERNIGHT MAIL ON AUGUST 30, 2001

Mr. A.A. Linero, P.E.  
Administrator, New Source Review Section  
Florida Department of Environmental Protection  
Division of Air Resources Management  
111 S. Magnolia Drive, Suite 23  
Tallahassee, FL 32301

Re: El Paso Merchant Energy Company  
DEP File No. 0112545-001-AC (PSD-FL-316)  
Broward Energy Center  
Public Notice Affidavit

Dear Mr. Linero:

The Public Notice of the draft Department Prevention of Significant Deterioration (PSD) permit for the Broward Energy Center was published in the Sun-Sentinel on August 24, 2001. A copy of the newspaper's affidavit of publication is attached.

Please contact Tom Davis at (352) 332-6230, Ext. 351 if there are any questions regarding this notice.

ENVIRONMENTAL CONSULTING & TECHNOLOGY, INC.

Adrienne Arteaga

Attachment

cc: Mr. Krish Ravishankar, El Paso

- O. Galbraith
- G. Worley, EPA
- G. Bennett, NPS
- D. Boner, Broward Co.
- M. Meeker, SED
- Chair, Broward Co. BCC
- Mayor, Pompano Beach
- Mayor, Deerfield Beach
- Mayor, Coral Springs
- Mayor, Coconut Creek
- Mayor, Margate
- Mayor, Parkland
- R. Blispman

6300 NE First Avenue  
Suite 100  
Fort Lauderdale, FL  
33334

(954)  
771-0444

FAX(954)  
771-8118

**CERTIFICATE OF SERVICE**

I HEREBY CERTIFY that a true and correct copy of the foregoing has been furnished by facsimile and regular U.S. Mail to: State of Florida Department of Environmental Protection, Marjory Stoneman Douglas Building, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000, (850) 921-3000 (facsimile), and Joel Gustafson, Attorney for Broward Beach Energy, Holland & Knight, P.O. Box 14070, Fort Lauderdale, Florida 33302-4070, (954) 463-2030, (facsimile) this 31<sup>st</sup> day of August, 2001.

CITY OF COCONUT CREEK  
CITY ATTORNEY'S OFFICE



Nancy A. Cousins  
Assistant City Attorney  
Florida Bar No. 224154  
City of Coconut Creek  
4800 West Copans Road  
Coconut Creek, FL 33063  
(954) 973-6797  
(954) 973-6790 – Facsimile  
ncousins@creekgov.net

**SUN-SENTINEL**  
Published Daily  
Fort Lauderdale, Broward County, Florida  
Boca Raton, Palm Beach County, Florida

STATE OF FLORIDA  
COUNTY OF BROWARD/PALM BEACH

Before the undersigned authority personally appeared *[Signature]*  
who on oath says that he is *Classified Supervisor* of the Sun-Sentinel, daily newspaper published  
in Broward/Palm Beach County, Florida, that the attached copy of advertisement,  
being, a *Police August 2001 Notice*  
in the matter of *August 2001 Notice*  
in the \_\_\_\_\_ Court  
was published in said newspaper in the issues of *August 24, 2001*

Affiant further says that the said Sun-Sentinel is a newspaper published in  
Said Broward/Palm Beach County, Florida, and that the said newspaper has  
heretofore been continuously published in said Broward/Palm Beach County,  
Florida, each day, and have been entered as second class matter at the post  
office in Fort Lauderdale, in said Broward County, Florida, for a period of  
one year next preceding the first publication of the attached copy of  
advertisement, and affiant 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 said newspaper.

Sworn to and subscribed before me this *24<sup>th</sup>* day of *August*, 20 *01*  
*[Signature]* (Signature of Affiant)



Tara L. Bezak  
MY COMMISSION # DD024939 EXPIRES  
July 20, 2005  
BONDED THROUGH FIDELITY INSURANCE, INC.

*Tara L. Bezak*  
(Signature of Notary Public)

(Name of Notary typed, printed or stamped) \_\_\_\_\_

Personally Known \_\_\_\_\_ or Produced Identification \_\_\_\_\_

PLEASE COPY LEGAL NOTICE HERE

**PUBLIC NOTICE OF INTENT TO ISSUE AIR CONSTRUCTION PERMIT**

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DEP File No. 0112545-001-AC (PSD-FL-316)

El Paso Broward Energy Center  
Broward County

The Department of Environmental Protection (Department) gives notice of its intent to issue an air construction permit under the requirements for the Prevention of Significant Deterioration (PSD) of Air Quality to El Paso Merchant Energy Company. The permit is to construct a nominal 775-megawatt (MW) natural gas-fired power plant East of the Turnpike and North of Hilton Road (Northwest 48th Street) in Deerfield Beach, Broward County. A Best Available Control Technology (BACT) determination was required for sulfur dioxide (SO<sub>2</sub>), particulate matter (PM<sub>10</sub>), nitrogen oxides (NO<sub>x</sub>), sulfonic acid mist (SAM), and carbon monoxide (CO) pursuant to Rule 62-212.400 F.A.C. The applicant's name and address are El Paso Merchant Energy Company, 1001 Louisiana Street, Houston, Texas 77002.

El Paso proposes to construct four nominal 175-MW General Electric PG7241FA natural gas-fired combustion turbine-electric generators. Three of the units will operate in simple cycle mode and intermittent duty. The other unit will operate in combined cycle mode and will include an unfired heat recovery steam generator and a separate steam-electric generator.

Additional equipment includes four 135-foot stacks, a five-cell mechanical draft fresh water cooling towers, a 2,600-horsepower (hp) emergency diesel-fired electrical generator, a 250-hp emergency diesel-fired fire water pump, a natural gas fired heater, an aqueous ammonia storage tank, and raw and demineralized water storage tanks.

NO<sub>x</sub> emissions will be controlled by Dry Low NO<sub>x</sub> (DLN-2.5) combustors. The three simple cycle units must meet an emission limit of 9 parts per million by volume, dry, at 15 percent oxygen (ppmv @ 15% O<sub>2</sub>). NO<sub>x</sub> emissions from the Emissions of CO will be controlled to 8 ppmvd @ 15% O<sub>2</sub>, except during periods of power augmentation when the limit for the combined cycle unit will be 12 ppmvd @ 15% O<sub>2</sub>.

Emissions of PM<sub>10</sub>, SO<sub>2</sub>, sulfonic acid mist, volatile organic compounds, and hazardous air pollutants (HAP) will be controlled to very low levels by good combustion and use of inherently clean pipeline quality natural gas. Ammonia emissions (NH<sub>3</sub>) generated due to NO<sub>x</sub> control on the combined cycle unit will be limited to 5 ppmvd.

The combined maximum emissions from the four units in tons per year are summarized below. These include the minor emissions from the emergency diesel engines and the cooling towers.

Pollutant	Maximum Potential Emissions	PSD Significant Emission Rate
PM <sub>10</sub> (filterable plus condensable)	227	25.15
CO	420	120
NO <sub>x</sub>	534	40
VOC	36	40
SO <sub>2</sub>	87	40
Sulfonic Acid Mist	13	7

Maximum predicted air quality impacts due to emissions from the El Paso project are less than the applicable PSD Class II significant impact levels, with the exception of 24-hour average PM<sub>10</sub>. Therefore, multi-source modeling was required for PM<sub>10</sub>. The maximum predicted PSD Class II PM<sub>10</sub> increments consumed in Broward County by increment consuming sources (since 1975-77) within 51 km of the project, will be as follows:

Averaging Time	Increment Consumed	Allowable Increment	Percent Increment Consumed
	All Sources El Paso Project (µg PM <sub>10</sub> /m <sup>3</sup> )	All Sources (µg PM <sub>10</sub> /m <sup>3</sup> )	All Sources El Paso Project (percent)
24-hour	23.6	30	77.20

Maximum predicted air quality impacts due to emissions from the El Paso project are less than the applicable PSD Class I significant impact levels.

A CALPUFF modeling analysis for the El Paso project was submitted by the applicant to the National Park Service (NPS). On the basis of the submittal, NPS advised the Department that it "does not anticipate any significant impacts on Air Quality Related Values for the Everglades National Park."

Based on the required analyses, the Department has reasonable assurance that the proposed project will not cause or significantly contribute to a violation of any ambient air quality standard of PSD increment.

The project is not subject to Section 403.501-518, F.S., Florida Electrical Power Plant Siting Act, based on information regarding gross electrical power generated from the steam cycle submitted by the applicant and reviewed by the Department.

The Department will issue the FINAL Permit, in accordance with the conditions of the DRAFT Permit, unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The Department will accept written comments and requests for a public meeting concerning the proposed permit issuance action for a period of 30 (thirty) days from the date of publication of this Public Notice of Intent to Issue Air Construction Permit. Written comments should be provided to the Department's Bureau of Air Regulation at 2600 Blair Stone Road, Mail Station #5505, Tallahassee, FL 32399-2400. Any written comments filed shall be made available for public inspection. If comments received result in a significant change in the proposed agency action, the Department shall revise the proposed permit and require, if applicable, another Public Notice.

The Department will issue the permit with the attached conditions unless a timely petition for an administrative hearing is filed pursuant to sections 120.569 and 120.57 F.S., before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below. Mediation is not available in this proceeding.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station #35 Tallahassee, Florida 32399-300. 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. Petitions filed by any persons other than those entitled to written notice under section 120.50(3) of the Florida Statutes must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of intent, whichever occurs first. Under section 120.50(3), however, any person who asked the Department for notice of agency action may file a petition within fourteen days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under sections 120.569 and 120.57 F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention 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 Administrative Code.

A petition that disputes the material facts on which the Department's action is based must contain the following information: (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, 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 proceeding, and an explanation of how the petitioner's substantial interests will be affected by the agency determination; (c) A statement of how and when petitioner received notice of the agency action or proposed action; (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate; (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action; (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action, and (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner 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 otherwise shall contain the same information as set forth above, as required by Rule 28-106.301.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be 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 accordance with the requirements set forth above.

A complete project file is available for the public inspection during 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: 850-488-0114 Fax: 850-922-6979	Department of Environmental Protection Suzanne Jones Office 400 North Congress Avenue West Palm Beach, Florida 33415 Telephone: 561-681-6600 Fax: 561-681-6753	Broward County Department of Permitting & Environmental Protection 218 Southwest 1st Avenue Fort Lauderdale, Florida 33301 Telephone: 954-519-1220 Fax: 954-519-1495
---	---	---

The complete project file includes the application, technical evaluations, Draft Permit, and the information submitted by the responsible official, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact the Administrator, New Resource Review Section at 111 South Magnolia Drive, Suite 4, Tallahassee, Florida 32301, or call 850/488-0114, for additional information. The draft permit, technical evaluation and preliminary BACT determination can be accessed at <http://www8.myflorida.com/licensing/permitting/learn/environment/air/apermit.html>