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AUG 6 1990
DER - BAQM

Florida Power
CORPORATION

August 2, 1990

Mr. Mirza Baig
Florida Department of Environmental Regulation
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Re: Crystal River Units 1, 2, and 3 - Intent to Issue AC09-162037 PSD-FL-139

Dear Mr. Baig:

Enclosed for your use are several original tables and/or figures which relate to the Crystal River Helper Cooling Towers PSD permit.

1. Certified pump curve AT2726-DDD for the Intake Water Pumps (4 copies).

2. Revised Table 1 for PSD-FL-139, Specification and Design Parameters for Helper Cooling Towers 1, 2, and 3. P.E. certified (4 copies).

3. Table 1a for PSD-FL-139, Summary of Particulate Matter Monitoring Data (4 copies).

4. Table 2 for PSD-FL-139, Summary of Point Sources Used in the ISCST Modeling Analysis (4 copies).

5. Table 2 for PSD-FL-139, PM(TSP) and PM10 Impacts Predicted... Modeling Analysis (4 copies).

6. Table 6 for PSD-FL-139, PM(TSP) and PM10 Class II PSD... Modeling Analysis (4 copies).

7. Table 7 for PSD-FL-139, PM(TSP) and PM10 Class I PSD... Modeling Analysis (4 copies).

8. Table 8 for PSD-FL-139, PM10 Predicted AAQS Impacts for Screening Modelilng Analysis (4 copies).

These original tables should be used in the final PSD permit. Please contact me at (813)866-4387 if you have any additional questions.

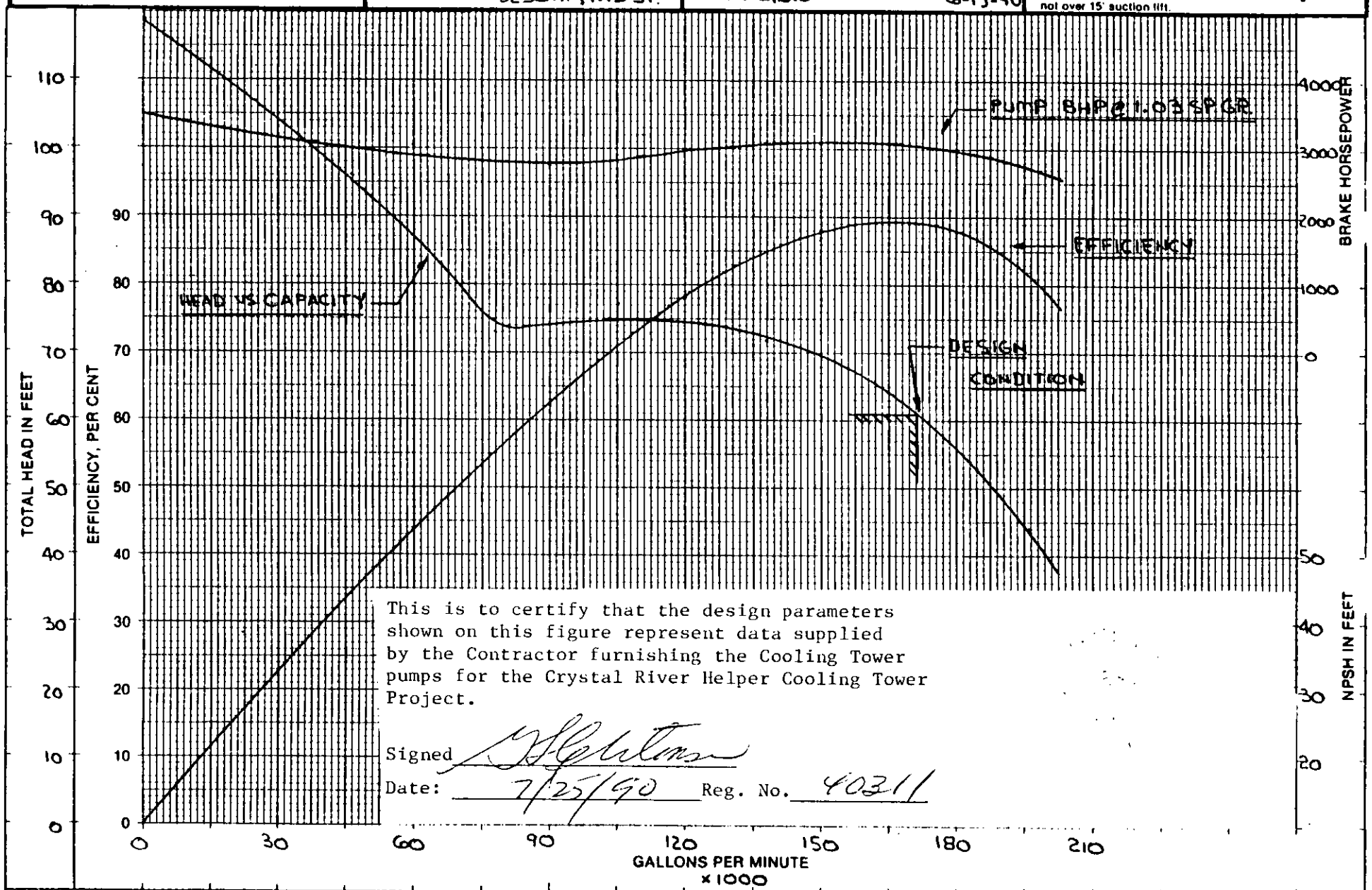
Sincerely,

W. J. Pardue
Air and Water Programs

Enclosures

WJP#8:nmt:MBaig.802

CUSTOMER Florida Power Corp	DESIGN CONDITIONS	**INGERSOLL-RAND**	CURVE AT 2726-DDD
PROPOSAL NO. AT-2726 ITEM	GPM 171,750 EFF 89%	**PUMPS**	PUMP 57APM-1STAGE, HC
SPECIAL NOTES Intake Water Pumps	T.H. (FT.) 61 BHP 3062 SG. 1.03	DRAWN BY M. Radio DATE 6-13-90	Curves are approximate. Pump is guaranteed for one set of conditions. Capacity, head and efficiency guarantees are based on shop test and when handling clear, cold, fresh water at a temperature of not over 85 degrees and not over 15' suction lift.
	RPM 350 DRIVER 3250HP, 1.15SF HP		



This is to certify that the design parameters shown on this figure represent data supplied by the Contractor furnishing the Cooling Tower pumps for the Crystal River Helper Cooling Tower Project.

Signed [signature]

Date: 7/25/90 Reg. No. 40311

CURVE

G—3027—C

TABLE 1

Specification and Design Parameters for Helper Cooling Towers 1, 2, and 3

Parameter	Value For: Preliminary	Final
Number of tower	4	4
Number of fans/tower	9	9
Fan stack height (ft)	52.8	53.7
Fan stack diameter (ft) actual/fan	34.5	37.4
effective diameter using all fans for one tower	103.5	112.2
Fan flow rate (acfm)	1,139,500	1,461,135
Fan stack exit velocity (ft/s)	20.3	22.2
Fan stack exit temperature (^{o}F)	102	102
Tower water flow rate (gpm)	687,000	687,000
Drift rate (percent)	0.004	0.004
Total dissolved solids (ppm)	29,100	29,100
PM(TSP) emissions (lb/hr)	400	400
Building Dimensions, Tower Suppot Structure:		
Building height (m)	12.8	12.1
Building diagonal (m)	167.0	162.5

This is to certify that the design parameters shown on this table represent data supplied by the Contractor furnishing the Cooling Tower for the Crystal River Helper Cooling Tower Project.

Signed [signature]

Date: 7/25/90 Reg. No. 40311

Table 1a

Florida Power Corporation Crystal River Power Plant Summary of Particulate Matter Monitoring Data

Station Number	Time Period	Number of Samples	Percent Data Capture	Annual Geometric Mean ($\mu g/m^3$)	Observed 24-Hour Maximum ($\mu g/m^3$)	Observed 24-Hour 2nd Maximum ($\mu g/m^3$)
2	July 1985-June 1986	57	96.6%	24	46	44
	July 1986-June 1987	58	96.7%	26	57	54
4	July 1985-June 1986	54	91.5%	32	76	61
	July 1986-June 1987	59	98.3%	42	95	88

Note: Particulate Matter measured as total suspended particulate.

Source: Florida Power Corporation.

Table 2

Summary of Point Sources Used in the ISCST Modeling Analysis

Source Number	Source Description	Location (m)[a] X	Location (m)[a] Y	Stack Height (m)	Diameter (m)	Velocity (m/s)	PM (TSP) Temperature (K)	Emissions (lb/hr)	Emissions (g/s)
HCT									
101	Tower 1	240	0	16.1	33.30	6.19	312.0	107	13.48
102	Tower 2	52	0	16.1	33.30	6.19	312.0	107	13.48
103	Tower 3	-203	0	16.1	33.30	6.19	312.0	107	13.48
104	Tower 4	-390	0	16.1	33.30	6.19	312.0	107	13.48
Other Sources:									
110	Unit 4 Cooling Tower	700	911	135.0	65.20	3.32	311.0	175	22.10
120	Unit 5 Cooling Tower	700	665	135.0	65.20	3.32	311.0	175	22.10
130	Units 4 and 5 Power Generation	1,050	732	178.2	7.77	21.03	396.0	1,251	156.6
135	Unit 4 and 5 Coal Baghouses	926	732	42.7	0.84	21.20	310.0	7	0.88
140[b]	Unit 2 Power Generation	639	-310	153.0	4.88	48.77	422.0	463	58.30
150[b]	Unit 1 Power Generation	700	-310	152.0	4.57	40.54	417.0	364	45.90
160	Progress Material Baghouses	517	21	18.3	0.61	11.40	325.0	2	0.21

[a]Origin of coordinate system is located on Tower 2, 52 meters west of center.
[b]Not a PSD increment consuming source.

Table 5

PM(TSP) and PM10 Impacts Predicted for the Proposed Helper Cooling Towers 1, 2, and 3 in the Screening Modeling Analysis

Averaging Period	Year	Impact ($\mu g/m^3$)	Direction (deg)	Distance (m)
PM(TSP)				
Annual	1982	0.47	230	950
	1983	0.43	230	950
	1984	0.51	230	950
	1985	0.44	230	950
	1986	0.44	230	950
24-Hour	1982	3.2	230	950
	1983	3.0	75	2,200
	1984	3.2	75	2,700
	1985	3.5	80	2,200
	1986	3.1	80	2,200
PM10				
Annual	1982	0.13	70	2,700
	1983	0.11	70	2,300
	1984	0.13	65	2,700
	1985	0.20	70	2,200
	1986	0.20	80	2,200
24-Hour	1982	1.6	100	2,200
	1983	1.8	75	2,200
	1984	1.8	75	2,700
	1985	2.1	80	2,200
	1986	1.9	80	2,200

Note: PSD significance levels for PM(TSP) are 1 $\mu g/m^3$ for annual average and 5 $\mu g/m^3$ for 24-hour averaging times, respectively. PSD significance levels currently do not exist for PM10.

Table 6

PM(TSP) and PM10 Class II PSD Increment Consumption for the Screening] Modeling Analysis

Averaging Period	Year	Impact ($\mu g/m^3$)	Direction (deg)	Distance (m)
PM(TSP)				
Annual	1982	4.0	75	2,200
	1983	4.2	75	2,200
	1984	4.5	75	2,200
	1985	5.3	75	2,200
	1986	5.3	75	2,200
24-Hour	1982	25.4	75	2,200
	1983	26.8	80	2,200
	1984	27.9	80	2,200
	1985	27.3	75	2,200
	1986	27.6	80	2,300
PM10				
Annual	1982	2.1	75	2,200
	1983	2.3	75	2,200
	1984	2.4	75	2,200
	1985	2.8	75	2,200
	1986	2.6	75	2,200
24-Hour	1982	14.0	80	2,200
	1983	17.4	80	2,200
	1984	17.8	80	2,300
	1985	16.6	80	2,200
	1986	13.5	75	2,200

Note: PSD Class II increments for PM(TSP) are 19 $\mu g/m^3$ for annual and 37 $\mu g/m^3$ for 24-hour averaging times, respectively. Proposed Class II increments for PM10 are 17 $\mu g/m^3$ for annual and 30 $\mu g/m^3$ for 24-hour averaging times, respectively.

Table 7

PM(TSP) and PM10 Class I PSD Increment Consumption for the Screening Modeling Analysis

Averaging Period	Year	Impact ($\mu g/m^3$) PM(TSP)	PM10
Annual	1982	0.11	0.07
	1983	0.14	0.09
	1984	0.17	0.11
	1985	0.14	0.09
	1986	0.11	0.07
24-Hour	1982	1.6	1.3
	1983	1.7	1.4
	1984	2.3	1.4
	1985	2.3	1.3
	1986	1.6	1.3

Note: PSD Class I increments for PM(TSP) are 5 $\mu g/m^3$ for annual and 10 $\mu g/m^3$ for 24-hour averaging times, respectively. Proposed Class I Increments for PM10 are 4 $\mu g/m^3$ for annual and 8 $\mu g/m^3$ for the 24-hour averaging times, respectively.

Table 8

PM10 Predicted AAQS Impacts for Screening Modeling Analysis

Averaging Period	Year	Impact ($\mu g/m^3$)	Direction (deg)	Distance (m)
Annual	1982	2.5	230	950
	1983	2.5	75	2,200
	1984	2.6	75	2,200
	1985	3.1	75	2,200
	1986	2.9	75	2,200
24-Hour	1982	15.6	80	2,200
	1983	17.7	80	2,200
	1984	18.8	80	2,300
	1985	18.1	30	1,250
	1986	15.7	75	2,200

Note: PM10 AAQS are 50 $\mu g/m^3$ for annual and 150 $\mu g/m^3$ for 24-hour averaging times, respectively.

The 24-hour and annual background concentration due to sources not modeled are assumed to be 54 and 26 $\mu g/m^3$.

Florida Power
CORPORATION

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July 27, 1990

Mr. Dale Twachtmann
Secretary, Department of Environmental
Regulation
c/o Office of General Counsel
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Dear Mr. Twachtmann:

Re: Crystal River Units 1, 2, 3 - Intent to Issue, ACO9-162037, PSD-FL-139

On June 28, 1990 Florida Power Corporation (FPC) requested an extension of time in which FPC could petition for an administrative hearing pursuant to Section 120.57 F.S. The request was necessary because the Department had not taken action to reissue the final permit. Specifically, responsibility for permit issuance had been transferred twice, and the Department was waiting for comments on the draft permit from EPA. In order to expedite processing, Florida Power Corporation contacted EPA and requested that EPA FAX a copy of their comments to DER. This was done on July 11, 1990. Unfortunately, Mr. Mirza Baig stated that the DER would not be able to issue the permit until July 20, 1990.

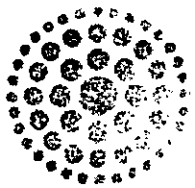
On July 13, 1990, FPC requested an extension of time to request an administrative hearing until July 30, 1990. However, Mr. Mirza Baig will not be able to issue the referenced permit by July 30, 1990. Therefore, FPC respectfully requests another extension of time in which to petition for an administrative hearing until August 31, 1990. Please contact Mr. W. Jeffrey Pardue of my staff (813) 866-4387 if you have any questions.

Sincerely,

Patsy Yeates Baynard

Patsy Yeates Baynard,
Director
Environmental & Licensing Affairs

cc: Mr. C.H. Fancy
PYB/mjr/WJP&Twachtma.Let
B. Andrews
M. Baig
B. Thomas, SW Dist



Florida Power
CORPORATION

July 13, 1990

Mr. Dale Twachtmann
Secretary, Department of Environmental Regulation
c/o Office of General Counsel
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Dear Mr. Twachtmann:

Re: Crystal River Units 1, 2, 3 - Intent to Issue, AC09-162037, PSD-FL-139

On June 28, 1990 Florida Power Corporation (FPC) requested an extension of time in which FPC could petition for an administrative hearing pursuant to Section 120.57 F.S. The request was necessary because the Department had not taken action to reissue the final permit. Specifically, responsibility for permit issuance had been transferred twice, and the Department was waiting for comments on the draft permit from EPA. In order to expedite processing, Florida Power Corporation contacted EPA and requested that EPA FAX a copy of their comments to DER. This was done on July 11, 1990. Unfortunately Mr. Mirza Baig stated that the DER would not be able to issue the permit until July 20, 1990.

Therefore, FPC respectfully requests another extension of time in which to petition for an administrative hearing until July 30, 1990. Certain equipment orders are pending final permit issuance. Significant financial penalties and possible project delays will occur if this permit is not issued by July 20, 1990. These issues have been discussed with Mr. Mirza Baig who stated that the Department did not object to the extension request. Please contact Mr. W. Jeffrey Pardue of my staff (813) 866-4387 if you have any questions.

Sincerely,

Patsy Yeates Baynard,
Director
Environmental & Licensing Affairs

cc: Mr. C.H. Fancy

PYB/mrj/WJP7.Twachtma.Let

M. Baig

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV

345 COURTLAND STREET
ATLANTA, GEORGIA 30365

JUL 10 1990

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

Re: McKay Bay Refuse-to-Energy Facility
Florida Power Corporation, Crystal River

Dear Mr. Fancy:

On June 28, 1990, Mr. Mirza Baig of you staff requested that we provide comments to you regarding the pending permit actions applicable to the above referenced facilities. Our comments on each project are as follows:

MCKAY BAY REFUSE-TO-ENERGY FACILITY

In a letter dated November 30, 1989, from McKay Bay to you, two modifications of the facility's Prevention of Significant Deterioration (PSD) permit are requested.

First, McKay Bay wishes to change the permitted charging rate of 1,000 tons per day to a rate of 7,455 tons per week. This is a similar request to their June 15, 1989, letter to you which McKay Bay requested an increase from a charging rate of 1,000 tons per day to 1,075 tons per day. As our records indicate, we provided you with comments on their June 15, 1989, request via an August 2, 1989, letter. In our letter we informed your agency that the requested increase would appear to trigger a PSD review for several pollutants. As you are aware, the calculation for determining applicability to PSD is based on the difference between old actual emission (the average rate in tons per year that the facility actually emitted the pollutants) and the new potential to emit (allowable emissions). We have not received any revised calculations from your agency or McKay Bay to show that PSD would be avoided if the requested charging rate increase were approved.

Second, McKay Bay has requested that compliance testing be based on a design steam flow of 52,100 pounds per hour per boiler instead of a maximum charging rate. Since the measurement of boiler steam production is a more accurate parameter than charging rate, we are not opposed to this request.

On a related matter concerning McKay Bay, our last conversations with your agency indicated that an annual testing requirement for measuring carbon monoxide emissions was to be added to the permit. We would appreciate any new information you may have on this matter.

FLORIDA POWER CORPORATION, CRYSTAL RIVER

Mr. Baig has asked us to review Florida Power Corporation's May 30, 1990, letter to you regarding the revised Technical Evaluation and Preliminary Determination for the Crystal River Units 1, 2, and 3 helper cooling towers. We have no comments on the Company's requested changes to your revised determination except to note that the appropriate source test method for particulate matter emissions should be an alternative of Method 5 with a deionized water probe wash. Please contact Paul Reinermann of my staff for more detail of this procedure.

If you have any additional questions, please call me at (404) 347-2864.

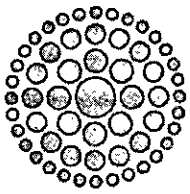
Sincerely,

Mark Armentrout

for Brian Beals, Chief
Source Evaluation Unit
Air, Pesticides and Toxics
Management Division

Copy: Clair Fancy
Mary Barry
Barry Andrews

J. Smallwood



Florida Power
CORPORATION

June 28, 1990

Mr. Dale Twachtmann
Secretary, DER
c/o Office General Council
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Dear Mr. Twachtmann:

Re: Crystal River Units 1, 2, 3 - Intent to Issue, AC 09-162037, PSD-FL-139

Florida Power Corporation (FPC) received the subject Notice of Intent on May 9, 1990. The permit has been reviewed by FPC and its consultants. Comments have been submitted to the DER, and there do not appear to be any outstanding issues. However, since the DER has not been able to obtain EPA comments and issue the permit in final form, FPC requests the Florida Department of Environmental Regulation extend the period time in which FPC can petition for an administrative hearing pursuant to Section 120.57 F.S. This has been discussed with Mr. Mirza Baig who stated that the Department has no objections. Specifically, FPC requests an extension of time until July 15, 1990.

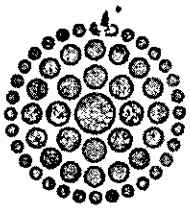
Please contact Mr. W. Jeffrey Pardue (813) 866-4387 if you have any questions.

Sincerely,

Patsy Yeates Baynard
Director
Environment and Licensing Affairs

mrj/WJP7.Twachtmann.Let

cc: Mr. C. H. Fancy
B. Andrews
S. Rogers



Florida Power
CORPORATION

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MAY 31 1990

DER - BAQM

May 30, 1990

C.H. Fancy, P.E.
Chief, Bureau of Air Regulation
Florida Department of Environmental Regulation
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Dear Mr. Fancy:

Re: Crystal River Units 1, 2, 3 - AC09-162037 PSD-FL-139

Florida Power Corporation (FPC) has reviewed the referenced permit including the Revised Technical Evaluation and Preliminary Determination. As discussed by telephone conference with Mr. Barry Andrews of your staff, FPC has made several corrections and some minor comments for the DER to consider.

FPC has been considering two design options for the helper cooling towers, a nine cell per tower design and a ten cell per tower design. Specifications and design parameters for both options are summarized in Table 1 of the Revised Technical Evaluation and Preliminary Determination. Cooling tower fill material for both design options was film type. In addition, the tower water flow rate was based on minimum flow to the cooling towers (worst case from a thermal design standpoint).

As the Department is aware, the decision has been made to use splash type fill material rather than film type. Splash type fill is low risk with respect to fill clogging, and enhances the tower performance reliability. FPC has decided to construct the 9 cell/tower design. Based on these decisions, some minor changes to Table 1 are necessary. Included as Attachment A is an updated Table 1.

As discussed above, the specified tower flow rates were for minimum flow to the cooling towers (687,000 GPM for 9 cell option, 735,000 GPM for 10 cell option). Since this flow rate is affected by tide level, it is important to evaluate the potential change in drift resulting from change in tower water flow rate. FPC has made the decision to build the nine cell/tower option. The range in flow rate for the 9 cell/tower option is approximately 687,000 - 735,000 GPM. Since DER has specifically evaluated both of these flow rates, additional environmental review is not necessary. Appropriate changes need to be made in various sections of the permit.

Notice of Intent to Issue

The maximum degree of TSP increment consumed in the Class II 24-hr. column is 28 not 36.

Revised Technical Evaluation and Preliminary Determination

Section II. Project Description

- The reference to additional cooling capacity should be 48,000, not 48 gallons per minute.
- Delete the reference to Munter's high efficiency drift eliminators. FPC does not want to reference a specific vendor. The drift eliminators will be high efficiency (99.8%).
- The Cooling Tower Institute (CTI) Performance and Technical Committee has "recommended" to CTI the isokinetic glass bead packing test method. It has not been officially adopted.

Section III. Rule Applicability

- Correct the section number to read III.

Section IV. Source Impact Analysis

- A. Emission Limitations - Insert "with all pumps and fans in service" prior to the parenthetical (about 6 months per year).
- B. Air Quality Impact Analysis - Insert a space between first and design in line 4
- Modeling Methodology - In the third paragraph fugitive emission sources include limestone storage and handling not lime handling.
- GEP Stack Height Determination - Building wake downwash effects were considered. Please refer to KBN's report dated March 1990.

Specific Conditions

- Condition 1 - Add "with all pumps and fans operating" at the end of the sentence.
- Condition 2 - Since FPC has decided to build the 9 cell/tower design, to correct the flow rate to address maximum flow revise the table and note as follows:

Flow Rate	TSP		PM10		TOTAL	
	lbs/hr	TPY	lbs/hr	TPY	lbs/hr	TPY
735,000 GPM	107	231	54	116	428	925

- Condition 4 - Based on discussion with Mr. Barry Andrews cooling tower capacity refers to water flow rate.

- Condition 5 - Flow rate is determined from pump curves. A log of hours of operation will be maintained, but the reference to flow rate should be excluded.

- Condition 6 - Maintenance is misspelled.

Best Available Control Technology (BACT) Determination

The maximum emissions estimates for particulate matter and PM^{10} are for a 0.002% drift rate. These should be revised to reflect a 0.004% drift rate. Drift eliminators are 99.8% efficient. On the third page of this section, units is misspelled in the first line. Replace mist eliminator with drift eliminator.

Enclosed is the original notarized Proof of Publication. The notice appeared in the Citrus County Chronicle on 5/16/90.

These comments will not affect the basis of the Department's permit decisions, therefore, FPC looks forward to final permit issuance. If you have any questions or comments, please contact Mr. W. Jeffrey Pardue at (813) 866-4387.

Sincerely,

W. Jeffrey Pardue, Supervisor
Air & Water Programs

/mrj/WJP7.Fancy.Let

cc: D. Buff - KBN
W. Aronson - EPA Atlanta
B. Thomas - DER Tampa
B. Andrews
J. Rogers
C. Shaw, WPS

TABLE 1

Specification and Design Parameters for Helper Cooling Towers 1, 2, and 3

Parameter	Value For: Preliminary	Final
Number of tower	4	4
Number of fans/tower	9	9
Fan stack height (ft)	52.8	53.7
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effective diameter using all fans for one tower	103.5	112.2
Fan flow rate (acfm)	1,139,500	1,461,135
Fan stack exit velocity (ft/s)	20.3	22.2
Fan stack exit temperature (^{o}F)	102	102
Tower water flow rate (gpm)	687,000	687,000
Drift rate (percent)	0.004	0.004
Total dissolved solids (ppm)	29,100	29,100
PM(TSP) emissions (lb/hr)	400	400
Building Dimensions, Tower Suppot Structure:		
Building height (m)	12.8	12.1
Building diagonal (m)	167.0	162.5

Proof of Publication

from the
CITRUS COUNTY CHRONICLE
Inverness, Citrus County, Florida
PUBLISHED DAILY

STATE OF FLORIDA
COUNTY OF CITRUS

Before the undersigned authority personally appeared Gerard Mulligan who on oath says that he/she is Publisher of the Citrus County Chronicle, a newspaper published daily at Inverness in Citrus County, Florida; that the attached copy of advertisement being a public notice in the matter of the Notice of Intent to Issue Permit to Florida Power Court, was published in said newspaper in the issues of May 16, 1990

Affiant further says that the Citrus County Chronicle is a newspaper published at Inverness in said Citrus County, Florida, and that the said newspaper has heretofore been continuously published in Citrus County, Florida, each week and has been entered as second class mail matter at the post office in Inverness in said Citrus County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that he/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 the said newspaper.

Gerard Mulligan

Sworn to and subscribed before me this 16th day of May A.D. 19 90

(SEAL) Notary Public Jeanette A. Schmidt

W-CRN 418-0816
PUBLIC NOTICE
State of Florida
Department of Environmental Regulation
Notice of Intent to Issue

The Department of Environmental Regulation hereby gives notice of its intent to issue a permit to Florida Power Corporation, Post Office Box 14042, St. Petersburg, Florida 33733, to construct four mechanical draft helper cooling towers at the Crystal River Plant in Citrus County, Florida.

In accordance with Rule 17-2.500 of the Florida Administrative Code, a Prevention of Significant Deterioration (PSD) Review was required for the project. The pollutants total suspended particulate (TSP) and particulate matter less than 10 microns (PM10) were evaluated. The maximum TSP emissions from the two proposed saltwater helper cooling tower design options are expected to be 428 lbs/hr and 925 tons per year. A determination of Best Available Control Technology (BACT) for emissions of particulate matter was required. A discussion of how the BACT was determined is included in the Department's preliminary determination.

The maximum degree of TSP increment consumed is as follows:

Area- (Class I). 24-hr. ug/m3 Impact- (2). Allowable- (10). Percent Consumed- (23). Annual ug/m3 Impact- (0.9). Allowable- (5). Percent consumed- (4).

Area- (Class II). 24-hr ug/m3 Impact- (36). Allowable- (37). Percent Consumed- (76). Annual ug/m3 Impact- (5.3). Allowable- (19). Percent Consumed- (28).

The maximum predicted pollutant concentrations from the helper cooling towers are projected to be less than the National Ambient Air Quality Standards (NAAQS). The NAAQS are levels set by the EPA which identify the ambient concentration necessary to protect human health and welfare with an adequate margin of safety. The Department is issuing this Intent to Issue for the reasons stated in the Revised Technical Evaluation and Preliminary Determination.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within fourteen (14) days of publication of this notice. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

The Petition shall contain the following information; (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed; (b) A statement of how and when each petitioner received notice of the Department's action or proposed action; (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action; (d) A statement of the material facts disputed by Petitioner, if any; (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action; (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this Notice. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of publication of this notice in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

The application 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:

Department of Environmental Regulation
Bureau of Air Regulation
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Dept. of Environmental Regulation
Southwest District Office
4520 Oak Fair Blvd.
Tampa, FL 33610-7347

Any person may send written comments on the proposed action to Mr. Barry Andrews at the Department's Tallahassee address. All comments mailed within 30 days of the publication of this notice will be considered in the Department's final determination.

Published one time, May 16, 1990.

Florida Power
CORPORATION

May 21, 1990

Mr. Dale Twachtmann
Secretary, DER
c/o Office General Counsel
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Re: Crystal River Units 1, 2, 3 - Intent to Issue, AC 09-162037, PSD-FL-139

Dear Mr. Twachtmann:

Florida Power Corporation (FPC) received the subject Notice of Intent on May 9, 1990. Currently the permit is being reviewed by FPC and its consultants. There do not appear to be any major issues. However, since this is such a complex and unique permitting situation, FPC requests the Florida Department of Environmental Regulation extend the period of time in which FPC can petition for an administrative hearing pursuant to Section 120.57 F.S. This has been discussed with Mr. C. H. Fancy who stated that the Department has no objections. Specifically, FPC requests an extension of time until June 30, 1990.

Comments on the Intent to Issue will be submitted to DER by May 31, 1990. If the DER and FPC can determine that there are no unresolved issues after those comments are submitted, FPC will immediately withdraw the extension order. Please contact Mr. W. Jeffrey Pardue (813) 866-4387 if you have any questions.

Sincerely,

Patsy Yeates Baynard
Director
Environmental and Licensing Affairs

WJP:PYB:mat

cc: Mr. C. H. Fancy

A:\7CRHCT