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Certified mail
#648 533 789

January 23, 1992

Ms. Trudie D. Bell
Environmental Supervisor
Florida Department of Environmental Regulation
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Dear Ms. Bell:

RE: PA 89-25 Hardee Power Station (Hardee - Vandolah Transmission Line) -
Response to your letter of 12/26/91.

Thank you for your assistance in gaining approval to proceed with construction of the Hardee-Vandolah transmission line. In response to your request for additional information for the mitigation area we are providing you with the following information.

- 1) 1"=400 ft. scale aerials are supplied with DER jurisdiction lines superimposed. We were unable to locate anyone with 1"=200 ft. scale photographs of this area. The additional details such as berm elevations, control structure elevations, estimates of pre- and post wet season high water elevations, and estimates of discharge during a 25 year storm event were included in the submittal to SWFWMD and copied to DER on 12/17/91.
- 2) We have attached final mitigation plans for the wetland impacts from Hardee to Vandolah segment of the line. These plans include construction drawings that vary from the previous submittal due to issues presented by SWFWMD. Also attached are revised drawings and a table that indicate that we have minimized the amount of fill associated with structures. Please advise us when appropriate ratios can be negotiated for these impacts.

Please contact me at 813-963-0994 if you have any questions or wish to meet to discuss the revised mitigation plan.

Sincerely,


Robert E. Yarbrough
Environmental Engineer

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TABLE 1
WETLAND ACTIVITIES
(FDER JURISDICTION)

FORESTED WETLAND			DISTURBED SHRUB WETLAND			MARSH	UPLAND DITCH
WETLAND	CLEARED	FILLED	CLEARED	FILLED	CORD.RD	FILLED	FILLED
A	-	-	*	-	-	-	-
B	-	-	*	-	-	-	-
C	1.06	-	0.23	-	-	-	-
D	2.07	-	-	-	-	-	-
E	0.07	-	1.95	0.25	-	-	-
F	-	-	-	-	-	*	-
G	-	-	*	*	-	-	-
H	-	-	-	-	-	**	-
I	-	-	-	-	-	*	-
J	-	-	-	-	-	**	-
K	-	-	2.01	0.59	-	-	-
RR Ditch	-	-	-	-	-	-	0.05
TOTAL (Acres)	3.20	-	4.19	0.84	-	-	0.05

* Isolated (Non FDER Jurisdiction)

** No Clearing or Filling Required

100 YR FLOOD PLAIN
BOUNDARY

100 YR FLOOD PLAIN
BOUNDARY

CONNECTED
FORESTED WETLAND

POLE LOCATION
180+00

190+00

E. R/W LINE

W. R/W LINE

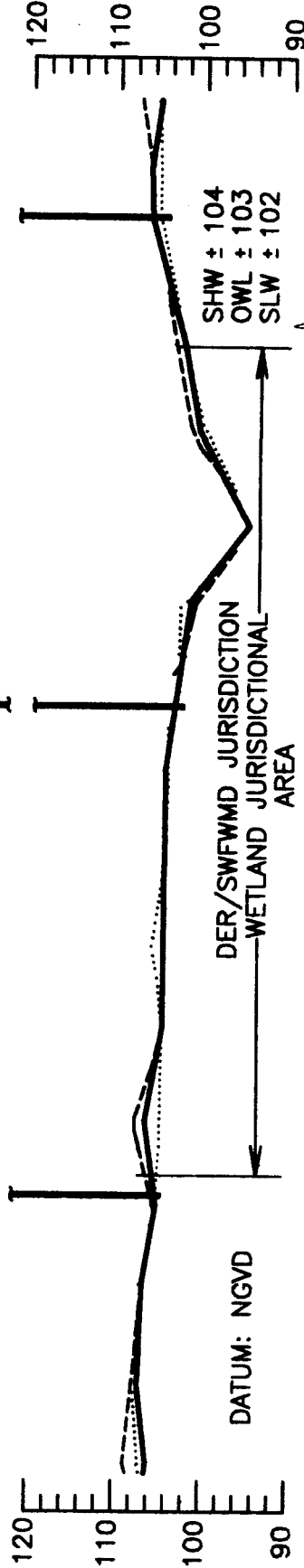
SEABOARD COAST LINE R.R.

WETLAND
2.07 ACRES CLEARED
(FORESTED)

WETLAND JURISD.
BOUNDARY

TRANSMISSION STRUCTURE
HEIGHT NOT TO SCALE

NOTE: SURVEY INFORMATION
DETERMINED BY AERIAL
PHOTOMETRIC METHODS



LEGEND for PROFILE

— CENTERLINE, CL
- - - 16 FT. LEFT OF CL
..... 16 FT. RIGHT OF CL

WETLAND "D" SHIRTAIL BRANCH PLAN/PROFILE

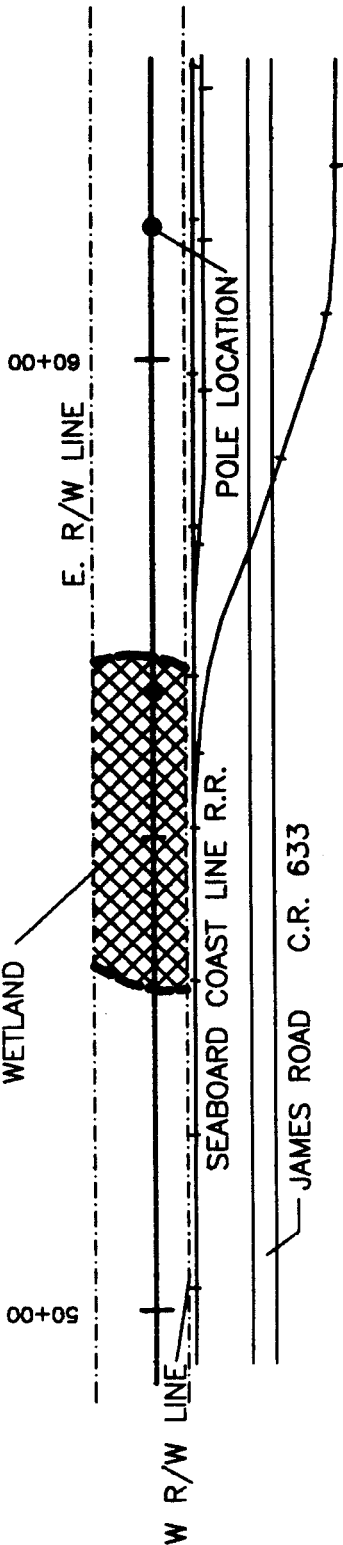
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SEMINOLE
ELECTRIC
COOPERATIVE
INCORPORATED

DATE: 7/17/91

FIGURE 5

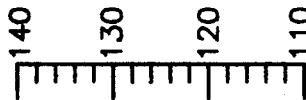
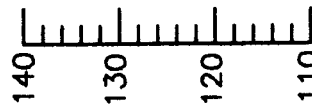
SWFWMD JURISDICTION
ISOLATED
DISTURBED SHRUB
WETLAND



WETLAND
0.76
ACRES CLEARED
(DISTURBED SHRUB)

WETLAND JURISD.
BOUNDARY

TRANSMISSION STRUCTURE
HEIGHT NOT TO SCALE



SHW ± 120
OWL ± 119
SLW ± 118

NOTE: SURVEY INFORMATION
DETERMINED BY AERIAL
PHOTOMETRIC METHODS

DATUM: NGVD

WETLAND
JURISDICTIONAL
AREA

LEGEND for PROFILE

— CENTERLINE, CL
- - - 16 FT. LEFT OF CL
..... 16 FT. RIGHT OF CL

WETLAND "A"

PLAN/PROFILE



DATE: 7/17/91

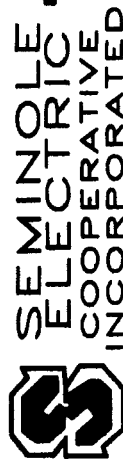


FIGURE 2

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WETLAND I

SUMMARY OF TRANSECT DATA INFORMATION

<u>Species</u>	<u>Average Percent Dominance</u>	<u>Number of Occurrences at 9 Stations</u>	<u>Frequency</u>
Panicum hemitomon	16	8	Subdominant
Lachnanthes caroliniana	10	7	Subdominant
Hydrocotyle umbellata	7	9	Infrequent
Juncus polycephalus	6	4	Infrequent
Rhynchospora sp.	6	6	Infrequent
Paspalum distichum	4	3	Infrequent
Fuirena breviseta	3	2	Infrequent
Scirpus pungens	3	1	Infrequent
Hyptis alata	2	1	Infrequent
Cyperus polystachyos	2	1	Infrequent
Cyperus sp.	1	4	Infrequent
Lindernia grandiflora	1	3	Infrequent
Xyris sp.	1	2	Infrequent
Pluchea odorata	<1	2	Infrequent
Solidago stricta	<1	3	Infrequent
Myriophyllum aquaticum	<1	2	Infrequent
Rhexia maritima	<1	2	Infrequent
Eupatorium capillifolium	<1	2	Infrequent
Ludwigia repens	<1	2	Infrequent
Polygonum hydropiperoides	<1	3	Infrequent
Euthamia minor	<1	2	Infrequent
Bacopa caroliniana	<1	1	Infrequent
Hypericum fasciculatum	<1	1	Infrequent
Eleocharis sp.	<1	2	Infrequent
Scirpus sp.	<1	2	Infrequent
Erigeron sp.	<1	1	Infrequent
Ludwigia hirtella	<1	1	Infrequent
Aster caroliniana	<1	1	Infrequent
Ludwigia octovalvis	<1	1	Infrequent
Sagittaria lancifolia	<1	1	Infrequent

Nuisance Species

Ludwigia peruviana	<1	1	Infrequent
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WETLAND F

SUMMARY OF TRANSECT DATA INFORMATION

<u>Species</u>	<u>Average Percent Dominance</u>	<u>Number of Occurrences at 9 Stations</u>	<u>Frequency</u>
Panicum hemitomon	27	8	Subdominant
Juncus polycephalus	25	9	Subdominant
Hydrocotyle umbellata	5	6	Infrequent
Cyperus sp.	4	6	Infrequent
Euthamia minor	3	3	Infrequent
Polygonum hydropiperoides	3	6	Infrequent
Bidens laevis	3	5	Infrequent
Solidago stricta	3	4	Infrequent
Eleocharis sp.	2	3	Infrequent
Lachnanthes caroliniana	1	2	Infrequent
Lindernia grandiflora	1	2	Infrequent
Solidago sp.	<1	1	Infrequent
Rhexia maritima	<1	2	Infrequent
Hypericum fasciculatum	<1	1	Infrequent
Ludwigia repens	<1	2	Infrequent
Bacopa caroliniana	<1	1	Infrequent
Aster caroliniana	<1	3	Infrequent
Ludwigia octovalvis	<1	2	Infrequent
Eupatorium capillifolium	<1	1	Infrequent
Centella asiatica	<1	3	Infrequent
Xyris sp.	<1	2	Infrequent
Sagittaria lancifolia	<1	1	Infrequent
Flaveria sp.	<1	1	Infrequent

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