Florida Power & Light Company, 6501 S. Ocean Drive, Jensen Beach, FL 34957

March 22, 2012

RECEIVED
By FDEP Siting Coordination Office at 10:41 am, Mar 26, 2012

Ms. Cindy Mulkey, Program Administrator
Office of Siting Coordination
Department of Environmental Protection
3900 Commonwealth Blvd., MS#48
Tallahassee, FL 32399-3000

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
7006 3450 0003 0174 4783

Re: St. Lucie Plant Units 1 and 2, PA 74-02 -
Proposed Amendment to Site Certification

Dear Ms. Mulkey:

Pursuant to Section 62-17.205 (1) F.A.C., Florida Power & Light Company (FPL) hereby requests a post certification amendment to the Site Certification for FPL's St. Lucie Plant Units 1 & 2. FPL is currently permitted to discharge from the existing onsite Storm Water Management Evaporation/Percolation Basin. These discharges are governed by existing Industrial Wastewater Facility (IWWF) Permit number FL0002208. The purpose of this amendment request is to replace the temporary permitted discharge process Internal Outfall (I-008) with a permanent structure.

The current method of maintaining the water level is by portable pumps. These pumps must be monitored and refueled during operation. In the event of a major storm this monitoring/refueling could introduce safety and environmental risks. The proposed alternative method is to construct a permanent discharge structure that is normally closed, but can be manually opened to drain the basin.

The attached sketches (Enclosure) show a precast concrete structure that has a control weir cast into the face of the structure. A manually activated sluice gate is mounted on the inside of the structure to control the flow into the structure. Discharge pipe(s) will be installed between the discharge structure and the intake canal. The number and size of the pipes is dependent upon the construction method chosen. The discharge pipe(s) will protrude through the existing intake canal revetment system slightly above normal operating level taking advantage of the energy dissipating characteristics of water. The discharge pipe(s) will be equipped with flap gates to prevent backflow from the canal. The flow through the structure is automatically metered and recorded per the IWWF permit conditions. The proposed system is a passive system once activated and can be monitored by existing plant surveillance systems, the safety and environmental hazards are greatly reduced.

The St. Lucie Plant will continue to meet the requirements of its IWWF permit. The construction of this project does not require a modification of the existing stormwater management system. The construction does require a minor modification to the facility which requires a minor revision to the IWWF permit. The request for this minor revision was submitted to the Industrial Wastewater Division of the Florida Department of Environmental Protection (FDEP) at the same time this amendment request was submitted to the FDEP Siting Office.

The construction processes proposed will not increase the water use at the site. There will not be any impact to wetlands or protected species.

Thank you for your attention to and consideration of FPL's request to amend the Site Certification for the St. Lucie Plant. If you have any questions regarding this submittal, please contact Barbara Linkiewicz at 561-691-7518 or Stacy Foster at 561-691-7065.

Sincerely,

Richard L. Anderson
Site Vice President
St. Lucie Plant

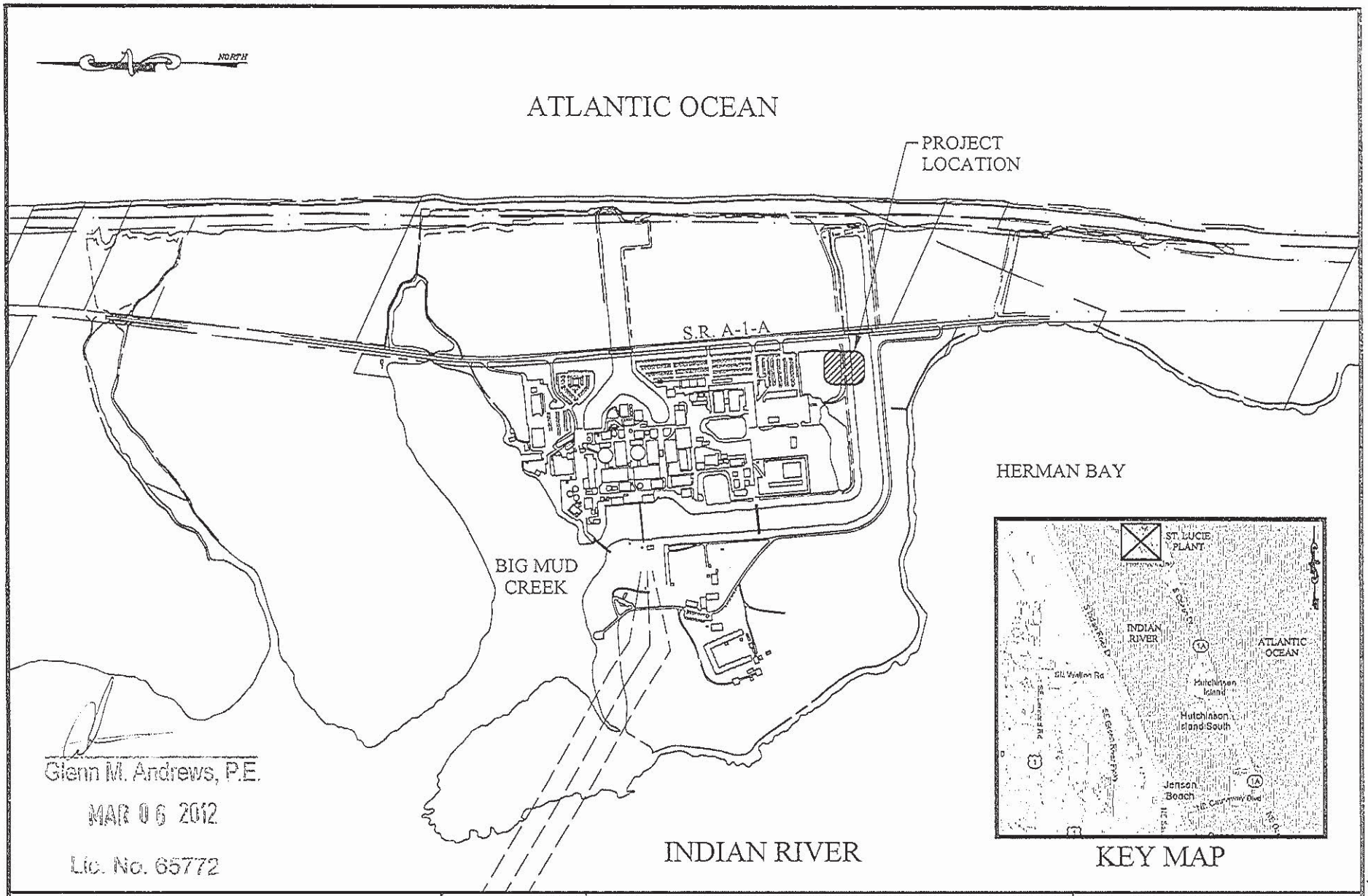
VPPSL009

Enclosure

cc: Barbara P. Linkiewicz, Director of Environmental Services
John Jones, FPL Nuclear
Glenn Andrews, FPL Nuclear
Stacy Foster, Project Manager Environmental Services
Vince Munne, St. Lucie Land Utilization

VPPSL009
ENCLOSURE

Three signed and sealed drawings of the proposed I-008 Discharge Structure
DRAWING NO. PSL-C-275630-001
(Cover + 3 pages)



Glenn M. Andrews, P.E.

MAR 06 2012

Lic. No. 65772

NPE			
DIV: CIVIL DR: JCG CH: GMA DATE: 3/1/12	APPROVAL	FPL	FLORIDA POWER & LIGHT COMPANY ST. LUCIE PLANT UNIT 1 & 2 VICINITY MAP

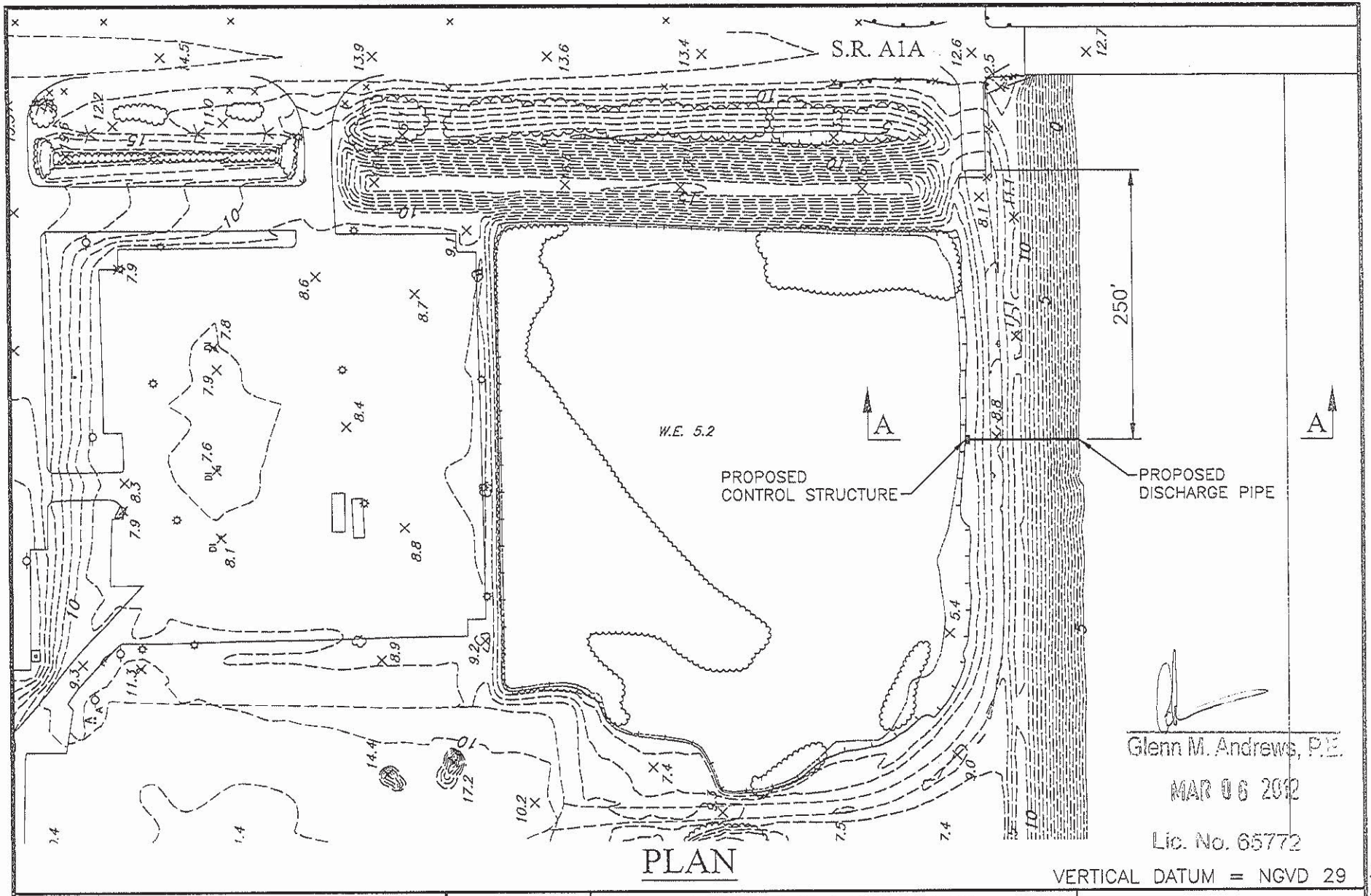
DRAWING NO.
PSL-C-275630-001

SHEET
1 OF 3

0

CAD FILE: PSL-C-275630-001

8 1/2 X 11 A SIZE 04/06/94



Glenn M. Andrews, P.E.

MAR 06 2012

Lic. No. 65772

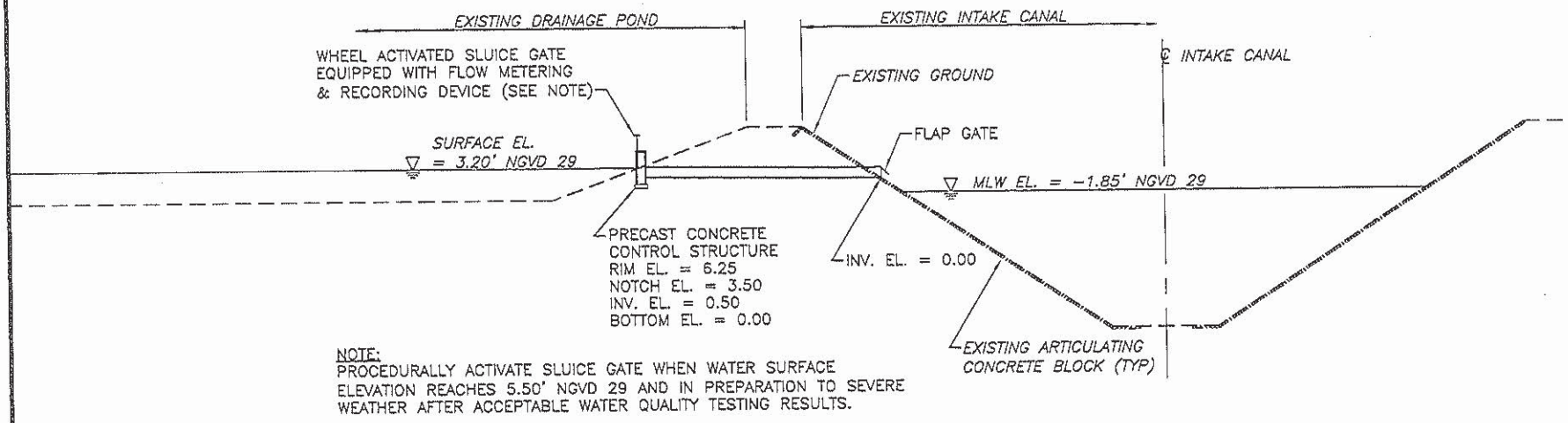
PLAN

VERTICAL DATUM = NGVD 29

NPE DIV: CIVIL DR: JCG CH: GMA DATE: 3/1/12	APPROVAL	FPL	FLORIDA POWER & LIGHT COMPANY ST. LUCIE PLANT UNIT 1 & 2 PLAN VIEW	DRAWING NO. PSL-C-275630-001 SHEET 2 OF 3 0

CAD FILE: PSL-C-275630-001 SH 2

8 1/2 X 11 A SIZE 04/06/94



NOTE:
PROCEDURALLY ACTIVATE SLUICE GATE WHEN WATER SURFACE ELEVATION REACHES 5.50' NGVD 29 AND IN PREPARATION TO SEVERE WEATHER AFTER ACCEPTABLE WATER QUALITY TESTING RESULTS.

SECTION A-A

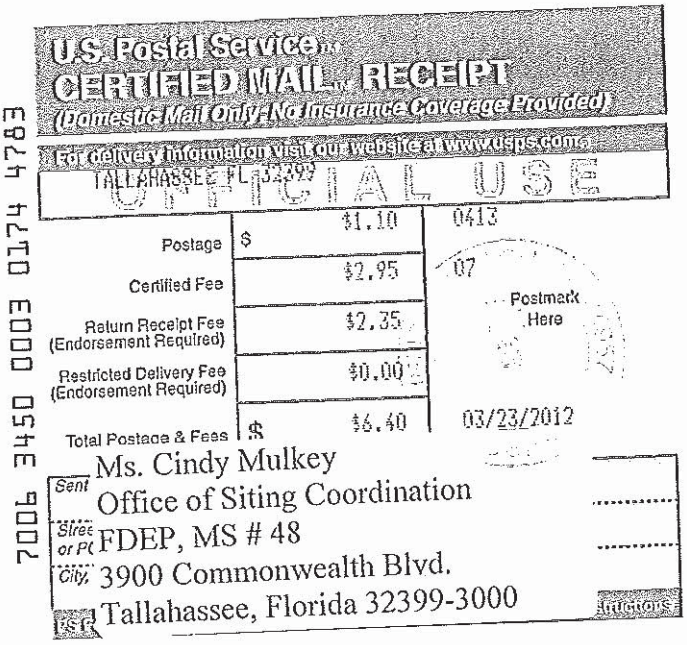
Glenn M. [illegible]
MAR 26 2012
Lic. No. 63772

NPE		FLORIDA POWER & LIGHT COMPANY ST. LUCIE PLANT UNIT 1 & 2	DRAWING NO. PSL-C-275630-001	
DIV: CIVIL DR: JCG CH: GMA DATE: 3/1/12	APPROVAL	TYPICAL CROSS SECTION SECTION A-A	SHEET 3 OF 3	0

FPL

CAD FILE: PSL-C-275630-001 SH2

8 1/2 X 11 A SIZE 04/06/94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0413
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03/23/2012
7006 3450 0003 0174 4783
Sent To Ms. Cindy Mulkey
Street, Apt. No., or PO Box No. Office of Siting Coordination
City, State, ZIP+4 FDEP, MS # 48
3900 Commonwealth Blvd.
Tallahassee, Florida 32399-3000
PS Form