

*Jonathan Holcomb*

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
**NOTICE OF FINAL PERMIT**

In the Matter of an  
Application for Permit by:

Mr. Bruce Smith, General Manager  
Cedar Bay Generating Company, L.P.  
P.O. Box 26324  
Jacksonville, Florida 32226

DEP File No. 0310337-006-AC / PSD-FL-137F  
Cedar Bay Cogeneration Facility  
Duval County

Enclosed is Final Permit Number 0310337-006-AC / PSD-FL-137F. This permit authorizes Cedar Bay Generating Company to add a pug mill to its ash handling facilities (so ash may transported off-site in open trucks) and recognizes an increase in limestone and coal handling at the facility that was authorized by a revision to the power plant siting conditions of certification (PA88-24, Last Modified 05/31/01). This permit is issued pursuant to Chapter 403, Florida Statutes.

Any party to this order has the right to seek judicial review of it under section 120.68 of the Florida Statutes, by filing a notice of appeal under rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel, Mail Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The notice must be filed within thirty days after this order is filed with the clerk of the Department.

Executed in Tallahassee, Florida.

*C. H. Fancy*  
C. H. Fancy, P.E., Chief  
Bureau of Air Regulation

**CERTIFICATE OF SERVICE**

The undersigned duly designated deputy agency clerk hereby certifies that this Notice of Final Permit (including the Final permit) was sent by certified mail (\*) and copies were mailed by U.S. Mail before the close of business on 3/12/02 to the person(s) listed:

Mr. Bruce Smith, Cedar Bay Generating Company \*  
Mr. Jeffery Walker, Cedar Bay Generating Company  
Mr. Chris Kirts, P.E., DEP-NED  
Mr. Richard Robinson, P.E., RESD  
Mr. Gregg Worley, EPA

Clerk Stamp

**FILING AND ACKNOWLEDGMENT FILED**, on this date, pursuant to §120.52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

*Barbara J. Friday*  
(Clerk) 3/12/02  
(Date)

## **FINAL DETERMINATION**

Cedar Bay Generating Company  
Cedar Bay Cogeneration Facility  
DEP File No. 0310337-006-AC/PSD-FL-137F

The Department distributed a public notice package on January 3, 2002, to allow the applicant to add a pug mill to its ash handling facilities. This action will result in a very insignificant increase in potential emissions of fugitive particulate matter, but will provide more flexibility in the removal of ash from the site. The added flexibility will come with the ability to transport ash in open container trucks in addition to the currently permitted open and closed rail cars and closed trucks. The ability to transport ash from the site in open trucks will only be allowed in conjunction with the use of the pug mill. Dry ash will not be allowed to be transported in open trucks. Ash will also continue to be loaded into capped rail cars and/or closed trucks at the Cedar Bay Cogeneration Facility, located at 9640 Eastport Road, Jacksonville, Duval County. This permit also recognizes and approves an increase in coal and limestone handling rates that was requested in a previous PSD application and inadvertently overlooked during the application processing. The requested increase was, however, granted in the revised power plant siting conditions of certification (PA88-24, Last Modified 05/31/01).

The Public Notice of Intent to Issue was published in The Florida Times Union on February 4, 2002.

### **COMMENTS/CHANGES**

No comments were received by the Department regarding this project.

### **CONCLUSION**

The final action of the Department is to issue the permit as it was noticed.



Jeb Bush  
Governor

# Department of Environmental Protection

Marjory Stoneman Douglas Building  
3900 Commonwealth Boulevard  
Tallahassee, Florida 32399-3000

David B. Struhs  
Secretary

March 8, 2002

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Bruce Smith, General Manager  
Cedar Bay Generating Company, L.P.  
P.O. Box 26324  
Jacksonville, Florida 32226

Re: Cedar Bay Cogeneration Facility  
DEP File No. 0310337-006-AC/PSD-FL-137F

Dear Mr. Smith:

The Department reviewed your application dated October 26, 2001, requesting a revision to your PSD permit for an increase in the annual/monthly coal and limestone handling rates and the installation of a pug mill for the ash handling facilities.

As you noted in your application, the increase in coal and limestone handling rates was requested in a previous PSD application and inadvertently overlooked during the application processing. The requested increase was, however, granted in the revised power plant siting conditions of certification (PA88-24, Last Modified 05/31/01). The Department understands your desire for this increased material handling, feels that your request is reasonable, and agrees that it results in a very insignificant increase in potential emissions of fugitive particulate matter. The approved increase only affects the material unloading and handling sources. No increase is being authorized for coal usage in the boilers; this revision does not affect the permitted boiler capacities in any way. This change is only an increase in the amount of material that can be delivered to the site during a given time period in order to reduce the possibility of not having enough coal on site to satisfy the combustion demand.

The Department also agrees that the addition of a pug mill to your ash handling facilities will result in a similarly insignificant increase in potential emissions of fugitive particulate matter, but will provide more flexibility in the removal of ash from your site. The added flexibility will come with the ability to transport ash in open container trucks in addition to your currently permitted open and closed rail cars and closed trucks. The ability to transport ash from your site in open trucks will only be allowed in conjunction with the pug mill, dry ash will not be allowed to be transported in open trucks.

In order to properly reflect these revisions, the following changes will be made.

**Specific Condition II.1.B.2. of PSD-FL-137A is changed:**

*"More Protection, Less Process"*

*Printed on recycled paper.*

FROM:

II.1.B.2. The material handling/usage rates for coal, limestone, fly ash, and bed ash shall not exceed the following:

<u>Material</u>	<b>Handling/Usage Rate</b>	
	<b>TPM</b>	<b>TPY</b>
Coal	117,000	1,170,000
Limestone	27,000	320,000
Fly Ash	28,000	336,000
Bed Ash	8,000	88,000

Note: TPM is tons per month based on 30 consecutive days; and, TPY is tons per year.

TO:

II.1.B.2. Material Handling and Usage Rates.

a. The material handling/usage rates for coal unloading and storage and for limestone/aragonite unloading and storage shall not exceed the following:

<b>Unloading/Storage Handling/Usage Rate</b>		
<b>Material</b>	<b>TPM</b>	<b>TPY</b>
Coal	234,000	1,287,000
Limestone/Aragonite	54,000	347,000

b. For all other coal, limestone/aragonite, fly ash, and bed ash handling sources the handling/usage rates shall not exceed the following:

<b>Handling/Usage Rate</b>		
<b>Material</b>	<b>TPM</b>	<b>TPY</b>
Coal	117,000	1,170,000
Limestone	27,000	320,000
Fly Ash	28,000	336,000
Bed Ash	8,000	88,000

Note: TPM is tons per month based on 30 consecutive days, TPY is tons per year.

**All of the previous versions of Specific Condition II.1.B.4. (in permits PSD-FL-137A, B, C, and E) will be replaced by the following:**

II.1.B.4. Material handling sources shall be regulated as follows:

a. The material handling and treatment area sources with either fabric filter or baghouse controls are as follows:

- Coal Crusher Building
- Coal Silo Conveyor
- Limestone Pulverizer (2)/Conveyors
- Limestone Storage Bins (2)

- Bed Ash Hopper
- Bed Ash Separator
- Bed Ash Silo Vent
- Fly Ash Silo Vent
- Fly Ash Separators (2)

The emissions from the above listed sources are subject to the particulate emission limitation requirement of 0.003 gr/dscf (applicant-requested limitation which is more stringent than what is allowed by Rule 62-296.711, F.A.C.). Since these sources are RACT standard type, then a one-time verification test on each source shall be required for PM mass emissions to demonstrate that the baghouse control systems can achieve the 0.003 gr/dscf. The performance tests shall be conducted using EPA Method 5 pursuant to Chapter 62-297, F.A.C., and 40 CFR 60, Appendix A.

- b. Fugitive emissions from the following material handling and transport sources shall be controlled as follows:

Coal Car Unloading:	Wet Suppression using continuous water sprays during unloading.
Dry Ash Rail Car loadout:	Using closed or covered containers under negative air pressures during ash loadout; and, using water sprays prior to removal of rail car loadout cap when loading open rail cars.
Dry Ash Truck Loadout:	Using sealed trailers under negative air.
Wet Ash Truck Loadout:	Using a pug mill to mix water with ash.

The above listed sources are subject to a visible emission (VE) limitation requirement of 5 percent (5%) opacity in accordance with Rule 62-296.711, F.A.C. Initial and subsequent compliance tests shall be conducted for VE using EPA Method 9 or other FDEP approved methods in accordance with Chapter 62-297, F.A.C., and 40 CFR 60, Appendix A. Initial visible emissions testing shall be conducted within 90 days after final DEP approval of these facilities or within 90 days after completion of construction of the source, whichever occurs last. Ash shipped in open rail cars will be sprayed with water to create a crust on the top layer of ash. Dry ash may not be shipped in open trucks. If the pug mill becomes inoperable at any time, all ash shipped in trucks must be shipped in closed trucks and loaded under negative air for the duration of the outage.

A copy of this letter shall be filed with the referenced permit and shall become part of the permit. This permit is issued pursuant to Chapter 403, Florida Statutes. Any party to this order (permit) has the right to seek judicial review of it under Section 120.68, F.S., by the filing of a Notice of Appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the Clerk of the Department of Environmental Protection in the Office of General Counsel, Mail Station 35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000, and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within (thirty) days after this Notice is filed with the Clerk of the Department.

Executed in Tallahassee, Florida.



Howard L. Rhodes, Director  
 Division of Air Resources Management

**CERTIFICATE OF SERVICE**

The undersigned duly designated deputy agency clerk hereby certifies that this Air Construction/PSD Permit was sent by certified mail (\*) and copies were mailed by U.S. Mail before the close of business on 3/12/02 to the person(s) listed:

- Mr. Bruce Smith, Cedar Bay\*
- Mr. Jeffery Walker, Cedar Bay
- Mr. C. Kirts, DEP NED
- Mr. H. Oven, PPS
- Mr. J. Manning, RESD
- Mr. G. Worley, EPA
- Mr. Kennard F. Kosky, P.E., Golder Associates

Clerk Stamp

**FILING AND ACKNOWLEDGMENT FILED**, on this date, pursuant to §120.52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

Barbara J. Friday 3/12/02  
(Clerk) (Date)

## APPENDIX GC – GENERAL PERMIT CONDITIONS

[F.A.C. 62-4.160]

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- G.1 The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
- G.2 This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings or exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
- G.3 As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit is not a waiver or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.
- G.4 This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
- G.5 This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
- G.6 The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
- G.7 The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at a reasonable time, access to the premises, where the permitted activity is located or conducted to:
- (a) Have access to and copy and records that must be kept under the conditions of the permit;
  - (b) Inspect the facility, equipment, practices, or operations regulated or required under this permit, and,
  - (c) Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

APPENDIX GC – GENERAL PERMIT CONDITIONS

[F.A.C. 62-4.160]

G.8 If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:

- (a) A description of and cause of non-compliance; and
- (b) The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

G.9 In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.73 and 403.111, Florida Statutes. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

G.10 The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

G.11 This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 62-4.120 and 62-730.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

G.12 This permit or a copy thereof shall be kept at the work site of the permitted activity.

G.13 This permit also constitutes:

- (a) Determination of Best Available Control Technology (X)
- (b) Determination of Prevention of Significant Deterioration ( ); and
- (c) Compliance with New Source Performance Standards (X).

G.14 The permittee shall comply with the following:

- (a) Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.



## APPENDIX GC – GENERAL PERMIT CONDITIONS

[F.A.C. 62-4.160]

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(b) The permittee shall hold at the facility, or other location designated by this permit, records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application or this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.

(c) Records of monitoring information shall include:

1. The date, exact place, and time of sampling or measurements;
2. The person responsible for performing the sampling or measurements;
3. The dates analyses were performed;
4. The person responsible for performing the analyses;
5. The analytical techniques or methods used; and
6. The results of such analyses.

G.15 When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.



**PG&E National  
Energy Group**

Cedar Bay  
Generating Plant  
Owner: Cedar Bay Generating Company, L.P.

RECEIVED

FEB 13 2002

BUREAU OF AIR REGULATION

POB 26324  
Jacksonville, FL 32226-6324

904.751.4000  
Fax: 904.751.7320

February 12, 2002

Mr. Jonathan Holtom, P.E.  
Florida Department of Environmental Protection  
Division of Air Resource Management  
Bureau of Air Regulation  
Mail Station #5505  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Re: Cedar Bay Draft Air Construction Permit No. 0310337-006-AC

Dear Mr. Holtom:

Pursuant to the instructions in the Department's letter dated January 23<sup>rd</sup>, 2002, Cedar Bay submits the Affidavit of Publication for the "PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION/PSD PERMIT REVISION". The notice was published in the legal ad section of the Florida Times Union on February 4<sup>th</sup>, 2002.

If there are any questions concerning this Public Notice or if any additional information is needed, please do not hesitate to contact me at 904-751-4000, ext.22.

Sincerely,

Jeffrey A. Walker  
Environmental Manager, Cedar Bay

Cc: B. Smith, CBGC  
B DeHart, Bethesda

THE FLORIDA TIMES-UNION  
Jacksonville, FL  
Affidavit of Publication

Florida Times-Union

CEDAR BAY GENERATING CO.  
PO BOX 26324  
JACKSONVILLE FL 32236

REFERENCE: 0181153 Jeff Walker  
R76306 Intent To Issue

State of Florida  
County of Duval

Before the undersigned authority personally appeared Valerie Vest who on oath says she is a Legal Advertising Representative of The Florida Times-Union, a daily newspaper published in Jacksonville in Duval County, Florida; that the attached copy of advertisement is a legal ad published in The Florida Times-Union. Affiant further says that The Florida Times-Union is a newspaper published in Jacksonville, in Duval County, Florida, and that the newspaper has heretofore been continuously published in Duval County, Florida each day, has been entered as second class mail matter at the post office in Jacksonville, in Duval County, Florida for a period of one year preceeding the first publication of the attached copy of advertisement; and affiant further says that he/she 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.

PUBLISHED ON: 02/04

FILED ON: 02/04/02 *Valerie Vest*

Name: Valerie Vest Title: Legal Advertising  
In testimony whereof, I have hereunto set my hand and seal, the day and year aforesaid.

NOTARY: *Joyce F. Petty*

**INTENT TO ISSUE AN AIR CONSTRUCTION/PSD PERMIT REVISION**

The Department of Environmental Protection (permitting authority) gives notice of its intent to issue an Air Construction/PSD Permit Revision (copies of Draft Air Construction/PSD Permit Revision attached) for the Title V source detailed in the application(s) specified above, for the reasons stated below.

The applicant, Cedar Bay Generating Company, L.P., applied on October 26, 2001 to the Department for a permit modification to increase coal and limestone handling and to install a pug mill on the ash handling facilities at the Cedar Bay Cogeneration Facility, located at 9640 Eastport Road, Jacksonville, Duval County.

The Department has permitting jurisdiction under the provision of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, and 62-212. The above actions are not exempt from permitting procedures. The Department has determined that an air construction permit modification is required to properly authorize the increase in material handling and to recognize the installation of a control device (pug mill) that will allow greater flexibility in removing ash from the site.

The Department intends to issue this air construction permit based on the belief that reasonable assurances have been provided to indicate that these changes will not adversely impact air quality, and that the remaining emission units will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297, F.A.C. The construction permit revision is also necessary in order to avoid any discrepancies between the PSD permit and the previously revised Power Plant Siting Conditions of Certification (PA88-24, Last Modified 05/31/01).

Pursuant to Sections 403.815 and 403.087, F.S., and Rules 62-110.106 and 62-210.350(3), F.A.C., you (the applicant) are required to publish at your own expense the enclosed **"PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION/PSD PERMIT REVISION."** The notice shall be published one time only as soon as possible in the legal advertisement section of a newspaper of general circulation in the area affected. For the purpose of these rules, "publication in a newspaper of general circulation in the area affected" means publication in a newspaper meeting the requirements of Sections 50.011 and 50.031, F.S., in the county where the activity is to take place. Where there is more than one newspaper of general circulation in the county, the newspaper used must be one with significant circulation in the area that may be affected by the permits (construction and revision). If you are uncertain that a newspaper meets these requirements, please contact the permitting authority at the address or telephone number listed below. The applicant shall provide proof of publication to the Department's Bureau of Air Regulation, 2600 Blair Stone Road, Mail Station #5505, Tallahassee, Florida 32399-2400 (Telephone: 850/488-1344; Fax: 850/922-6979) within 7 (seven) days of publication. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permits pursuant to rule 62-110.106, F.A.C.

The Department will issue the final permit with the attached conditions unless a response received in accordance with the following procedures result in a different decision or significant change of terms or conditions.

The Department will accept written comments concerning the proposed Air Construction/PSD Permit issuance action for a period of 14 (fourteen) days from the date of publication of the **"PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION/PSD PERMIT REVISION."** Written comments should be provided to the permitting authority office. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in this Draft Air Construction/PSD Permit, the permitting authority shall issue a Revised Draft Air Construction/PSD 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.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000 (Telephone: 850/488-9730; Fax: 850/487-4938). Petitions filed by the permit's (construction and revision) applicant or any of the parties listed below must be filed within 14 (fourteen) days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 14 (fourteen) days of publication of the public notice or within 14 (fourteen) days of receipt of this notice of intent, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the permitting authority for notice of agency action may file a petition within 14 (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 of the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition that disputes the material facts on which the permitting authority'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.



## BEST AVAILABLE COPY

(c) A statement of how and when each 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, as well as the rules and statutes which entitle the petitioner to relief;

(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 permitting authority'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, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the permitting authority's final action may be different from the position taken by it in this notice of intent. Persons whose substantial interests will be affected by any such final decision of the permitting authority on the application(s) have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation will not be available in this proceeding.

In addition to the above, a person subject to regulation has a right to apply to the Department of Environmental Protection for a variance from or waiver of the requirements of particular rules, on certain conditions, under Section 120.542, F.S. The relief provided by this state statute applies only to state rules, not statutes, and not to any federal regulatory requirements. Applying for a variance or waiver does not substitute or extend the time for filing a petition for an administrative hearing or exercising any other right that a person may have in relation to the action proposed in this notice of intent.

The application for a variance or waiver is made by filing a petition with the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. The petition must specify the following information:

(a) The name, address, and telephone number of the petitioner;

(b) The name, address, and telephone number of the attorney or qualified representative of the petitioner, if any;

(c) Each rule or portion of a rule from which a variance or waiver is requested;

(d) The citation to the statute underlying (implemented by) the rule identified in (c) above;

(e) The type of action requested;

(f) The specific facts that would justify a variance or waiver for the petitioner;

(g) The reason why the variance or waiver would serve the purposes of the underlying statute (implemented by the rule); and,

(h) A statement whether the variance or waiver is permanent or temporary and, if temporary, a statement of the dates showing the duration of the variance or waiver requested.

The Department will grant a variance or waiver when the petition demonstrates both that the application of the rule would create a substantial hardship or violate principles of fairness, as each of those terms is defined in Section 120.542(2), F.S., and that the purpose of the underlying statute will be or has been achieved by other means by the petitioner.

Persons subject to regulation pursuant to any federally delegated or approved air program should be aware that Florida is specifically not authorized to issue variances or waivers from any requirements of any such federally delegated or approved program. The requirements of the program remain fully enforceable by the Administrator of the United States Environmental Protection Agency and by any person under the Clean Air Act unless and until the Administrator separately approves any variance or waiver in accordance with the procedures of the federal program.



**PG&E National  
Energy Group™**

Cedar Bay  
Generating Plant

Owner: Cedar Bay Generating Company, LP

PG&E National Energy Group and any other company referenced herein which uses the PG&E name or logo are not the same company as Pacific Gas and Electric Company, the California utility. These companies are not regulated by the California Public Utilities Commission, and customers do not have to buy products from these companies in order to continue to receive quality regulated services from the utility.

## Fax Message

<b>Date:</b>	<u>February 8, 2002</u>		
<b>To:</b>	<u>Jonathan Holtom, P.E.</u>	<b>Facsimile No.:</b>	<u>850-922-6979</u>
		<b>Phone No.:</b>	<u>850-921-9531</u>
<b>Company:</b>	<u>FDEP-Air Resources</u>	<b>No. of Pages:</b>	<u>3</u> (including this one)
<b>City/State:</b>	<u>Tallahassee, Fl.</u>		
<b>From:</b>	<u>Jeff Walker</u>	<b>Phone No.:</b>	<u>(904) 751-4000 ext. 22</u>
<b>Special Instructions:</b>	<u></u>		
If transmittal is incomplete or illegible, please call <u>Jeff Walker</u> at (904) 751-4000 ext. 22.			

**Message: Jonathan**

Pursuant to our conversation, please find a faxed copy of the legal notice that was published in the Florida Times Union on February 4, 2002. I will Fed-ex the newspaper affidavit as soon as I receive it from Ms. Valerie Vest, Legal Advertising Representative.

**Regards**

**Jeff Walker**

**Env. Manager @ Cedar Bay**

### CONFIDENTIALITY NOTICE

The information contained in this telefacsimile message is privileged and confidential, and intended only for the use of the individual(s) and/or entity(ies) named above. If you are not the intended recipient, you are hereby notified that any unauthorized disclosure, copying, distribution or taking of any action in reliance on the contents of the telecopy materials is strictly prohibited and review by any individual other than the intended recipient shall not constitute waiver of the attorney/client privilege. If you have received this transmission in error, please immediately notify us by telephone (collect) to arrange for the return of the materials. Thank you.

## BEST AVAILABLE COPY

**Legal Notices****Legal Notices****INTENT TO ISSUE AN AIR CONSTRUCTION/PSD PERMIT REVISION**

The Department of Environmental Protection (permitting authority) gives notice of its intent to issue an Air Construction/PSD Permit Revision (copies of Draft Air Construction/PSD Permit Revision attached) for the Title V source detailed in the application(s) specified above, for the reasons stated below.

The applicant, Cedar Bay Generating Company, L.P., applied on October 26, 2001 to the Department for a permit modification to increase coal and limestone handling and to install a pug mill on the ash handling facilities of the Cedar Bay Cogeneration Facility, located at 9640 Eastport Road, Jacksonville, Duval County.

The Department has permitting jurisdiction under the provision of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, and 62-212. The above actions are not exempt from permitting procedures. The Department has determined that an air construction permit modification is required to properly authorize the increase in material handling and to recognize the installation of a control device (pug mill) that will allow greater flexibility in removing ash from the site.

The Department intends to issue this air construction permit based on the belief that reasonable assurances have been provided to indicate that these changes will not adversely impact air quality, and that the remaining emission units will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297, F.A.C. The construction permit revision is also necessary in order to avoid any discrepancies between the PSD permit and the previously revised Power Plant Siting Conditions of Certification (PA88-24, Last Modified 05/31/01).

Pursuant to Sections 403.015 and 403.087, F.S., and Rules 62-110.106 and 62-210.350(3), F.A.C., you (the applicant) are required to publish at your own expense the enclosed "PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION/PSD PERMIT REVISION." The notice shall be published one time only as soon as possible in the legal advertisement section of a newspaper of general circulation in the area affected. For the purpose of these rules, "publication in a newspaper of general circulation in the area affected" means publication in a newspaper meeting the requirements of Sections 50.011 and 50.031, F.S., in the county where the activity is to take place. Where there is more than one newspaper of general circulation in the county, the newspaper used must be one with significant circulation in the area that may be affected by the permits (construction and revision); if you are uncertain that a newspaper meets these requirements, please contact the permitting authority at the address or telephone number listed below. The applicant shall provide proof of publication to the Department's Bureau of Air Regulation, 2600 Blair Stone Road, Mail Station #5505, Tallahassee, Florida 32399-2400 (Telephone: 850/488-1344; Fax: 850/922-6979), within 7 (seven) days of publication. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permits pursuant to rule 62-110.106, F.A.C.

The Department will issue the final permit with the attached conditions unless a response received in accordance with the following procedures result in a different decision or significant change of terms or conditions.

The Department will accept written comments concerning the proposed Air Construction/PSD Permit Issuance action for a period of 14 (fourteen) days from the date of publication of the "PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION/PSD PERMIT REVISION." Written comments should be provided to the permitting authority office. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in this Draft Air Construction/PSD Permit, the permitting authority shall issue a Revised Draft Air Construction/PSD 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.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000 (Telephone: 850/488-9730; Fax: 850/487-4938). Petitions filed by the permit's (construction and revision) applicant or any of the parties listed below must be filed within 14 (fourteen) days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 14 (fourteen) days of publication of the public notice or within 14 (fourteen) days of receipt of this notice of intent, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the permitting authority for notice of agency action may file a petition within 14 (fourteen) days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the

## BEST AVAILABLE COPY

applicant at the address indicated above, or the title of yours. 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, F.A.C.

A petition that disputes the material facts on which the permitting authority'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 each 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, as well as the rules and statutes which entitle the petitioner to relief;

(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 permitting authority'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, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the permitting authority's final action may be different from the position taken by it in this notice of intent. Persons whose substantial interests will be affected by any such final decision of the permitting authority on the application(s) have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation will not be available in this proceeding.

In addition to the above, a person subject to regulation has a right to apply to the Department of Environmental Protection for a variance from or waiver of the requirements of particular rules, on certain conditions, under Section 120.542, F.S. The relief provided by this state statute applies only to state rules, not statutes, and not to any federal regulatory requirements. Applying for a variance or waiver does not substitute or extend the time for filing a petition for an administrative hearing or exercising any other right that a person may have in relation to the action proposed in this notice of intent.

The application for a variance or waiver is made by filing a petition with the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. The petition must specify the following information:

(a) The name, address, and telephone number of the petitioner;

(b) The name, address, and telephone number of the attorney or qualified representative of the petitioner, if any;

(c) Each rule or portion of a rule from which a variance or waiver is requested;

(d) The citation to the statute underlying (implemented by) the rule identified in (c) above;

(e) The type of action requested;

(f) The specific facts that would justify a variance or waiver for the petitioner;

(g) The reason why the variance or waiver would serve the purposes of the underlying statute (implemented by the rule); and,

(h) A statement whether the variance or waiver is permanent or temporary and, if temporary, a statement of the dates showing the duration of the variance or waiver requested.

The Department will grant a variance or waiver when the petition demonstrates both that the application of the rule would create a substantial hardship or violate principles of fairness, as each of those terms is defined in Section 120.542(2), F.S., and that the purpose of the underlying statute will be or has been achieved by other means by the petitioner.

Persons subject to regulation pursuant to any federally delegated or approved air program should be aware that Florida is specifically not authorized to issue variances or waivers from any requirements of any such federally delegated or approved program. The requirements of the program remain fully enforceable by the Administrator of the United States Environmental Protection Agency and by any person under the Clean Air Act unless and until the Administrator separately approves any variance or waiver in accordance with the procedures of the federal program.



Jeb Bush  
Governor

# Department of Environmental Protection

Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

David B. Struhs  
Secretary

January 23, 2002

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Bruce Smith, General Manager  
Cedar Bay Generating Company, L.P.  
P.O. Box 26324  
Jacksonville, Florida 32226

Re: Draft Air Construction Permit No.: 0310337-006-AC  
PSD Permit No.: PSD-FL-137F  
Cedar Bay Cogeneration Facility

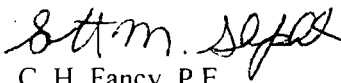
Dear Mr. Smith:

One copy of the Draft Air Construction/PSD Permit Revision for the Cedar Bay Cogeneration Facility located at 9640 Eastport Road, Jacksonville, Duval County, is enclosed. The permitting authority's "INTENT TO ISSUE AN AIR CONSTRUCTION/PSD PERMIT REVISION" and the "PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION/PSD PERMIT REVISION" are also enclosed.

The "PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION/PSD PERMIT REVISION" must be published as soon as possible upon receipt of this letter. Proof of publication, i.e., newspaper affidavit, must be provided to the permitting authority's office within 7 (seven) days of publication. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permit revision.

Please submit any written comments you wish to have considered concerning the permitting authority's proposed action to Scott M. Sheplak, P.E., at the above letterhead address. If you have any other questions, please contact Jonathan Holtom, P.E., at 850/921-9531.

Sincerely,

  
C. H. Fancy, P.E.  
Chief  
Bureau of Air Regulation

CHF/sms/h  
Enclosures  
U.S. EPA, Region 4 (INTERNET E-mail)

"More Protection, Less Process"

Printed on recycled paper.



**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Mr. Bruce Smith, General Manager  
 Cedar Bay Generating Company, L.P.  
 P.O. Box 26324  
 Jacksonville, Florida 32226

2. Article Number (Copy from service label)

7000 0520 0020 9371 2554

PS Form 3811, July 1999

Domestic Return Receipt

102595-00-M-0952

**COMPLETE THIS SECTION ON DELIVERY**

A. Received by (Please Print Clearly) B. Date of Delivery

*Bruce Smith*

C. Signature

*[Signature]*

Agent  
 Addressee

D. Is delivery address different from item 1?  Yes

If YES, enter delivery address below:  No

JAN 20 2002

3. Service Type

Certified Mail  Express Mail  
 Registered  Return Receipt for Merchandise  
 Insured Mail  C.O.D.

4. Restricted Delivery? (Extra Fee)

Yes

7000 0520 0020 9371 2554

**U.S. Postal Service**  
**CERTIFIED MAIL RECEIPT**  
 (Domestic Mail Only; No Insurance Coverage Provided)

Mr. Bruce Smith, General Manager

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Postmark Here

Recipient's Name (Please Print Clearly) (To be completed by mailer)

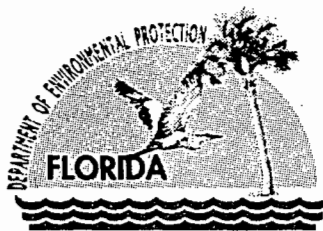
Mr. Bruce Smith, General Manager

Street, Apt. No.; or PO Box No.  
P.O. Box 26324

City, State, ZIP+4  
Jacksonville, Florida 32226

PS Form 3800, February 2000

See Reverse for Instructions



Jeb Bush  
Governor

# Department of Environmental Protection

Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

David B. Struhs  
Secretary

January 24, 2002

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Bruce Smith, General Manager  
Cedar Bay Generating Company, L.P.  
P.O. Box 26324  
Jacksonville, Florida 32226

Re: Draft Air Construction Permit No.: 0310337-006-AC  
PSD Permit No.: PSD-FL-137F  
Cedar Bay Cogeneration Facility

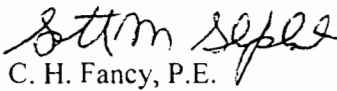
Dear Mr. Smith:

One copy of the Draft Air Construction/PSD Permit Revision for the Cedar Bay Cogeneration Facility located at 9640 Eastport Road, Jacksonville, Duval County, is enclosed. The permitting authority's "INTENT TO ISSUE AN AIR CONSTRUCTION/PSD PERMIT REVISION" and the "PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION/PSD PERMIT REVISION" are also enclosed.

The "PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION/PSD PERMIT REVISION" must be published as soon as possible upon receipt of this letter. Proof of publication, i.e., newspaper affidavit, must be provided to the permitting authority's office within 7 (seven) days of publication. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permit revision.

Please submit any written comments you wish to have considered concerning the permitting authority's proposed action to Scott M. Sheplak, P.E., at the above letterhead address. If you have any other questions, please contact Jonathan Holtom, P.E., at 850/921-9531.

Sincerely,

*for*   
C. H. Fancy, P.E.  
Chief  
Bureau of Air Regulation

CHF/sms/h  
Enclosures  
U.S. EPA, Region 4 (INTERNET E-mail)

"More Protection, Less Process"

Printed on recycled paper.

In the Matter of an  
Application for Permits by:

Cedar Bay Generating Company, L.P.  
9640 Eastport Road  
Jacksonville, FL 32226

Draft Air Construction Permit No.: 0310337-006-AC  
PSD Permit No.: PSD-FL-137F  
Cedar Bay Cogeneration Facility  
Duval County

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**INTENT TO ISSUE AN AIR CONSTRUCTION/PSD PERMIT REVISION**

The Department of Environmental Protection (permitting authority) gives notice of its intent to issue an Air Construction/PSD Permit Revision (copies of Draft Air Construction/PSD Permit Revision attached) for the Title V source detailed in the application(s) specified above, for the reasons stated below.

The applicant, Cedar Bay Generating Company, L.P., applied on October 26, 2001 to the Department for a permit modification to increase coal and limestone handling and to install a pug mill on the ash handling facilities at the Cedar Bay Cogeneration Facility, located at 9640 Eastport Road, Jacksonville, Duval County.

The Department has permitting jurisdiction under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, and 62-212. The above actions are not exempt from permitting procedures. The Department has determined that an air construction permit modification is required to properly authorize the increase in material handling and to recognize the installation of a control device (pug mill) that will allow greater flexibility in removing ash from the site.

The Department intends to issue this air construction permit based on the belief that reasonable assurances have been provided to indicate that these changes will not adversely impact air quality, and that the remaining emission units will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297, F.A.C. This construction permit revision is also necessary in order to avoid any discrepancies between the PSD permit and the previously revised Power Plant Siting Conditions of Certification (PA88-24, Last Modified 05/31/01).

Pursuant to Sections 403.815 and 403.087, F.S., and Rules 62-110.106 and 62-210.350(3), F.A.C., you (the applicant) are required to publish at your own expense the enclosed "PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION/PSD PERMIT REVISION." The notice shall be published one time only as soon as possible in the legal advertisement section of a newspaper of general circulation in the area affected. For the purpose of these rules, "publication in a newspaper of general circulation in the area affected" means publication in a newspaper meeting the requirements of Sections 50.011 and 50.031, F.S., in the county where the activity is to take place. Where there is more than one newspaper of general circulation in the county, the newspaper used must be one with significant circulation in the area that may be affected by the permits (construction and revision). If you are uncertain that a newspaper meets these requirements, please contact the permitting authority at the address or telephone number listed below. The applicant shall provide proof of publication to the Department's Bureau of Air Regulation, 2600 Blair Stone Road, Mail Station #5505, Tallahassee, Florida 32399-2400 (Telephone: 850/488-1344; Fax: 850/922-6979), within 7 (seven) days of publication. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permits pursuant to Rule 62-110.106, F.A.C.

The Department will issue the final permit with the attached conditions 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 concerning the proposed Air Construction/PSD Permit issuance action for a period of 14 (fourteen) days from the date of publication of the "PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION/PSD PERMIT REVISION." Written comments should be provided to the permitting authority office. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in this Draft Air Construction/PSD Permit, the permitting authority shall issue a Revised Draft Air Construction/PSD 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.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000 (Telephone: 850/488-9730; Fax: 850/487-4938). Petitions filed by the permit's (construction and revision) applicant or any of the parties listed below must be filed within 14 (fourteen) days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 14 (fourteen) days of publication of the public notice or within 14 (fourteen) days of receipt of this notice of intent, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the permitting authority for notice of agency action may file a petition within 14 (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, F.A.C.

A petition that disputes the material facts on which the permitting authority'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 each 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, as well as the rules and statutes which entitle the petitioner to relief;

(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 permitting authority'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, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the permitting authority's final action may be different from the position taken by it in this notice of intent. Persons whose substantial interests will be affected by any such final decision of the permitting authority on the application(s) have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation will not be available in this proceeding.

In addition to the above, a person subject to regulation has a right to apply to the Department of Environmental Protection for a variance from or waiver of the requirements of particular rules, on certain conditions, under Section 120.542, F.S. The relief provided by this state statute applies only to state rules, not statutes, and not to any federal regulatory requirements. Applying for a variance or waiver does not substitute or extend the time for filing a petition for an administrative hearing or exercising any other right that a person may have in relation to the action proposed in this notice of intent.

The application for a variance or waiver is made by filing a petition with the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. The petition must specify the following information:

- (a) The name, address, and telephone number of the petitioner;
- (b) The name, address, and telephone number of the attorney or qualified representative of the petitioner, if any;
- (c) Each rule or portion of a rule from which a variance or waiver is requested;
- (d) The citation to the statute underlying (implemented by) the rule identified in (c) above;
- (e) The type of action requested;
- (f) The specific facts that would justify a variance or waiver for the petitioner;
- (g) The reason why the variance or waiver would serve the purposes of the underlying statute (implemented by the rule); and,

(h) A statement whether the variance or waiver is permanent or temporary and, if temporary, a statement of the dates showing the duration of the variance or waiver requested.

The Department will grant a variance or waiver when the petition demonstrates both that the application of the rule would create a substantial hardship or violate principles of fairness, as each of those terms is defined in Section 120.542(2), F.S., and that the purpose of the underlying statute will be or has been achieved by other means by the petitioner.

Persons subject to regulation pursuant to any federally delegated or approved air program should be aware that Florida is specifically not authorized to issue variances or waivers from any requirements of any such federally delegated or approved program. The requirements of the program remain fully enforceable by the Administrator of the United States Environmental Protection Agency and by any person under the Clean Air Act unless and until the Administrator separately approves any variance or waiver in accordance with the procedures of the federal program.

Executed in Tallahassee, Florida.

**STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION**

*C. H. Fancy*  
Er C. H. Fancy, P.E.  
Chief  
Bureau of Air Regulation

**CERTIFICATE OF SERVICE**

The undersigned duly designated deputy agency clerk hereby certifies that this INTENT TO ISSUE AN AIR CONSTRUCTION/PSD PERMIT REVISION (including the PUBLIC NOTICE and the Draft Air Construction/PSD Permit Revision) and all copies were sent by certified mail before the close of business on 1/23/02 to the person(s) listed:

Mr. Bruce Smith, Cedar Bay

In addition, the undersigned duly designated deputy agency clerk hereby certifies that copies of this INTENT TO ISSUE AN AIR CONSTRUCTION/PSD PERMIT REVISION (including the PUBLIC NOTICE and the Draft Air Construction/PSD Permit Revision) were sent by U.S. mail on the same date to the person(s) listed or as otherwise noted:

Mr. Jeffery Walker, Cedar Bay  
Mr. C. Kirts, DEP NED  
Mr. H. Oven, PPS  
Mr. J. Manning, RESD  
Mr. G. Worley, EPA  
Mr. Kennard Kosky, P.E., Golder Associates

Clerk Stamp

**FILING AND ACKNOWLEDGMENT FILED**, on this date, pursuant to Section 120.52(7), Florida Statutes, with the designated agency Clerk, receipt of which is hereby acknowledged.

*Barbara J. Friday* 1/23/02  
(Clerk) (Date)

# PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION/PSD PERMIT REVISION

## DEPARTMENT OF ENVIRONMENTAL PROTECTION

Draft Air Construction Permit No.: 0310337-006-AC  
PSD Permit No.: PSD-FL-137F  
Cedar Bay Cogeneration Facility  
Duval County

The Department of Environmental Protection (permitting authority) gives notice of its intent to issue an Air Construction/PSD Permit Revision to Cedar Bay Generating Company, L.P. for the Cedar Bay Cogeneration Facility located at 9640 Eastport Road, Jacksonville, Duval County. The applicant's name and address are: Cedar Bay Generating Company, L.P., 9640 Eastport Road, Jacksonville, FL 32226.

The Air Construction/PSD Permit is being revised to increase on-site coal and limestone handling and to install a pug mill on the ash handling facilities in order to allow the transport of wetted ash in open container trucks.

The permitting authority will issue the Air Construction/PSD Permit, in accordance with the conditions of the Draft Air Construction/PSD Permit Revision unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The permitting authority will accept written comments concerning the proposed Draft Air Construction/PSD Permit issuance action for a period of 14 (fourteen) days from the date of publication of this Notice. Written comments should be provided to the Department's Bureau of Air Regulation, 2600 Blair Stone Road, Mail Station #5505, Tallahassee, Florida 32399-2400 (Telephone: 850/488-1344; Fax: 850/922-6979). Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in this Draft Air Construction/PSD Permit, the permitting authority shall issue a Revised Draft Air Construction/PSD Permit and require, if applicable, another Public Notice.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57 of the Florida Statutes (F.S.). The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000 (Telephone: 850/488-9730; Fax: 850/487-4938). Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 14 (fourteen) days of publication of the public notice or within 14 (fourteen) days of receipt of the notice of intent, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the permitting authority for notice of agency action may file a petition within 14 (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 applicable 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 (F.A.C.).

A petition that disputes the material facts on which the permitting authority'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; 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 petitioner's substantial rights will be affected by the agency determination;
- (c) A statement of how and when the 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 state;
- (e) A concise statement of the ultimate facts alleged, as well as the rules and statutes, which entitle petitioner to relief;

(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 permitting authority'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, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the permitting authority's final action may be different from the position taken by it in this notice of intent. Persons whose substantial interests will be affected by any such final decision of the permitting authority on the application(s) have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation is not available for this proceeding.

In addition to the above, pursuant to 42 United States Code (U.S.C.) Section 7661d(b)(2), any person may petition the Administrator of the EPA within 60 (sixty) days of the expiration of the Administrator's 45 (forty-five) day review period as established at 42 U.S.C. Section 7661d(b)(1), to object to issuance of any permit revision. Any petition shall be based only on objections to the permit revision that were raised with reasonable specificity during the 30 (thirty) day public comment period provided in this notice, unless the petitioner demonstrates to the Administrator of the EPA that it was impracticable to raise such objections within the comment period or unless the grounds for such objection arose after the comment period. Filing of a petition with the Administrator of the EPA does not stay the effective date of any permit properly issued pursuant to the provisions of Chapter 62-213, F.A.C. Petitions filed with the Administrator of EPA must meet the requirements of 42 U.S.C. Section 7661d(b)(2) and must be filed with the Administrator of the EPA at: U.S. EPA, 401 M Street, S.W., Washington, D.C. 20460.

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

Permitting Authority:

Department of Environmental Protection  
111 S. Magnolia Drive  
Tallahassee, Florida 32301  
Telephone: 850/488-0114  
Fax: 850/922-6979

Affected District

Northeast District  
7825 Baymeadows Way, Suite 200B  
Jacksonville, Florida 32256-7590  
Telephone: 904/448-4300  
Fax: 904/807-3300

Affected Local Program:

City of Jacksonville  
Regulatory and Environmental Services Department  
Air and Water Quality Division  
117 West Duval Street, Suite 225  
Jacksonville, Florida 32202  
Telephone: 904/630-3484  
Fax: 904/630-3638

The complete project file includes the Draft Air Construction/PSD Permit Revision, the application(s), and the information submitted by the responsible official, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact Mr. Scott M. Sheplak, P.E., at the above address, or call 850/488-0114, for additional information.





# Department of Environmental Protection

Jeb Bush  
Governor

Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

David B. Struhs  
Secretary

## P.E. Certification Statement

**Permittee:**

Cedar Bay Generating Company

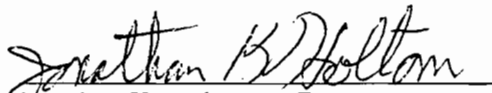
**Draft Air Construction/PSD Permit No.:**

0310337-006-AC/PSD-FL-137F

**Facility ID No.:** 0310337

**Project:** Air Construction/PSD Permit Revision to increase coal and limestone handling and to install a pug mill at the ash handling facility.

**I HEREBY CERTIFY** that the engineering features described in the above referenced application and related additional information submittals, if any, and subject to the proposed permit conditions, provide reasonable assurance of compliance with applicable provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 62-4 and 62-204 through 62-297. However, I have not evaluated and I do not certify aspects of the proposal outside of my area of expertise (including but not limited to the electrical, mechanical, structural, hydrological, and geological features).

  
Jonathan K. Holtom, P.E.  
Registration Number: 0052664

1/22/02  
Date

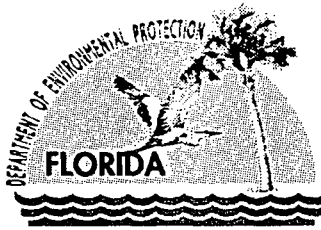
Permitting Authority:

Florida Department of Environmental Protection  
Division of Air Resources Management  
Bureau of Air Regulation  
Mail Station #5505  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Telephone: 850/488-0114  
Fax: 850/922-6979

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# Department of Environmental Protection

Jeb Bush  
Governor

Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

David B. Struhs  
Secretary

*Month Day, 2001*

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Bruce Smith, General Manager  
Cedar Bay Generating Company, L.P.  
P.O. Box 26324  
Jacksonville, Florida 32226

Re: Cedar Bay Cogeneration Facility  
DEP File No. 0310337-006-AC/PSD-FL-137F

Dear Mr. Smith:

The Department reviewed your application dated October 26, 2001, requesting a revision to your PSD permit for an increase in the annual/monthly coal and limestone handling rates and the installation of a pug mill for the ash handling facilities.

As you noted in your application, the increase in coal and limestone handling rates was requested in a previous PSD application and inadvertently overlooked during the application processing. The requested increase was, however, granted in the revised power plant siting conditions of certification (PA88-24, Last Modified 05/31/01). The Department understands your desire for this increased material handling, feels that your request is reasonable, and agrees that it results in a very insignificant increase in potential emissions of fugitive particulate matter. The approved increase only affects the material unloading and handling sources. No increase is being authorized for coal usage in the boilers; this revision does not affect the permitted boiler capacities in any way. This change is only an increase in the amount of material that can be delivered to the site during a given time period in order to reduce the possibility of not having enough coal on site to satisfy the combustion demand.

The Department also agrees that the addition of a pug mill to your ash handling facilities will result in a similarly insignificant increase in potential emissions of fugitive particulate matter, but will provide more flexibility in the removal of ash from your site. The added flexibility will come with the ability to transport ash in open container trucks in addition to your currently permitted open and closed rail cars and closed trucks. The ability to transport ash from your site in open trucks will only be allowed in conjunction with the pug mill, dry ash will not be allowed to be transported in open trucks.

In order to properly reflect these revisions, the following changes will be made.

**Specific Condition II.1.B.2. of PSD-FL-137A is changed:**

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FROM:

II.1.B.2. The material handling/usage rates for coal, limestone, fly ash, and bed ash shall not exceed the following:

<u>Material</u>	<u>Handling/Usage Rate</u>	
	<u>TPM</u>	<u>TPY</u>
Coal	117,000	1,170,000
Limestone	27,000	320,000
Fly Ash	28,000	336,000
Bed Ash	8,000	88,000

Note: TPM is tons per month based on 30 consecutive days; and, TPY is tons per year.

TO:

II.1.B.2. Material Handling and Usage Rates.

a. The material handling/usage rates for coal unloading and storage and for limestone/aragonite unloading and storage shall not exceed the following:

<u>Unloading/Storage Handling/Usage Rate</u>		
<u>Material</u>	<u>TPM</u>	<u>TPY</u>
Coal	234,000	1,287,000
Limestone/Aragonite	54,000	347,000

b. For all other coal, limestone/aragonite, fly ash, and bed ash handling sources the handling/usage rates shall not exceed the following:

<u>Handling/Usage Rate</u>		
<u>Material</u>	<u>TPM</u>	<u>TPY</u>
Coal	117,000	1,170,000
Limestone	27,000	320,000
Fly Ash	28,000	336,000
Bed Ash	8,000	88,000

Note: TPM is tons per month based on 30 consecutive days, TPY is tons per year.

All of the previous versions of Specific Condition II.1.B.4. (in permits PSD-FL-137A, B, C, and E) will be replaced by the following:

II.1.B.4. Material handling sources shall be regulated as follows:

a. The material handling and treatment area sources with either fabric filter or baghouse controls are as follows:

- Coal Crusher Building
- Coal Silo Conveyor
- Limestone Pulverizer (2)/Conveyors
- Limestone Storage Bins (2)

- Bed Ash Hopper
- Bed Ash Separator
- Bed Ash Silo Vent
- Fly Ash Silo Vent
- Fly Ash Separators (2)

The emissions from the above listed sources are subject to the particulate emission limitation requirement of 0.003 gr/dscf (applicant-requested limitation which is more stringent than what is allowed by Rule 62-296.711, F.A.C.). Since these sources are RACT standard type, then a one-time verification test on each source shall be required for PM mass emissions to demonstrate that the baghouse control systems can achieve the 0.003 gr/dscf. The performance tests shall be conducted using EPA Method 5 pursuant to Chapter 62-297, F.A.C., and 40 CFR 60, Appendix A.

- b. Fugitive emissions from the following material handling and transport sources shall be controlled as follows:

Coal Car Unloading:	Wet Suppression using continuous water sprays during unloading.
Dry Ash Rail Car loadout:	Using closed or covered containers under negative air pressures during ash loadout; and, using water sprays prior to removal of rail car loadout cap when loading open rail cars.
Dry Ash Truck Loadout:	Using sealed trailers under negative air.
Wet Ash Truck Loadout:	Using a pug mill to mix water with ash.

The above listed sources are subject to a visible emission (VE) limitation requirement of 5 percent (5%) opacity in accordance with Rule 62-296.711, F.A.C. Initial and subsequent compliance tests shall be conducted for VE using EPA Method 9 or other FDEP approved methods in accordance with Chapter 62-297, F.A.C., and 40 CFR 60, Appendix A. Initial visible emissions testing shall be conducted within 90 days after final DEP approval of these facilities or within 90 days after completion of construction of the source, whichever occurs last. Ash shipped in open rail cars will be sprayed with water to create a crust on the top layer of ash. Dry ash may not be shipped in open trucks. If the pug mill becomes inoperable at any time, all ash shipped in trucks must be shipped in closed trucks and loaded under negative air for the duration of the outage.

A copy of this letter shall be filed with the referenced permit and shall become part of the permit. This permit is issued pursuant to Chapter 403, Florida Statutes. Any party to this order (permit) has the right to seek judicial review of it under Section 120.68, F.S., by the filing of a Notice of Appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the Clerk of the Department of Environmental Protection in the Office of General Counsel, Mail Station 35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000, and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within (thirty) days after this Notice is filed with the Clerk of the Department.

Executed in Tallahassee, Florida.

Howard L. Rhodes, Director  
 Division of Air Resources Management

**CERTIFICATE OF SERVICE**

The undersigned duly designated deputy agency clerk hereby certifies that this Air Construction/PSD Permit was sent by certified mail (\*) and copies were mailed by U.S. Mail before the close of business on \_\_\_\_\_ to the person(s) listed:

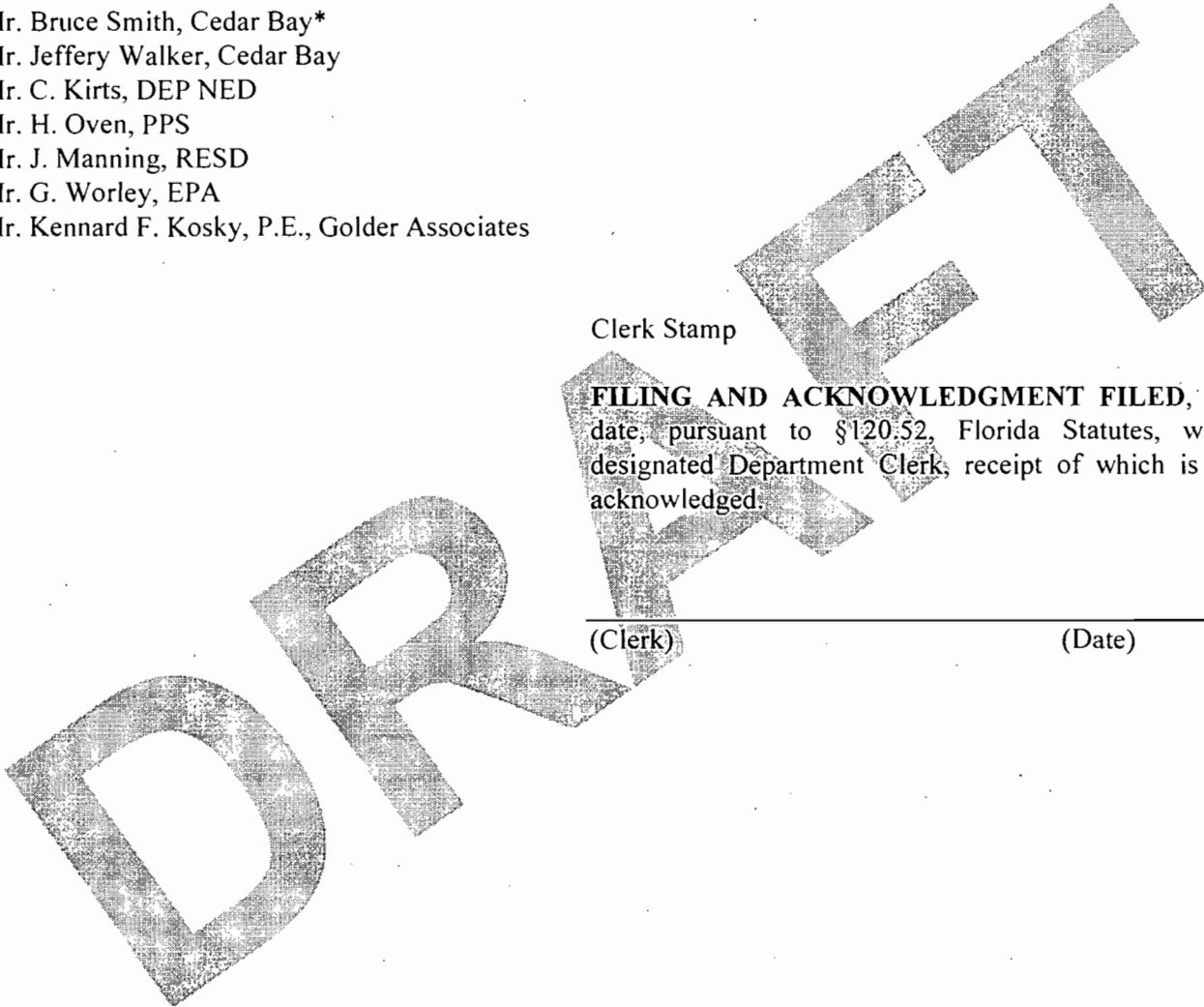
- Mr. Bruce Smith, Cedar Bay\*
- Mr. Jeffery Walker, Cedar Bay
- Mr. C. Kirts, DEP NED
- Mr. H. Oven, PPS
- Mr. J. Manning, RESD
- Mr. G. Worley, EPA
- Mr. Kennard F. Kosky, P.E., Golder Associates

Clerk Stamp

**FILING AND ACKNOWLEDGMENT FILED**, on this date, pursuant to §120.52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

\_\_\_\_\_  
(Clerk)

\_\_\_\_\_  
(Date)





# Department of Environmental Protection

Jeb Bush  
Governor

Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

David B. Struhs  
Secretary

## P.E. Certification Statement

**Permittee:**

Cedar Bay Generating Company

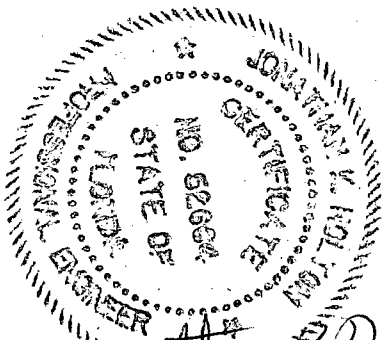
**Draft Air Construction/PSD Permit No.:**

0310337-006-AC/PSD-FL-137F

**Facility ID No.:** 0310337

**Project:** Air Construction/PSD Permit Revision to increase coal and limestone handling and to install a pug mill at the ash handling facility.

**I HEREBY CERTIFY** that the engineering features described in the above referenced application and related additional information submittals, if any, and subject to the proposed permit conditions, provide reasonable assurance of compliance with applicable provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 62-4 and 62-204 through 62-297. However, I have not evaluated and I do not certify aspects of the proposal outside of my area of expertise (including but not limited to the electrical, mechanical, structural, hydrological, and geological features).



*Jonathan K. Holtom*  
Jonathan K. Holtom, P.E.

Registration Number: 0052664

1/22/02  
Date

Permitting Authority:

Florida Department of Environmental Protection  
Division of Air Resources Management  
Bureau of Air Regulation  
Mail Station #5505  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Telephone: 850/488-0114  
Fax: 850/922-6979

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Jeb Bush  
Governor

# Department of Environmental Protection

Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Jonathan Holtom  
David B. Struhs  
Secretary

January 23, 2002

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Bruce Smith, General Manager  
Cedar Bay Generating Company, L.P.  
P.O. Box 26324  
Jacksonville, Florida 32226

Re: Draft Air Construction Permit No.: 0310337-006-AC  
PSD Permit No.: PSD-FL-137F  
Cedar Bay Cogeneration Facility

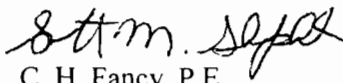
Dear Mr. Smith:

One copy of the Draft Air Construction/PSD Permit Revision for the Cedar Bay Cogeneration Facility located at 9640 Eastport Road, Jacksonville, Duval County, is enclosed. The permitting authority's "INTENT TO ISSUE AN AIR CONSTRUCTION/PSD PERMIT REVISION" and the "PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION/PSD PERMIT REVISION" are also enclosed.

The "PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION/PSD PERMIT REVISION" must be published as soon as possible upon receipt of this letter. Proof of publication, i.e., newspaper affidavit, must be provided to the permitting authority's office within 7 (seven) days of publication. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permit revision.

Please submit any written comments you wish to have considered concerning the permitting authority's proposed action to Scott M. Sheplak, P.E., at the above letterhead address. If you have any other questions, please contact Jonathan Holtom, P.E., at 850/921-9531.

Sincerely,

  
C. H. Fancy, P.E.  
Chief  
Bureau of Air Regulation

CHF/sms/h  
Enclosures  
U.S. EPA, Region 4 (INTERNET E-mail)

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Jeb Bush  
Governor

# Department of Environmental Protection

Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

David B. Struhs  
Secretary

January 24, 2002

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Bruce Smith, General Manager  
Cedar Bay Generating Company, L.P.  
P.O. Box 26324  
Jacksonville, Florida 32226

Re: Draft Air Construction Permit No.: 0310337-006-AC  
PSD Permit No.: PSD-FL-137F  
Cedar Bay Cogeneration Facility

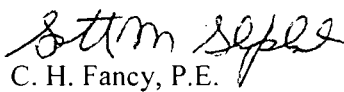
Dear Mr. Smith:

One copy of the Draft Air Construction/PSD Permit Revision for the Cedar Bay Cogeneration Facility located at 9640 Eastport Road, Jacksonville, Duval County, is enclosed. The permitting authority's "INTENT TO ISSUE AN AIR CONSTRUCTION/PSD PERMIT REVISION" and the "PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION/PSD PERMIT REVISION" are also enclosed.

The "PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION/PSD PERMIT REVISION" must be published as soon as possible upon receipt of this letter. Proof of publication, i.e., newspaper affidavit, must be provided to the permitting authority's office within 7 (seven) days of publication. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permit revision.

Please submit any written comments you wish to have considered concerning the permitting authority's proposed action to Scott M. Sheplak, P.E., at the above letterhead address. If you have any other questions, please contact Jonathan Holtom, P.E., at 850/921-9531.

Sincerely,

*for*   
C. H. Fancy, P.E.  
Chief  
Bureau of Air Regulation

CHF/sms/h  
Enclosures  
U.S. EPA, Region 4 (INTERNET E-mail)

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In the Matter of an  
Application for Permits by:

Cedar Bay Generating Company, L.P.  
9640 Eastport Road  
Jacksonville, FL 32226

Draft Air Construction Permit No.: 0310337-006-AC  
PSD Permit No.: PSD-FL-137F  
Cedar Bay Cogeneration Facility  
Duval County

---

**INTENT TO ISSUE AN AIR CONSTRUCTION/PSD PERMIT REVISION**

The Department of Environmental Protection (permitting authority) gives notice of its intent to issue an Air Construction/PSD Permit Revision (copies of Draft Air Construction/PSD Permit Revision attached) for the Title V source detailed in the application(s) specified above, for the reasons stated below.

The applicant, Cedar Bay Generating Company, L.P., applied on October 26, 2001 to the Department for a permit modification to increase coal and limestone handling and to install a pug mill on the ash handling facilities at the Cedar Bay Cogeneration Facility, located at 9640 Eastport Road, Jacksonville, Duval County.

The Department has permitting jurisdiction under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, and 62-212. The above actions are not exempt from permitting procedures. The Department has determined that an air construction permit modification is required to properly authorize the increase in material handling and to recognize the installation of a control device (pug mill) that will allow greater flexibility in removing ash from the site.

The Department intends to issue this air construction permit based on the belief that reasonable assurances have been provided to indicate that these changes will not adversely impact air quality, and that the remaining emission units will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297, F.A.C. This construction permit revision is also necessary in order to avoid any discrepancies between the PSD permit and the previously revised Power Plant Siting Conditions of Certification (PA88-24, Last Modified 05/31/01).

Pursuant to Sections 403.815 and 403.087, F.S., and Rules 62-110.106 and 62-210.350(3), F.A.C., you (the applicant) are required to publish at your own expense the enclosed "PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION/PSD PERMIT REVISION." The notice shall be published one time only as soon as possible in the legal advertisement section of a newspaper of general circulation in the area affected. For the purpose of these rules, "publication in a newspaper of general circulation in the area affected" means publication in a newspaper meeting the requirements of Sections 50.011 and 50.031, F.S., in the county where the activity is to take place. Where there is more than one newspaper of general circulation in the county, the newspaper used must be one with significant circulation in the area that may be affected by the permits (construction and revision). If you are uncertain that a newspaper meets these requirements, please contact the permitting authority at the address or telephone number listed below. The applicant shall provide proof of publication to the Department's Bureau of Air Regulation, 2600 Blair Stone Road, Mail Station #5505, Tallahassee, Florida 32399-2400 (Telephone: 850/488-1344; Fax: 850/922-6979), within 7 (seven) days of publication. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permits pursuant to Rule 62-110.106, F.A.C.

The Department will issue the final permit with the attached conditions 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 concerning the proposed Air Construction/PSD Permit issuance action for a period of 14 (fourteen) days from the date of publication of the "PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION/PSD PERMIT REVISION." Written comments should be provided to the permitting authority office. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in this Draft Air Construction/PSD Permit, the permitting authority shall issue a Revised Draft Air Construction/PSD 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.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000 (Telephone: 850/488-9730; Fax: 850/487-4938). Petitions filed by the permit's (construction and revision) applicant or any of the parties listed below must be filed within 14 (fourteen) days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 14 (fourteen) days of publication of the public notice or within 14 (fourteen) days of receipt of this notice of intent, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the permitting authority for notice of agency action may file a petition within 14 (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, F.A.C.

A petition that disputes the material facts on which the permitting authority'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 each 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, as well as the rules and statutes which entitle the petitioner to relief;

(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 permitting authority'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, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the permitting authority's final action may be different from the position taken by it in this notice of intent. Persons whose substantial interests will be affected by any such final decision of the permitting authority on the application(s) have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation will not be available in this proceeding.

In addition to the above, a person subject to regulation has a right to apply to the Department of Environmental Protection for a variance from or waiver of the requirements of particular rules, on certain conditions, under Section 120.542, F.S. The relief provided by this state statute applies only to state rules, not statutes, and not to any federal regulatory requirements. Applying for a variance or waiver does not substitute or extend the time for filing a petition for an administrative hearing or exercising any other right that a person may have in relation to the action proposed in this notice of intent.

The application for a variance or waiver is made by filing a petition with the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. The petition must specify the following information:

- (a) The name, address, and telephone number of the petitioner;
- (b) The name, address, and telephone number of the attorney or qualified representative of the petitioner, if any;
- (c) Each rule or portion of a rule from which a variance or waiver is requested;
- (d) The citation to the statute underlying (implemented by) the rule identified in (c) above;
- (e) The type of action requested;
- (f) The specific facts that would justify a variance or waiver for the petitioner;
- (g) The reason why the variance or waiver would serve the purposes of the underlying statute (implemented by the rule); and,

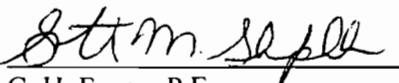
(h) A statement whether the variance or waiver is permanent or temporary and, if temporary, a statement of the dates showing the duration of the variance or waiver requested.

The Department will grant a variance or waiver when the petition demonstrates both that the application of the rule would create a substantial hardship or violate principles of fairness, as each of those terms is defined in Section 120.542(2), F.S., and that the purpose of the underlying statute will be or has been achieved by other means by the petitioner.

Persons subject to regulation pursuant to any federally delegated or approved air program should be aware that Florida is specifically not authorized to issue variances or waivers from any requirements of any such federally delegated or approved program. The requirements of the program remain fully enforceable by the Administrator of the United States Environmental Protection Agency and by any person under the Clean Air Act unless and until the Administrator separately approves any variance or waiver in accordance with the procedures of the federal program.

Executed in Tallahassee, Florida.

**STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION**

  
C. H. Fancy, P.E.  
Chief  
Bureau of Air Regulation

**CERTIFICATE OF SERVICE**

The undersigned duly designated deputy agency clerk hereby certifies that this INTENT TO ISSUE AN AIR CONSTRUCTION/PSD PERMIT REVISION (including the PUBLIC NOTICE and the Draft Air Construction/PSD Permit Revision) and all copies were sent by certified mail before the close of business on 1/23/02 to the person(s) listed:

Mr. Bruce Smith, Cedar Bay

In addition, the undersigned duly designated deputy agency clerk hereby certifies that copies of this INTENT TO ISSUE AN AIR CONSTRUCTION/PSD PERMIT REVISION (including the PUBLIC NOTICE and the Draft Air Construction/PSD Permit Revision) were sent by U.S. mail on the same date to the person(s) listed or as otherwise noted:

Mr. Jeffery Walker, Cedar Bay

Mr. C. Kirts, DEP NED

Mr. H. Oven, PPS

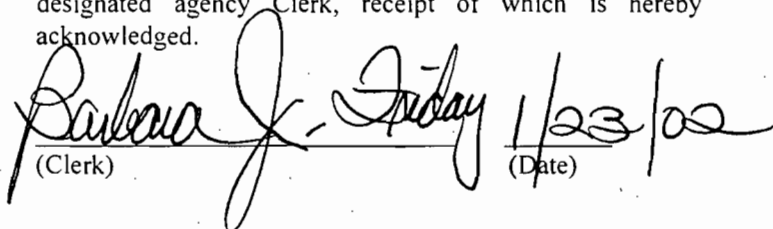
Mr. J. Manning, RESD

Mr. G. Worley, EPA

Mr. Kennard Kosky, P.E., Golder Associates

Clerk Stamp

**FILING AND ACKNOWLEDGMENT FILED**, on this date, pursuant to Section 120.52(7), Florida Statutes, with the designated agency Clerk, receipt of which is hereby acknowledged.

  
(Clerk) 1/23/02 (Date)

**PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION/PSD PERMIT REVISION**

**DEPARTMENT OF ENVIRONMENTAL PROTECTION**

Draft Air Construction Permit No.: 0310337-006-AC  
PSD Permit No.: PSD-FL-137F  
Cedar Bay Cogeneration Facility  
Duval County

The Department of Environmental Protection (permitting authority) gives notice of its intent to issue an Air Construction/PSD Permit Revision to Cedar Bay Generating Company, L.P. for the Cedar Bay Cogeneration Facility located at 9640 Eastport Road, Jacksonville, Duval County. The applicant's name and address are: Cedar Bay Generating Company, L.P., 9640 Eastport Road, Jacksonville, FL 32226.

The Air Construction/PSD Permit is being revised to increase on-site coal and limestone handling and to install a pug mill on the ash handling facilities in order to allow the transport of wetted ash in open container trucks.

The permitting authority will issue the Air Construction/PSD Permit, in accordance with the conditions of the Draft Air Construction/PSD Permit Revision unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The permitting authority will accept written comments concerning the proposed Draft Air Construction/PSD Permit issuance action for a period of 14 (fourteen) days from the date of publication of this Notice. Written comments should be provided to the Department's Bureau of Air Regulation, 2600 Blair Stone Road, Mail Station #5505, Tallahassee, Florida 32399-2400 (Telephone: 850/488-1344; Fax: 850/922-6979). Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in this Draft Air Construction/PSD Permit, the permitting authority shall issue a Revised Draft Air Construction/PSD Permit and require, if applicable, another Public Notice.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57 of the Florida Statutes (F.S.). The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000 (Telephone: 850/488-9730; Fax: 850/487-4938). Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 14 (fourteen) days of publication of the public notice or within 14 (fourteen) days of receipt of the notice of intent, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the permitting authority for notice of agency action may file a petition within 14 (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 applicable 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 (F.A.C.).

A petition that disputes the material facts on which the permitting authority'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; 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 petitioner's substantial rights will be affected by the agency determination;
- (c) A statement of how and when the 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 state;
- (e) A concise statement of the ultimate facts alleged, as well as the rules and statutes, which entitle petitioner to relief;

(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 permitting authority'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, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the permitting authority's final action may be different from the position taken by it in this notice of intent. Persons whose substantial interests will be affected by any such final decision of the permitting authority on the application(s) have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation is not available for this proceeding.

In addition to the above, pursuant to 42 United States Code (U.S.C.) Section 7661d(b)(2), any person may petition the Administrator of the EPA within 60 (sixty) days of the expiration of the Administrator's 45 (forty-five) day review period as established at 42 U.S.C. Section 7661d(b)(1), to object to issuance of any permit revision. Any petition shall be based only on objections to the permit revision that were raised with reasonable specificity during the 30 (thirty) day public comment period provided in this notice, unless the petitioner demonstrates to the Administrator of the EPA that it was impracticable to raise such objections within the comment period or unless the grounds for such objection arose after the comment period. Filing of a petition with the Administrator of the EPA does not stay the effective date of any permit properly issued pursuant to the provisions of Chapter 62-213, F.A.C. Petitions filed with the Administrator of EPA must meet the requirements of 42 U.S.C. Section 7661d(b)(2) and must be filed with the Administrator of the EPA at: U.S. EPA, 401 M Street, S.W., Washington, D.C. 20460.

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

Permitting Authority:

Department of Environmental Protection  
111 S. Magnolia Drive  
Tallahassee, Florida 32301  
Telephone: 850/488-0114  
Fax: 850/922-6979

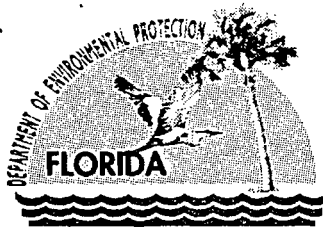
Affected District

Northeast District  
7825 Baymeadows Way, Suite 200B  
Jacksonville, Florida 32256-7590  
Telephone: 904/448-4300  
Fax: 904/807-3300

Affected Local Program:

City of Jacksonville  
Regulatory and Environmental Services Department  
Air and Water Quality Division  
117 West Duval Street, Suite 225  
Jacksonville, Florida 32202  
Telephone: 904/630-3484  
Fax: 904/630-3638

The complete project file includes the Draft Air Construction/PSD Permit Revision, the application(s), and the information submitted by the responsible official, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact Mr. Scott M. Sheplak, P.E., at the above address, or call 850/488-0114, for additional information.



# Department of Environmental Protection

Jeb Bush  
Governor

Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

David B. Struhs  
Secretary

## P.E. Certification Statement

**Permittee:**

Cedar Bay Generating Company

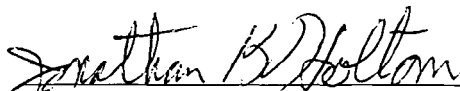
**Draft Air Construction/PSD Permit No.:**

0310337-006-AC/PSD-FL-137F

**Facility ID No.:** 0310337

**Project:** Air Construction/PSD Permit Revision to increase coal and limestone handling and to install a pug mill at the ash handling facility.

**I HEREBY CERTIFY** that the engineering features described in the above referenced application and related additional information submittals, if any, and subject to the proposed permit conditions, provide reasonable assurance of compliance with applicable provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 62-4 and 62-204 through 62-297. However, I have not evaluated and I do not certify aspects of the proposal outside of my area of expertise (including but not limited to the electrical, mechanical, structural, hydrological, and geological features).

  
Jonathan K. Holtom, P.E.

Registration Number: 0052664

1/22/02  
Date

Permitting Authority:

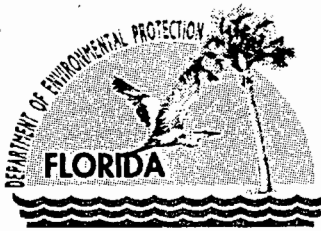
Florida Department of Environmental Protection  
Division of Air Resources Management  
Bureau of Air Regulation  
Mail Station #5505  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Telephone: 850/488-0114

Fax: 850/922-6979

"More Protection, Less Process"

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# Department of Environmental Protection

Jeb Bush  
Governor

Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

David B. Struhs  
Secretary

*Month Day, 2001*

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Bruce Smith, General Manager  
Cedar Bay Generating Company, L.P.  
P.O. Box 26324  
Jacksonville, Florida 32226

Re: Cedar Bay Cogeneration Facility  
DEP File No. 0310337-006-AC/PSD-FL-137F

Dear Mr. Smith:

The Department reviewed your application dated October 26, 2001, requesting a revision to your PSD permit for an increase in the annual/monthly coal and limestone handling rates and the installation of a pug mill for the ash handling facilities.

As you noted in your application, the increase in coal and limestone handling rates was requested in a previous PSD application and inadvertently overlooked during the application processing. The requested increase was, however, granted in the revised power plant siting conditions of certification (PA88-24, Last Modified 05/31/01). The Department understands your desire for this increased material handling, feels that your request is reasonable, and agrees that it results in a very insignificant increase in potential emissions of fugitive particulate matter. The approved increase only affects the material unloading and handling sources. No increase is being authorized for coal usage in the boilers; this revision does not affect the permitted boiler capacities in any way. This change is only an increase in the amount of material that can be delivered to the site during a given time period in order to reduce the possibility of not having enough coal on site to satisfy the combustion demand.

The Department also agrees that the addition of a pug mill to your ash handling facilities will result in a similarly insignificant increase in potential emissions of fugitive particulate matter, but will provide more flexibility in the removal of ash from your site. The added flexibility will come with the ability to transport ash in open container trucks in addition to your currently permitted open and closed rail cars and closed trucks. The ability to transport ash from your site in open trucks will only be allowed in conjunction with the pug mill, dry ash will not be allowed to be transported in open trucks.

In order to properly reflect these revisions, the following changes will be made.

**Specific Condition II.1.B.2. of PSD-FL-137A is changed:**

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FROM:

II.1.B.2. The material handling/usage rates for coal, limestone, fly ash, and bed ash shall not exceed the following:

<u>Material</u>	<u>Handling/Usage Rate</u>	
	<u>TPM</u>	<u>TPY</u>
Coal	117,000	1,170,000
Limestone	27,000	320,000
Fly Ash	28,000	336,000
Bed Ash	8,000	88,000

Note: TPM is tons per month based on 30 consecutive days; and, TPY is tons per year.

TO:

II.1.B.2. Material Handling and Usage Rates.

a. The material handling/usage rates for coal unloading and storage and for limestone/aragonite unloading and storage shall not exceed the following:

<u>Material</u>	<u>Unloading/Storage Handling/Usage Rate</u>	
	<u>TPM</u>	<u>TPY</u>
Coal	234,000	1,287,000
Limestone/Aragonite	54,000	347,000

b. For all other coal, limestone/aragonite, fly ash, and bed ash handling sources the handling/usage rates shall not exceed the following:

<u>Material</u>	<u>Handling/Usage Rate</u>	
	<u>TPM</u>	<u>TPY</u>
Coal	117,000	1,170,000
Limestone	27,000	320,000
Fly Ash	28,000	336,000
Bed Ash	8,000	88,000

Note: TPM is tons per month based on 30 consecutive days, TPY is tons per year.

**All of the previous versions of Specific Condition II.1.B.4. (in permits PSD-FL-137A, B, C, and E) will be replaced by the following:**

II.1.B.4. Material handling sources shall be regulated as follows:

a. The material handling and treatment area sources with either fabric filter or baghouse controls are as follows:

- Coal Crusher Building
- Coal Silo Conveyor
- Limestone Pulverizer (2)/Conveyors
- Limestone Storage Bins (2)

Bed Ash Hopper  
 Bed Ash Separator  
 Bed Ash Silo Vent  
 Fly Ash Silo Vent  
 Fly Ash Separators (2)

The emissions from the above listed sources are subject to the particulate emission limitation requirement of 0.003 gr/dscf (applicant-requested limitation which is more stringent than what is allowed by Rule 62-296.711, F.A.C.). Since these sources are RACT standard type, then a one-time verification test on each source shall be required for PM mass emissions to demonstrate that the baghouse control systems can achieve the 0.003 gr/dscf. The performance tests shall be conducted using EPA Method 5 pursuant to Chapter 62-297, F.A.C., and 40 CFR 60, Appendix A.

- b. Fugitive emissions from the following material handling and transport sources shall be controlled as follows:

Coal Car Unloading:	Wet Suppression using continuous water sprays during unloading.
Dry Ash Rail Car loadout:	Using closed or covered containers under negative air pressures during ash loadout; and, using water sprays prior to removal of rail car loadout cap when loading open rail cars.
Dry Ash Truck Loadout:	Using sealed trailers under negative air.
Wet Ash Truck Loadout:	Using a pug mill to mix water with ash.

The above listed sources are subject to a visible emission (VE) limitation requirement of 5 percent (5%) opacity in accordance with Rule 62-296.711, F.A.C. Initial and subsequent compliance tests shall be conducted for VE using EPA Method 9 or other FDEP approved methods in accordance with Chapter 62-297, F.A.C., and 40 CFR 60, Appendix A. Initial visible emissions testing shall be conducted within 90 days after final DEP approval of these facilities or within 90 days after completion of construction of the source, whichever occurs last. Ash shipped in open rail cars will be sprayed with water to create a crust on the top layer of ash. Dry ash may not be shipped in open trucks. If the pug mill becomes inoperable at any time, all ash shipped in trucks must be shipped in closed trucks and loaded under negative air for the duration of the outage.

A copy of this letter shall be filed with the referenced permit and shall become part of the permit. This permit is issued pursuant to Chapter 403, Florida Statutes. Any party to this order (permit) has the right to seek judicial review of it under Section 120.68, F.S., by the filing of a Notice of Appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the Clerk of the Department of Environmental Protection in the Office of General Counsel, Mail Station 35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000, and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within (thirty) days after this Notice is filed with the Clerk of the Department.

Executed in Tallahassee, Florida.

Howard L. Rhodes, Director  
 Division of Air Resources Management

**CERTIFICATE OF SERVICE**

The undersigned duly designated deputy agency clerk hereby certifies that this Air Construction/PSD Permit was sent by certified mail (\*) and copies were mailed by U.S. Mail before the close of business on \_\_\_\_\_ to the person(s) listed:

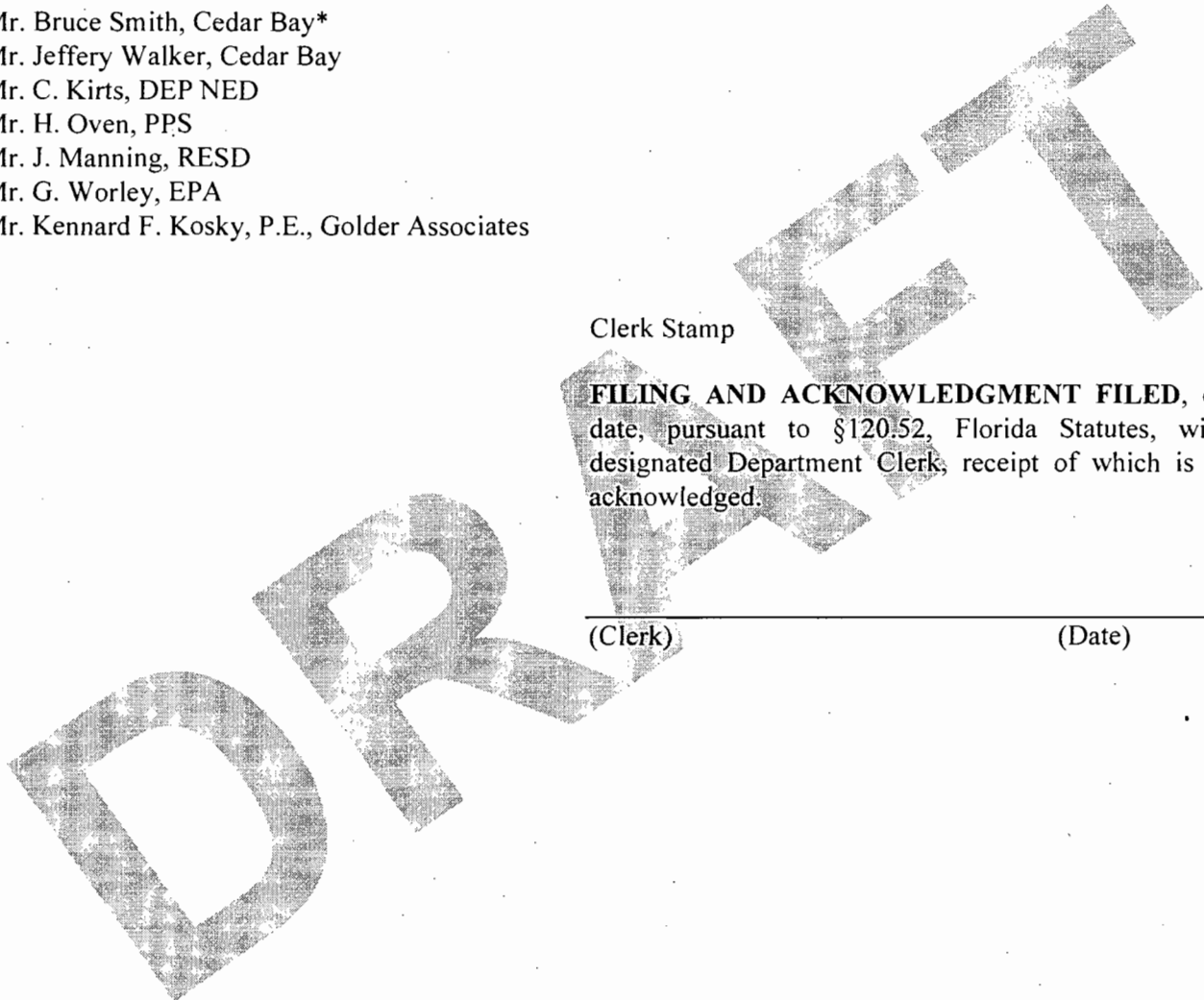
- Mr. Bruce Smith, Cedar Bay\*
- Mr. Jeffery Walker, Cedar Bay
- Mr. C. Kirts, DEP NED
- Mr. H. Oven, PPS
- Mr. J. Manning, RESD
- Mr. G. Worley, EPA
- Mr. Kennard F. Kosky, P.E., Golder Associates

Clerk Stamp

**FILING AND ACKNOWLEDGMENT FILED**, on this date, pursuant to §120.52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

\_\_\_\_\_  
(Clerk)

\_\_\_\_\_  
(Date)



CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Kent L. Fickett  
Cedar Bay Cogeneration, Inc.  
7500 Old Georgetown Road  
Bethesda, Maryland 20814

RE: Cedar Bay Cogeneration Project  
Revised Permit: PSD-FL-137A

Dear Mr. Fickett:

The U.S. EPA Region IV has completed its review of the summary of and the record in the proceeding to modify the certification for the Cedar Bay Cogeneration Project (Project) issued under Florida's Power Plant Siting Act, which were enclosures to Mr. C. H. Fancy's letter dated September 23, 1993; and, also reviewed was your request for administrative changes to the conditions of the air permit, No. PSD-FL-137, issued to Cedar Bay Cogeneration, Inc. -- the current name of AES/Cedar Bay, Inc., the original permittee for the Project -- on March 28, 1991, for the Project. You presented an array of changes to the original permit's (PSD-FL-137) Specific Conditions to account for the improvements in ambient air quality associated with the emission reductions now required by the Project's modified certification. The basis of your request for amendments/revisions are that -- based on changes in fuels, control technologies, operational parameters, and related equipment and procedures -- the Project will be required to and can achieve lower emission rates and that the Settlement Stipulation entered into by the parties to the modification proceeding commits the Project to requesting the proposed amended/revised permit, No. PSD-FL-137A.

Based on the foregoing, it is determined that the proposed revision (PSD-FL-137A) to permit No. PSD-FL-137 is acceptable and will not result in the increase of any pollutant emissions subject to the PSD regulations or of ambient impacts. As a result, the proposed revisions to the permit qualify as an administrative change and will not require additional public participation procedures.

Authority to construct a stationary source was granted for the Project, subject to the conditions contained in the permit to construct, No. PSD-FL-137, on March 28, 1991. The administrative change (PSD-FL-137A) does not alter the commence construction deadline for the Project. This authority to construct is based solely on the requirements of 40 CFR 52.21, the federal regulations governing significant deterioration of air quality, and in no way affects approvals under Federal or State regulatory authorities.

Please be advised that a violation of any condition issued as part of this approval, as well as any construction which proceeds in material variance with information submitted in your application, may subject Cedar Bay Cogeneration, Inc. to enforcement action.

Any questions concerning this administrative permit revision may be directed to Mr. Winston A. Smith, Director, Air, Pesticides, and Toxics Management Division at (404) 347-3043.

Sincerely yours,

Patrick M. Tobin  
Acting Regional Administrator

Enclosures

cc: Mr. C. H. Fancy  
Florida Department of Environmental  
Regulation  
Twin Towers Office Building  
2600 Blair Stone Road /  
Tallahassee, Florida 32399-2400

PSD-FL-137A

PERMIT TO CONSTRUCT UNDER THE RULES FOR THE  
PREVENTION OF SIGNIFICANT DETERIORATION OF AIR QUALITY

Pursuant to and in accordance with the provisions of Part C, Subpart 1 of the Clean Air Act, as amended, 42 U.S.C. 7470 et seq., and the regulations promulgated thereunder at 40 C.F.R. 52.21, 40 CFR 24, and 40 CFR 51, Appendix S, as amended,

Cedar Bay Cogeneration, Inc.  
7500 Old Georgetown Road  
Bethesda, Maryland 20814

is hereby authorized to construct/modify a stationary source, specifically the Cedar Bay Cogeneration Project, at the following location:

Cedar Bay Cogeneration, Inc.  
Cedar Bay Cogeneration Project  
Duval County  
9640 Eastport Road  
Jacksonville, Florida

UTM Coordinates: Zone 17 - 441.76 km E, 3365.58 km N

Upon completion of this authorized construction and commencement of operation/production, this stationary source shall be operated in accordance with the emission limitations, sampling requirements, monitoring requirements and other conditions set forth in the attached General Conditions (Part I) and Specific Conditions (Part II).

The revisions to this permit shall become effective on the date signed below.

If construction is discontinued for a period of 18 months or more, or if construction is not completed within a reasonable time, this permit shall expire and authorization to construct shall become invalid.

This authorization to construct/modify shall not relieve the owner or operator of the responsibility to comply fully with all applicable provisions of Federal, State, and Local law.

Date Signed

Patrick M. Tobin  
Acting Regional Administrator

**I. GENERAL CONDITIONS:**

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.161, 403.727, or 403.859 through 403.861, F.S. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.

3. As provided in Subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.

4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of F.S. and Department rules, unless specifically authorized by an order from the Department.

6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at a reasonable time, access to the premises, where the permitted activity is located or conducted to:

- a. Have access to and copy any records that must be kept under the conditions of the permit;
- b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and,
- c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:

- a. a description of and cause of non-compliance; and,
- b. the period of noncompliance, including dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the F.S. or Department rules, except where such use is prescribed by Sections 403.73 and 403.111, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and F.S. after a reasonable time for compliance, provided, however, the permittee does not waive any other rights granted by F.S. or Department rules.



11. This permit is transferable only upon Department approval in accordance with Rules 17-4.120 and 17-730.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes:

- (x) Determination of Best Available Control Technology (BACT)
- (x) Determination of Prevention of Significant Deterioration and Nonattainment Areas NSR
- (x) Compliance with New Source Performance Standards (NSPS; Subpart Da)

14. The permittee shall comply with the following:

- a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
- b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
- c. Records of monitoring information shall include:
  - the date, exact place, and time of sampling or measurements;
  - the person responsible for performing the sampling or measurements;
  - the dates analyses were performed;
  - the person responsible for performing the analyses;
  - the analytical techniques or methods used; and,
  - the results of such analyses.

15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

## II. SPECIFIC CONDITIONS:

1. The construction and operation of Cedar Bay Cogeneration Project (CBCP or Project) shall be in accordance with all applicable provisions of Chapters 17-210 through 17-297, F.A.C. In addition to the foregoing, CBCP shall comply with the following conditions as indicated, which reflect the conditions of the Modification of Certification dated May 11, 1993:

### A. Emission Limitations for CBCP Boilers

#### 1. Fluidized Bed Coal Fired Boilers (CFB)

a. The maximum coal charging rate of each CFB shall neither exceed 104,000 lbs/hr., 39,000 tons per month (30 consecutive days), nor 390,000 tons per year (TPY). This reflects a combined total of 312,000 lbs/hr., 117,000 tons per month, and 1,170,000 TPY for all three CFBs.

b. The maximum charging rate to each of two CFBs of short fiber recycle rejects from the SKC recycling process shall not exceed 210 yd<sup>3</sup>/day wet and 69,588 yd<sup>3</sup>/yr wet. This reflects a combined total of 420 yd<sup>3</sup>/day wet and 139,176 yd<sup>3</sup>/yr wet for the two CFBs that fire recycle rejects. The third CFB will not utilize recycle rejects, nor will it be equipped with handling and firing equipment for recycle rejects.

c. The maximum heat input to each CFB shall not exceed 1063 MMBtu/hr. This reflects a combined total of 3189 MMBtu/hr. for all three units.

d. The sulfur content of the coal shall not exceed 1.2% by weight on an annual basis. The sulfur content shall not exceed 1.7% by weight on a shipment (train load) basis.

e. Auxiliary fuel burners shall be fueled only with No. 2 fuel oil with a maximum sulfur content of 0.05% by weight. The fuel oil shall normally only be used for startups. During commercial operation the maximum annual oil usage shall not exceed 1,900,000 gals./year. The maximum heat input from the fuel oil shall not exceed 380 MMBtu/hr. for each of the CFBs.

f. The CFBs shall be fueled only with the fuels permitted in Specific Conditions II.A.1.a., 1.b., and 1.e. above. Other fuels or wastes shall not be burned without prior specific written approval of the Secretary of the DEP pursuant to Specific Condition II.E., Modification of Conditions.

g. The CFBs may operate continuously, i.e., 8760 hrs/yr, but shall not exceed  $25.98 \times 10^6$  MMBtu/yr. total annual heat input.

h. To the extent that it is consistent with Specific Condition II.A.1.b. and the following, CBCP shall burn all of the short fiber rejects generated by SKC in processing recycled paper. No less than ninety (90) days prior to completion of construction, CBCP shall submit a plan to the DEP for conducting a 30-day test burn within one year after initial compliance testing. That test burn shall be designed to ascertain whether the CFBs can burn the rejects as supplemental fuel without exceeding any of the limitations on emissions and fuel usage contained in Specific Condition II.A. and without causing any operational problems which would affect the reliable operation (with customary maintenance) of the CFBs and without violating any other environmental requirements. CBCP shall notify the DEP and the Regulatory and Environmental Services Department (RESD) at least thirty (30) days prior to initiation of the test burn. The results of the test burn and CBCP's analysis shall be reported to the DEP and to the RESD within forty-five (45) days of completion of the test burn. The DEP shall notify CBCP within thirty (30) days thereafter of its approval or disapproval of any conclusion by CBCP that the test burn demonstrated that the rejects can be burned in compliance with this condition.

## 2. Coal Fired Boiler Controls

The emissions from each CFB shall be controlled using the following systems:

a. Limestone injection and fuel sulfur limitations, for control of sulfur dioxide and acid gases.

b. Baghouse, for control of particulate matter.

c. CBCP shall conduct a test to determine whether substantial additional removal of mercury can be obtained through a carbon injection system for mercury removal, as described in Exhibit 74 of the administrative record for the Lee County Resource Recovery Facility, which feeds carbon reagent into the CFB exhaust stream prior to the baghouse. Within one hundred eighty (180) days after initial compliance testing, CBCP shall conduct a test on one CFB to compare mercury emissions to the atmosphere with and without carbon injection. The test program will include the testing of carbon injection between the boiler and the fabric filter. Carbon forms to

be tested may include activated carbon with or without additives and pulverized coal with or without additives. After consultation with the DEP, RESD, and EPRI, CBC shall submit a mercury control test protocol to the DEP for approval by December 1, 1993. Results of the test shall be submitted to the DEP within 90 days of completion.

d. Selective Non-catalytic Reduction (SNCR) for control of NOx.

e. Good combustion characteristics, which are an inherent part of the CFB technology, for control of carbon monoxide and volatile organic compounds.

3. Flue gas emissions from each CFB shall not exceed the following:

<u>Pollutant</u>	<u>lbs/MMBtu</u>	<u>Emission Limitations</u>		
		<u>lbs/hr.</u>	<u>TPY</u>	<u>TPY for 3 CFBs</u>
CO	0.175 <sup>1</sup>	186 <sup>1</sup>	758	2273
NOx	0.17 <sup>2</sup>	180.7 <sup>2</sup>	736.1	2208
SO <sub>2</sub>	0.24 <sup>3</sup>	255.1 <sup>3</sup>	--	--
	0.20 <sup>4</sup>	--	866	2598
VOC	0.015	16.0	65	195
PM	0.018	19.1	78	234
PM <sub>10</sub>	0.018	19.1	78	234
H <sub>2</sub> S <sub>04</sub> mist	4.66e-04	0.50	2.0	6.1
Fluorides	7.44e-04	0.79	3.2	9.7
Lead	6.03e-05	0.06	0.26	0.78
Mercury	2.89e-05	0.03	0.13	0.38
Beryllium	8.70e-06	0.01	0.04	0.11

[Note: TPY represents a 93% capacity factor.]

1 Eight-hour rolling average, except for initial and annual compliance tests and the CEM certification, when the 1-hour applies.

2 Thirty-day rolling average.

3 Three-hour rolling average.

4 Twelve-Month rolling average.

4. Ammonia (NH<sub>3</sub>) slip from exhaust gases shall not exceed 10 ppmvd when burning coal at 100% capacity and 30 ppmvd when burning oil.

5. Visible emissions (VE) shall not exceed 20% opacity (6 minute average), except for one 6 minute period per hour when VE shall not exceed 27% opacity pursuant to 40 CFR 60.42a.

6. Compliance with the emission limits shall be determined by EPA reference method tests included in the July 1, 1992 version of 40 CFR Parts 60 and 61, Chapter 17-297, F.A.C., and listed in Specific Condition II.A.8. of this permit or by equivalent methods after prior written DEP approval. In addition, compliance with the

emission limitations in Specific Condition II.A.3. for CO, NOX and SO<sub>2</sub>, and with the opacity requirements in Specific Condition II.A.5., shall be determined with the Continuous Emission Monitoring Systems (CEMS) identified in Specific Condition II.A.9.

7. The CFBs are subject to 40 CFR Part 60, Subparts A and Da, except that where requirements within this permit are more restrictive, the requirements of this permit shall apply.

8. Compliance Tests for each CFB

a. Initial and subsequent compliance tests for PM/PM<sub>10</sub>, SO<sub>2</sub>, NOX, CO, VOC, lead, fluorides, ammonia, mercury, beryllium and H<sub>2</sub>SO<sub>4</sub> mist, shall be conducted in accordance with 40 CFR 60.8 (a), (b), (c), (d), (e) and (f).

b. Annual compliance tests shall be performed for PM, CO, SO<sub>2</sub> and NOX, commencing no later than 12 months from the initial test.

c. Initial and annual visible emissions compliance tests shall be determined in accordance with 40 CFR 60.11(b) and (e).

d. The compliance tests shall be conducted between 90-100% of the maximum licensed capacity and firing rate for each permitted fuel.

e. The following test methods and procedures of Chapter 17-297, F.A.C., and 40 CFR Parts 60 and 61, or other DEP approved methods with prior DEP approval, in writing, shall be used for compliance testing:

- (1) Method 1 for selection of sample site and sample traverses.
- (2) Method 2 for determining stack gas flow rate.
- (3) Method 3 or 3A for gas analysis for calculation of percent O<sub>2</sub> and CO<sub>2</sub>.
- (4) Method 4 for determining stack gas moisture content to convert the flow rate from actual standard cubic feet to dry standard cubic feet.
- (5) Method 5 or Method 17 for particulate matter.
- (6) Method 6, 6C, or 8 for SO<sub>2</sub>.
- (7) Method 7, 7A, 7B, 7C, 7D, or 7E for nitrogen oxides.
- (8) Method 8 for sulfuric acid mist.
- (9) Method 9 for visible emissions, in accordance with 40 CFR 60.11 and Appendix A.

- (10) Method 10 for CO.
- (11) Method 12 for lead.
- (12) Method 13A or 13B for fluorides.
- (13) Method 19 for sulphur dioxide removal efficiency pursuant to 40 CFR 60.48a.
- (14) Method 18 or 25 for VOCs.
- (15) Method 101A or EPA Method 29 for mercury.
- (16) Method 104 for beryllium.
- (17) Method 201 or 201A for PM10 emissions.
- (18) Ammonia (NH<sub>3</sub>) Method to be determined by the Department.

9. Continuous Emission Monitoring for each CFB

CBCP shall install, certify, calibrate, operate, and maintain continuous emission monitoring systems for opacity, SO<sub>2</sub>, NO<sub>x</sub>, CO, and O<sub>2</sub> or CO<sub>2</sub>, pursuant to all applicable requirements of Rule 17-296.800, F.A.C.; Chapter 17-297, F.A.C.; 40 CFR 60 Subpart A; 40 CFR 60 Subpart Da; 40 CFR 60 Appendix B; and, 40 CFR 60 Appendix F. These CEMS shall be used to determine compliance with the emission limitations in Specific Condition II.A.3. for CO, NO<sub>x</sub>, and SO<sub>2</sub>, and with the opacity requirements in Specific Condition II.A.5. The permittee may elect to install, certify, calibrate, operate, and maintain multiple span continuous emission monitoring systems for sulfur dioxide and nitrogen oxides providing certification tests and calibrations are performed for each span. Each of the continuous emission monitoring systems for sulfur dioxide and nitrogen oxides shall continuously record data on a span that satisfies the requirements of 40 CFR 60.47a. Any exception to the above must be specifically authorized by the DEP in writing and in accordance with state and federal regulations.

a. CEMS data shall be recorded and reported in accordance with Chapter 17-297, F.A.C., and 40 CFR 60.49a and 60.7. A record shall be kept for periods of startup, shutdown and malfunction.

b. A malfunction means any sudden and unavoidable failure of air pollution control equipment or process equipment or of a process to operate in a normal or usual manner. Failures that are caused entirely or in part by poor maintenance, careless operation or any other preventable upset condition or preventable equipment breakdown shall not be considered malfunctions.

c. The procedures under 40 CFR 60.13 shall be followed for installation, evaluation, and operation of all CEMS.

d. Opacity monitoring system data shall be reduced to 6-minute averages, based on 36 or more data points, and gaseous CEMS data shall be reduced to 1-hour averages, based on 4 or more data points, in accordance with 40 CFR 60.13(h).

e. For purposes of reports required under this permit, excess emissions are defined as any calculated average emission concentration, as determined pursuant to Specific Condition II.A.11. herein, which exceeds the applicable emission limit in Specific Condition II.A.3.

f. The permittee is subject to all applicable provisions of Rule 17-4.130, F.A.C., Plant Operation-Problems.

#### 10. Operations Monitoring for each CFB

a. Devices shall be installed to continuously monitor and record steam production and flue gas temperature at the exit of the control equipment.

b. All coal and No. 2 fuel oil usage shall be recorded on a 24-hr (daily) basis for each CFB. Recycle rejects usage on a volumetric basis shall be estimated and recorded for each 24-hour period in which rejects are burned.

#### 11. Reporting for each CFB

a. A minimum of thirty (30) days prior written notification of compliance testing shall be given to the DEP's N.E. District office and to the RESD office, in accordance with 40 CFR 60.8.

b. In accordance with Rule 17-297.570, F.A.C., the results of compliance test shall be submitted to the RESD office within 45 days after completion of the last test run.

c. The owner or operator shall submit excess emission reports to the RESD, in accordance with Rule 17-210.700, F.A.C., and 40 CFR 60.7(c) and (d). The reports shall include the following:

(1) The magnitude of excess emissions computed in accordance with 40 CFR 60.13(h), any conversion factors used, and the date and time of commencement and completion of each period of excess emissions (40 CFR 60.7(c)(1)).

(2) Specific identification of each period of excess emissions that occurs during startups, shutdowns, and malfunctions of the furnace boiler system. The nature and cause of any malfunction (if

known) and the corrective action taken or preventive measures adopted (40 CFR 60.7(c)(2)).

(3) The date and time identifying each period during which the continuous monitoring system was inoperative except for zero and span checks, and the nature of the system repairs or adjustments (40 CFR 60.7(c)(3)).

(4) When no excess emissions have occurred or the continuous monitoring system has not been inoperative, repaired, or adjusted, such information shall be stated in the report (40 CFR 60.7(c)(4)).

(5) The owner or operator shall maintain a file of all measurements, including continuous monitoring systems, monitoring devices, and performance testing measurements; all continuous monitoring system performance evaluations; all continuous systems or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and, all other information required by this permit recorded in a permanent form suitable for inspection (40 CFR 60.7)(e)).

d. Annual and quarterly reports shall be submitted to the RESD as per Rule 297.500, F.A.C.

12. Any change in the method of operation, fuels utilized, equipment, or operating hours or any other changes pursuant to Rule 17-212.200, F.A.C., defining modification, shall be submitted for approval to the DEP's Bureau of Air Regulation (BAR).

13. All records of documentation shall be kept on file for a minimum of 3 years pursuant to Rule 17-4.160(4), F.A.C.

14. The permittee is subject to all applicable provisions of Rule 17-210.700, F.A.C., Excess Emissions.

15. The permittee is subject to all applicable provisions of Rule 17-210.650, F.A.C., Circumvention.

16. The permittee is subject to all applicable provisions of Rule 17-4.160, F.A.C., Permit Conditions.

#### B. CBCP - Material Handling and Treatment

1. The material handling and treatment operations, including coal and limestone unloading buildings, coal and limestone reclaim hoppers, coal crusher house, limestone dryers, fly and bed ash silos, ash pelletizer, pellet curing silo, coal and limestone day silos, conveyors, storage areas and related equipment, may be operated continuously, i.e. 8760 hrs/yr, except that the limestone crushers/dryers may be operated for a maximum of 11 hours per day (maximum of 2920 hrs/yr) at maximum capacity.



2. The material handling/usage rates for coal, limestone, fly ash, and bed ash shall not exceed the following:

<u>Material</u>	<u>Handling/Usage Rate</u>	
	<u>TPM</u>	<u>TPY</u>
Coal	117,000	1,170,000
Limestone	27,000	320,000
Fly Ash	28,000	336,000
Bed Ash	8,000	88,000

Note: TPM is tons per month based on 30 consecutive days; and, TPY is tons per year.

3. The VOC emissions, from the maximum No. 2 fuel oil utilization rate of 240 gals/hr. and 700,800 gals/year for the limestone dryers and 8000 gals/hr. and 1,900,000 gals/year for the three boilers, are not expected to be significant.

4. Material handling sources shall be regulated as follows:

a. The material handling and treatment area sources with either fabric filter or baghouse controls are as follows:

Coal Crusher Building	Bed Ash Bin
Coal Silo Conveyor	Fly Ash Bin
Limestone Pulverizer/Conveyor	Pellet Vibratory Screen
Limestone Storage Bin	Pelletizing Ash Recycle Tank
Bed Ash Hopper	Pelletizing Recycle Hopper
Bed Ash Silo	Cured Pellet Recycle Conveyor
Fly Ash Silo	Pellet Recycle Conveyor

The emissions from the above listed sources are subject to the particulate emission limitation requirement of 0.003 gr/dscf (applicant requested limitation which is more stringent than what is allowed by Rule 17.296.711, F.A.C.). Since these sources are RACT standard type, then a one-time verification test on each source shall be required for PM mass emissions to demonstrate that the baghouse control systems can achieve the 0.003 gr/dscf. The performance tests shall be conducted using EPA Method 5 pursuant to Rule 17-297, F.A.C., and 40 CFR 60, Appendix A (July, 1992 version).

b. The PM emissions from the following process, equipment, and/or facility in the material handling and treatment area sources shall be controlled using wet suppression/removal techniques as follows:

Coal Car Unloading  
 Ash Pellet Hydrator  
 Ash Pellet Curing Silo  
 Ash Pelletizing Pan

The above listed sources are subject to a visible emission (VE) and

a particulate matter (PM) emission limitation requirement of 5% opacity and 0.01 gr/dscf (applicant requested limitation, which is more stringent than what is allowed by rule), respectively, in accordance with Rule 17-296.711, F.A.C. Initial and subsequent compliance tests shall be conducted for VE and PM using EPA Methods 9 and 5, respectively, in accordance with Chapter 17-297, F.A.C., and 40 CFR 60, Appendix A (July, 1992 version).

5. Visible Emissions (VE) shall not exceed 5% opacity from any source in the material handling and treatment area listed in Specific Condition II.B.4., in accordance with Rule 17-296.711(2)(a), F.A.C. After the one-time PM mass verification compliance tests have been performed, neither the DEP nor the RESD will require particulate matter mass tests in accordance with EPA Method 5 unless the VE limit of 5% opacity is exceeded for a given source, or unless the DEP or RESD, based on other information, has reason to believe the PM mass emission limits are being violated in accordance with Rule 17-297.620(4), F.A.C.

6. All sources subject to visible emissions and particulate matter mass emissions performance tests shall conduct them concurrently, except where inclement weather interferes.

7. The maximum emissions from each of the limestone dryers while using oil shall not exceed the following (based on AP-42 factors, Table 1, 3-1, Industrial Distillate, 10/86):

Pollutant	lbs/hr.	Limitations	
		TPY	TPY for 2 dryers
PM/PM <sub>10</sub>	0.24	0.32	0.64
SO <sub>2</sub>	0.85	1.15	2.3
CO	0.60	0.81	1.62
NO <sub>x</sub>	2.40	3.25	6.5
VOC	0.05	0.06	0.12

Visible emissions from the dryers shall not exceed 5% opacity.

8. The maximum sulfur content of No. 2 fuel oil shall not exceed 0.05% by weight. The maximum firing rate of No. 2 fuel oil for each limestone dryer shall not exceed 120 gals/hr., or 350,400 gals/year. This reflects a combined total fuel oil firing rate of 240 gals/hr., and 700,800 gals/year, for the two dryers.

9. Initial and annual PM and Visible Emission compliance tests for all the emission points in the material handling and treatment area, including but not limited to the sources specified in this permit, shall be conducted in accordance with the July 1, 1992 version of 40 CFR 60, Appendix A, using EPA Methods 5 and 9, respectively.

10. Compliance test reports shall be submitted to the RESD within 45 days of test completion in accordance with Rule 17-297.570, F.A.C.

11. Any changes in the method of operation, raw materials processed, equipment, or operating hours or any other changes pursuant to Rule 17-212.200, F.A.C., defining modification, shall be submitted for approval to the DEP's BAR.

C. Requirements For the Permittees

1. Beginning one month after certification, CBCP shall submit to the RESD and the DEP's BAR, a quarterly status report briefly outlining progress made on engineering design and purchase of major equipment, including copies of technical data pertaining to the selected emission control devices. These data should include, but not be limited to, guaranteed efficiency and emission rates, and major design parameters such as air/cloth ratio and flow rate. The Department may, upon review of these data, disapprove the use of any such device. Such disapproval shall be issued within 30 days after receipt of the technical data.

2. CBCP shall report any delays in construction and completion of the project which would delay commercial operation by more than 90 days to the RESD office.

3. Reasonable precautions to prevent fugitive particulate emissions during construction, such as coating of roads and construction sites used by contractors, regrassing or watering areas of disturbed soils, will be taken by CBCP. CBCP is subject to all applicable provisions of Rule 17-296.310(3), F.A.C., Unconfined Emissions of Particulate Matter.

4. Fuel shall not be burned in any CFB unit unless the control devices are operating properly, pursuant to 40 CFR Part 60 Subpart Da.

5. The maximum sulfur content of the No. 2 fuel oil utilized in the CFBs and the two unit limestone dryers shall not exceed 0.05% by weight. Samples shall be taken of each fuel oil shipment received and shall be analyzed for sulfur content and heating value. Records of the analyses shall be kept at a minimum of three years to be available for the DEP and RESD inspection.

6. Coal fired in the CFBs shall have a sulfur content not to exceed 1.7% by weight on a shipment (train load) basis. Coal sulfur content shall be determined and recorded in accordance with 40 CFR 60.47a.

7. CBC shall maintain a daily log of the amounts and types of fuel used and copies of fuel analyses containing information on sulfur content and heating values.

8. CBCP shall provide stack sampling facilities as required by Rule 17-297.345, F.A.C.

9. Prior to commercial operation of each source, the permittee shall submit to the DEP's BAR a standardized plan or procedure that will allow the permittee to monitor emission control equipment efficiency and enable the permittee to return malfunctioning equipment to proper operation as expeditiously as possible.

10. All CBCP records of documentation shall be kept on file for a minimum of three years pursuant to Rule 17-4.160(14), F.A.C.

D. Contemporaneous Emission Reductions

The following Seminole Kraft Corporation (SKC) sources shall be permanently shut down and made incapable of operation, and shall turn in their operation permits to the DEP's BAR, within 30 days of written confirmation by the DEP of the successful completion of the initial compliance tests on the CBCP boilers: the No. 1 PB (power boiler), the No. 2 PB, the No. 3 PB, the No. 1 BB (bark boiler), and the No. 2 BB. The RESD shall be specifically informed in writing within thirty days after each individual shut down of the above referenced equipment. This requirement shall operate as a joint and individual requirement to assure common control for purpose of ensuring that all commitments relied on are in fact fulfilled.

E. Modification of Specific Conditions

The Specific Conditions of this permit may be modified in the following manner:

1. Through the May 11, 1993 Modification of Certification, the Board, which means the Governor and Cabinet, delegated to the Secretary of the DEP the authority to modify, after notice and opportunity for hearing, any conditions pertaining to consumptive use of water, reclaimed water, monitoring, sampling, ground water, surface water, mixing zones, or variances to water quality standards, zones of discharge, leachate control programs, effluent limitations, air emission limitations, fuel, or solid waste disposal, right of entry, railroad spur transmission line, access road, pipelines, or designation of agents for the purpose of enforcing the conditions of this permit.

2. All other modifications shall be made in accordance with Section 403.516, F.S.

### III. Attachments

1. Power Plant Site Certification package PA 88-24 and its associated attachments dated January 19, 1990.
2. Letter from EPA dated March 27, 1991.
3. DER's Final Determination dated March 28, 1991.
4. Letter from DOI dated December 24, 1992.
5. Settlement Stipulation dated April 13, 1993, in re: Power Plant Site Certification of Cedar Bay Cogeneration Project, PA-88-24(A), DOAH Case No. 88-5740, OGC Case No. 88-1089.
6. Final Order approving Modification of Certification dated May 11, 1993, in re: Power Plant Site Certification of Cedar Bay Cogeneration Project, PA-88-24A, DOAH Case No. 88-5740, OGC Case No. 88-1089.
7. DEP's Final Determination dated September 24, 1993.



**PG&E National  
Energy Group™**

Cedar Bay  
Generating Plant  
Owner: Cedar Bay Generating Company, L.P.

RECEIVED

OCT 26 2001

BUREAU OF AIR REGULATION

POB 26324  
Jacksonville, FL 32226-6324

904.751.4000  
Fax: 904.751.7320

October 25, 2001

Clair H. Fancy, Chief  
Bureau of Air Regulation  
Florida Department of Environmental Protection  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, FL 32399-2400

RE: Request to Modify PSD Permit (PSD-FL-137) To Allow Installation of Pug Mill for  
Ash Loading at Cedar Bay Cogeneration Facility

Dear Mr. Fancy:

On behalf of Cedar Bay Generating Company, L.P. (Cedar Bay), I have enclosed an original and three copies of an Application for Air Permit – Title V Source (Form 62-210.900(1)) and supporting documentation for Cedar Bay's request for approval to install and operate a pug mill associated with ash handling and to amend the monthly and annual throughput for coal and limestone.

Pug Mill Installation

Cedar Bay wishes to improve the flexibility for fly ash handling at, and transportation from, the site with the installation of a pug mill. The pug mill is an apparatus that will mix water with the ash to improve handling and ultimately reduce fugitive emissions. The equipment mixes ash with water in an enclosed system and will be located beneath the existing fly ash silo.

Cedar Bay has previously informed the Department that the coal supplier, Lodestar, has filed for protection under Chapter 11 of the Bankruptcy Code. Under Chapter 11 of the Bankruptcy Code, Lodestar petitioned the court to terminate its contract with Cedar Bay for economic reasons and the petition has been granted. Lodestar also provided ash disposal as part of its contract. Installation of the pug mill will facilitate disposal of ash in a Class I landfill as a backup to Lodestar. Cedar Bay has a contract in place that would allow approximately 50% of the ash to be processed for beneficial uses. Cedar Bay also has negotiated a contract for the disposal of ash in a Class I landfill, and negotiations continue for other beneficial use options.

Something,

How about processing this as? non-BSO.

Logged 11/1

Comple. Rev. by 11/25 check + Fugitive PM.

SrH  
10K9

Coal and Limestone Throughput

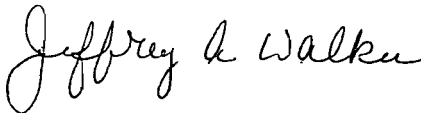
Cedar Bay has recognized that the current throughput limitations for coal and limestone do not allow sufficient material handling capacity to allow the facility to weather catastrophic events or business interruptions. Cedar Bay previously requested the Department to modify the PSD permit to alter the throughput limits for coal and limestone, along with other permit conditions. At that time, however, the focus was on the changes to the SO<sub>2</sub> limits, and throughput limits for coal and limestone were not accomplished in the issuance of PSD-FL-137D. However, the Conditions of Certification were modified to reflect the changes requested.

Request for Expeditious Review

With respect to the pug mill installation, we would greatly appreciate an expedited review and permit modification to support continued operation of Cedar Bay due to the termination of the Lodestar contract. We would be happy to answer any questions that the Department may have about the Facility or this application. If you have questions about the Facility, please contact Mr. Jeff Walker, our Environmental Manager, at 904-751-4000 x22. If you have questions about the application, you may wish to contact Mr. Ken Kosky, our consultant, at 352-336-5600 or Mr. David Dee, our environmental counsel, at 850-681-0311.

We look forward to working with you and the other members of the Department on this project.

Sincerely,



for. Bruce Smith, General Manager  
Cedar Bay Generating Company, LP

Cc: A.A Linero, DEP (w/o enclosures)  
Scott Gorland, DEP (w/o enclosures)  
Ernest Frye, DEP NE District (w/o enclosures)  
Steve Pace, Jacksonville RESD (w/ enclosures)  
Hamilton S. Oven, Jr. (w/o enclosures)  
Ken Kosky (w/ enclosures)  
David Dee (w/ enclosures)

Bc: W/o enclosures:  
J. Gasbarro  
S. Sorrentino



October 25, 2001

Page 3

J. Tanselle  
P. Hartwell  
M. Carney  
V. Gill  
F. Stallwood

W/ enclosures:  
B. DeHart  
M. Golden  
J. Walker

**APPLICATION FOR INCREASE  
IN ANNUAL/MONTHLY  
COAL AND LIMESTONE PRODUCTION RATES  
AND INSTALLATION OF PUG MILL FOR  
ASH HANDLING FACILITIES**

**CEDAR BAY COGENERATION FACILITY  
JACKSONVILLE, FLORIDA**

**Prepared For:  
Cedar Bay Generating Company, L.P.  
9640 Eastport Road  
Jacksonville, Florida 32218**

**Prepared By:  
Golder Associates Inc.  
6241 NW 23rd Street, Suite 500  
Gainesville, Florida 32653-1500**

**October 2001  
0137573**

**DISTRIBUTION:  
6 Copies - Cedar Bay  
1 Copy - Golder Associates Inc.**

PART I



# Department of Environmental Protection

## Division of Air Resources Management

### APPLICATION FOR AIR PERMIT - TITLE V SOURCE

See Instructions for Form No. 62-210.900(1)

#### I. APPLICATION INFORMATION

##### Identification of Facility

1. Facility Owner/Company Name: <b>Cedar Bay Generating Company, L.P.</b>	
2. Site Name: <b>Cedar Bay Cogeneration Facility</b>	
3. Facility Identification Number: <b>0310337</b> [ ] Unknown	
4. Facility Location: <b>U.S. Generating Cedar Bay Facility</b> Street Address or Other Locator: <b>9640 Eastport Road</b> City: <b>Jacksonville</b> County: <b>Duval</b> Zip Code: <b>32226</b>	
5. Relocatable Facility? [ ] Yes      [X] No	6. Existing Permitted Facility? [X] Yes      [ ] No

##### Application Contact

1. Name and Title of Application Contact: <b>Jeffery Walker, Environmental Manager</b>	
2. Application Contact Mailing Address: Organization/Firm: <b>U.S. Generating Company</b> Street Address: <b>9640 Eastport Road (PO Box 26324 Zip Code: 32226-6324)</b> City: <b>Jacksonville</b> State: <b>FL</b> Zip Code: <b>32218</b>	
3. Application Contact Telephone Numbers: Telephone: <b>( 904 ) 751-4000, Ext. 22</b> Fax: <b>( 904 ) 751-7320</b>	

##### Application Processing Information (DEP Use)

1. Date of Receipt of Application:	
2. Permit Number:	
3. PSD Number (if applicable):	
4. Siting Number (if applicable):	

**Purpose of Application**

**Air Operation Permit Application**

This Application for Air Permit is submitted to obtain: (Check one)

Initial Title V air operation permit for an existing facility which is classified as a Title V source.

Initial Title V air operation permit for a facility which, upon start up of one or more newly constructed or modified emissions units addressed in this application, would become classified as a Title V source.

Current construction permit number: \_\_\_\_\_

Title V air operation permit revision to address one or more newly constructed or modified emissions units addressed in this application.

Current construction permit number: \_\_\_\_\_

Operation permit number to be revised: \_\_\_\_\_

Title V air operation permit revision or administrative correction to address one or more proposed new or modified emissions units and to be processed concurrently with the air construction permit application. (Also check Air Construction Permit Application below.)

Operation permit number to be revised/corrected: \_\_\_\_\_

Title V air operation permit revision for reasons other than construction or modification of an emissions unit. Give reason for the revision; e.g., to comply with a new applicable requirement or to request approval of an "Early Reductions" proposal.

Operation permit number to be revised: \_\_\_\_\_

Reason for revision: \_\_\_\_\_

**Air Construction Permit Application**

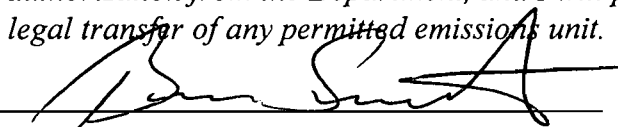
This Application for Air Permit is submitted to obtain: (Check one)

Air construction permit to construct or modify one or more emissions units.

Air construction permit to make federally enforceable an assumed restriction on the potential emissions of one or more existing, permitted emissions units.

Air construction permit for one or more existing, but unpermitted, emissions units.

**Owner/Authorized Representative or Responsible Official**

1. Name and Title of Owner/Authorized Representative or Responsible Official: <b>Bruce Smith, General Manager</b>
2. Owner/Authorized Representative or Responsible Official Mailing Address: Organization/Firm: <b>Cedar Bay Generating Company</b> Street Address: <b>P.O. Box 26324</b> City: <b>Jacksonville</b> State: <b>FL</b> Zip Code: <b>32226-6324</b>
3. Owner/Authorized Representative or Responsible Official Telephone Numbers: Telephone: <b>( 904 ) 751-4000, Ext. 18</b> Fax: <b>( 904 ) 751-7320</b>
4. Owner/Authorized Representative or Responsible Official Statement: <i>I, the undersigned, am the owner or authorized representative*(check here [ X ], if so) or the responsible official (check here [ ], if so) of the Title V source addressed in this application, whichever is applicable. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. The air pollutant emissions units and air pollution control equipment described in this application will be operated and maintained 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 understand that a permit, if granted by the Department, cannot be transferred without authorization from the Department, and I will promptly notify the Department upon sale or legal transfer of any permitted emissions unit.</i>  Signature <u>10/23/01</u> Date

\* Attach letter of authorization if not currently on file.

**Professional Engineer Certification**

1. Professional Engineer Name: <b>Kennard F. Kosky</b> Registration Number: <b>14996</b>
2. Professional Engineer Mailing Address: Organization/Firm: <b>Golder Associates Inc.</b> Street Address: <b>6241 NW 23rd Street, Suite 500</b> City: <b>Gainesville</b> State: <b>FL</b> Zip Code: <b>32653-1500</b>
3. Professional Engineer Telephone Numbers: Telephone: <b>( 352 ) 336 - 5600</b> Fax: <b>( 352 ) 336 - 6603</b>

4. Professional Engineer Statement:

*I, the undersigned, hereby certify, except as particularly noted herein\*, that:*

*(1) To the best of my knowledge, there is reasonable assurance that the air pollutant emissions unit(s) and the air pollution control equipment described in this Application for Air Permit, when properly operated and maintained, will comply with all applicable standards for control of air pollutant emissions found in the Florida Statutes and rules of the Department of Environmental Protection; and*

*(2) To the best of my knowledge, any emission estimates reported or relied on in this application are true, accurate, and complete and are either based upon reasonable techniques available for calculating emissions or, for emission estimates of hazardous air pollutants not regulated for an emissions unit addressed in this application, based solely upon the materials, information and calculations submitted with this application.*

*If the purpose of this application is to obtain a Title V source air operation permit (check here [ ], if so), I further certify that each emissions unit described in this Application for Air Permit, when properly operated and maintained, will comply with the applicable requirements identified in this application to which the unit is subject, except those emissions units for which a compliance schedule is submitted with this application.*

*If the purpose of this application is to obtain an air construction permit for one or more proposed new or modified emissions units (check here [ X ], if so), I further certify that the engineering features of each such emissions unit described in this application have been designed or examined by me or individuals under my direct supervision and found to be in conformity with sound engineering principles applicable to the control of emissions of the air pollutants characterized in this application.*

*If the purpose of this application is to obtain an initial air operation permit or operation permit revision for one or more newly constructed or modified emissions units (check here [ ], if so), I further certify that, with the exception of any changes detailed as part of this application, each such emissions unit has been constructed or modified in substantial accordance with the information given in the corresponding application for air construction permit and with all provisions contained in such permit.*

*Herbert J. Kelly*

Signature

*October 19, 2001*

Date

(seal)

\*Attach any exception to certification statement.

**Scope of Application**

<b>Emissions Unit ID</b>	<b>Description of Emissions Unit</b>	<b>Permit Type</b>	<b>Processing Fee</b>
--	Coal Unloading and Storage	AF2C	NA
--	Limestone Unloading and Storage	AF2C	NA
--	Ash Pug Mill	AC1F	NA

**Application Processing Fee**

Check one:  Attached - Amount: \$: \_\_\_\_\_  Not Applicable



**Construction/Modification Information**

1. Description of Proposed Project or Alterations:

**Applicant is seeking authorization to install a pug mill as part of the existing ash handling system. Refer to Part II.**

2. Projected or Actual Date of Commencement of Construction **1 DEC 2001**

3. Projected Date of Completion of Construction: **1 DEC 2002**

**Application Comment**

**This application is a request to increase the monthly and annual amounts of coal and limestone/aragonite currently authorized for the facility in PSD-FL-137.**



**Facility Regulatory Classifications**

**Check all that apply:**

1. <input type="checkbox"/> Small Business Stationary Source?	<input type="checkbox"/> Unknown
2. <input checked="" type="checkbox"/> Major Source of Pollutants Other than Hazardous Air Pollutants (HAPs)?	
3. <input type="checkbox"/> Synthetic Minor Source of Pollutants Other than HAPs?	
4. <input checked="" type="checkbox"/> Major Source of Hazardous Air Pollutants (HAPs)?	
5. <input type="checkbox"/> Synthetic Minor Source of HAPs?	
6. <input checked="" type="checkbox"/> One or More Emissions Units Subject to NSPS?	
7. <input type="checkbox"/> One or More Emission Units Subject to NESHAP?	
8. <input type="checkbox"/> Title V Source by EPA Designation?	
9. Facility Regulatory Classifications Comment (limit to 200 characters):	

**List of Applicable Regulations**

<b>The applicable facility regulation contained in the Title V permit will not change as a result of this application.</b>

## B. FACILITY POLLUTANTS

### List of Pollutants Emitted

1. Pollutant Emitted	2. Pollutant Classif.	3. Requested Emissions Cap		4. Basis for Emissions Cap	5. Pollutant Comment
		lb/hour	tons/year		
PM	A				Particulate Matter – Total
PM <sub>10</sub>	A				Particulate Matter – PM <sub>10</sub>
NO <sub>x</sub>	A				Nitrogen Oxides
SO <sub>2</sub>	A				Sulfur Dioxide
CO	A				Carbon Monoxide
VOC	A				Volatile Organic Compounds
SAM	B				Sulfuric Acid Mist

### C. FACILITY SUPPLEMENTAL INFORMATION

#### Supplemental Requirements

1. Area Map Showing Facility Location: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
2. Facility Plot Plan: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
3. Process Flow Diagram(s): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
4. Precautions to Prevent Emissions of Unconfined Particulate Matter: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
5. Fugitive Emissions Identification: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
6. Supplemental Information for Construction Permit Application: <input checked="" type="checkbox"/> Attached, Document ID: <u>See Part II</u> <input type="checkbox"/> Not Applicable
7. Supplemental Requirements Comment:

**Additional Supplemental Requirements for Title V Air Operation Permit Applications**

8. List of Proposed Insignificant Activities: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
9. List of Equipment/Activities Regulated under Title VI: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Equipment/Activities On site but Not Required to be Individually Listed <input checked="" type="checkbox"/> Not Applicable
10. Alternative Methods of Operation: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
11. Alternative Modes of Operation (Emissions Trading): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
12. Identification of Additional Applicable Requirements: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
13. Risk Management Plan Verification: <input type="checkbox"/> Plan previously submitted to Chemical Emergency Preparedness and Prevention Office (CEPPO). Verification of submittal attached (Document ID: _____) or previously submitted to DEP (Date and DEP Office: _____) <input type="checkbox"/> Plan to be submitted to CEPPO (Date required: _____) <input checked="" type="checkbox"/> Not Applicable
14. Compliance Report and Plan: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
15. Compliance Certification (Hard-copy Required): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

**III. EMISSIONS UNIT INFORMATION**

A separate Emissions Unit Information Section (including subsections A through J as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

**A. GENERAL EMISSIONS UNIT INFORMATION  
(All Emissions Units)**

**Emissions Unit Description and Status**

<p>1. Type of Emissions Unit Addressed in This Section: (Check one)</p> <p><input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).</p> <p><input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.</p> <p><input checked="" type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.</p>			
<p>2. Regulated or Unregulated Emissions Unit? (Check one)</p> <p><input checked="" type="checkbox"/> The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.</p> <p><input type="checkbox"/> The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.</p>			
<p>3. Description of Emissions Unit Addressed in This Section (limit to 60 characters): <b>Coal unloading and conveyors associated with unloading and storage.</b></p>			
<p>4. Emissions Unit Identification Number: ID: <b>020</b></p>		<p><input type="checkbox"/> No ID <input type="checkbox"/> ID Unknown</p>	
<p>5. Emissions Unit Status Code: <b>C</b></p>	<p>6. Initial Startup Date: <b>25 JAN 1994</b></p>	<p>7. Emissions Unit Major Group SIC Code: <b>49</b></p>	<p>8. Acid Rain Unit? <input type="checkbox"/></p>
<p>9. Emissions Unit Comment: (Limit to 500 Characters)</p> <p><b>Emission unit consists of coal unloading, stock-out conveyors, and storage.</b></p>			

**Emissions Unit Control Equipment**

1. Control Equipment/Method Description (Limit to 200 characters per device or method):

**Water spraying as needed to reduce fugitive dust emissions.**

**Coal unloading by rail and conveyors are enclosed.**

2. Control Device or Method Code(s): **054, 061**

**Emissions Unit Details**

1. Package Unit: <b>NA</b>	
Manufacturer:	Model Number:
2. Generator Nameplate Rating:	<b>MW</b>
3. Incinerator Information:	
Dwell Temperature:	°F
Dwell Time:	seconds
Incinerator Afterburner Temperature:	°F



**B. EMISSIONS UNIT CAPACITY INFORMATION  
(Regulated Emissions Units Only)**

**Emissions Unit Operating Capacity and Schedule**

1. Maximum Heat Input Rate:		mmBtu/hr
2. Maximum Incineration Rate:	lb/hr	tons/day
3. Maximum Process or Throughput Rate:	<b>1,287,000 tons/yr</b>	
4. Maximum Production Rate:		
5. Requested Maximum Operating Schedule:		
	<b>24</b> hours/day	<b>7</b> days/week
	<b>52</b> weeks/year	<b>8,760</b> hours/year
6. Operating Capacity/Schedule Comment (limit to 200 characters):		
	<b>Maximum throughput rate requested. Monthly throughput rate is 234,000 tons/month. See Part II.</b>	



**D. EMISSION POINT (STACK/VENT) INFORMATION  
(Regulated Emissions Units Only)**

**Emission Point Description and Type**

1. Identification of Point on Plot Plan or Flow Diagram? <b>See Part II</b>		2. Emission Point Type Code: <b>4</b>	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):  <b>Fugitive emissions from coal unloading, associated conveyors, and storage.</b>			
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:			
5. Discharge Type Code: <b>F</b>	6. Stack Height:  feet	7. Exit Diameter:  feet	
8. Exit Temperature:  °F	9. Actual Volumetric Flow Rate:  acfm	10. Water Vapor:  %	
11. Maximum Dry Standard Flow Rate:  dscfm		12. Nonstack Emission Point Height:  feet	
13. Emission Point UTM Coordinates:  Zone:                      East (km):                      North (km):			
14. Emission Point Comment (limit to 200 characters):  <b>Points of emission include coal unloading, stock-out conveyors, and storage. See Part II.</b>			

**E. SEGMENT (PROCESS/FUEL) INFORMATION**  
**(All Emissions Units)**

**Segment Description and Rate:** Segment 1 of 1

1. Segment Description (Process/Fuel Type) (limit to 500 characters):  <b>Coal, Mineral Products -- Bulk materials unloading operation</b>		
2. Source Classification Code (SCC): <b>3-05-104-03</b>		3. SCC Units: <b>Tons processed</b>
4. Maximum Hourly Rate: <b>NA</b>	5. Maximum Annual Rate: <b>1,287,000</b>	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: <b>NA</b>	8. Maximum % Ash: <b>NA</b>	9. Million Btu per SCC Unit:
10. Segment Comment (limit to 200 characters):  <b>No change in hourly rates. Monthly maximum is 234,000 tons. See Part II.</b>		

**Segment Description and Rate:** Segment      of     

1. Segment Description (Process/Fuel Type) (limit to 500 characters):		
2. Source Classification Code (SCC):		3. SCC Units:
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment (limit to 200 characters):		



**G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**  
**(Regulated Emissions Units -**  
**Emissions-Limited and Preconstruction Review Pollutants Only)**

**Potential/Fugitive Emissions**

1. Pollutant Emitted: <b>PM (TSP)</b>	2. Total Percent Efficiency of Control: <b>70</b>
3. Potential Emissions: lb/hour <b>0.3</b> tons/year	4. Synthetically Limited? [ ]
5. Range of Estimated Fugitive Emissions: [ ] 1 [ ] 2 [ ] 3 _____ to _____ tons/year	
6. Emission Factor: <b>See Part II</b> Reference:	7. Emissions Method Code: <b>3</b>
8. Calculation of Emissions (limit to 600 characters):  <b>See Part II.</b>	
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):	

**Allowable Emissions** Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: <b>OTHER</b>	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units: <b>Work Practice</b>	4. Equivalent Allowable Emissions: lb/hour <b>0.3</b> tons/year
5. Method of Compliance (limit to 60 characters):  <b>Enclosures and water spraying as needed.</b>	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):	

**G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**  
**(Regulated Emissions Units -**  
**Emissions-Limited and Preconstruction Review Pollutants Only)**

**Potential/Fugitive Emissions**

1. Pollutant Emitted: <b>PM<sub>10</sub></b>		2. Total Percent Efficiency of Control: <b>70</b>	
3. Potential Emissions: lb/hour <b>0.166</b> tons/year		4. Synthetically Limited? [ ]	
5. Range of Estimated Fugitive Emissions: [ ] 1 [ ] 2 [ ] 3 _____ to _____ tons/year			
6. Emission Factor: <b>See Part II</b> Reference:		7. Emissions Method Code: <b>3</b>	
8. Calculation of Emissions (limit to 600 characters):  <b>See Part II</b>			
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):			

**Allowable Emissions** Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: <b>OTHER</b>		2. Future Effective Date of Allowable Emissions:	
3. Requested Allowable Emissions and Units: <b>Work Practice</b>		4. Equivalent Allowable Emissions: lb/hour <b>0.166</b> tons/year	
5. Method of Compliance (limit to 60 characters):  <b>Water spraying as needed.</b>			
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):			

**H. VISIBLE EMISSIONS INFORMATION**  
 (Only Regulated Emissions Units Subject to a VE Limitation)

**Visible Emissions Limitation:** Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype:	2. Basis for Allowable Opacity: [ <input checked="" type="checkbox"/> ] Rule [ <input type="checkbox"/> ] Other
3. Requested Allowable Opacity: Normal Conditions: <b>20</b> % Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour	
4. Method of Compliance:	
5. Visible Emissions Comment (limit to 200 characters):  <b>Rule 62-296.320(4)(b)1. F.A.C.</b>	

**I. CONTINUOUS MONITOR INFORMATION**  
 (Only Regulated Emissions Units Subject to Continuous Monitoring)

**Continuous Monitoring System:** Continuous Monitor \_\_\_\_\_ of \_\_\_\_\_

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	[ <input type="checkbox"/> ] Rule [ <input type="checkbox"/> ] Other
4. Monitor Information: Manufacturer: _____ Model Number: _____ Serial Number: _____	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment (limit to 200 characters):	



**J. EMISSIONS UNIT SUPPLEMENTAL INFORMATION**  
(Regulated Emissions Units Only)

**Supplemental Requirements**

1. Process Flow Diagram [ ] Attached, Document ID: _____ [ <b>X</b> ] Not Applicable [ ] Waiver Requested
2. Fuel Analysis or Specification [ ] Attached, Document ID: _____ [ <b>X</b> ] Not Applicable [ ] Waiver Requested
3. Detailed Description of Control Equipment [ ] Attached, Document ID: _____ [ <b>X</b> ] Not Applicable [ ] Waiver Requested
4. Description of Stack Sampling Facilities [ ] Attached, Document ID: _____ [ <b>X</b> ] Not Applicable [ ] Waiver Requested
5. Compliance Test Report [ ] Attached, Document ID: _____ [ ] Previously submitted, Date: _____ [ <b>X</b> ] Not Applicable
6. Procedures for Startup and Shutdown [ ] Attached, Document ID: _____ [ <b>X</b> ] Not Applicable [ ] Waiver Requested
7. Operation and Maintenance Plan [ ] Attached, Document ID: _____ [ <b>X</b> ] Not Applicable [ ] Waiver Requested
8. Supplemental Information for Construction Permit Application [ <b>X</b> ] Attached, Document ID: <u>See Part II</u> [ ] Not Applicable
9. Other Information Required by Rule or Statute [ <b>X</b> ] Attached, Document ID: <u>See Part II</u> [ ] Not Applicable
10. Supplemental Requirements Comment:

**Additional Supplemental Requirements for Title V Air Operation Permit Applications**

11. Alternative Methods of Operation [ ] Attached, Document ID: _____ [ X ] Not Applicable
12. Alternative Modes of Operation (Emissions Trading) [ ] Attached, Document ID: _____ [ X ] Not Applicable
13. Identification of Additional Applicable Requirements [ ] Attached, Document ID: _____ [ X ] Not Applicable
14. Compliance Assurance Monitoring Plan [ ] Attached, Document ID: _____ [ X ] Not Applicable
15. Acid Rain Part Application (Hard-copy Required) [ ] Acid Rain Part - Phase II (Form No. 62-210.900(1)(a)) Attached, Document ID: _____ [ ] Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID: _____ [ ] New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID: _____ [ ] Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID: _____ [ ] Phase II NOx Compliance Plan (Form No. 62-210.900(1)(a)4.) Attached, Document ID: _____ [ ] Phase NOx Averaging Plan (Form No. 62-210.900(1)(a)5.) Attached, Document ID: _____ [ X ] Not Applicable

**III. EMISSIONS UNIT INFORMATION**

A separate Emissions Unit Information Section (including subsections A through J as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

**A. GENERAL EMISSIONS UNIT INFORMATION  
(All Emissions Units)**

**Emissions Unit Description and Status**

<p>1. Type of Emissions Unit Addressed in This Section: (Check one)</p> <p><input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).</p> <p><input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.</p> <p><input checked="" type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.</p>			
<p>2. Regulated or Unregulated Emissions Unit? (Check one)</p> <p><input checked="" type="checkbox"/> The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.</p> <p><input type="checkbox"/> The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.</p>			
<p>3. Description of Emissions Unit Addressed in This Section (limit to 60 characters): <b>Limestone unloading and storage.</b></p>			
<p>4. Emissions Unit Identification Number: ID:</p>		<p><input checked="" type="checkbox"/> No ID <input type="checkbox"/> ID Unknown</p>	
<p>5. Emissions Unit Status Code: <b>C</b></p>	<p>6. Initial Startup Date: <b>25 JAN 1994</b></p>	<p>7. Emissions Unit Major Group SIC Code: <b>49</b></p>	<p>8. Acid Rain Unit? <input type="checkbox"/></p>
<p>9. Emissions Unit Comment: (Limit to 500 Characters)</p> <p><b>Emission unit consists of limestone unloading and storage.</b></p>			

**Emissions Unit Control Equipment**

1. Control Equipment/Method Description (Limit to 200 characters per device or method):

Watering of paved and unpaved roads.

2. Control Device or Method Code(s): **061**

**Emissions Unit Details**

1. Package Unit: **NA**

Manufacturer:

Model Number:

2. Generator Nameplate Rating:

MW

3. Incinerator Information:

Dwell Temperature:

°F

Dwell Time:

seconds

Incinerator Afterburner Temperature:

°F

**B. EMISSIONS UNIT CAPACITY INFORMATION  
(Regulated Emissions Units Only)**

**Emissions Unit Operating Capacity and Schedule**

1. Maximum Heat Input Rate:	mmBtu/hr
2. Maximum Incineration Rate:	lb/hr                      tons/day
3. Maximum Process or Throughput Rate:	<b>347,000 tons/hr</b>
4. Maximum Production Rate:	
5. Requested Maximum Operating Schedule:	
	<b>24</b> hours/day <b>7</b> days/week
	<b>52</b> weeks/year <b>8,760</b> hours/year
6. Operating Capacity/Schedule Comment (limit to 200 characters):	
	<b>Maximum throughput rate requested. Monthly throughput rate is 54,000 tons. See Part II.</b>



**D. EMISSION POINT (STACK/VENT) INFORMATION**  
**(Regulated Emissions Units Only)**

**Emission Point Description and Type**

1. Identification of Point on Plot Plan or Flow Diagram? <b>See Part II</b>		2. Emission Point Type Code: <b>4</b>	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):  <b>Fugitive emissions from limestone unloading and storage.</b>			
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:			
5. Discharge Type Code: <b>F</b>	6. Stack Height:  feet	7. Exit Diameter:  feet	
8. Exit Temperature:  °F	9. Actual Volumetric Flow Rate:  acfm	10. Water Vapor:  %	
11. Maximum Dry Standard Flow Rate:  dscfm		12. Nonstack Emission Point Height:  feet	
13. Emission Point UTM Coordinates:  Zone:                      East (km):                      North (km):			
14. Emission Point Comment (limit to 200 characters):  <b>Points of emission include limestone unloading and storage. See Part II.</b>			

**E. SEGMENT (PROCESS/FUEL) INFORMATION**  
**(All Emissions Units)**

**Segment Description and Rate:** Segment  1  of  1

1. Segment Description (Process/Fuel Type) (limit to 500 characters):  <b>Limestone, Mineral Products -- Bulk materials unloading operation</b>		
2. Source Classification Code (SCC): <b>3-05-104-05</b>	3. SCC Units: <b>Tons processed</b>	
4. Maximum Hourly Rate:	5. Maximum Annual Rate: <b>347,000</b>	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment (limit to 200 characters):  <b>No change in hourly rates. Monthly maximum is 54,000 tons. See Part II.</b>		

**Segment Description and Rate:** Segment   of

1. Segment Description (Process/Fuel Type) (limit to 500 characters):		
2. Source Classification Code (SCC):	3. SCC Units:	
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment (limit to 200 characters):		







**G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**  
**(Regulated Emissions Units -**  
**Emissions-Limited and Preconstruction Review Pollutants Only)**

**Potential/Fugitive Emissions**

1. Pollutant Emitted: <b>PM<sub>10</sub></b>	2. Total Percent Efficiency of Control: <b>70</b>
3. Potential Emissions: lb/hour <b>0.022</b> tons/year	4. Synthetically Limited? [ ]
5. Range of Estimated Fugitive Emissions: [ ] 1 [ ] 2 [ ] 3 _____ to _____ tons/year	
6. Emission Factor: <b>See Part II</b> Reference:	7. Emissions Method Code: <b>3</b>
8. Calculation of Emissions (limit to 600 characters):  <b>See Part II</b>	
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):	

**Allowable Emissions** Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: <b>OTHER</b>	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units: <b>Work Practice</b>	4. Equivalent Allowable Emissions: lb/hour <b>0.022</b> tons/year
5. Method of Compliance (limit to 60 characters):  <b>Water spraying as needed.</b>	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):	

**H. VISIBLE EMISSIONS INFORMATION**  
**(Only Regulated Emissions Units Subject to a VE Limitation)**

**Visible Emissions Limitation:** Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype:	2. Basis for Allowable Opacity: [ <input checked="" type="checkbox"/> ] Rule [ <input type="checkbox"/> ] Other
3. Requested Allowable Opacity: Normal Conditions: <u>20</u> % Exceptional Conditions: _____ % Maximum Period of Excess Opacity Allowed: _____ min/hour	
4. Method of Compliance:	
5. Visible Emissions Comment (limit to 200 characters):  Rule 62-296.320(4)(b)1. F.A.C.	

**I. CONTINUOUS MONITOR INFORMATION**  
**(Only Regulated Emissions Units Subject to Continuous Monitoring)**

**Continuous Monitoring System:** Continuous Monitor \_\_\_\_\_ of \_\_\_\_\_

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	[ <input type="checkbox"/> ] Rule [ <input type="checkbox"/> ] Other
4. Monitor Information: Manufacturer: _____ Model Number: _____ Serial Number: _____	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment (limit to 200 characters):	

**J. EMISSIONS UNIT SUPPLEMENTAL INFORMATION  
(Regulated Emissions Units Only)****Supplemental Requirements**

1. Process Flow Diagram [ ] Attached, Document ID: _____ [ X ] Not Applicable [ ] Waiver Requested
2. Fuel Analysis or Specification [ ] Attached, Document ID: _____ [ X ] Not Applicable [ ] Waiver Requested
3. Detailed Description of Control Equipment [ ] Attached, Document ID: _____ [ X ] Not Applicable [ ] Waiver Requested
4. Description of Stack Sampling Facilities [ ] Attached, Document ID: _____ [ X ] Not Applicable [ ] Waiver Requested
5. Compliance Test Report [ ] Attached, Document ID: _____ [ ] Previously submitted, Date: _____ [ X ] Not Applicable
6. Procedures for Startup and Shutdown [ ] Attached, Document ID: _____ [ X ] Not Applicable [ ] Waiver Requested
7. Operation and Maintenance Plan [ ] Attached, Document ID: _____ [ X ] Not Applicable [ ] Waiver Requested
8. Supplemental Information for Construction Permit Application [ X ] Attached, Document ID: <u>See Part II</u> [ ] Not Applicable
9. Other Information Required by Rule or Statute [ X ] Attached, Document ID: <u>See Part II</u> [ ] Not Applicable
10. Supplemental Requirements Comment:

**Additional Supplemental Requirements for Title V Air Operation Permit Applications**

11. Alternative Methods of Operation [ ] Attached, Document ID: _____ [ X ] Not Applicable
12. Alternative Modes of Operation (Emissions Trading) [ ] Attached, Document ID: _____ [ X ] Not Applicable
13. Identification of Additional Applicable Requirements [ ] Attached, Document ID: _____ [ X ] Not Applicable
14. Compliance Assurance Monitoring Plan [ ] Attached, Document ID: _____ [ X ] Not Applicable
15. Acid Rain Part Application (Hard-copy Required) [ ] Acid Rain Part - Phase II (Form No. 62-210.900(1)(a)) Attached, Document ID: _____ [ ] Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID: _____ [ ] New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID: _____ [ ] Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID: _____ [ ] Phase II NOx Compliance Plan (Form No. 62-210.900(1)(a)4.) Attached, Document ID: _____ [ ] Phase NOx Averaging Plan (Form No. 62-210.900(1)(a)5.) Attached, Document ID: _____ [ X ] Not Applicable

### III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through J as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

#### A. GENERAL EMISSIONS UNIT INFORMATION (All Emissions Units)

##### Emissions Unit Description and Status

1. Type of Emissions Unit Addressed in This Section: (Check one)			
[ ] This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).			
[ ] This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.			
[ X ] This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.			
2. Regulated or Unregulated Emissions Unit? (Check one)			
[ X ] The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.			
[ ] The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.			
3. Description of Emissions Unit Addressed in This Section (limit to 60 characters): <b>Pug Mill associated with Ash Handling.</b>			
4. Emissions Unit Identification Number: ID:		[ ] No ID [ X ] ID Unknown	
5. Emissions Unit Status Code: <b>C</b>	6. Initial Startup Date:	7. Emissions Unit Major Group SIC Code: <b>49</b>	8. Acid Rain Unit? [ ]

9. Emissions Unit Comment: (Limit to 500 Characters)

**Emission unit consists of Pug Mill.**



**Emissions Unit Control Equipment**

1. Control Equipment/Method Description (Limit to 200 characters per device or method):

**Enclosed Pug Mill using uniform water spraying to control fugitive dust emissions.**

2. Control Device or Method Code(s): **054, 061**

**Emissions Unit Details**

1. Package Unit:

Manufacturer: **United Conveyor Corporation** Model Number:

2. Generator Nameplate Rating:

MW

3. Incinerator Information:

Dwell Temperature: °F

Dwell Time: seconds

Incinerator Afterburner Temperature: °F

**B. EMISSIONS UNIT CAPACITY INFORMATION  
(Regulated Emissions Units Only)**

**Emissions Unit Operating Capacity and Schedule**

1. Maximum Heat Input Rate:		mmBtu/hr
2. Maximum Incineration Rate:	lb/hr	tons/day
3. Maximum Process or Throughput Rate:		<b>6,000 ft<sup>3</sup>/hr</b>
4. Maximum Production Rate:		
5. Requested Maximum Operating Schedule:		
	<b>24</b> hours/day	<b>7</b> days/week
	<b>52</b> weeks/year	<b>8,760</b> hours/year
6. Operating Capacity/Schedule Comment (limit to 200 characters):	<p><b>Maximum throughput rate based on manufacturer design capacity. See Part II.</b></p>	



**D. EMISSION POINT (STACK/VENT) INFORMATION  
(Regulated Emissions Units Only)**

**Emission Point Description and Type**

1. Identification of Point on Plot Plan or Flow Diagram? <b>See Part II</b>		2. Emission Point Type Code: <b>4</b>	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):  <b>Fugitive emissions from Pug Mill discharge.</b>			
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:			
5. Discharge Type Code: <b>F</b>	6. Stack Height:  feet	7. Exit Diameter:  feet	
8. Exit Temperature:  °F	9. Actual Volumetric Flow Rate:  acfm	10. Water Vapor:  %	
11. Maximum Dry Standard Flow Rate:  dscfm		12. Nonstack Emission Point Height:  feet	
13. Emission Point UTM Coordinates:  Zone:                      East (km):                      North (km):			
14. Emission Point Comment (limit to 200 characters):  <b>Points of emission include Pug Mill discharge to trucks. See Part II.</b>			

**E. SEGMENT (PROCESS/FUEL) INFORMATION**  
**(All Emissions Units)**

**Segment Description and Rate:** Segment 1 of 1

1. Segment Description (Process/Fuel Type) (limit to 500 characters):  <b>Ash, Mineral Products -- Fugitive Emissions</b>		
2. Source Classification Code (SCC): <b>3-05-999-99</b>		3. SCC Units: <b>Tons processed</b>
4. Maximum Hourly Rate: <b>216</b>	5. Maximum Annual Rate: <b>336,000</b>	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment (limit to 200 characters):  <b>Maximum hourly based on 6,000 ft<sup>3</sup>/hr and 72 lb/ft<sup>3</sup> density of ash. See Part II.</b>		

**Segment Description and Rate:** Segment \_\_\_ of \_\_\_

1. Segment Description (Process/Fuel Type) (limit to 500 characters):		
2. Source Classification Code (SCC):		3. SCC Units:
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment (limit to 200 characters):		



**G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**  
**(Regulated Emissions Units -**  
**Emissions-Limited and Preconstruction Review Pollutants Only)**

**Potential/Fugitive Emissions**

1. Pollutant Emitted: <b>PM (TSP)</b>		2. Total Percent Efficiency of Control:	
3. Potential Emissions: <b>0.054 lb/hour</b>		4. Synthetically Limited? [ ]	
		<b>0.042 tons/year</b>	
5. Range of Estimated Fugitive Emissions: [ ] 1 [ ] 2 [ ] 3 _____ to _____ tons/year			
6. Emission Factor: <b>See Part II</b> Reference:		7. Emissions Method Code: <b>3</b>	
8. Calculation of Emissions (limit to 600 characters):  <b>See Part II.</b>			
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):			

**Allowable Emissions** Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: <b>OTHER</b>		2. Future Effective Date of Allowable Emissions:	
3. Requested Allowable Emissions and Units: <b>Work Practice</b>		4. Equivalent Allowable Emissions: <b>0.054 lb/hour 0.042 tons/year</b>	
5. Method of Compliance (limit to 60 characters):  <b>Water spraying as needed.</b>			
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):			

**G. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION**  
**(Regulated Emissions Units -**  
**Emissions-Limited and Preconstruction Review Pollutants Only)**

Potential/Fugitive Emissions

1. Pollutant Emitted: <b>PM<sub>10</sub></b>	2. Total Percent Efficiency of Control:
3. Potential Emissions: <b>0.026</b> lb/hour <b>0.020</b> tons/year	4. Synthetically Limited? [ ]
5. Range of Estimated Fugitive Emissions: [ ] 1      [ ] 2      [ ] 3      _____ to _____ tons/year	
6. Emission Factor: <b>See Part II</b> Reference:	7. Emissions Method Code: <b>3</b>
8. Calculation of Emissions (limit to 600 characters):  <b>See Part II</b>	
9. Pollutant Potential/Fugitive Emissions Comment (limit to 200 characters):	

Allowable Emissions Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: <b>OTHER</b>	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units: <b>Work Practice</b>	4. Equivalent Allowable Emissions: <b>0.026</b> lb/hour <b>0.020</b> tons/year
5. Method of Compliance (limit to 60 characters):  <b>Water spraying as needed.</b>	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters):	



**H. VISIBLE EMISSIONS INFORMATION**  
(Only Regulated Emissions Units Subject to a VE Limitation)

**Visible Emissions Limitation:** Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype:	2. Basis for Allowable Opacity: [ X ] Rule [ ] Other
3. Requested Allowable Opacity: Normal Conditions: <b>20</b> % Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour	
4. Method of Compliance:	
5. Visible Emissions Comment (limit to 200 characters):  <b>Rule 62-296.320(4)(b)1. F.A.C.</b>	

**I. CONTINUOUS MONITOR INFORMATION**  
(Only Regulated Emissions Units Subject to Continuous Monitoring)

**Continuous Monitoring System:** Continuous Monitor \_\_\_\_\_ of \_\_\_\_\_

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	[ ] Rule [ ] Other
4. Monitor Information: Manufacturer: _____ Model Number: _____ Serial Number: _____	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment (limit to 200 characters):	

**J. EMISSIONS UNIT SUPPLEMENTAL INFORMATION**  
(Regulated Emissions Units Only)

**Supplemental Requirements**

1. Process Flow Diagram [ ] Attached, Document ID: _____ [ X ] Not Applicable [ ] Waiver Requested
2. Fuel Analysis or Specification [ ] Attached, Document ID: _____ [ X ] Not Applicable [ ] Waiver Requested
3. Detailed Description of Control Equipment [ ] Attached, Document ID: _____ [ X ] Not Applicable [ ] Waiver Requested
4. Description of Stack Sampling Facilities [ ] Attached, Document ID: _____ [ X ] Not Applicable [ ] Waiver Requested
5. Compliance Test Report [ ] Attached, Document ID: _____ [ ] Previously submitted, Date: _____ [ X ] Not Applicable
6. Procedures for Startup and Shutdown [ ] Attached, Document ID: _____ [ X ] Not Applicable [ ] Waiver Requested
7. Operation and Maintenance Plan [ ] Attached, Document ID: _____ [ X ] Not Applicable [ ] Waiver Requested
8. Supplemental Information for Construction Permit Application [ X ] Attached, Document ID: <u>See Part II</u> [ ] Not Applicable
9. Other Information Required by Rule or Statute [ X ] Attached, Document ID: <u>See Part II</u> [ ] Not Applicable
10. Supplemental Requirements Comment:

**Additional Supplemental Requirements for Title V Air Operation Permit Applications**

11. Alternative Methods of Operation [ ] Attached, Document ID: _____ [ X ] Not Applicable
12. Alternative Modes of Operation (Emissions Trading) [ ] Attached, Document ID: _____ [ X ] Not Applicable
13. Identification of Additional Applicable Requirements [ ] Attached, Document ID: _____ [ X ] Not Applicable
14. Compliance Assurance Monitoring Plan [ ] Attached, Document ID: _____ [ X ] Not Applicable
15. Acid Rain Part Application (Hard-copy Required) [ ] Acid Rain Part - Phase II (Form No. 62-210.900(1)(a)) Attached, Document ID: _____ [ ] Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) Attached, Document ID: _____ [ ] New Unit Exemption (Form No. 62-210.900(1)(a)2.) Attached, Document ID: _____ [ ] Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) Attached, Document ID: _____ [ ] Phase II NOx Compliance Plan (Form No. 62-210.900(1)(a)4.) Attached, Document ID: _____ [ ] Phase NOx Averaging Plan (Form No. 62-210.900(1)(a)5.) Attached, Document ID: _____ [ X ] Not Applicable

**PART II**

## 1.0 INTRODUCTION

Cedar Bay Generating Company, L.P., is seeking authorization from the Florida Department of Environmental Protection (FDEP) to change the monthly and annual throughput of coal and limestone, and for the installation of a pug mill that is associated with ash handling. The authorization being sought is for change in the Prevention of Significant Deterioration (PSD) approval (PSD-FL-137). The requested change to the PSD permit will not triggered PSD review.

## 2.0 MATERIAL HANDLING AND TREATMENT

The previous PSD modification that became effective in March 2000 is now identified as PSD-FL-137D. One of the items in the original modification request was a request to modify the material handling and usage rates of the coal and limestone/aragonite. Due to the modification's intensive focus on SO<sub>2</sub> limits and supporting air dispersion modeling, this particular item was not accomplished during the draft and final permit issuance.

Coal and limestone are staged in lined storage piles. Coal is supplied via rail and limestone/aragonite is supplied via ship, then truck. Cedar Bay Generating Company, L.P. has recognized that the current PSD permit conditions do not allow sufficient material handling capacity to allow the facility to weather catastrophic events or business interruptions. Therefore, an increase the amount of coal and limestone "handled" at the facility is requested. There is no physical change to the facilities.

The request is appropriate given that:

- Coal unloading and storage, as well as limestone/aragonite unloading and storage, represent fugitive particulate emissions for which no emission rate limits have been established;
- Control of fugitive emissions from unloading and storage is based on work practices only;
- There is no federal or state regulation limiting the quantities of these material or emissions on a monthly basis; and
- Compliance with a rigorous interpretation of the current monthly conditions would, in theory, render the storage piles to be eventually depleted if the boilers ran at full capacity for an extended period with even intermittent cessation of supply periods.

Cedar Bay therefore requests doubling the monthly limitations for coal and limestone/aragonite unloading and storage, and increasing the annual usage rate by one month's capacity. This would require separating the limits for these sources from the other material handling sources.

Thus, Cedar Bay proposes to modify Conditions II.B.2 as follows:

## **2. Material Handling and Usage Rate**

- a. The material handling/usage rates for coal unloading and storage and for limestone/aragonite unloading and storage shall not exceed the following:

Material	Handling/Usage Rate	
	TPM	TPY
Coal	234,000	1,287,000
Limestone/Aragonite	54,000	347,000

- b. For fly ash and bed ash handling sources, the handling/usage rates shall not exceed the following:

Material	Handling/Usage Rate	
	TPM	TPY
Fly Ash	28,000	336,000
Bed Ash	8,000	88,000

Note: TPM is tons per month based on 30 consecutive days; and TPY is tons per year

It is important to note that the latest version of Cedar Bay's Conditions of Certification reflect these changes as requested in the PSD modification application although the material handling changes were not part of the proposed changes in the draft PSD permit.

### **3.0 INSTALLATION OF A PUG MILL**

To improve the flexibility for ash handling and transportation from the site, Cedar Bay Generating Company, L.P. seeks approval from the Department to install a pug mill associated with ash handling. The pug mill will mix ash and water in an enclosed system and enable the removal of ash by other than sealed trucks. This process will enable the ash to be loaded, transported, and disposed in a Class 1 landfill while minimizing fugitive emissions. The installation of the pug mill provides multiple means (rail, sealed trucks, and standard trucks) for ash use or disposal in an environmentally acceptable manner. There is no change in the amount of ash handled by the facility associated with this request.

While the PSD Modification Application in 1994 explicitly detailed "Dry Ash Unloading in Sealed Trucks," the resulting modification, PSD-FL-137(B), did not specifically reference the use of trucks as a means to remove ash from the site. Instead, Section II.B.4. added a stipulation that requires the Project site to option prior approval of the DEP and RESD for removal of bottom and fly ash by any other means other than rail. Cedar Bay has since obtained such permission once it was clear that long-term beneficial re-use opportunities were available.

The use of the pug mill will alter the process of loading the trucks but will enable the project to meet the visible emission limitation (VE) of five per cent (5%) opacity in accordance with rule 62-296.711, F.A.C. By wetting and blending the ash, the pug mill will produce a more uniform ash with less opportunity for dusting. There are no new vents or other air emission sources associated with the pug mill itself.

Therefore, Cedar Bay requests to modify PSD-FL-137 (in conjunction with the retirement of the pelletizer emission units, pending final permit issuance following public comment period) as follows:

**From**

II.1.B.4 Material handling sources shall be regulated as follows:

a. The material handling and treatment area sources with either fabric filter or baghouse controls are as follows:

Coal Crusher Building  
 Limestone Pulverizer (2)/Conveyor  
 Coal Silo Conveyor  
 Limestone Storage Bins(2)  
 Bed Ash Hopper  
 Fly Ash Silo Vent  
 Bed Ash Separator  
 Fly Ash Separators(2)  
 Bed Ash Silo Vent  
 Bed Ash Receiver Bin  
 Pellet Recycle tank  
 Fly Ash Receiver Bin  
 Cured Pellet Screening Conveyor System  
 Pellet Recycle System  
 Pelletizing Rail Loadout

The emissions from the above listed sources are subject to the particulate emission limitation requirement of 0.003 gr./disc (applicant requested limitation which is more stringent than what is allowed by Rule 62-296.711, F.A.C. Since these

**To**

II.1.B.4 Material handling sources shall be regulated as follows:

a. The material handling and treatment area sources with either fabric filter or baghouse controls are as follows:

Coal Crusher Building ✓  
 Limestone Pulverizer (2)/Conveyor ✓  
 Coal Silo Conveyor ✓  
 Limestone Storage Bins(2) ✓  
 Bed Ash Hopper ✓  
 Fly Ash Silo Vent ✓  
 Bed Ash Separator ✓  
 Fly Ash Separators(2) ✓  
 Bed Ash Silo Vent ✓

The emissions from the above listed sources are subject to the particulate emission limitation requirement of 0.003 gr./disc (applicant requested limitation which is more stringent than what is allowed by Rule 62-296.711, F.A.C. Since these

verification test on each source shall be required for PM mass emissions to demonstrate that the baghouse control systems can achieve the 0.003 gr/dscf. The performance tests shall be conducted using EPA method 5 pursuant to Chapter 62-297, F.A.C. and 40 CFR 60, Appendix A.

b. The PM emissions from the following process equipment and/or facility in the material handling and treatment area sources shall be controlled as follows:

Ash Pellet Hydrator	<u>Scrubber</u>
Ash Pellet Curing Silos	<u>Scrubber</u>
Ash Pelletizing Pan	<u>Scrubber</u>

The above listed sources are subject to a visible emissions (VE) and a particulate matter (PM) emissions limitation requirement of 5 percent opacity and a 0.01 gr/dscf (applicant requested limitation, which is more stringent than what is allowed by rule), respectively, in accordance with Rule 62-296.711, F.A.C. Initial and subsequent compliance tests shall be conducted for VE and PM using EPA methods 9 and 5, respectively, in accordance with Rule 62-297, D=F.A.C. and 40 CFR 60, Appendix A.

c. Fugitive emissions from the following material handling and transport sources shall be controlled as follows:

Coal Car Unloading

Wet Suppression using continuous water sprays during unloading

Dry Ash Rail Car Loadout

Using closed or covered containers under negative air pressures during ash loadout; and using water sprays prior to removal of railcar loadout cap when loading open rail cars.

verification test on each source shall be required for PM mass emissions to demonstrate that the baghouse control systems can achieve the 0.003 gr/dscf. The performance tests shall be conducted using EPA method 5 pursuant to Chapter 62-297, F.A.C. and 40 CFR 60, Appendix A.

b. Fugitive emissions from the following material handling and transport sources shall be controlled as follows:

Coal Car Unloading

Wet Suppression using continuous water sprays during unloading

Dry Ash Rail Car Loadout

Using closed or covered containers under negative air pressures during ash loadout; and using water sprays prior to removal of railcar loadout cap when loading open rail cars

Dry Ash Truck Loadout

Using sealed trailers under negative air

Wet Ash Truck Loadout

Using a pug mill to mix water with ash

The above listed sources are subject to a visible emission (VE) limitation requirement of five percent (5%) opacity in accordance with Rule 62-296.711, F.A.C. Initial and subsequent compliance test shall be conducted for VE using EPA Method 9 or other FDEP approved methods in accordance with Rule 62-297, F.A.C. and 40 CFR 60, Appendix A (July, 1992 version). Initial visible emission testing shall be conducted within 90 days after final DEP approval of these facilities or within 90 days after completion of construction of the source, whichever occurs last. Ash shipped in open rail cars will either be pelletized or be sprayed with water to create a crust on the top layer of ~~non-~~ pelletized ash. -



The above listed sources are subject to a visible emission (VE) limitation requirement of five percent (5%) opacity in accordance with Rule 62-296.711, F.A.C. Initial and subsequent compliance test shall be conducted for VE using EPA Method 9 or other FDEP approved methods in accordance with Rule 62-297, F.A.C. and 40 CFR 60, Appendix A (July, 1992 version). Initial visible emission testing shall be conducted within 90 days after final DEP approval of these facilities or within 90 days after completion of construction of the source, whichever occurs last. Ash shipped in open rail cars will either be pelletized or be sprayed with water to create a crust on the top layer of non-pelletized ash. Removal of bottom and fly ash from the Project site by any means other than by rail shall require the prior approval of DEP and RESD of the method(s) of fugitive emissions control.

#### **4.0 POTENTIAL FUGITIVE EMISSIONS**

Potential increases in fugitive emissions may occur as a result of increasing the potential monthly capacities of coal and limestone handling operations. Fugitive emissions from coal and limestone storage will not change since the aerial extent of the storage areas will not change. The amounts transported to the CFB Boiler areas will not change. The annual emission increases associated with increased coal throughput are 0.046 and 0.022 tons/year of PM and PM<sub>10</sub>, respectively. The annual emission increases associated with increased limestone throughput are 0.004 and 0.002 tons/year for PM and PM<sub>10</sub>, respectively.

In the pug mill, ash is wetted using specially configured nozzles located above the mixing paddles that form a curtain of water spray. The conditioning begins moistening the incoming ash while still airborne and uniformly wets the ash as it travels through the mixer. The pug mill will have a design capacity of 6,000 cubic feet (ft ) per hour using up to 120 gallons per minute (gpm) of water to mix with ash (15-percent moisture by weight). The maximum potential increase in PM and PM<sub>10</sub> associated with the pug mill are 0.042 and 0.020 tons/year, respectively.

The maximum potential estimated emissions for the increases in the potential throughput of coal and limestone and the installation of the pug mill are 0.092 tons/year for PM and 0.044 tons/year for PM<sub>10</sub>.

Water spraying was assumed as the method reasonably available to control fugitive emissions for coal and limestone handling. Fugitive emissions from the pug mill were based on 15 percent moisture. The calculations of fugitive emissions are presented in Appendix A. As noted in this appendix, the methods used were the same as used in the original PSD permit application and Title V permit application.

No additional fugitive PM emissions will result for other operations. Control devices (i.e., baghouses or bag filters) control fugitive PM in the crusher house, storage silos and other limestone handling and storage operations.

### **5.0 RULE APPLICABILITY**

Under Federal and State of Florida PSD review requirements, all major new or modified sources of air pollutants regulated under the Clean Air Act (CAA) must be reviewed and a pre-construction permit issued. EPA has approved Florida's State Implementation Plan (SIP), which contains PSD regulations, therefore, PSD approval authority has been granted to the FDEP. For projects approved under the Florida PPSA the PSD program is delegated.

A "major facility" is defined as any one of 28 named source categories that have the potential to emit 100 TPY or more or any other stationary facility that has the potential to emit 250 TPY or more of any pollutant regulated under CAA. "Potential to emit" means the capability, at maximum design capacity, to emit a pollutant after the application of control equipment. Once a new source is determined to be a "major facility" for a particular pollutant, any pollutant emitted in amounts greater than the PSD significant emission rates is subject to PSD review. For an existing source for which a modification is proposed, the modification is subject to PSD review if the net increase in emissions due to the modification is greater than the PSD significant emission rates.

PSD review is used to determine whether significant air quality deterioration will result from the new or modified facility. Federal PSD requirements are contained in 40 CFR 52.21, Prevention of Significant Deterioration of Air Quality. The State of Florida has adopted the federal PSD regulations by reference (Rule 62-212.400, F.A.C.). Major facilities and major modifications are required to undergo the following analysis related to PSD for each pollutant emitted in significant amounts:

1. Control technology review,
2. Source impact analysis,
3. Air quality analysis (monitoring),

4. Source information, and
5. Additional impact analyses.

Cedar Bay Cogeneration Facility is a major source and increasing the potential coal and limestone throughputs and the addition of the pug mill are operational and physical changes. The proposed change in the potential throughput of coal and limestone and the addition of the pug mill will have potential emission increases of less than 1 ton/year and significantly less than the PSD significant emission rates for PM and PM<sub>10</sub>. Therefore, PSD review is not applicable.

**APPENDIX A**

**FUGITIVE EMISSION CALCULATIONS**

### Calculations of Coal and Limestone Unloading and Storage

#### Coal Fugitive Emissions:

The same equations as the PSD Approval and Title V Permit Application are used to determine fugitive emissions. AP-42, 4th Edition 11.2.3:

$$EF_{UN} = k \times (0.0032) \times (U/5)^{1.3} / (M/2)^{1.4} \quad (\text{UN=Uncontrolled})$$

where: EF is the emission factor in lb/ton

k is particle size factor; 0.74 for PM and 0.35 for PM<sub>10</sub>

U is wind speed; 7.8 miles/hour previously used

M is percent moisture; 6 percent previously used

$$EF_{CON} = EF \times (1 - \% \text{Removal}) \quad (\text{CON=Controlled})$$

Control efficiency = 70% based on water spraying.

$$EF_{PM-UN} = 0.74 \times (0.0032) \times (7.8/5)^{1.3} / (6/2)^{1.4}$$

$$EF_{PM-UN} = 0.0009067 \text{ lb/ton (Uncontrolled)}$$

$$EF_{PM-CON} = 0.000272 \text{ lb/ton (Controlled)}$$

$$EF_{PM10-UN} = 0.35 \times (0.0032) \times (7.8/5)^{1.3} / (6/2)^{1.4}$$

$$EF_{PM10-UN} = 0.0004289 \text{ lb/ton}$$

$$EF_{PM10-CON} = 0.0001287 \text{ lb/ton (Controlled)}$$

Comparison of Specific Condition Section II.B.2. coal limit to requested change:

	<u>Current</u>	<u>Proposed</u>	<u>Difference</u>
Annual	1,117,000 tons/year	1,287,000 tons/year	170,000 tons/year
Monthly	117,000 tons/month	234,000 tons/month	117,000 tons/month

PM Emissions from Coal Unloading:

	<u>Current</u>	<u>Proposed</u>	<u>Difference</u>
Annual	0.152 tons/year	0.175 tons/year	0.023 tons/year
Monthly	0.016 tons/month	0.032 tons/month	0.016 tons/month

PM<sub>10</sub> Emissions from Coal Unloading:

	<u>Current</u>	<u>Proposed</u>	<u>Difference</u>
Annual	0.072 tons/year	0.083 tons/year	0.011 tons/year
Monthly	0.008 tons/month	0.015 tons/month	0.008 tons/month

PM Emissions from Conveyor to Pile:

	<u>Current</u>	<u>Proposed</u>	<u>Difference</u>
Annual	0.152 tons/year	0.175 tons/year	0.023 tons/year
Monthly	0.016 tons/month	0.032 tons/month	0.016 tons/month

PM<sub>10</sub> Emissions from Conveyor to Pile:

	<u>Current</u>	<u>Proposed</u>	<u>Difference</u>
Annual	0.072 tons/year	0.083 tons/year	0.011 tons/year
Monthly	0.008 tons/month	0.015 tons/month	0.008 tons/month

**Limestone Fugitive Emissions:**

Comparison of Specific Condition Section II.B.2. limestone limit to requested change:

	<u>Current</u>	<u>Proposed</u>	<u>Difference</u>
Annual	320,000 tons/year	347,000 tons/year	27,000 tons/year
Monthly	27,000 tons/month	54,000 tons/month	27,000 tons/month

Same emission factor used as coal.

## PM Emissions from Limestone

	<u>Current</u>	<u>Proposed</u>	<u>Difference</u>
Annual	0.044 tons/year	0.047 tons/year	0.004 tons/year
Monthly	0.004 tons/month	0.007 tons/month	0.004 tons/month

PM<sub>10</sub> Emissions from Limestone

	<u>Current</u>	<u>Proposed</u>	<u>Difference</u>
Annual	0.021 tons/year	0.022 tons/year	0.002 tons/year
Monthly	0.002 tons/month	0.003 tons/month	0.002 tons/month

**Ash Pugmill Fugitive Emissions:**

Comparison of Specific Condition Section II.B.2. limestone limit to requested change:

	<u>Current</u>
Annual	336,000 tons/year
Monthly	28,000 tons/month
Hourly	216 tons/hour (based on 6,000 ft <sup>3</sup> /hr and 72 lb/ft <sup>3</sup> )

Use same emission factor except for percent moisture.

M is percent moisture; pugmill design is 15 percent by weight

$$EF_{PM-UN} = 0.74 \times (0.0032) \times (7.8/5)^{1.3} / (15/2)^{1.4} = 0.00025 \text{ lb/ton}$$

$$EF_{PM10-UN} = 0.35 \times (0.0032) \times (7.8/5)^{1.3} / (6/2)^{1.4} = 0.00012 \text{ lb/ton}$$

## PM Emissions from Pug Mill

	<u>Proposed</u>
Annual	0.042 tons/year
Monthly	0.004 tons/month
Hourly	0.054 lb/hour

PM<sub>10</sub> Emissions from Pug Mill

	<u>Proposed</u>
Annual	0.020 tons/year
Monthly	0.002 tons/month
Hourly	0.026 lb/hpur

**Total PM Emissions**

	<u>Current</u>	<u>Proposed</u>	<u>Difference</u>
Annual	0.347 tons/year	0.440 tons/year	0.092 tons/year
Monthly	0.035 tons/month	0.075 tons/month	0.039 tons/month

Total PM<sub>10</sub> Emissions

	<u>Current</u>	<u>Proposed</u>	<u>Difference</u>
Annual	0.164 tons/year	0.208 tons/year	0.044 tons/year
Monthly	0.017 tons/month	0.035 tons/month	0.018 tons/month

**REGULATORY & ENVIRONMENTAL SERVICES DEPARTMENT**

**Air and Water Quality Division**



**RECEIVED**

SEP 04 2001

**BUREAU OF AIR REGULATION**

Mr. Clair H. Fancy, Chief  
Bureau of Air Regulation  
Florida Department of Environmental Protection  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, FL 32399-2400

**RE: Duval County – Air Pollution  
Cedar Bay Generating Company, L.P.  
Title V Permit No.: 0310377-002-AV/PSD-FL-137(A)  
Site Certification PA 88-24  
Installation of Pug Mills for Ash Loading**

Dear Mr. *Clair* Fancy:

The City of Jacksonville, Regulatory and Environmental Services Department, Air and Water Quality Division (AWQD) has reviewed Cedar Bay Generating Company (Cedar Bay) request dated August 21, 2001 for modifications to the fly ash handling system. Cedar Bay has proposed to locate pug mills within each existing ash silo structure to improve handling and reduce fugitive particulate matter emissions in the ash disposal process. AWQD has no objections to the incorporation of these devices provided that they meet all existing applicable notification terms and conditions, emission limitations and standards, and permitting requirements.

Should you have any questions concerning this matter, please contact me at (904) 630-4900.

Very truly yours,

Robert Steven Pace, P.E.  
Air Quality Branch Manager

RSP/RR/tf

- c: Ernest Frye, P.E., FDEP NE District
- Bruce Smith, General Manager, Cedar Bay Generating Company
- Ken Kosky P.E., Golder and Associates
- David Dee, Landers and Parsons
- Greg Radlinski, OGC

*ok with everyone.  
but should be included  
in PSD & TS Revisions  
  
Process with Pet Coke  
Submitted Sep. Appl. Since  
Petcoke Stalled.*



**PG&E National  
Energy Group**

Cedar Bay  
Generating Plant  
Owner: Cedar Bay Generating Company, L.P.

POB 26324  
Jacksonville, FL 32226-6324

904.751.4000  
Fax: 904.751.7320

**RECEIVED**

AUG 22 2001

BUREAU OF AIR REGULATION

August 21, 2001

Clair H. Fancy, Chief  
Bureau of Air Regulation  
Florida Department of Environmental Protection  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, FL 32399-2400

Steven R. Pace, Manager, Air Quality Branch  
Air and Water Quality Division  
Regulatory and Environmental Services Department  
City of Jacksonville  
117 W. Duval Street, Suite 225  
Jacksonville, Florida 32202-3718

RE: Title V Permit 0310377-002-AV/PSD-FL-137(A)  
Site Certification PA 88-24  
Installation of Pug Mills for Ash Loading

Dear Messrs. Fancy and Pace:

Cedar Bay Generating Company, L.P. (Cedar Bay) desires to improve the flexibility for ash handling at and transportation from the site with the installation of pug mills. The pug mill is an apparatus that will mix water with the ash in an enclosed system to improve handling and ultimately reduce fugitive emissions. They will be located within each existing ash silo structure.

Cedar Bay previously modified the conditions of certification to allow for changes in the method of handling ash with notification of the Department and RESD (Section IX. Solid Waste Storage and Disposal). Currently, ash generated at Cedar Bay is removed for disposal by the current coal supplier in rail cars and by sealed truck for recycling. We have informed both of your agencies of the possible loss of the coal contract and the potential need to find alternate ash disposal. Approval of the use of the pug mill and alternate trucks will give Cedar Bay the necessary flexibility to secure alternate disposal options.

The current fly ash system involves either placing dry ash in a rail car and spraying water to control fugitive emissions or loading dry ash into sealed trucks. Condition B.4.b. of the Title V Permit allows ash to be directly removed, as dry ash, from the property. The removal of



August 21, 2001

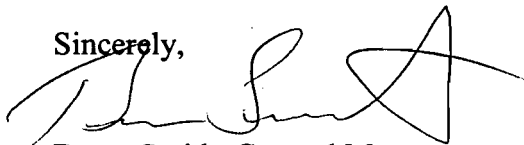
Page 2

ash from the site is only authorized under Title V permit by rail cars and sealed trucks. In addition, prior approval is required from the Department of Environmental Protection (FDEP) and the City of Jacksonville Air and Water Quality Division (AWQD) for removal of ash from the site by other than sealed trucks and rail (Condition B.4.b.4.).

The addition of the pug mill will allow removal of ash from the site by other than sealed trucks. Since the pug mill will mix ash with water, the potential for fugitive dust emissions will be reduced and would be consistent with the requirements of Rule 62-296.320(4)(c) F.A.C. and Appendix TV-2, Condition 58 of the Title Permit. There will be no increase in emission rates in pounds per hour or tons/year. This correspondence is seeking FDEP's and AWQD's approval for the removal of ash by other than sealed trucks with the installation of the pug mill. Attached is information on the pug mill.

Please call Jeff Walker at 904-751-4000 extension 22 if you have any questions regarding this request.

Sincerely,



Bruce Smith, General Manager  
Cedar Bay Generating Company, LP

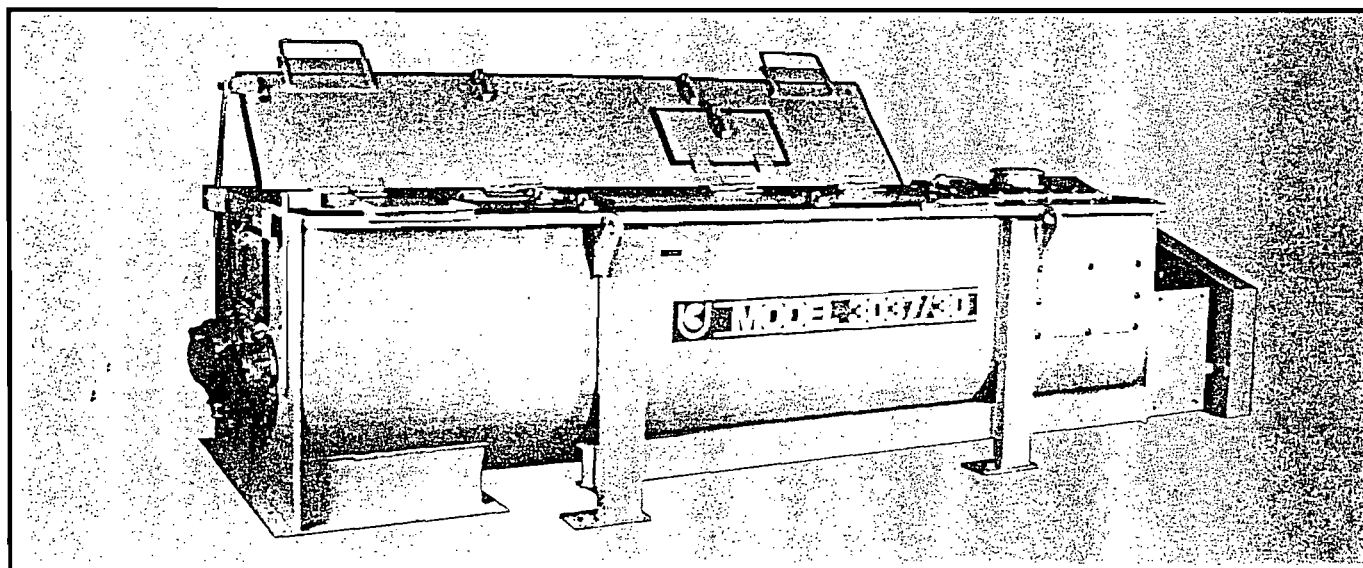
cc: H. S. Oven, P.E., FDEP Siting Coordination  
A.A. Linero, FDEP  
Ernest Frye, P.E., FDEP NE District  
Jonathan Holtom, P.E. FDEP  
Scott Gorland, FDEP Siting Coordination  
Ken Kosky P.E. , Golder and Associates  
David Dee, Landers and Parsons

Bc: J. Gasbarro  
S. Sorrentino  
B. DeHart  
S. Busbin  
F. Stallwood  
J. Walker  
M Golden

# Prod DATA



## UCC Offers Mid-Range Unloading Capacity With the 3037/30 Mixer/Unloader



United Conveyor Corporation has extended its line of mixer/unloaders with the Model 3037/30. This unit operates at a nominal discharge capacity of 150 tph, and is designed for use in unloading storage bins in smaller utility systems and larger industrial systems.

The Model 3037/30 mixer/unloader conditions dry material – fly ash, bottom ash/fly ash mixture or spent bed material – with water to minimize dust and feeds the conditioned material to trucks or rail cars.

### Efficient, Low Maintenance Drive Train

A 30-horsepower electric motor, supplied with the unit, drives two shaft mounted reducers through a double sided timing belt. The timing belt saves energy and provides even power distribution while maintaining a smooth, constant output speed. Power is distributed evenly between the two paddle shafts minimizing stress and deflection. Also, special couplings and chain lubrication are no longer needed because there is no metal-to-metal contact.

### Corrosion-Resistant Mixing Chamber

The completely enclosed, durable mixing chamber is coated to resist corrosive substances. Inclined mixing paddles, arranged in a helix on a pair of counter-rotating shafts, efficiently mix the material with water and move the material toward the mixer/unloader discharge chute. To help keep mixing chamber wear to a minimum, ash moves through the mixer/unloader on a stationary bed that builds up between the paddle tips and the trough wall. A rigid mixing trough prevents twisting or deforming due to loads incurred in the mixing process.

The uniformly moistened material is discharged through a chute at the bottom of the mixing chamber. When the feed of material stops, the mixer paddles continue to rotate so that all material can clear the mixing chamber.

### Packing Requires Minimum Maintenance

Spring loaded, self-adjusting packing-type seals eliminate the need to tighten packing glands manually. The packings stay in contact with the shaft, resulting in a dust-tight seal and longer packing life.

## Best Available Copy

### Precise, Economical Ash Feed and Water Spray

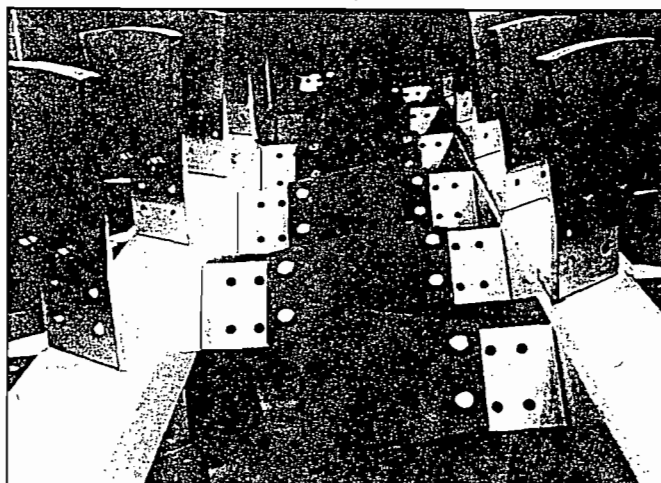
Eighteen specially configured nozzles located above the mixing paddles spray the ash with a precisely regulated volume of water during the mixing process. The spray pattern is different at each row of nozzles to provide complete watering and a homogenous mix. UCC's system begins moistening the incoming ash while it's still airborne, and the wide intersection of the ash and water paths allows for complete and uniform wetting. This ensures properly conditioned ash and prevents air pollution during unloading and transport.

### Variable Sweep Diameters

Multiple paddle positions on paddle mounting brackets make it easy to change volumetric discharge capacity. Through the use of different paddle sweep diameters, the mixer can be run at 100% loading (paddles completely covered with ash) at different discharge rates. This provides for the best mixture quality combined with minimal paddle wear and minimum dust. The six discharge rates available are:

	37 RPM	30 RPM
28" Sweep Dia.	7,500 CFH	6,000 CFH
25" Sweep Dia.	6,000 CFH	4,800 CFH
22" Sweep Dia.	4,500 CFH	3,600 CFH

*CFH = cubic feet per hour*



### Durable Mixing Paddles Keep the Ash Moving

AR 500 (Abrasion Resistant) steel mixing paddles are designed for maximum exposure of ash to water and for efficient movement of wet and dry material. Because the shafts rotate slowly, paddle wear is minimized. Ceramic tipped A36 steel mixing paddles, which provide extended wear with highly abrasive materials such as spent bed ash are available. TIVAR<sup>1</sup> mixing paddles, which prevent high CaO ash mixtures from sticking to the paddles during operation making cleanup easier, are also available. Full length flip-up covers allow unobstructed access to paddles and shafts.

### Product Specifications

Paddle Speed Rotation	37 rpm			30 rpm		
Motor	30 hp, 230/460 volts ac, 3-phase, 60 Hz					
Volumetric Capacity CFH	7,500	6,000	4,500	6,000	4,800	3,600
Paddle Diameter	28"	25"	22"	28"	25"	22"
Nominal Discharge Capacity (Dry) tph* @ 50 lb/ft <sup>3</sup>	190	150	115	—	—	—
Nominal Discharge Capacity (Dry) tph* @ 70 lb/ft <sup>3</sup>	—	—	—	210	170	125
Weight	4.4 tons					
Mixer Body Height	48-5/8"					
Overall Length	187-7/8"					
Center Line Mixer Inlet to Center Line Mixer Outlet - Rotary Vane Feeder	123-3/4"					
Center Line Mixer Inlet to Center Line Mixer Outlet - Ash Feed Valve	132" or 115-1/2" (depending on position of ash feed valve.)					
Nominal Water Requirements - gpm (16% moisture - by total weight)	145	115	90	160	130	95
Mixing Chamber Body	3/8" mild steel					
Mixing Paddles	Abrasion-Resistant Steel (Ceramic and TIVAR Optional)					

\*Capacities listed are for reference only.

<sup>1</sup>TIVAR is a trademark of Poly Hi Solidur, Menasha Corporation

**For additional information on ash conditioning and unloading equipment, contact UCC or your local UCC Sales Representative.**

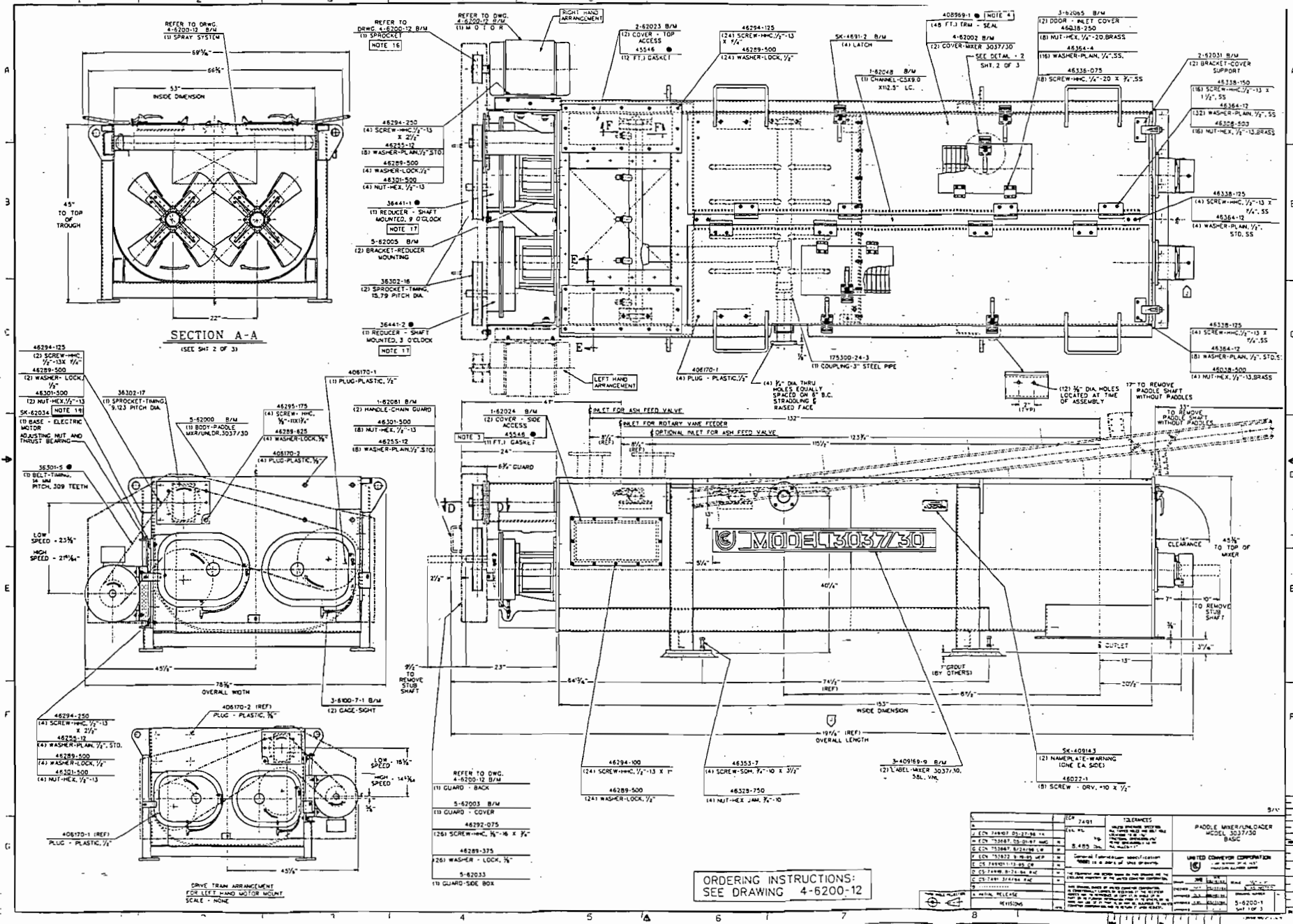
Descriptions of UCC equipment and services stated herein do not constitute a warranty or a guarantee of performance, nor is any warranty implied.

M0695-733

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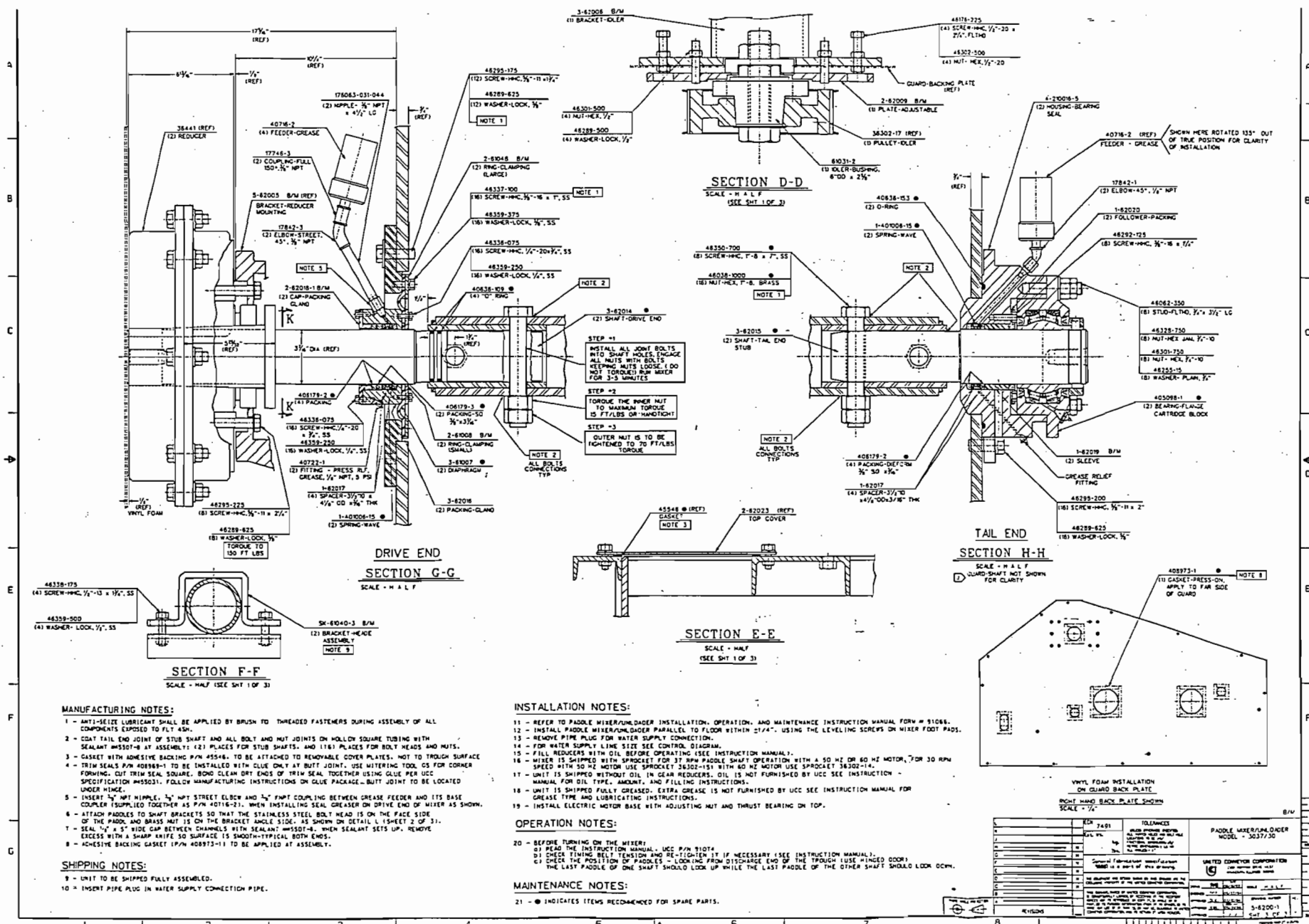


**UNITED  
CONVEYOR  
CORPORATION**  
2100 NORMAN DRIVE WEST  
WAUKEGAN, ILLINOIS 60085  
TEL: 815-472-5000



REV	DATE	DESCRIPTION	BY
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50	12-15-65	REVISION TO ...	J. J. ...





**MANUFACTURING NOTES:**

- 1 - ANTI-SEIZE LUBRICANT SHALL BE APPLIED BY BRUSH TO THREADED FASTENERS DURING ASSEMBLY OF ALL COMPONENTS EXPOSED TO FLT ASH.
- 2 - COAT TAIL END JOINT OF SHAFT AND ALL BOLT AND NUT JOINTS ON HOLLOW SQUARE TUBING WITH SEALANT M5050-8 AT ASSEMBLY: (2) PLACES FOR STUB SHAFTS, AND (16) PLACES FOR BOLT HEADS AND NUTS.
- 3 - CASKET WITH ADHESIVE BACKING P/N 45546, TO BE ATTACHED TO REMOVABLE COVER PLATES, NOT TO TROUGH SURFACE.
- 4 - TRIM SEALS P/N 408989-1 TO BE INSTALLED WITH CLUE ONLY AT BUTT JOINT. USE MITERING TOOL OS FOR CORNER FORMING. CUT TRIM SEAL SQUARE, BOND CLEAN DRY. ENDS OF TRIM SEAL TOGETHER USING CLUE PER UCC SPECIFICATION M5050-3. FOLLOW MANUFACTURING INSTRUCTIONS ON CLUE PACKAGE. BUTT JOINT TO BE LOCATED UNDER HINGE.
- 5 - INSERT 1/2" NPT NIPPLE, 1/2" NPT STREET ELBOW AND 1/2" NPT COUPLING BETWEEN GREASE FEEDER AND ITS BASE COUPLER. TIGHTEN TOGETHER AS P/N 40716-2. WHEN INSTALLING SEAL GREASER ON DRIVE END OF MIXER AS SHOWN.
- 6 - ATTACH PADDLES TO SHAFT BRACKETS SO THAT THE STAINLESS STEEL BOLT HEAD IS ON THE FACE SIDE OF THE PADDLE AND BRASS NUT IS ON THE BRACKET ANGLE SIDE, AS SHOWN ON DETAIL I (SHEET 2 OF 3).
- 7 - SEAL 1/2" x 3/4" SIDE GAP BETWEEN CHANNELS WITH SEALANT M5050-8. WHEN SEALANT SETS UP, REMOVE EXCESS WITH A SHARP KNIFE SO SURFACE IS SMOOTH-TYPICAL, BOTH ENDS.
- 8 - ADHESIVE BACKING CASKET P/N 408973-1 TO BE APPLIED AT ASSEMBLY.

**SHIPPING NOTES:**

- 9 - UNIT TO BE SHIPPED FULLY ASSEMBLED.
- 10 - INSERT PIPE PLUG IN WATER SUPPLY CONNECTION PIPE.

**INSTALLATION NOTES:**

- 11 - REFER TO PADDLE MIXER/UNLOADER INSTALLATION, OPERATION, AND MAINTENANCE INSTRUCTION MANUAL FOR # 91066.
- 12 - INSTALL PADDLE MIXER/UNLOADER PARALLEL TO FLOOR WITHIN 27/8". USING THE LEVELING SCREWS ON MIXER FOOT PADS.
- 13 - REMOVE PIPE PLUG FOR WATER SUPPLY CONNECTION.
- 14 - FOR WATER SUPPLY LINE SIZE SEE CONTROL DIAGRAM.
- 15 - FILL REDUCERS WITH OIL BEFORE OPERATING (SEE INSTRUCTION MANUAL).
- 16 - MIXER IS SHIPPED WITH 37 RPM SPROCKET FOR 37 RPM PADDLE SHAFT OPERATION WITH A 50 HP OR 60 HP MOTOR, 700R 30 RPM SPEED WITH 30 HP MOTOR USE SPROCKET 36302-151 WITH 40 HP MOTOR USE SPROCKET 36302-14.
- 17 - UNIT IS SHIPPED WITHOUT OIL IN GEAR REDUCERS. OIL IS NOT FURNISHED BY UCC SEE INSTRUCTION MANUAL FOR OIL TYPE, AMOUNT, AND FILLING INSTRUCTIONS.
- 18 - UNIT IS SHIPPED FULLY GREASED. EXTRA GREASE IS NOT FURNISHED BY UCC SEE INSTRUCTION MANUAL FOR GREASE TYPE AND LUBRICATING INSTRUCTIONS.
- 19 - INSTALL ELECTRIC MOTOR BASE WITH ADJUSTING NUT AND THRUST BEARING ON TOP.

**OPERATION NOTES:**

- 20 - BEFORE TURNING ON THE MIXER:
  - a) READ THE INSTRUCTION MANUAL, UCC P/N 91074.
  - b) CHECK TIMING BELT TENSION AND RE-TIGHTEN IF NECESSARY (SEE INSTRUCTION MANUAL).
  - c) CHECK THE POSITION OF PADDLES - LOOKING FROM DISCHARGE END OF THE TROUGH USE WINDING DOOR. THE LAST PADDLE OF ONE SHAFT SHOULD LOCK UP WHILE THE LAST PADDLE OF THE OTHER SHAFT SHOULD LOCK DOWN.

**MAINTENANCE NOTES:**

- 21 - ● INDICATES ITEMS RECOMMENDED FOR SPARE PARTS.

VINYL FOAM INSTALLATION ON GUARD BACK PLATE  
RIGHT HAND BACK PLATE SHOWN  
SCALE = 1/2"

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1	10/1/78	DESIGN	J. J. ...
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3	10/1/78	REVISED	J. J. ...
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10	10/1/78	REVISED	J. J. ...

UNITED STATES CORPORATION  
 5-8200-1  
 10/1/78



Jeb Bush  
Governor

# Department of Environmental Protection

Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

David B. Struhs  
Secretary

*"Protect, Conserve and Manage Florida's Environment and Natural Resources"*

*Printed on recycled paper.*



**PG&E National  
Energy Group.**

Cedar Bay  
Generating Plant  
Owner: Cedar Bay Generating Company, L.P.

POB 26324  
Jacksonville, FL 32226-6324

904.751.4000  
Fax: 904.751.7320

August 21, 2001

Clair H. Fancy, Chief  
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Florida Department of Environmental Protection  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, FL 32399-2400

RECEIVED

AUG 22 2001

BUREAU OF AIR REGULATION

Steven R. Pace, Manager, Air Quality Branch  
Air and Water Quality Division  
Regulatory and Environmental Services Department  
City of Jacksonville  
117 W. Duval Street, Suite 225  
Jacksonville, Florida 32202-3718

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Site Certification PA 88-24  
Installation of Pug Mills for Ash Loading

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August 21, 2001

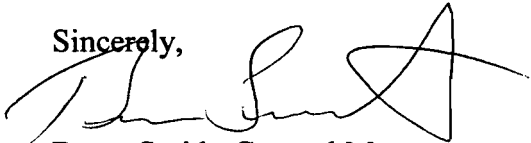
Page 2

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Please call Jeff Walker at 904-751-4000 extension 22 if you have any questions regarding this request.

Sincerely,



Bruce Smith, General Manager  
Cedar Bay Generating Company, LP

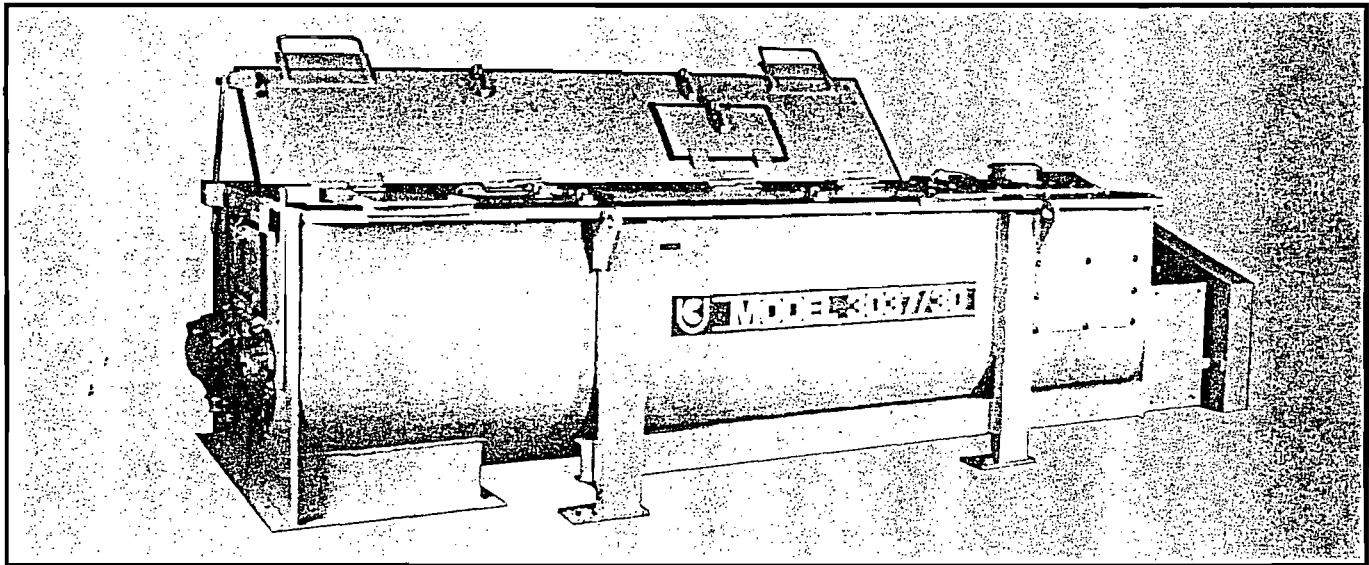
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M Golden

# Prod DATA



## UCC Offers Mid-Range Unloading Capacity With the 3037/30 Mixer/Unloader



United Conveyor Corporation has extended its line of mixer/unloaders with the Model 3037/30. This unit operates at a nominal discharge capacity of 150 tph, and is designed for use in unloading storage bins in smaller utility systems and larger industrial systems.

The Model 3037/30 mixer/unloader conditions dry material – fly ash, bottom ash/fly ash mixture or spent bed material – with water to minimize dust and feeds the conditioned material to trucks or rail cars.

### Efficient, Low Maintenance Drive Train

A 30-horsepower electric motor, supplied with the unit, drives two shaft mounted reducers through a double sided timing belt. The timing belt saves energy and provides even power distribution while maintaining a smooth, constant output speed. Power is distributed evenly between the two paddle shafts minimizing stress and deflection. Also, special couplings and chain lubrication are no longer needed because there is no metal-to-metal contact.

### Corrosion-Resistant Mixing Chamber

The completely enclosed, durable mixing chamber is coated to resist corrosive substances. Inclined mixing paddles, arranged in a helix on a pair of counter-rotating shafts, efficiently mix the material with water and move the material toward the mixer/unloader discharge chute. To help keep mixing chamber wear to a minimum, ash moves through the mixer/unloader on a stationary bed that builds up between the paddle tips and the trough wall. A rigid mixing trough prevents twisting or deforming due to loads incurred in the mixing process.

The uniformly moistened material is discharged through a chute at the bottom of the mixing chamber. When the feed of material stops, the mixer paddles continue to rotate so that all material can clear the mixing chamber.

### Packing Requires Minimum Maintenance

Spring loaded, self-adjusting packing-type seals eliminate the need to tighten packing glands manually. The packings stay in contact with the shaft, resulting in a dust-tight seal and longer packing life.

**Precise, Economical Ash Feed and Water Spray**

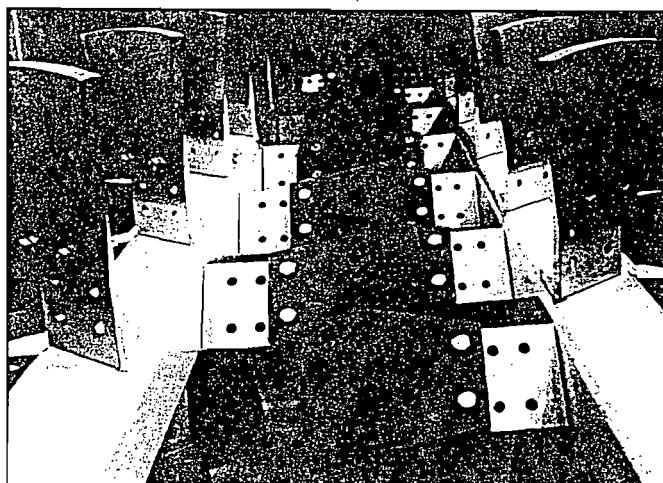
Eighteen specially configured nozzles located above the mixing paddles spray the ash with a precisely regulated volume of water during the mixing process. The spray pattern is different at each row of nozzles to provide complete watering and a homogenous mix. UCC's system begins moistening the incoming ash while it's still airborne, and the wide intersection of the ash and water paths allows for complete and uniform wetting. This ensures properly conditioned ash and prevents air pollution during unloading and transport.

**Variable Sweep Diameters**

Multiple paddle positions on paddle mounting brackets make it easy to change volumetric discharge capacity. Through the use of different paddle sweep diameters, the mixer can be run at 100% loading (paddles completely covered with ash) at different discharge rates. This provides for the best mixture quality combined with minimal paddle wear and minimum dust. The six discharge rates available are:

	37 RPM	30 RPM
28" Sweep Dia.	7,500 CFH	6,000 CFH
25" Sweep Dia.	6,000 CFH	4,800 CFH
22" Sweep Dia.	4,500 CFH	3,600 CFH

CFH = cubic feet per hour



**Durable Mixing Paddles Keep the Ash Moving**

AR 500 (Abrasion Resistant) steel mixing paddles are designed for maximum exposure of ash to water and for efficient movement of wet and dry material. Because the shafts rotate slowly, paddle wear is minimized. Ceramic tipped A36 steel mixing paddles, which provide extended wear with highly abrasive materials such as spent bed ash are available. TIVAR<sup>1</sup> mixing paddles, which prevent high CaO ash mixtures from sticking to the paddles during operation making cleanup easier, are also available. Full length flip-up covers allow unobstructed access to paddles and shafts.

**Product Specifications**

Paddle Speed Rotation	37 rpm			30 rpm		
Motor	30 hp, 230/460 volts ac, 3-phase, 60 Hz					
Volumetric Capacity CFH	7,500	6,000	4,500	6,000	4,800	3,600
Paddle Diameter	28"	25"	22"	28"	25"	22"
Nominal Discharge Capacity (Dry) tph* @ 50 lb/ft <sup>3</sup>	190	150	115	—	—	—
Nominal Discharge Capacity (Dry) tph* @ 70 lb/ft <sup>3</sup>	—	—	—	210	170	125
Weight	4.4 tons					
Mixer Body Height	48-5/8"					
Overall Length	187-7/8"					
Center Line Mixer Inlet to Center Line Mixer Outlet - Rotary Vane Feeder	123-3/4"					
Center Line Mixer Inlet to Center Line Mixer Outlet - Ash Feed Valve	132" or 115-1/2" (depending on position of ash feed valve.)					
Nominal Water Requirements - gpm (16% moisture - by total weight)	145	115	90	160	130	95
Mixing Chamber Body	3/8" mild steel					
Mixing Paddles	Abrasion-Resistant Steel (Ceramic and TIVAR Optional)					

\*Capacities listed are for reference only.

<sup>1</sup>TIVAR is a trademark of Poly Hi Solidur, Menasha Corporation

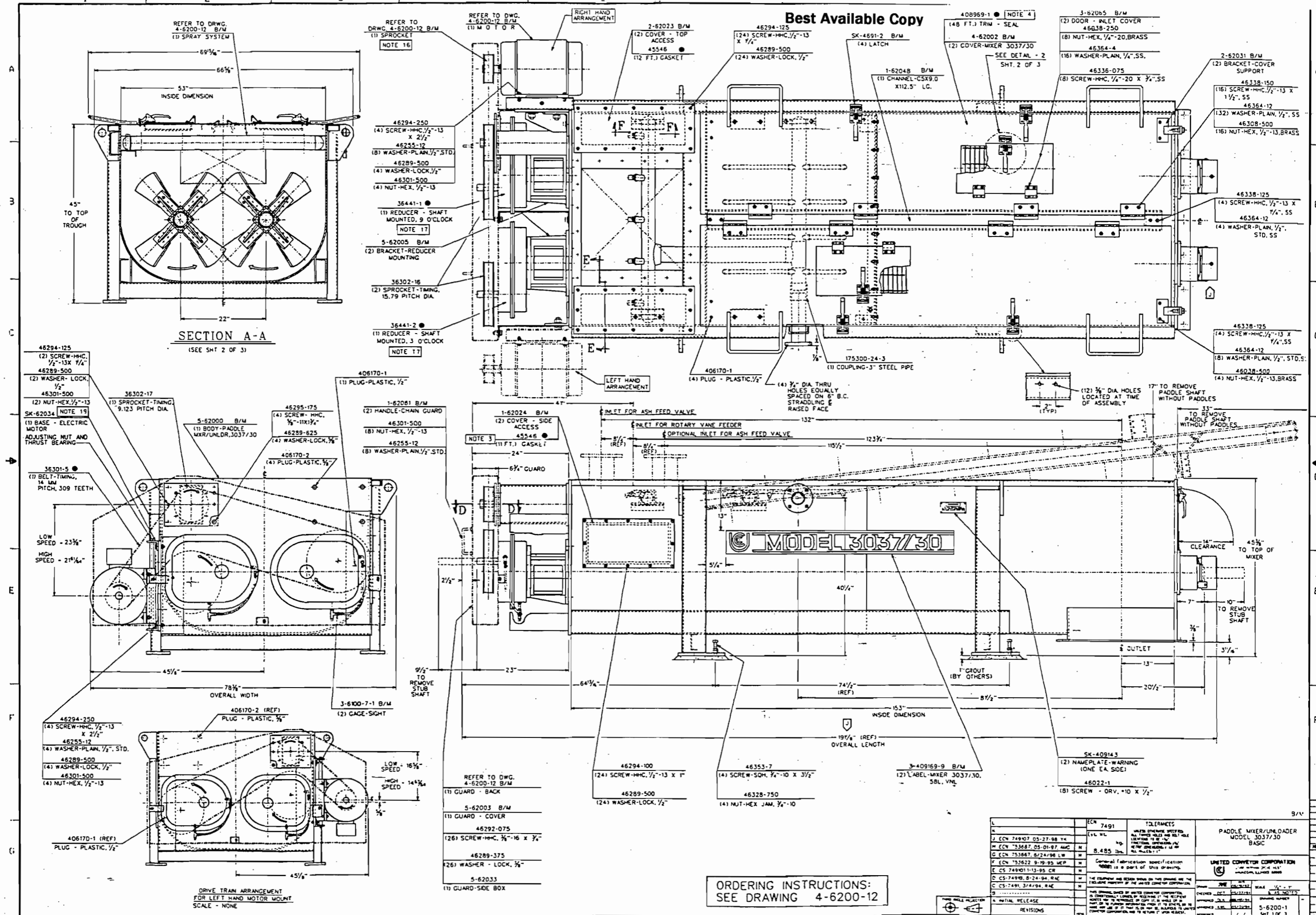
For additional information on ash conditioning and unloading equipment, contact UCC or your local UCC Sales Representative.

Descriptions of UCC equipment and services stated herein do not constitute a warranty or a guarantee of performance, nor is any warranty implied.

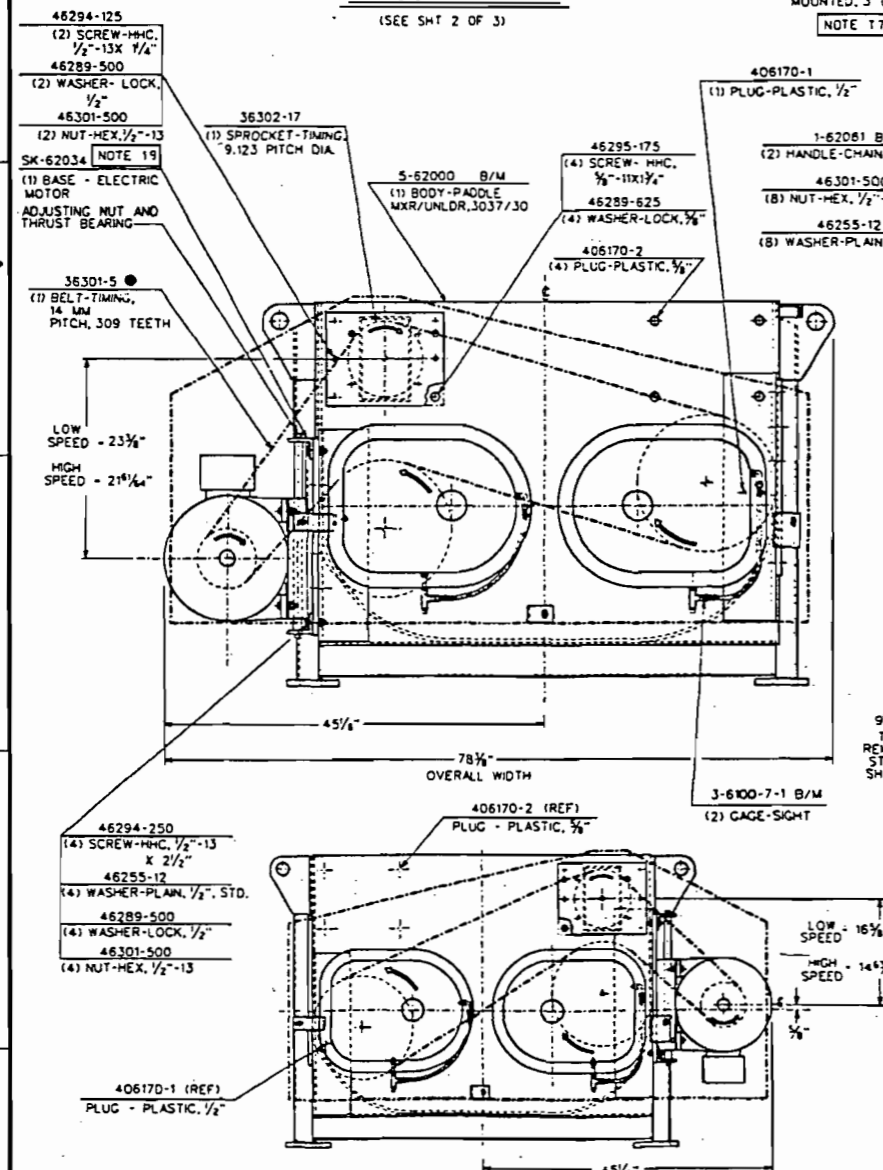
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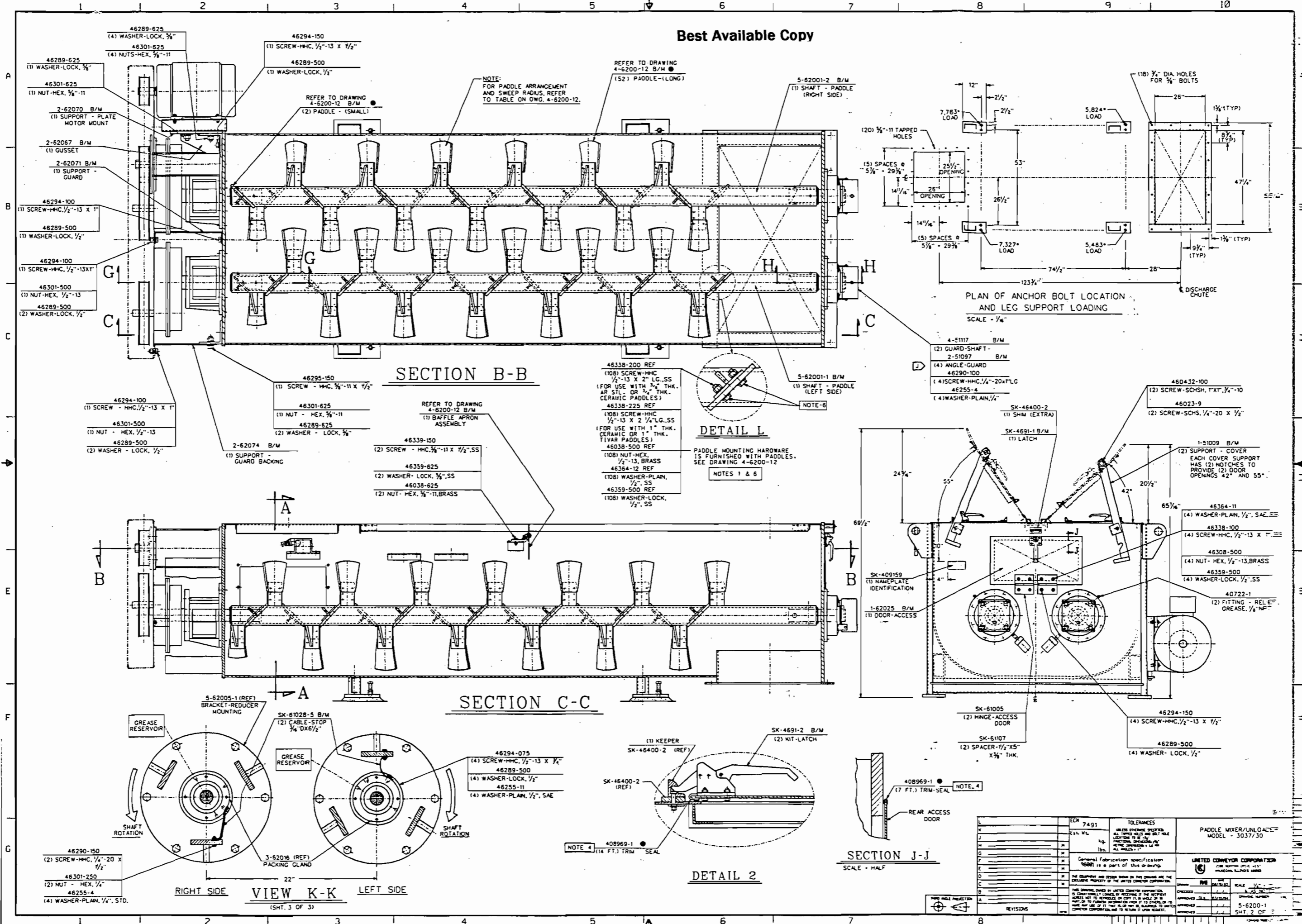
SECTION A-A  
(SEE SHT 2 OF 3)



DRIVE TRAIN ARRANGEMENT  
FOR LEFT HAND MOTOR MOUNT  
SCALE - NONE

ORDERING INSTRUCTIONS:  
SEE DRAWING 4-6200-12

L	ECN 7491	TOLERANCES	PADDLE MIXER/UNLOADER MODEL 3037/30 BASIC
M	ECN 74907 05-27-98 YK	UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES DIMENSIONS TO BE IN FUNCTIONAL OPERATING RANGE DIMENSIONS TO BE IN NEW OPERATING RANGE	
M	ECN 753687 05-01-97 AMC M	8.485 lbs.	UNITED CONVEYOR CORPORATION 1000 W. 10th St. Mankato, MN 56001 TEL: 507-435-1111 FAX: 507-435-1112
G	ECN 753687 8/24/98 LW		
F	ECN 753622 9-19-95 MFP M	General fabrication specification (NONE) is a part of this drawing.	DRAWING NUMBER 5-6200-1 SHT 1 OF 3
E	CS 749011-13-95 CR		
D	CS-7491B, 8-24-94, RAC		
C	CS-7491, 3/4/94, RAC		
B			
A			



SECTION B-B

SECTION C-C

PLAN OF ANCHOR BOLT LOCATION AND LEG SUPPORT LOADING  
SCALE - 1/4"

DETAIL L

DETAIL 2

SECTION J-J  
SCALE - 1/2"

VIEW K-K  
(SHT. 3 OF 3)

- 46289-500 (1) WASHER-LOCK, 1/2"
- 46301-625 (4) NUTS-HEX, 3/4"-11
- 46289-525 (1) WASHER-LOCK, 3/8"
- 46301-625 (1) NUT-HEX, 3/4"-11
- 2-62070 B/M (1) SUPPORT - PLATE MOTOR MOUNT
- 2-62067 B/M (1) GUSSET
- 2-62071 B/M (1) SUPPORT - GUARD
- 46294-100 (1) SCREW-HHC, 1/2"-13 X 1"
- 46289-500 (1) WASHER-LOCK, 1/2"
- 46294-100 (1) SCREW-HHC, 1/2"-13X1"
- 46301-500 (1) NUT-HEX, 1/2"-13
- 46289-500 (2) WASHER-LOCK, 1/2"

- 46294-100 (1) SCREW - HHC, 1/2"-13 X 1"
- 46301-500 (1) NUT - HEX, 1/2"-13
- 46289-500 (2) WASHER - LOCK, 1/2"
- 2-62074 B/M (1) SUPPORT - GUARD BACKING
- 46339-150 (2) SCREW - HHC, 3/8"-11 X 1 1/2", SS
- 46359-625 (2) WASHER - LOCK, 3/8", SS
- 46364-12 REF (108) WASHER-PLAIN, 1/2", SS
- 46359-500 REF (108) WASHER-LOCK, 1/2", SS

- 46295-150 (1) SCREW - HHC, 3/8"-11 X 1 1/2"
- 46301-625 (1) NUT - HEX, 3/4"-11
- 46289-625 (2) WASHER - LOCK, 3/8"

- 46338-200 REF (108) SCREW-HHC, 1/2"-13 X 2" LG., SS (FOR USE WITH 3/4" THK. CERAMIC PADDLES)
- 46338-225 REF (108) SCREW-HHC, 1/2"-13 X 2 1/4" LG., SS (FOR USE WITH 1" THK. CERAMIC OR 1" THK. TIVAR PADDLES)
- 46038-500 REF (108) NUT-HEX, 1/2"-13, BRASS
- 46364-12 REF (108) WASHER-PLAIN, 1/2", SS
- 46359-500 REF (108) WASHER-LOCK, 1/2", SS

- 46338-200 REF (108) SCREW-HHC, 1/2"-13 X 2" LG., SS (FOR USE WITH 3/4" THK. CERAMIC PADDLES)
- 46338-225 REF (108) SCREW-HHC, 1/2"-13 X 2 1/4" LG., SS (FOR USE WITH 1" THK. CERAMIC OR 1" THK. TIVAR PADDLES)
- 46038-500 REF (108) NUT-HEX, 1/2"-13, BRASS
- 46364-12 REF (108) WASHER-PLAIN, 1/2", SS
- 46359-500 REF (108) WASHER-LOCK, 1/2", SS

- 4-51117 B/M (2) GUARD-SHAFT - 2-51097 B/M (4) ANGLE-GUARD 46290-100 (1) SCREW-HHC, 1/4"-20X1 1/2" LG. 46255-4 (4) WASHER-PLAIN, 1/4"

- 460432-100 (2) SCREW-SCHSH, FIXT, 1/4"-10 46023-9 (2) SCREW-SCHS, 1/4"-20 X 1 1/2"

- 1-51009 B/M (2) SUPPORT - COVER EACH COVER SUPPORT HAS (2) NOTCHES TO PROVIDE (2) DOOR OPENINGS 42" AND 55"

- 48364-11 (4) WASHER-PLAIN, 1/2", SAE 46338-100 (4) SCREW-HHC, 1/2"-13 X 1" 46308-500 (4) NUT - HEX, 1/2"-13, BRASS 46359-500 (4) WASHER-LOCK, 1/2", SS

- 40722-1 (2) FITTING - REL. GREASE, 1/2" NF

- SK-61005 (2) HINGE-ACCESS DOOR SK-61107 (2) SPACER - 1/2" X 5" X 3/8" THK. 46294-150 (4) SCREW-HHC, 1/2"-13 X 1 1/2" 46289-500 (4) WASHER-LOCK, 1/2"

- 46290-150 (2) SCREW-HHC, 1/4"-20 X 1 1/2" 46301-250 (2) NUT - HEX, 1/4" 46255-4 (4) WASHER-PLAIN, 1/4", STD.

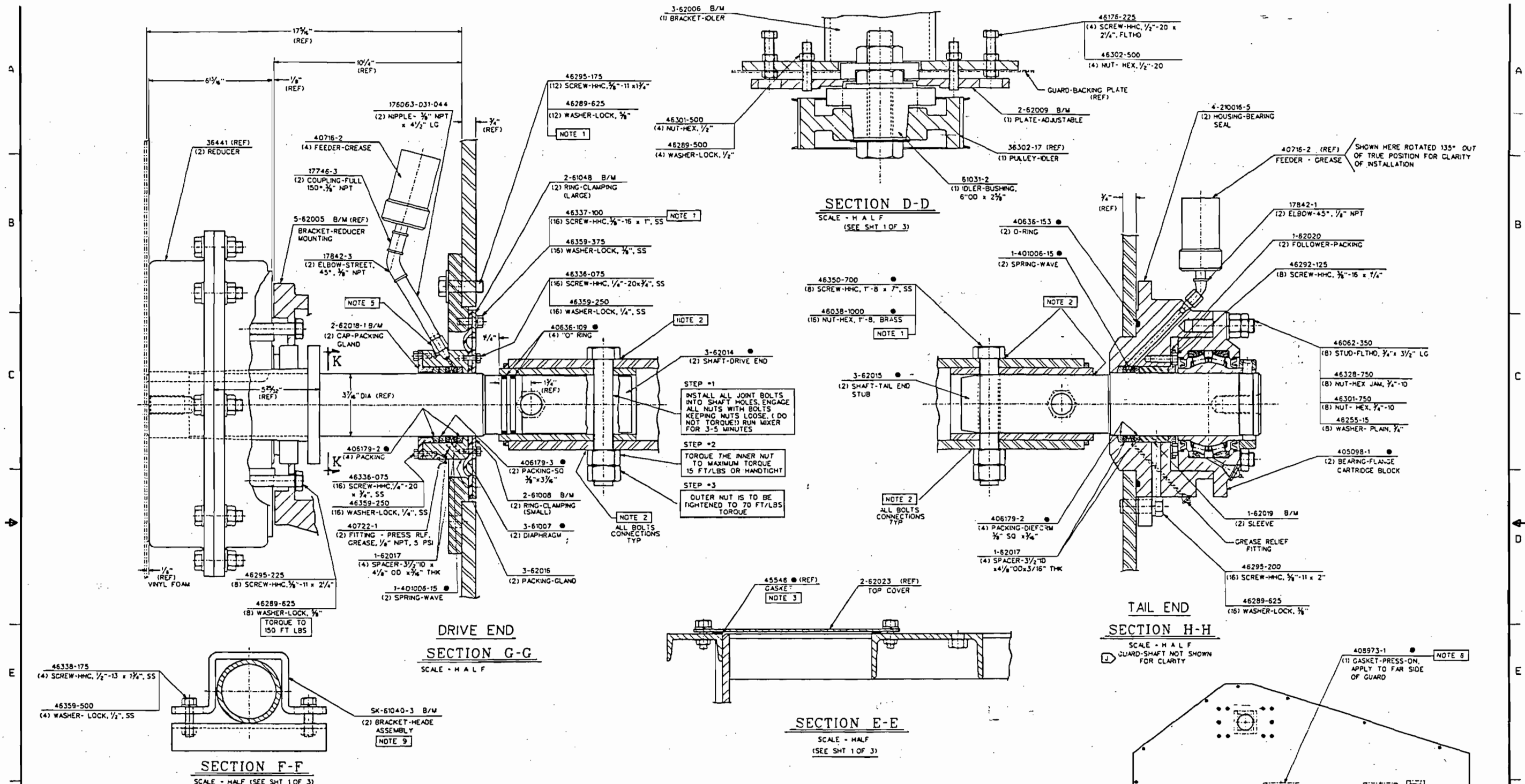
- 5-62005-1 (REF) BRACKET-REDUCER MOUNTING SK-61028-5 B/M (2) CABLE-STOP 3/4" DX 6 1/2" 46294-075 (4) SCREW-HHC, 1/2"-13 X 3/4" 46289-500 (4) WASHER-LOCK, 1/2" 46255-11 (4) WASHER-PLAIN, 1/2", SAE

- (1) KEEPER SK-46400-2 (REF) SK-4691-2 B/M (2) KIT-LATCH SK-46400-2 (REF) 408969-1 (14 FT.) TRIM SEAL

- 408969-1 (7 FT.) TRIM-SEAL NOTE 4 REAR ACCESS DOOR

EOM 7491		TOLERANCES UNLESS OTHERWISE SPECIFIED		PADDLE MIXER/UNLOADER MODEL - 3037/30	
A	±.005	ALL DIMENSIONS ARE TO BE TAKEN FROM THE CENTER UNLESS OTHERWISE SPECIFIED		UNITED CONVEYOR CORPORATION	
B	±.010	FRACTIONAL DIMENSIONS ARE TO BE IN ALL UNLESS OTHERWISE SPECIFIED		2300 NORTH 20TH AVENUE	
C	±.015	GENERAL FABRICATION SPECIFICATION 98081 IS A PART OF THIS DRAWING		PHOENIX, ARIZONA 85016	
D	±.020	THE EQUIPMENT AND DESIGN SHOWN ON THIS DRAWING ARE THE EXCLUSIVE PROPERTY OF UNITED CONVEYOR CORPORATION		DRAWN BY: J.M. [Signature]	
E	±.030	THIS DRAWING, OWNED BY UNITED CONVEYOR CORPORATION, IS LOANED TO YOU BY THE COMPANY AND IS NOT TO BE REPRODUCED OR COPIED IN ANY MANNER OR TO BE USED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF UNITED CONVEYOR CORPORATION. RETURN TO THE COMPANY UPON REQUEST.		CHECKED BY: J.M. [Signature]	
F	±.040	REVISIONS		APPROVED BY: J.M. [Signature]	
G	±.050	DATE: 5-6200-1		SHEET 2 OF 3	





**MANUFACTURING NOTES:**

- 1 - ANTI-SEIZE LUBRICANT SHALL BE APPLIED BY BRUSH TO THREADED FASTENERS DURING ASSEMBLY OF ALL COMPONENTS EXPOSED TO FLT ASH.
- 2 - COAT TAIL END JOINT OF STUB SHAFT AND ALL BOLT AND NUT JOINTS ON HOLLOW SQUARE TUBING WITH SEALANT #45507-8 AT ASSEMBLY: (2) PLACES FOR STUB SHAFTS, AND (16) PLACES FOR BOLT HEADS AND NUTS.
- 3 - GASKET WITH ADHESIVE BACKING P/N 45546, TO BE ATTACHED TO REMOVABLE COVER PLATES, NOT TO TROUGH SURFACE.
- 4 - TRIM SEALS P/N 408969-1 TO BE INSTALLED WITH GLUE ONLY AT BUTT JOINT. USE MITERING TOOL GS FOR CORNER FORMING. CUT TRIM SEAL SQUARE. BOND CLEAN DRY ENDS OF TRIM SEAL TOGETHER USING GLUE PER UCC SPECIFICATION #455031. FOLLOW MANUFACTURING INSTRUCTIONS ON GLUE PACKAGE. BUTT JOINT TO BE LOCATED UNDER HINGE.
- 5 - INSERT 3/8" NPT NIPPLE, 3/8" NPT STREET ELBOW AND 3/8" FNPT COUPLING BETWEEN GREASE FEEDER AND ITS BASE COUPLER (SUPPLIED TOGETHER AS P/N 40716-2). WHEN INSTALLING SEAL GREASER ON DRIVE END OF MIXER AS SHOWN.
- 6 - ATTACH PADDLES TO SHAFT BRACKETS SO THAT THE STAINLESS STEEL BOLT HEAD IS ON THE FACE SIDE OF THE PADDLE AND BRASS NUT IS ON THE BRACKET ANGLE SIDE, AS SHOWN ON DETAIL L (SHEET 2 OF 3).
- 7 - SEAL 1/4" x 5" WIDE GAP BETWEEN CHANNELS WITH SEALANT #45507-8. WHEN SEALANT SETS UP, REMOVE EXCESS WITH A SHARP KNIFE SO SURFACE IS SMOOTH-TYPICAL BOTH ENDS.
- 8 - ADHESIVE BACKING GASKET (P/N 408973-1) TO BE APPLIED AT ASSEMBLY.

**SHIPPING NOTES:**

- 9 - UNIT TO BE SHIPPED FULLY ASSEMBLED.
- 10 - INSERT PIPE PLUG IN WATER SUPPLY CONNECTION PIPE.

**INSTALLATION NOTES:**

- 11 - REFER TO PADDLE MIXER/UNLOADER INSTALLATION, OPERATION, AND MAINTENANCE INSTRUCTION MANUAL FORM # 91066.
- 12 - INSTALL PADDLE MIXER/UNLOADER PARALLEL TO FLOOR WITHIN 2/4". USING THE LEVELING SCREWS ON MIXER FOOT PADS.
- 13 - REMOVE PIPE PLUG FOR WATER SUPPLY CONNECTION.
- 14 - FOR WATER SUPPLY LINE SIZE SEE CONTROL DIAGRAM.
- 15 - FILL REDUCERS WITH OIL BEFORE OPERATING (SEE INSTRUCTION MANUAL).
- 16 - MIXER IS SHIPPED WITH SPROCKET FOR 3T RPM PADDLE SHAFT OPERATION WITH A 50 HZ OR 60 HZ MOTOR, FOR 30 RPM SPEED WITH 50 HZ MOTOR USE SPROCKET 36302-151 WITH 60 HZ MOTOR USE SPROCKET 36302-14.
- 17 - UNIT IS SHIPPED WITHOUT OIL IN GEAR REDUCERS. OIL IS NOT FURNISHED BY UCC SEE INSTRUCTION MANUAL FOR OIL TYPE, AMOUNT, AND FILLING INSTRUCTIONS.
- 18 - UNIT IS SHIPPED FULLY GREASED. EXTRA GREASE IS NOT FURNISHED BY UCC SEE INSTRUCTION MANUAL FOR GREASE TYPE AND LUBRICATING INSTRUCTIONS.
- 19 - INSTALL ELECTRIC MOTOR BASE WITH ADJUSTING NUT AND THRUST BEARING ON TOP.

**OPERATION NOTES:**

- 20 - BEFORE TURNING ON THE MIXER:
  - a) READ THE INSTRUCTION MANUAL, UCC P/N 91074
  - b) CHECK TIMING BELT TENSION AND RE-TIGHTEN IT IF NECESSARY (SEE INSTRUCTION MANUAL).
  - c) CHECK THE POSITION OF PADDLES - LOOKING FROM DISCHARGE END OF THE TROUGH (USE HINGED DOOR). THE LAST PADDLE OF ONE SHAFT SHOULD LOOK UP WHILE THE LAST PADDLE OF THE OTHER SHAFT SHOULD LOOK DOWN.

**MAINTENANCE NOTES:**

- 21 - ● INDICATES ITEMS RECOMMENDED FOR SPARE PARTS.

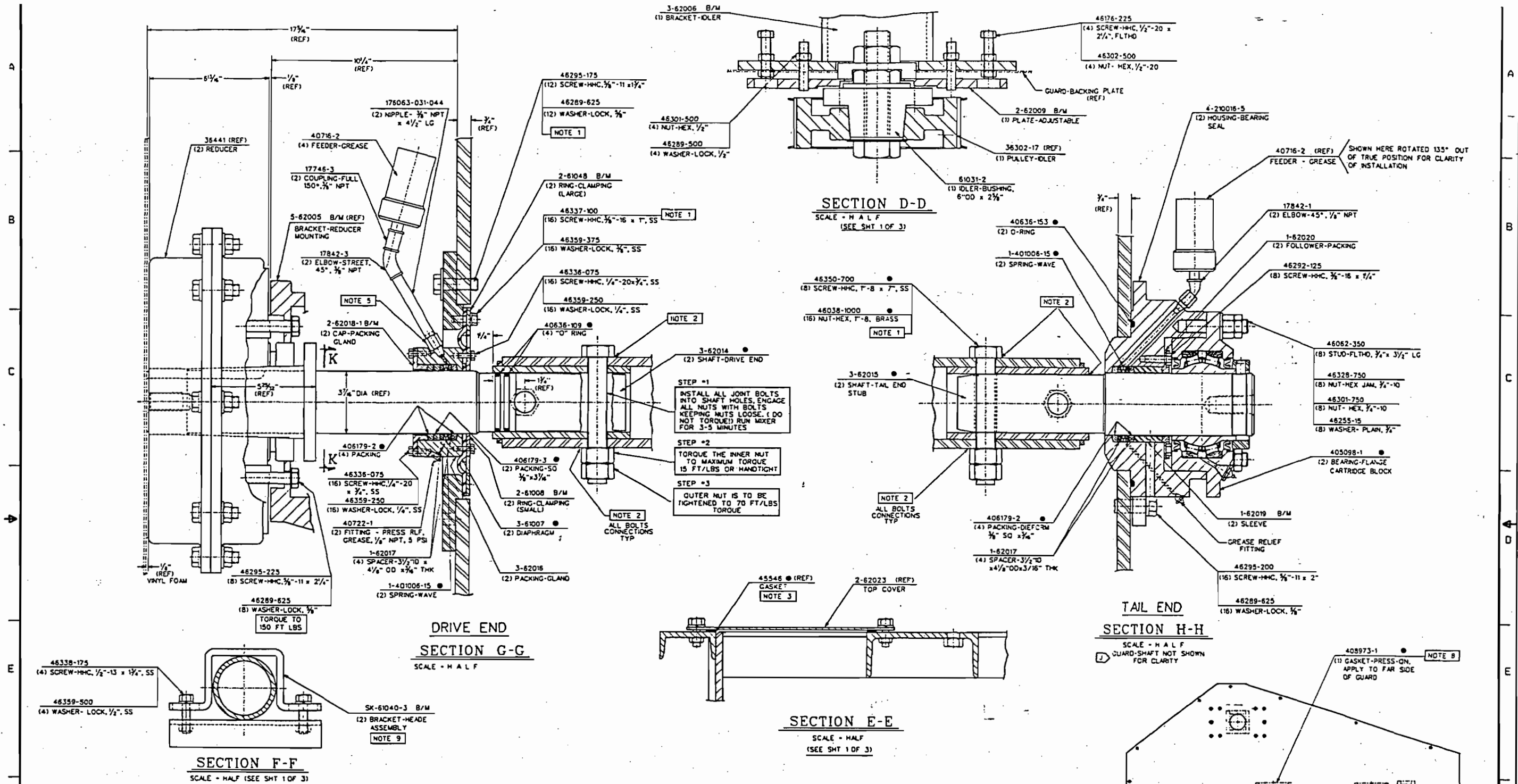


VINYL FOAM INSTALLATION ON GUARD BACK PLATE  
RIGHT HAND BACK PLATE SHOWN  
SCALE - 1/4"

REV.	DATE	DESCRIPTION	BY	CHECKED
1	7/91	ISSUED FOR PRODUCTION		
2				
3				
4				
5				
6				
7				
8				
9				
10				

TOLERANCES EXL. W/L UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE TO BE PER FUNCTIONAL SPECIFICATIONS UNLESS OTHERWISE SPECIFIED IN THIS DRAWING	PADDLE MIXER/UNLOADER MODEL - 3037/30
GENERAL FABRICATION SPECIFICATION UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE TO BE PER FUNCTIONAL SPECIFICATIONS UNLESS OTHERWISE SPECIFIED IN THIS DRAWING	UNITED CONVEYOR CORPORATION 1200 W. 10TH ST. S.W. MINNEAPOLIS, MN 55408
THE COMPANY AND ITS WORKERS OR ANY OTHERS ARE NOT RESPONSIBLE FOR THE CONSEQUENCES OF THE USE OF THIS DRAWING IN ANY MANNER OR FOR THE RESULTS OF SUCH USE. THE COMPANY AND ITS WORKERS SHALL NOT BE HELD RESPONSIBLE FOR THE RESULTS OF SUCH USE. THE COMPANY AND ITS WORKERS SHALL NOT BE HELD RESPONSIBLE FOR THE RESULTS OF SUCH USE.	SCALE - H.A.L.F. DRAWING NUMBER 5-6200-1 SHEET 3 OF 3



**MANUFACTURING NOTES:**

- ANTI-SEIZE LUBRICANT SHALL BE APPLIED BY BRUSH TO THREADED FASTENERS DURING ASSEMBLY OF ALL COMPONENTS EXPOSED TO FLY ASH.
- COAT TAIL END JOINT OF STUB SHAFT AND ALL BOLT AND NUT JOINTS ON HOLLOW SQUARE TUBING WITH SEALANT #45507-8 AT ASSEMBLY. (2) PLACES FOR STUB SHAFTS, AND (16) PLACES FOR BOLT HEADS AND NUTS.
- GASKET WITH ADHESIVE BACKING P/N 45546, TO BE ATTACHED TO REMOVABLE COVER PLATES, NOT TO TROUGH SURFACE.
- TRIM SEALS P/N 408969-1 TO BE INSTALLED WITH GLUE ONLY AT BUTT JOINT. USE WATERING TOOL GS FOR CORNER FORMING. CUT TRIM SEAL SQUARE. BOND CLEAN DRY ENDS OF TRIM SEAL TOGETHER USING GLUE PER UCC SPECIFICATION #455031. FOLLOW MANUFACTURING INSTRUCTIONS ON GLUE PACKAGE. BUTT JOINT TO BE LOCATED UNDER HINGE.
- INSERT 1/2" NPT NIPPLE, 1/2" NPT STREET ELBOW AND 1/2" FNPT COUPLING BETWEEN GREASE FEEDER AND ITS BASE COUPLER (SUPPLIED TOGETHER AS P/N 40716-2), WHEN INSTALLING SEAL GREASER ON DRIVE END OF MIXER AS SHOWN.
- ATTACH PADDLES TO SHAFT BRACKETS SO THAT THE STAINLESS STEEL BOLT HEAD IS ON THE FACE SIDE OF THE PADDLE AND BRASS NUT IS ON THE BRACKET ANGLE SIDE, AS SHOWN ON DETAIL L (SHEET 2 OF 3).
- SEAL 1/2" x 5" WIDE GAP BETWEEN CHANNELS WITH SEALANT #45507-8. WHEN SEALANT SETS UP, REMOVE EXCESS WITH A SHARP KNIFE SO SURFACE IS SMOOTH-TYPICAL BOTH ENDS.
- ADHESIVE BACKING GASKET (P/N 408973-1) TO BE APPLIED AT ASSEMBLY.

**SHIPPING NOTES:**

- UNIT TO BE SHIPPED FULLY ASSEMBLED.
- INSERT PIPE PLUG IN WATER SUPPLY CONNECTION PIPE.

**INSTALLATION NOTES:**

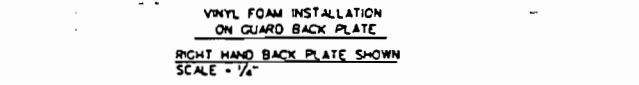
- REFER TO PADDLE MIXER/UNLOADER INSTALLATION, OPERATION, AND MAINTENANCE INSTRUCTION MANUAL FORM # 91066.
- INSTALL PADDLE MIXER/UNLOADER PARALLEL TO FLOOR WITHIN 2 1/4". USING THE LEVELING SCREWS ON MIXER FOOT PADS.
- REMOVE PIPE PLUG FOR WATER SUPPLY CONNECTION.
- FOR WATER SUPPLY LINE SIZE SEE CONTROL DIAGRAM.
- FILL REDUCERS WITH OIL BEFORE OPERATING (SEE INSTRUCTION MANUAL).
- MIXER IS SHIPPED WITH SPROCKET FOR 3T RPM PADDLE SHAFT OPERATION WITH A 50 HZ OR 60 HZ MOTOR, FOR 30 RPM SPEED WITH 50 HZ MOTOR USE SPROCKET 36302-151; WITH 60 HZ MOTOR USE SPROCKET 36302-14.
- UNIT IS SHIPPED WITHOUT OIL IN GEAR REDUCERS. OIL IS NOT FURNISHED BY UCC SEE INSTRUCTION MANUAL FOR OIL TYPE, AMOUNT, AND FILLING INSTRUCTIONS.
- UNIT IS SHIPPED FULLY GREASED. EXTRA GREASE IS NOT FURNISHED BY UCC SEE INSTRUCTION MANUAL FOR GREASE TYPE AND LUBRICATING INSTRUCTIONS.
- INSTALL ELECTRIC MOTOR BASE WITH ADJUSTING NUT AND THRUST BEARING ON TOP.

**OPERATION NOTES:**

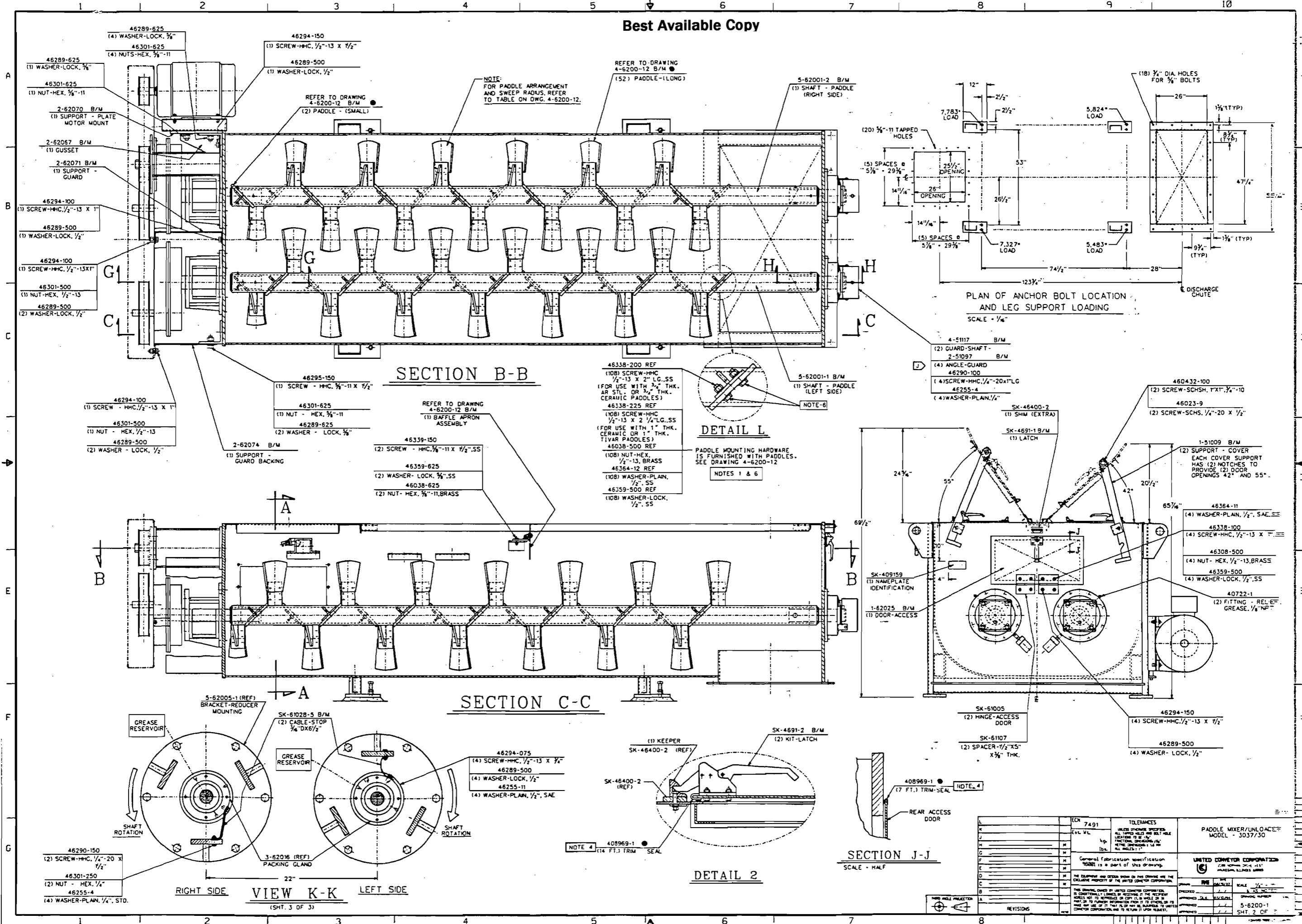
- BEFORE TURNING ON THE MIXER:
  - READ THE INSTRUCTION MANUAL, UCC P/N 91074
  - CHECK TIMING BELT TENSION AND RE-TIGHTEN IT IF NECESSARY (SEE INSTRUCTION MANUAL).
  - CHECK THE POSITION OF PADDLES - LOOKING FROM DISCHARGE END OF THE TROUGH (USE HINGED DOOR) THE LAST PADDLE OF ONE SHAFT SHOULD LOOK UP WHILE THE LAST PADDLE OF THE OTHER SHAFT SHOULD LOOK DOWN.

**MAINTENANCE NOTES:**

- INDICATES ITEMS RECOMMENDED FOR SPARE PARTS.



L		7491	TOLERANCES	PADDLE MIXER/UNLOADER MODEL - 30377-30
K		Est. V/L	UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE TO BE IN INCHES UNLESS OTHERWISE SPECIFIED	
J			General fabrication specification #8088 is a part of this drawing.	UNITED CONVEYOR CORPORATION 2400 WASHINGTON STREET MILWAUKEE, WISCONSIN 53212
I			THE CUSTOMER HAS BEEN ADVISED BY THIS DRAWING OF THE OBLIGATIONS OF THE UNITED CONVEYOR CORPORATION.	
H			THIS DRAWING IS THE PROPERTY OF UNITED CONVEYOR CORPORATION. IT IS LOANED TO YOU BY PERMISSION OF THE CORPORATION. IT IS NOT TO BE REPRODUCED OR COPIED IN ANY MANNER OR FOR ANY PURPOSE WITHOUT THE WRITTEN PERMISSION OF THE CORPORATION. IT IS TO BE RETURNED TO THE CORPORATION WITHIN 10 BUSINESS DAYS OF THE DATE OF RECEIPT.	DRAWING NUMBER 5-6200-1 SHEET 3 OF 3
G			REVISIONS	



PLAN OF ANCHOR BOLT LOCATION AND LEG SUPPORT LOADING  
SCALE - 1/4"

SECTION B-B

SECTION C-C

SECTION J-J  
SCALE - HALF

DETAIL L

DETAIL 2

VIEW K-K  
(SHT. 3 OF 3)

REV	DATE	BY	CHKD	DESCRIPTION
1				ISSUED FOR FABRICATION
2				REVISIONS

UNITED CONVEYOR CORPORATION	SCALE: 1/4"
MODEL: 3037/30	DATE: 1-25-61
DESIGNED BY: [Signature]	CHECKED BY: [Signature]
APPROVED BY: [Signature]	DATE: 1-25-61

NOTE 4: 408969-1 (14 FT.) TRIM SEAL

NOTE 6: 5-62001-1 B/M (1) SHAFT - PADDLE (LEFT SIDE)

NOTES 1 & 6: PADDLE MOUNTING HARDWARE IS FURNISHED WITH PADDLES. SEE DRAWING 4-6200-12

NOTE: FOR PADDLE ARRANGEMENT AND SWEEP RADII, REFER TO TABLE ON DWG. 4-6200-12.

REFER TO DRAWING 4-6200-12 B/M (2) PADDLE - (SMALL)

REFER TO DRAWING 4-6200-12 B/M (52) PADDLE - (LONG)

- 46289-625 (4) WASHER-LOCK, 3/8"
- 46301-625 (4) NUTS-HEX, 3/8"-11
- 46289-500 (1) WASHER-LOCK, 1/2"
- 46294-150 (1) SCREW-HHC, 1/2"-13 X 1 1/2"
- 46301-625 (1) NUT-HEX, 3/8"-11
- 2-62070 B/M (1) SUPPORT - PLATE MOTOR MOUNT
- 2-62057 B/M (1) GUSSET
- 2-62071 B/M (1) SUPPORT - GUARD

- 46294-100 (1) SCREW-HHC, 1/2"-13 X 1"
- 46289-500 (1) WASHER-LOCK, 1/2"
- 46294-100 (1) SCREW-HHC, 1/2"-13X1"
- 46301-500 (1) NUT-HEX, 1/2"-13
- 46289-500 (2) WASHER-LOCK, 1/2"

- 46294-100 (1) SCREW - HHC, 1/2"-13 X 1"
- 46301-500 (1) NUT - HEX, 1/2"-13
- 46289-500 (2) WASHER - LOCK, 1/2"
- 46294-100 (1) SCREW - HHC, 3/8"-11 X 1 1/2"
- 46301-625 (1) NUT - HEX, 3/8"-11
- 46289-625 (2) WASHER - LOCK, 3/8"

- 46339-150 (2) SCREW - HHC, 3/8"-11 X 1 1/2", SS
- 46359-625 (2) WASHER - LOCK, 3/8", SS
- 46038-625 (2) NUT - HEX, 3/8"-11, BRASS

- 46338-200 REF (108) SCREW-HHC 1/2"-13 X 2" LG., SS (FOR USE WITH 3/4" THK. AR STL. OR 3/4" THK. CERAMIC PADDLES)
- 46338-225 REF (108) SCREW-HHC 1/2"-13 X 2 1/4" LG., SS (FOR USE WITH 1" THK. CERAMIC OR 1" THK. TIVAR PADDLES)
- 46038-500 REF (108) NUT-HEX, 1/2"-13, BRASS
- 46364-12 REF (108) WASHER-PLAIN, 1/2", SS
- 46359-500 REF (108) WASHER-LOCK, 1/2", SS

- 4-5117 B/M (2) GUARD-SHAFT - 2-51097 B/M (4) ANGLE-GUARD 46290-100 (4) SCREW-HHC, 1/4"-20X1" LG 46255-4 (4) WASHER-PLAIN, 1/4"

- 460432-100 (2) SCREW-SCHS, 1"X1", 1/4"-10 46023-9 (2) SCREW-SCHS, 1/4"-20 X 1 1/2"

- 1-51009 B/M (2) SUPPORT - COVER EACH COVER SUPPORT HAS (2) NOTCHES TO PROVIDE (2) DOOR OPENINGS 42" AND 55"
- 46364-11 (4) WASHER-PLAIN, 1/4", SAE, SS
- 46338-100 (4) SCREW-HHC, 1/2"-13 X 1"
- 46308-500 (4) NUT - HEX, 1/2"-13, BRASS
- 46359-500 (4) WASHER-LOCK, 1/2", SS

- 40722-1 (2) FITTING - RELIEF GREASE, 1/8" NPT

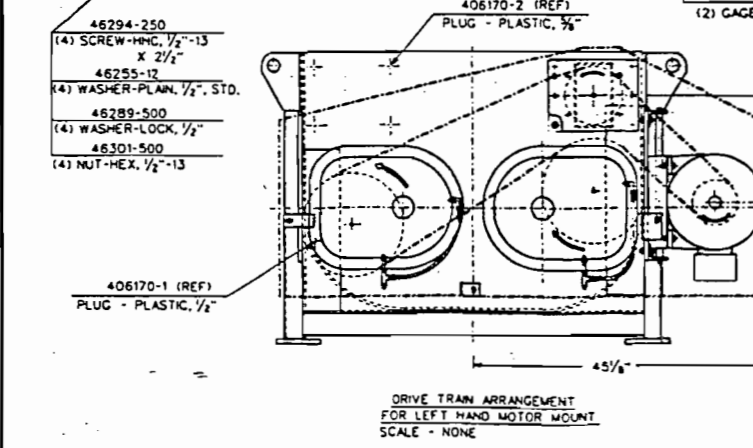
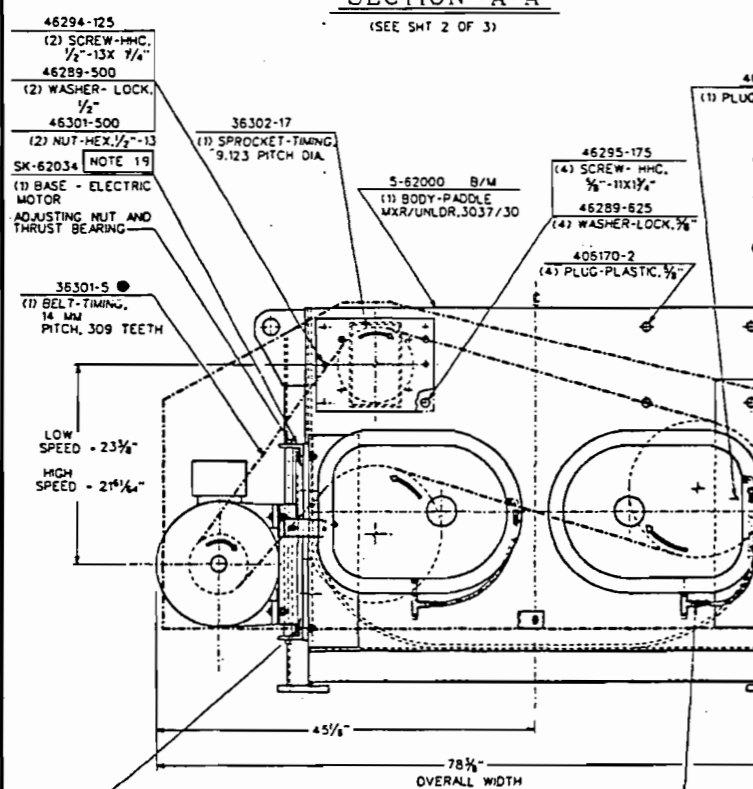
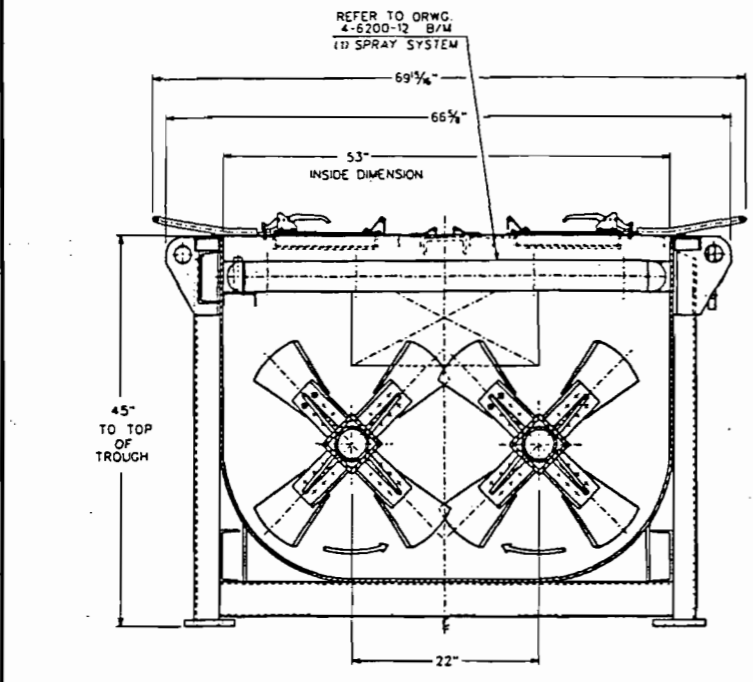
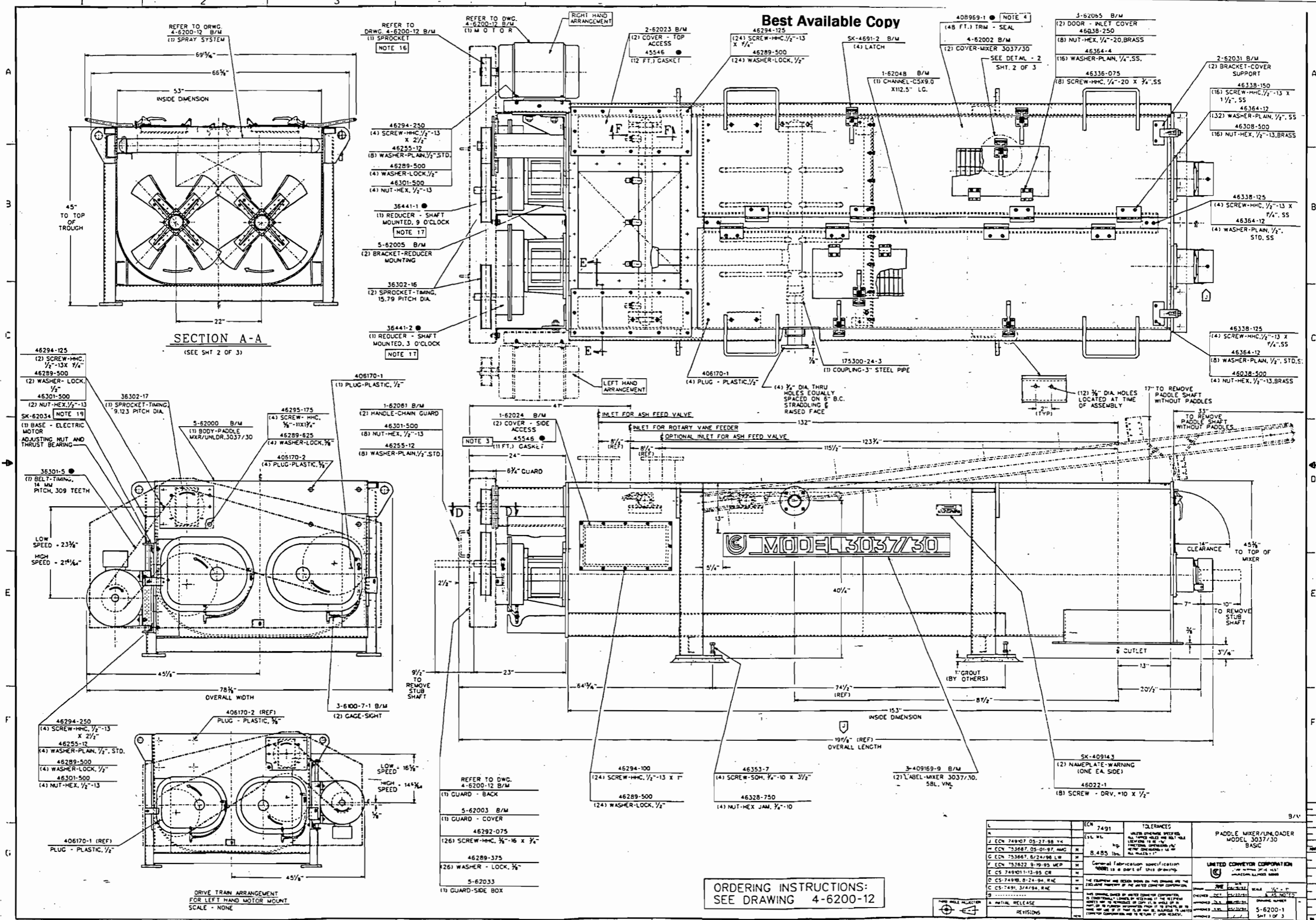
- SK-61005 (2) HINGE-ACCESS DOOR
- SK-61007 (2) SPACER-1/2" X 5" X 3/4" THK.
- 46294-150 (4) SCREW-HHC, 1/2"-13 X 1 1/2"
- 46289-500 (4) WASHER-LOCK, 1/2"

- 408969-1 (7 FT.) TRIM-SEAL
- REAR ACCESS DOOR

- 5-62005-1 (REF) BRACKET-REDUCER MOUNTING
- SK-61028-5 B/M (2) CABLE-STOP 3/8" DX 6 1/2"
- GREASE RESERVOIR
- 46294-075 (4) SCREW-HHC, 1/2"-13 X 1/2"
- 46289-500 (4) WASHER-LOCK, 1/2"
- 46255-11 (4) WASHER-PLAIN, 1/2", SAE
- 3-62016 (REF) PACKING GLAND
- 46290-150 (2) SCREW-HHC, 1/4"-20 X 1 1/2"
- 46301-250 (2) NUT - HEX, 1/4"
- 46255-4 (4) WASHER-PLAIN, 1/4", STD.



Best Available Copy

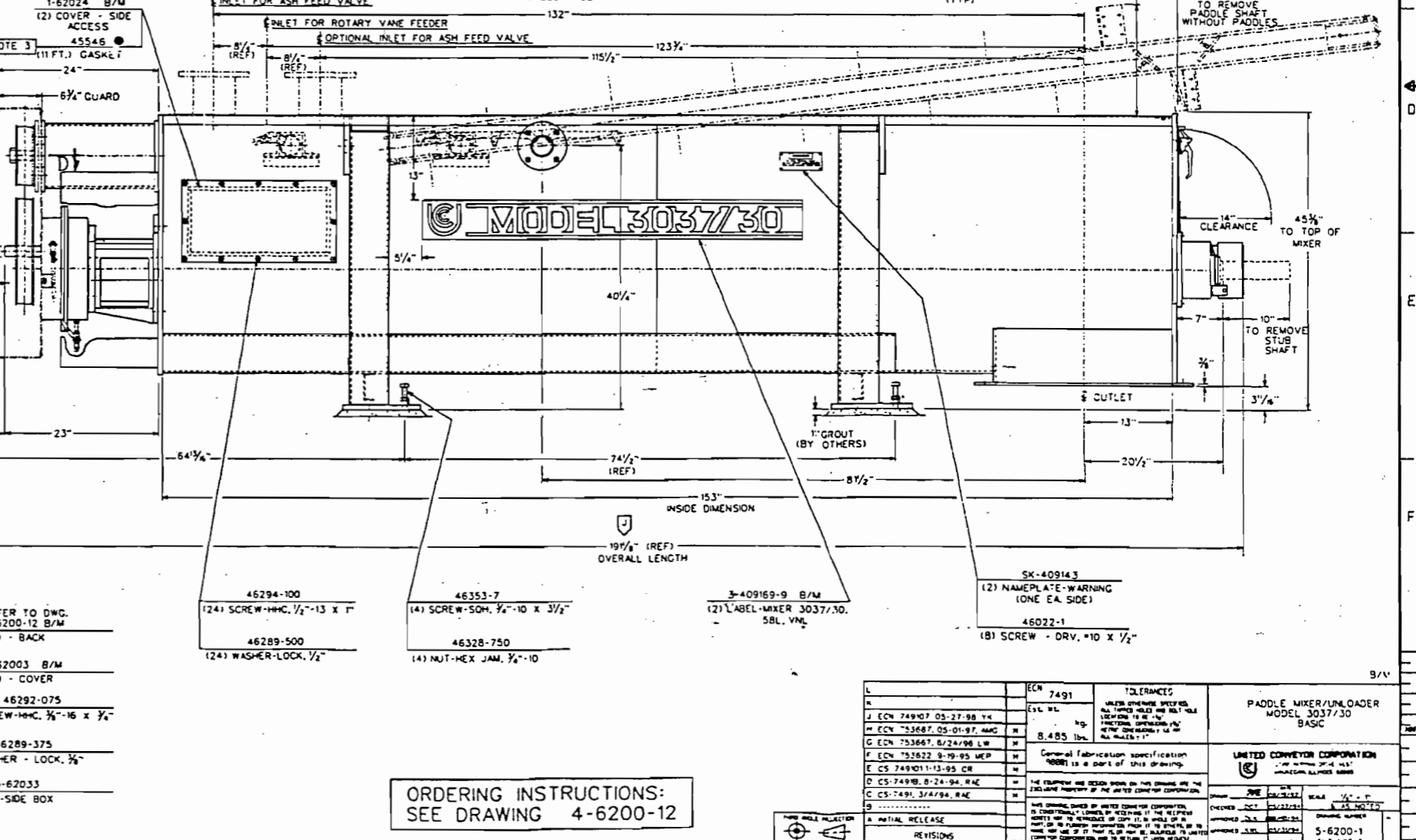
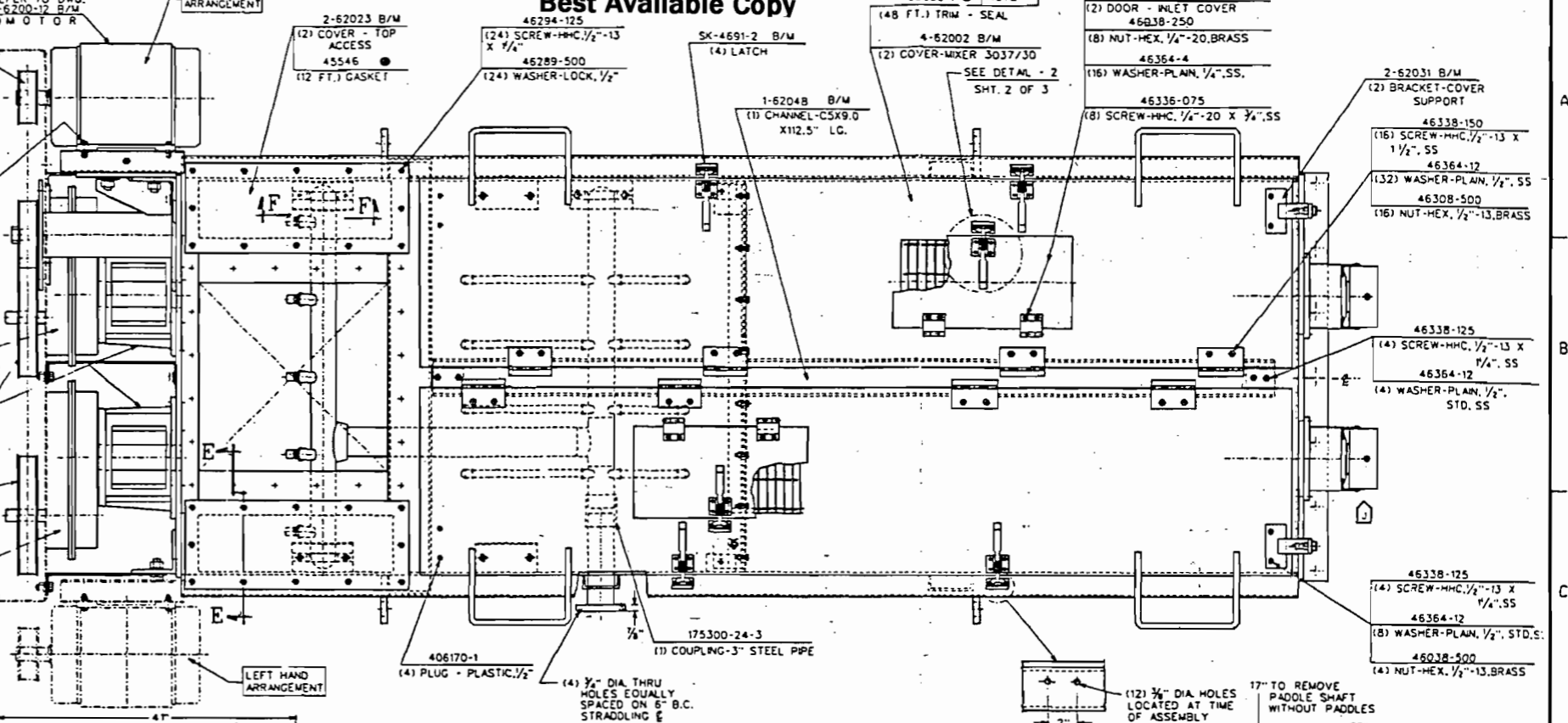


- REFER TO DRWG. 4-6200-12 B/M (1) SPRAY SYSTEM
- 46294-250 (4) SCREW-HHC, 1/2"-13 X 2 1/2"
- 46255-12 (4) WASHER-PLAIN, 1/2" STD.
- 46289-500 (4) WASHER-LOCK, 1/2"
- 46301-500 (4) NUT-HEX, 1/2"-13
- 36441-1 (1) REDUCER - SHAFT MOUNTED, 9 O'CLOCK
- 5-62005 B/M (2) BRACKET-REDUCER MOUNTING
- 36302-16 (2) SPROCKET-TIMING, 15.79 PITCH DIA.
- 36441-2 (1) REDUCER - SHAFT MOUNTED, 3 O'CLOCK

- 408170-1 (1) PLUG-PLASTIC, 1/2"
- 1-62081 B/M (2) HANDLE-CHAIN GUARD
- 46301-500 (8) NUT-HEX, 1/2"-13
- 46255-12 (8) WASHER-PLAIN, 1/2" STD.
- 408170-2 (4) PLUG-PLASTIC, 1/2"
- 46295-175 (4) SCREW-HHC, 3/8"-11X1 1/4"
- 46289-625 (4) WASHER-LOCK, 3/8"

- 408170-1 (REF) (1) PLUG-PLASTIC, 1/2"
- 3-6100-7-1 B/M (2) GAGE-SIGHT
- 46294-100 (24) SCREW-HHC, 1/2"-13 X 1"
- 46289-500 (24) WASHER-LOCK, 1/2"
- 46353-7 (4) SCREW-SOH, 3/4"-10 X 3 1/2"
- 46328-750 (4) NUT-HEX JAM, 3/4"-10

- REFER TO DRWG. 4-6200-12 B/M
- (1) GUARD - BACK
- 5-62003 B/M (1) GUARD - COVER
- 46292-075 (26) SCREW-HHC, 3/8"-16 X 3/4"
- 46289-375 (26) WASHER - LOCK, 3/8"
- 5-62033 (1) GUARD-SIDE BOX



ORDERING INSTRUCTIONS:  
SEE DRAWING 4-6200-12

REV.	DATE	DESCRIPTION	BY	CHKD.
1	7/49	INITIAL RELEASE		
2	8/24/94	REVISIONS		

REV.	DATE	DESCRIPTION	BY	CHKD.
1	7/49	INITIAL RELEASE		
2	8/24/94	REVISIONS		

REV.	DATE	DESCRIPTION	BY	CHKD.
1	7/49	INITIAL RELEASE		
2	8/24/94	REVISIONS		

PADDLE MIXER/UNLOADER  
MODEL 3037/30  
BASIC

UNITED CONVEYOR CORPORATION  
DRAWING NUMBER  
5-6200-1  
SHEET 1 OF 3

# Best Available Copy

**U.S. Postal Service**  
**CERTIFIED MAIL RECEIPT**  
*(Domestic Mail Only; No Insurance Coverage Provided)*

7000 0520 0020 9371 2554

Mr. Bruce Smith, General Manager

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
<b>Total Postage &amp; Fees</b>	<b>\$</b>	

**Recipient's Name (Please Print Clearly) (To be completed by mailer)**  
 Mr. Bruce Smith, General Manager  
 Street, Apt. No.; or PO Box No.  
 P.O. Box 26324  
 City, State, ZIP+4  
 Jacksonville, Florida 32226  
 PS Form 3800, February 2000 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> <li>■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>■ Print your name and address on the reverse so that we can return the card to you.</li> <li>■ Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	<p>A. Received by (Please Print Clearly) <b>Shelly Arnold</b> B. Date of Delivery</p> <p>C. Signature <b>Shelly Arnold</b></p> <p><input checked="" type="checkbox"/> Agent  <input type="checkbox"/> Addressee</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes                  If YES, enter delivery address below: <input type="checkbox"/> No</p> <p style="text-align: center;">JUL 30 1999</p>
<p>1. Article Addressed to:</p> <p>Mr. Bruce Smith, General Manager                  Cedar Bay Generating Company, L.P.                  P.O. Box 26324                  Jacksonville, Florida 32226</p>	<p>3. Service Type</p> <p><input checked="" type="checkbox"/> Certified Mail    <input type="checkbox"/> Express Mail  <input type="checkbox"/> Registered    <input type="checkbox"/> Return Receipt for Merchandise  <input type="checkbox"/> Insured Mail    <input type="checkbox"/> C.O.D.</p>
<p>2. Article Number (Copy from service label)                  7000 0520 0020 9371 2554</p>	<p>4. Restricted Delivery? (Extra Fee)    <input type="checkbox"/> Yes</p>

UNITED STATES POSTAL SERVICE



First-Class-Mail  
Postage & Fees Paid  
USPS  
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4 in this box.

DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF AIR RESOURCES MANAGEMENT  
BUREAU OF AIR REGULATION - TITLE V  
2600 BLAIR STONE ROAD  
TALLAHASSEE, FLORIDA 32399-2400

MS 5505

BUREAU OF AIR REGULATION

FEB 01 2002

RECEIVED



THE FLORIDA TIMES-UNION  
Jacksonville, FL  
Affidavit of Publication

Florida Times-Union

CEDAR BAY GENERATING CO.  
PO BOX 26324  
JACKSONVILLE FL 32236

REFERENCE: 0181153 Jeff Walker  
R76306 Intent To Issue

State of Florida  
County of Duval

Before the undersigned authority personally appeared Valerie Vest who on oath says she is a Legal Advertising Representative of The Florida Times-Union, a daily newspaper published in Jacksonville in Duval County, Florida; that the attached copy of advertisement is a legal ad published in The Florida Times-Union. Affiant further says that The Florida Times-Union is a newspaper published in Jacksonville, in Duval County, Florida, and that the newspaper has heretofore been continuously published in Duval County, Florida each day, has been entered as second class mail matter at the post office in Jacksonville, in Duval County, Florida for a period of one year preceeding the first publication of the attached copy of advertisement; and affiant further says that he/she 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.

PUBLISHED ON: 02/04

FILED ON: 02/04/02

*Valerie Vest*

Name: Valerie Vest Title: Legal Advertising Representative

In testimony whereof, I have hereunto set my hand and affixed my official seal, the day and year aforesaid.

NOTARY:

*Joyce F. Petry*

**INTENT TO ISSUE AN AIR CONSTRUCTION/PSD PERMIT REVISION**

The Department of Environmental Protection (permitting authority) gives notice of its intent to issue an Air Construction/PSD Permit Revision (copies of Draft Air Construction/PSD Permit Revision attached) for the Title V source detailed in the application(s) specified above, for the reasons stated below.

The applicant, Cedar Bay Generating Company, L.P., applied on October 26, 2001 to the Department for a permit modification to increase coal and limestone handling and to install a pug mill on the ash handling facilities at the Cedar Bay Cogeneration Facility, located at 9640 Eastport Road, Jacksonville, Duval County.

The Department has permitting jurisdiction under the provision of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, and 62-212. The above actions are not exempt from permitting procedures. The Department has determined that an air construction permit modification is required to properly authorize the increase in material handling and to recognize the installation of a control device (pug mill) that will allow greater flexibility in removing ash from the site.

The Department intends to issue this air construction permit based on the belief that reasonable assurances have been provided to indicate that these changes will not adversely impact air quality, and that the remaining emission units will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297, F.A.C. The construction permit revision is also necessary in order to avoid any discrepancies between the PSD permit and the previously revised Power Plant Siting Conditions of Certification (PA88-24, Last Modified 05/31/01).

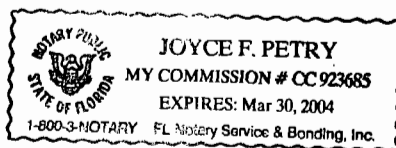
Pursuant to Sections 403.815 and 403.087, F.S., and Rules 62-110.106 and 62-210.350(3), F.A.C., you (the applicant) are required to publish at your own expense the enclosed **"PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION/PSD PERMIT REVISION."** The notice shall be published one time only as soon as possible in the legal advertisement section of a newspaper of general circulation in the area affected. For the purpose of these rules, "publication in a newspaper of general circulation in the area affected" means publication in a newspaper meeting the requirements of Sections 50.011 and 50.031, F.S., in the county where the activity is to take place. Where there is more than one newspaper of general circulation in the county, the newspaper used must be one with significant circulation in the area that may be affected by the permits (construction and revision). If you are uncertain that a newspaper meets these requirements, please contact the permitting authority at the address or telephone number listed below. The applicant shall provide proof of publication to the Department's Bureau of Air Regulation, 2600 Blair Stone Road, Mail Station #5505, Tallahassee, Florida 32399-2400 (Telephone: 850/488-1344; Fax: 850/922-6979), within 7 (seven) days of publication. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permits pursuant to rule 62-110.106, F.A.C.

The Department will issue the final permit with the attached conditions unless a response received in accordance with the following procedures result in a different decision or significant change of terms or conditions.

The Department will accept written comments concerning the proposed Air Construction/PSD Permit issuance action for a period of 14 (fourteen) days from the date of publication of the **"PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION/PSD PERMIT REVISION."** Written comments should be provided to the permitting authority office. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in this Draft Air Construction/PSD Permit, the permitting authority shall issue a Revised Draft Air Construction/PSD 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.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000 (Telephone: 850/488-9730; Fax: 850/487-4938). Petitions filed by the permit's (construction and revision) applicant or any of the parties listed below must be filed within 14 (fourteen) days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 14 (fourteen) days of publication of the



## BEST AVAILABLE COPY

public notice or within 14 (fourteen) days of receipt of this notice of intent, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the permitting authority for notice of agency action may file a petition within 14 (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, F.A.C.

A petition that disputes the material facts on which the permitting authority'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 each 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, as well as the rules and statutes which entitle the petitioner to relief;
- (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 permitting authority'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, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the permitting authority's final action may be different from the position taken by it in this notice of intent. Persons whose substantial interests will be affected by any such final decision of the permitting authority on the application(s) have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation will not be available in this proceeding.

In addition to the above, a person subject to regulation has a right to apply to the Department of Environmental Protection for a variance from or waiver of the requirements of particular rules, on certain conditions, under Section 120.542, F.S. The relief provided by this state statute applies only to state rules, not statutes, and not to any federal regulatory requirements. Applying for a variance or waiver does not substitute or extend the time for filing a petition for an administrative hearing or exercising any other right that a person may have in relation to the action proposed in this notice of intent.

The application for a variance or waiver is made by filing a petition with the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. The petition must specify the following information:

- (a) The name, address, and telephone number of the petitioner;
- (b) The name, address, and telephone number of the attorney or qualified representative of the petitioner, if any;
- (c) Each rule or portion of a rule from which a variance or waiver is requested;
- (d) The citation to the statute underlying (implemented by) the rule identified in (c) above;
- (e) The type of action requested;
- (f) The specific facts that would justify a variance or waiver for the petitioner;
- (g) The reason why the variance or waiver would serve the purposes of the underlying statute (implemented by the rule); and,
- (h) A statement whether the variance or waiver is permanent or temporary and, if temporary, a statement of the dates showing the duration of the variance or waiver requested.

The Department will grant a variance or waiver when the petition demonstrates both that the application of the rule would create a substantial hardship or violate principles of fairness, as each of those terms is defined in Section 120.542(2), F.S., and that the purpose of the underlying statute will be or has been achieved by other means by the petitioner.

Persons subject to regulation pursuant to any federally delegated or approved air program should be aware that Florida is specifically not authorized to issue variances or waivers from any requirements of any such federally delegated or approved program. The requirements of the program remain fully enforceable by the Administrator of the United States Environmental Protection Agency and by any person under the Clean Air Act unless and until the Administrator separately approves any variance or waiver in accordance with the procedures of the federal program.