# RESOLUTION NO. R-94- 642

# RESOLUTION APPROVING ZONING PETITION EAC92-13(A) DEVELOPMENT ORDER AMENDMENT PETITION OF NEW HOPE SUGAR CO.

WHEREAS, the Board of County Commissioners, as the governing body of Palm Beach County, Florida, pursuant to the authority vested in Chapter 163 and Chapter 125, Florida Statutes, is authorized and empowered to consider petitions relating to zoning; and

WHEREAS, the notice and hearing requirements, as provided for in Article 5 of the Palm Beach County Land Development Code, have been satisfied; and

WHEREAS, Zoning Petition **EAC92-13(A)** was presented to the Board of County Commissioners at a public hearing conducted on May 26, 1994; and

WHEREAS, the Board of County Commissioners has considered the evidence and testimony presented by the petitioner and other interested parties, and the recommendations of the various county review agencies; and

WHEREAS, this approval is subject to Article 5, section 5.8 (Compliance with Time Limitations), of the Palm Beach County Land Development Code and other provisions requiring that development commence in a timely manner; and

WHEREAS, the Board of County Commissioners made the following findings of fact:

- 1. This Development Order Amendment is consistent with the Palm Beach County Comprehensive Plan.
- 2. This Development Order Amendment complies with relevant and appropriate portions of Article 6, Supplementary Use Standards of the Palm Beach County Land Development Code.
- 3. This Development Order Amendment is consistent with the requirements of the Palm Beach County Land Development Code.
- 4. This Development Order Amendment, with conditions as adopted, is compatible as defined in the Palm Beach county Land Development Code and generally consistent with the uses and character of the land surrounding and in the vicinity of the land proposed for development.
- 5. This Development Order Amendment, with conditions as adopted, complies with standards imposed on it by applicable provisions of the Palm Beach County Land Development Code for use, layout, function, and general development characteristics.
- 6. This Development Order Amendment meets applicable local land development regulations.
- 7. This Development Order Amendment, with conditions as adopted, minimizes adverse effects, including visual impact and intensity of the proposed use on adjacent lands.
- 8. This Development Order Amendment has a concurrency reservation and therefore complies with Art. 11 (Adequate Public Facility Standards) of the Palm Beach County Land Development Code.

- 9. This Development Order Amendment, with conditions as adopted, minimizes environmental impacts, including but not limited to water, air, stormwater management, wildlife, vegetation, wetlands and the natural functioning of the environment.
- 10. This Development Order Amendment, with conditions as adopted, will result in logical, timely and orderly development patterns.

WHEREAS, Article 5 of the Palm Beach County Land Development Code requires that the action of the Board of County Commissioners be adopted by resolution.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF PALM BEACH COUNTY, FLORIDA, that Zoning Petition **EAC92-13(A)**, the petition of New Hope Sugar Co,, for a DEVELOPMENT ORDER AMENDMENT in the Agriculture Production (AP) **Zoning** District, to amend Condition K.l of Resolution R-93-555 (use limitations), previously approved on **a** parcel of land legally described in EXHIBIT A, attached hereto and made a part hereof, and generally located on a vicinity sketch as shown on EXHIBIT B, attached hereto and made a part hereof, was approved on May 26, 1994, subject to the conditions of approval described in EXHIBIT C, attached hereto and made a part hereof.

Commissioner Foster moved for the approval of the Resolution.

The motion was seconded by Commissioner Aaronson and, upon being put to a vote, the vote was as follows:

Mary McCarty, Chair	 Aye
Burt Aaronson	 Aye
Ken Foster	 Aye
Maude Ford Lee	 Aye
Karen T. Marcus	 Aye
Warren Newell	 Aye
Carol A. Roberts	 Aye

The Chair thereupon declared that the resolution was duly passed and adopted this  $26 \, \text{th}$  day of May, 1994.

APPROVED AS TO FORM AND LEGAL SUFFICIENCY

PALM BEACH COUNTY, FLORIDA BY ITS BOARD OF COUNTY COMMISSIONERS

DOROTHY H. WILKEN, CLERK

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Jina M. Blaiderk

#### EXHIBIT A

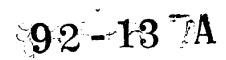
# LEGAL DESCRIPTION

# LEGAL DESCRIPTION FOR CONGENERATION FACILITY

Being a parcel of land lying within sections 8 and 17, Township 42 South, Range 38 East, Palm Beach County Florida Said parcel being more particularly described as follows:

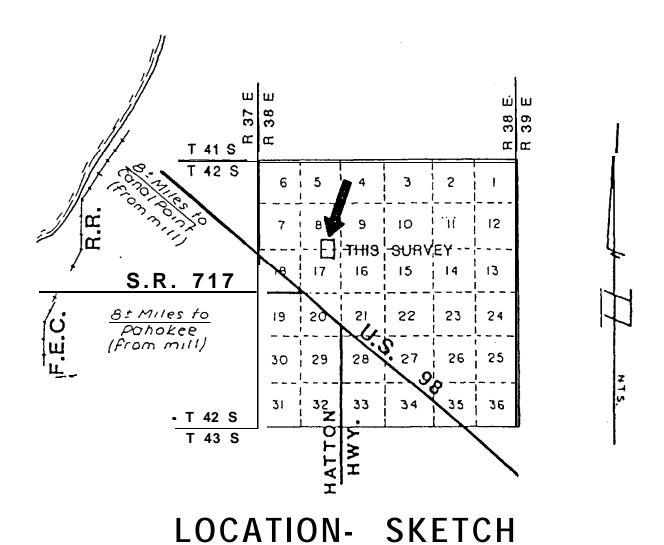
Commence at the southeast comer of said Section 8, thence N 89° 52' 20" west (bearing assumed and all other bearings are relative thereto) along the South line of said Section 8 a distance of 979.66 feet to the Point of Beginning of the following described parcel; thence S 00° 07' 40" W a distance of 603.60 feet; thence N 89" 52' 20" W parallel with and 603.60 feet South of the Southline of said Section 8 a distance of 1650.00 feet; thence N 00° 07' 40" E a distance of 1320.00 feet; thence S 89° 52' 20" E parallel with and 716.40 feet North of the Southline of said Section 8 a distance of 1650.00 feet; thence S 00" 07' 40" W a distance of 716.40 feet to the Point of Beginning.

Containing 50 00 Acres more or less.



# EXHIBIT B

# VICINITY SKETCH



petition No. EAC92-13(A)

#### EXHIBIT C

#### CONDITIONS OF APPROVAL

NOTE: All previous conditions of approval are shown in **NOLD** and will be carried forward with this petition unless expressly modified herein.

# A. AIR QUALITY

- 1. Petitioner shall:
  - Prior to initial start up, install all air pollution control devices and processes required by the Florida Department of Environmental Regulation (DERM), the United States Environmental Protection Agency (EPA), and as described in the environmental report attached hereto and made a part hereof (Exhibit A) to include, but not be limited to:
    - (1) an electrostatic precipitator, designed for at least 98% removal of particulate matter or equivalent;
    - (2) a thermal D-NOx system designed for at least 40% removal- of oxides of nitrogen, or equivalent; and
    - (3) **an** activated carbon injection system for control of mercury emissions, or equivalent.
  - b. Continuously monitor and record exhaust **gas** opacity, oxides of nitrogen, and carbon monoxide.
  - c. Test stack emissions according to DER and EPA standards at least once every six months for particular matter, oxides of nitrogen, carbon monoxide, sulfur dioxide, lead, mercury and volatile organic compounds for the first two years of operation. If the test results for the first two years of operations indicate the facility is operating in compliance with the terms of approval and of applicable permits and regulations, the test will thereafter occur as required by the respective DER and EPA permits, with the exception that stack emissions will be tested annually for mercury. In the event the results of the first two years of testing show non-compliance, then the frequency of testing shall continue to occur onae every six months until the facility achieves a sustained two-year period of compliance.
  - d. Not exceed the total actual annual emissions from the existing boilers and those aurrently permitted for construction at this facility. Except for particulate matter and sulfur dioxide, the following figures represent the best available estimates for the actual aurrent emissions. These emissions, in tons per year, by pollutant, are:

(1) Particulate Ratter: 311.3
(2) Oxides of Ritrogen 478.9
(3) Carbon Monoxide: 5,895.4
(4) Volatile Organio Compounds: 218.1
(5) Mercury: 0.0141

- (6) With regard to **sulfur** dioxide **emissions**, the following anaditions shall pplyx
  - (a) If used, coal shall be of the low su.fur variety, and shall not exceed 0.7% su.fur by weight.
  - (b) Fuel oil shall be limited to low sui.fur No. 2 distillate oil and shall not exceed 1% sulfur by reight.
  - (c) Coal consumption shall not exceed 25% of the total heat input in any calendar quarter.

(Paragraphs (d) through (h) apply to total sulfur dioxide emissions for the combined facilities of petitions 92-13 and 92-14.)

- (d) Shall not exceed the current emissions of the proposed project (an average of 1000 tons of sulfur dioxide. If the life of the project exceeds thirty years, the total allowable lifetime emissions will be adjusted proportionately.
- (e) For the case that the Palm Beach County governsent sakes available 200,000 cons of biomass fuel per year to the cogeneration facilities in Petitions 92-13 and 92-14, under the same terms and conditions as those in the existing Okeelanta/Palm Beach Solid Wiste Authority mod-waste Agreement, the petitioner shall:
  - not exceed 1500 tons of sulfur dioxide for that year.
  - 2) not exceed an average of 1300 tons of sulfur dioxide for bach five year incremental period.
- (f) For the case that the Palm Beach County government cannot make available the 200,000 tons of biomass fuel per year to the cogeaeratioa facilities in Petittons 92-13 and 92-14, the petitioaer shall:
  - not exceed 1700 **tons** of sulfur dioxide for that year.
  - 2) not exceed an average of 1500 tons of sulfur dioxide for each ten year incremental periol.
- (g) The allowable average sulfur dio kide emissions for the five and tea pear increxental periods described above shall be calculated on a weighted average for any period in which both oases occur (years in which biomass is nade available/years in which biomass is not made available.)

- (h) Sulfur dioxide emissions shall include all emissions from the proposed projects in Petition8 92-13 and 92-14 and the aurreatly existing boilers at the Okeelaata and Osoeola facilities i! in operation during initial project operation.
- e. **Employ** all methods to **control** unconfined dust and particulate **emissions**, required by local, state and/or federal agencies.
- f. Request in all applications to DER and EPA that the above conditions become part of the corresponding permits. (Previously Condition A.1 of Resolution R-93-339, Petition 92-13) (HEALTH)
- During land clearing and site preparation, wetting operations or other soil treatment techniques appropriate for controlling unconfined particulates, including grass seeding and mulching of disturbed areas, shall be undertaken and implemented by the Petitioner to comply with state and federal air standards. (Previously Condition A.2 of Resolution R-93-339, Petition 92-13) (ZONING-Health)
- 3. With the exception of clearing for access roads, survey lines, construction trailera, equipmeat staging areas, fencing, and specific building sites, coaatructioa shall commence within 90 days after completion of clearing and grading. Any cleared zones or areas not necessary to the operation of the site shall be planted in grass within 90 days after establishueat of finished grade. (Previously Condition A.3 of Reso. R-93-339, Petition 92-13) (ZONING)
- 4. The petitioner shall comply at all time8 with the requirements of all permits issued by all agencies having jurisdiction over the facility. (Previously Condition A.4 of Resolution R-93-339, Petition 92-13) (HEALTH-ERM)

## B. <u>BUILDING AND SITE DESIGN</u>

- 1. Maximum total floor area shall be limited to 10% of the total lot area of the subject property. (Previously Condition B.l of Resolution R-93-339, Petition 92-13) (BUILDING-Zoning)
- 2. Prior to site plan certification, the site plan shall be amended to iadioate a maximum five (5) acre building envelope on the site and the square footage to be contained therein. All construction and development of the principal structure and accessory facilities shall oaour within this envelope. All accessory uses indicated on the site plan outside of the building envelope shall be subjeat to the requirements and regulations of Section 402.7(E)2(b) (Site Plan Review Committee Powers and Standards of Review). Uses and building locations within the envelope shall not be subject to this requirement. (Previously Condition B.2 of Resolution R-93-339, Petition 92-13) (ZONING)

# C. **ENVIRONMENTAL** RESOURCES **MANAGEMENT**

- Plans for all underground and above ground storage tanks must be approved by the Department of Environmental Resources Management prior to installation. The petitioner shall perform all necessary preventalive measures to reduce the chanaes of contamination of the groundwater. Double walled tanks and piping rith aorroaion protection or their equivalent shall be a part of those measures. (Previously Condition C.1 of Resolution R-93-339, Petition 92-13) (BUILDING-ERM)
- 2. Secondary containment for stored Regulated Substances, including but not limited to fuels, oils, solvents, or other hazardous chemiaala, is required. Department of Environmental Resources Management staff are willing to provide guidance on appropriate protective measures. (Previously Condition C.2 of Resolution R-93-:39, Petition 92-13) (BUILDING-ERM)
- 3. All new excavated lakes shall possess a littoral shelf area. A littoral shelf shall be an area with a slope not greater six (6) feet horizontal to one (1) foot vertical, ranging in depth from ordinary high water (OHW) or the controlled water level (CWL) to four feet below OHI or CWL. A minimum of 30% of the surface area of all likes shall be planted with native aquatic vegetation CD a minimum of three foot centers.
  - a. A littoral shelf planting plan and maintenance plan shall be submitted to the Department of Environmental Resources Management concurrent with lite Plan Review application and approved by ERM prior to Bite Plan certification. This information shall also be provided on a mylar for the Zoning Division as part of the site plan application. (ERM)
  - b. Prior to the issuance of a Certificate of Occupincy and within three working days of the completion of littoral plantings ERM shall be notified. This planting shall not be credited as compensation required by wetland permits. (Previously Condition C.3 of Resolution R-93-339, Petition 92-13) (BUILDING-ERM)

## D. <u>EXOTIC SPECIES</u>

 Areas disturbed as a result of the construction of the cogeneration facility and transmission lines shall be continually maintained to be free of Brazilian Pepper, Australian Pine and Melaleuca. (Previously Condition D.l of Resolution R-93-339, Petition 92-13) (BUILDING-Zoning)

# E. <u>ENGINEERING</u>

The Developer shall provide discharge control and treatment for the stormwater runoff in aacordanae with all applicable agency requirements in effect at the sine of the permit application. However, at a minimum, this development shall retain onsite the stormwater runoff generated by a three (3) year-one (1) hour storm with a total rainfall of 3 inches as required by the Permit Section, Land Development Division. The drainage system shall be maintained in an acceptable condition as approved by the County Engineer. In the event that the drainage system is not adequately maintained as determined by the County Engineer, this matter will be referred to the Code Enforcement Board for enforcement (Previously Condition E.1 of Resolution R-93-339, Petition 92-13.) (COUNTY ENGINEER)

2. If required by the County Engineer or the South Florida
Rater Management District the Developer shall design the
drainage system such that drainage from those areas which
may contain hazardous or undesirable waste shall be
separate from stormwater runoff from the remainder of the
site (Previously Condition E.2 of Resolution R-93-339,
Petition 92-13.) (COUNTY ENGINEER)

# F. HEALTH

- 1. Potable water supply for the propose4 project is to be provided by a reverse osmosis non-transient non-community water supply system in accordance with Chapter 17-550 & 17-555, F.A.C. (Previously Condition F.l of Resolution R-93-339, Petition 92-13) (HEALTH)
- 2. Sewage treatment and disposal for the reference4 project is to be provided by one wastewater treatment plank in accordance with Chapter 17-600's F.A.C. All existing septic tank systems shall be abandoned in accordance with applicable codes. (Previously Condition F.2 of Resolution R-93-339, Petition 92-13) (HEALTH)
- 3. The industrial waste stream generate4 by this site shall be dispose4 of in accordance with all applicable Plowida DER regulations. (Previously Condition F.3 of Resolution R-93-339, Petition 92-13) (HEALTH)
- 4. Cogeneration boiler fuels shall be limited to Biomass, as defined in Condition K.9. and fossil fuels. The use of fossil fuels shall be limited in accordance with conditions A.1.d.(6)(a), A.1.d.(6)(b) and A.1.d.(c). The use of Biomass Wastes shall include provisions for the substantial exclusion of painted and chemically tremted wood, household garbage, toxic or hazardous materials or wastes and special wastes. This specification must be reviewed and approved by the Palm Beaah County Public Health Unit prior to site plan approval. (Previously Condition F.4 of Resolution R-93-339, Petition 92-13) (HEALTH)
- All fly ash and bottom ash from the **facility which** is produced during any period **in** which fossil fuels are used, **and** thereafter for a reasonable time shall be segregate4 and manage4 as set forth in the ash **management** plan. (Previously condition F.5 of Resolution R-93-139, Petition 92-13) (HEALTH)
- 6. Prior to site plan approval, a detailed ash management plan shall be submitted by the petitioner and approved by the Palm Beach County Public Health Unit. This plan must detail contingencies plans, testing and monitoring of the ash, ash handling and disposal methods, planned spreading locations and identification of environmental impacts and propose4 measures for mitigating these impacts. (Previously condition F.6 of Resolution R-93-2139, Petition 92-13) (HEALTH)
- 7. Prior to site plan approval of the operation of the facility, a detailed fuel management plan shall be submitted and approved by the Palm Beach County Public Health Unit. This plan shall detail location, size, handling procedures, transportation, dust control and fire protection. (Previously Condition F.7 of Resolution R-93-339, Petition 92-13) (HEALTH)

- 8. Prior to site plan approval, the petitioner shall identify all liquid waste streams and provide a complete physical and chemical characterisation of the waste streams which shall include, at a minimum, the following information:
  - A description of the source or proaess associated with the waste stream.
  - b. Volume and flow rates.
  - C. Physical parameters including temperature, **pH**, and total dissolved solids.
  - d. Expected concentrations of pollutants or contaminants, including but not limited to, Witrogen, Phosphorous and other nutrients, mercary, lead and other trace metals, volatile or semivolatile organic compounds, etc.
  - e. A description and detail of any treatment system utilized.
  - f. A description of the disposal or reuse method and identification of all points of discharge. (Previously Condition F.8 of Resolution R-93-339, Petition 92-13) (HEALTH)
- 9. Prior to site plan approval, a detailed **domestic** wastewater management plan shall **be** submitted **and** approved by the Palm Beach County Public Health **Unit.** (Previously Condition F.9 of Resolution R-93-339, Petition 92-13) (HEALTH)
- 10. Prior to site plan approval, a detailed storm water management plan shall be submitted by the petitioner to the south Florida Water Management District (SFWMD) and Palm Beach County Public Health Unit for review and approval. Staff shall coordinate its review with the SFWMD. (Previously Condition F.10 of Resolution R-93-339, Petition 92-13) (HEALTH)
- 11. Prior to site plan approval, a detailed industrial wastewater **management** plan must be submitted to the Department of Environmental Regulation (**DER**) and the Palm Beach County Public Bealth Unit for review and appraval. Staff shall coordinate its review with the **DER**. (**Previously Condition F.11 of Resolution R-93-339**, Petition 92-13) (**HEALTH**)
- 12. Prior to site plan approval, all applicable environmental permits or applications for permits must be obtained or submitted. (Previously Condition F.12 of Resolution g-93-339, Petition 92-13) (HEALTH)

# G. <u>LANDSCAPING</u>

- 1. Prior to site plan certification, the petitioner shall submit a Landscape Betterment Plan for review and approval by the **Zoning** Division. The Landroape Betterment Plan shall demonstrate conformance to all Landscape Code requirements and conditions of approval. (Previously Condition G.1 of Resolution R-93-339, Petition 92-13) (ZONING)
- As an alternative, the petitioner may landscape the site and provide off-site improvements in acaordanae with the Unified Land Development Code, upon adoption. (Previously Condition G.2 of Resolution R-93-339, Petition 92-13) (ZONING)

# H. <u>LIGHTING</u>

1. All outdoor lighting used to illuminate the **premises** and identification signs shall be of low intensity, shielded and directed downward. (Previously Condition H.l of Resolution R-93-339, Petition 92-13) (BUILDING - ('ODE ENF)

# I. <u>PARKING</u>

1. Vehicle parking shall be limited to the parking aleas designated on the approved site plan. No parking of vehicles shall be permitted in landscaped areas, richtof-way or interior drives. (Previously Condition I.:. of Resolution R-93-339, Petition 92-13) (CODE ENF)

## J. TRANSMISSION LINES

- 1. All transmission lines required by this facility are to be constructed in accordance with the National Electric Safety Code. (Previously Condition J.l of Resolution R-93-339, Petition 92-13) (BUILDING)
- 2. All transmission lines leaving the site and required by this facility shall not exceed 138 KV. (Previously Condition J.2 of Resolution R-93-339, Petition 92.13) (BUILDING)

# K. <u>USE LIMITATIONS</u>

1. Condition K.1 of Resolution R-93-339, Petition No. 92.13, which previously stated:

Use of the site shall be limited as follows:

Land Area 50.00 acres

Total Floor Area 217,800 square feet

Maximum Floor Area 10%

Electrical Production 50 mega watt maximum

Fuel Yard 35 acre max. net land area

Is hereby amended to state:

Use of the site shall be limited as follows:

Land Area 50.00 acres

Total Floor Area 217,800 square feet

Maximum Floor Area 10%

Electrical Production 65 mega watt maximum

Fuel Yard 35 acre max. net land area

- 2. Prior to site plan certification, the site plan shall be amended to indicate the location of a truck/vehicle 'ash faaility. This wash facility shall utilize a 100% water recycling system. (Previously Condition K.2 of Resolution R-93-339, Petition 92-13) (ZONING-Building)
- 3. There shall be no repair or maintenance of **Vehicle**; on site. (Previously Condition K.3 of Resolution R-93-339, Petition 92-13) (CODE ENF)
- 4. No outside storage of disassembled vehicles, or parts thereof, shall be permitted on site. (Previously Condition K.4 of Resolution R-93-339, Petition 92-13) (CODE ENF)

- 5. The maximum height, from grade to highest point, for all fuel storage areas shall not exceed fifty (50) fret. (Previously Condition- K.5 of Resolution R-93-.139, Petition 92-13) (BUILDING)
- 6. **Onsite** storage shall be contained within the area designated on Exhibit 48 and shall be processed and stored in a manner which controls fugitive and alust particulate emissions. (Previously Condition K.6 Resolution R-93-339, Petition 92-13) (CODE ENF)
- 7. All vehicles utilizing public rights-of-way to CITY biomass waste (i.e. vegetative matter) to the site siall be equipped, at a minimum, with covering or SCIGORS over top of the open bed of the vehicle to prevent the loss of material during transportation to the facility. (Previously Condition K.7 of Resolution R-93-539, Petition 92-13) (CODE ENF)
- 8. The storage of fuel on site shall be limited to the a:eas designated on *the* certified site plan and shall be limited to the storage of bagasse and biomass waste oily. (Previously Condition K.8 of Resolution R-93-139, Petition 92-13)
- 9. "Biomass Waste" as referred to herein, shall near bagasse, vegetative and woody matter, including material resulting from landscaping, maintenance, land clearing operations, clean wood, cellulose material, tree and shrub trimmings, grass clippings, palm fronds, trees, tree stumps, wood from land development operations, clean wood debris from demolition operations; it shall not include trash, garbage or sludge (FAC 17-701), biohasardous waste (17-712 FAC), or biological waste (17-712 PAC). (Previously Condition K.9 of Resolution R-93-339, Petition 92-13) (SWA)
- 10. The existing boiler facilities shall be abandoned within three (3) years of commercial start up of the cogeneration facility and no later than January 1, 1999. The existing boilers and new facilities shall no: be operated at the same time. (Previously Condition K.10 of Resolution R-93-339, Petition 92-13) (MONITORING-Blding)

# L. WATER SUPPLY

- 1. Construction shall not commence on the project site until it has been demonstrated to the satisfaction of the **South** Florida Water Management District that an **acceptable** and sustainable supply of water during drought **period**: is available to serve the project over and above that necessary to **serve** already approved development. (Previously Condition L.l of Resolution R-93-339, Petition 92-13) (BUILDING-SFWMD)
- 2. The petitioner shall **utilize** all drought-tolerant plants in landscaping on the subject property. (Previously Condition L.2 of Resolution R-93-339, Petition 92-13) (BUILDING-Zoning)
- 3. The petitioner shall use water-saving plumbing fixtures and other water conserving deviaes in restroom8 and employee locker rooms, as specified in the later Conservation Act, Section 553.14, F.S. (Previously Condition L.3 of Resolution R-93-339, Petition 9:-13) (BUILDING)

## M. COMPLIANCE

- 1. As provided in the Palm Beach County Zoning Cole, Sections 400.2 and 402.6, failure to comply with any of these conditions of approval at any time may result in:
  - a. The denial or revocation of a building permit: the issuance of a stop work order: the denial of a Certificate of Occupancy on any building or structure; or the denial or revocation of any permit or approval for any developer-owner, commercial-owner, lessee, or user of the subj mat property: and/or
  - b. The revocation of the Speaial Exception and my zoning which was approved aonaurrently with the Special Exception as well as any previously granted certifications of concurrency or exemptions therefrom; and/or
  - C. A requirement of the development to conform with updated standards of development, applicable at the time of the finding of non-compliance, or the addition or modification of conditions reasonably related to the failure to comply with existing conditions. (Previously Condition M.l of Resolution R-93-339, Petition 92-13) (MONITORING)
- 2. Appeals of any departmental-administrative actions hereunder say be taken to the Palm Beach County Board of Adjustment or as otherwise provided in the Palm Beach County Zoning Code. Appeals of any revocation of Special Exception, Rexoning, or other actions based on a Board of County Commission decision, shall be by petition for writ of certiorari to the Fifteenth Judicial Circuit. (Previously Condition M.2 of Resolution R-93-339, Petition 92-13) (MONITORING)