



May 5, 2011

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

DEPARTMENT OF
ENVIRONMENTAL PROTECTION
MAY 06 2011
SITING COORDINATION

Dear Ms. Mulkey:

**Subject: FPL West County Energy Center, PA05-47
Request for Amendment to Site Certification Application
Ongoing Use of Equipment Enclosure**

Pursuant to Section 403.5113(1), F.S., and Section 62-17.205(1), F.A.C., Florida Power & Light Company (FPL) is requesting an amendment to the Site Certification Application for the West County Energy Center (WCEC) Unit 3. The purpose of this amendment request is to authorize the ongoing use of an equipment enclosure originally erected for construction of WCEC Unit 3.

The enclosure erected to support construction of WCEC Unit 3 is now planned to be used for equipment storage for WCEC Units 1 - 3. The enclosure is a 60 foot by 100 foot metal structure on a concrete slab. It was constructed in accordance Florida building codes, including 140 MPH wind loading. Enclosed please find a signed and sealed letter from Serra Engineering confirming that the stormwater system is sized appropriately to support the impervious area associated with the equipment enclosure. The drawings attached to the letter identify the location of the enclosure. Please also find an aerial photo with the enclosure location identified and a ground level photo of the structure. The enclosure does not have water or wastewater facilities.

Thank you for your attention to this matter. If you have any questions, please call me at (561) 691-7518 or Rachel Godino at (561) 676-7238.

Sincerely,
Florida Power & Light Company


Barbara P. Linkiewicz
Director of Environmental Licensing

Cc: Carine Bullock, WCEC Plant Manager
Peter Cocotos, FPL

Serra Engineering, Inc.
10105 Dogwood Avenue
Palm Beach Gardens, Florida 33410
Phone: (561) 627-5254 Email: Serraeng@aol.com

April 7, 2011

Mr. Robert Bennett
West County Energy Center (PWC)
Florida Power & Light
20505 Southern Blvd
Loxahatchee, Florida 33470

Re: WCEC Unit 3 Land Use Acreages

Dear Mr. Bennett,

As requested, the land use acreages have been updated to account for the additional 0.43 acres of impervious area in the South Basin (warehouse and adjacent concrete pad that will remain). The following is a comparison between the land use assumptions that were used in the Site Certification Approval Process (reviewed and approved by FDEP) and the existing site conditions as of the completion of Units 1, 2 and 3:

	<u>Site Certification</u>	<u>Existing</u>
North Basin		
Basin Area*	89.75 acres*	89.75 acres*
Impervious Area	55.85 acres	55.48 acres
Pervious Area	19.80 acres	20.17 acres
Retention Pond Area	14.10 acres	14.10 acres
South Basin		
Basin Area+	114.5 acres+	114.5 acres+
Impervious Area	59.46 acres	45.06 acres
Pervious Area	39.74 acres	54.14 acres
Retention Pond Area	15.30 acres	15.30 acres

*North Basin Area, Site Certification submittal calculations accounted for the following zero discharge areas: Unit 1 & 2 cooling towers, fuel oil transformer containments & SCU's. The North Basin Area, Existing calculations have been updated to reflect the as-installed condition in Units 1 and 2 and therefore account for the following zero discharge areas: Unit 1 & 2 cooling towers, wastewater sumps, wastewater recovery sump reactors/clarifiers (SCU's), surge tank, and ammonia containment. Credit has not been taken for the transformer oil containments to allow the containments to be drained of rain water if need be during the storm event period. Credit has been taken for the parking area landscaping as pervious area. The updated accounting of zero discharge and pervious areas now reflects the as-installed condition in Unit 1 & 2.

+South Basin Area, Site Certification submittal calculations accounted for the following zero discharge areas: Unit 3 cooling tower and fuel oil containment areas. South Basin Area, Existing calculations have been updated to account for the Unit 3 cooling tower and wastewater sump, and credit has not been taken for the transformer oil containments to allow the containments to be drained of rain water if need be during the storm event period.

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Florida Power & Light
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As shown in the above comparison table, the Existing retention pond areas are the same as the Site Certification retention pond areas, and the existing impervious areas for both the North and South Basins as shown on the attached updated sketches are less than the impervious areas assumed in the Site Certification process. This will result in less stormwater runoff to the retention ponds. Therefore, the integrity of the stormwater management system is maintained (water quality treatment, containment of back to back 25 year – 3 day storms, and containment of the 100 year – 3 day storm event) and the system will function as designed and approved (retention ponds will actually provide additional stormwater storage due to the decrease in stormwater runoff).

If you have any questions, please do not hesitate to call.

Sincerely,

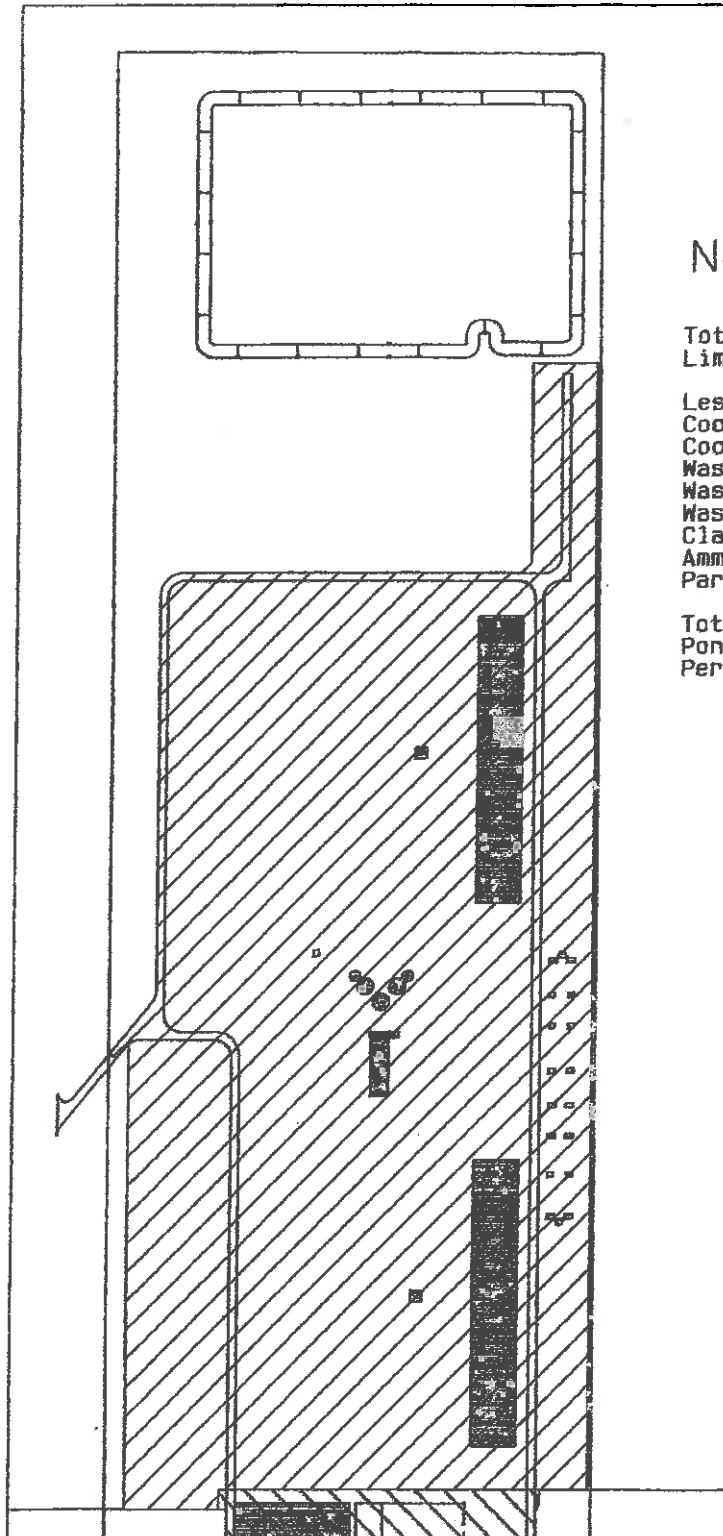


Rebecca S. Serra, P.E.
President
P.E. #35624

4/7/11

Attachments

Serra Engineering, Inc.
10105 Dogwood Avenue
Palm Beach Gardens, Florida 33410
Ph: (561) 627-5254 Email: Serraeng@aol.com



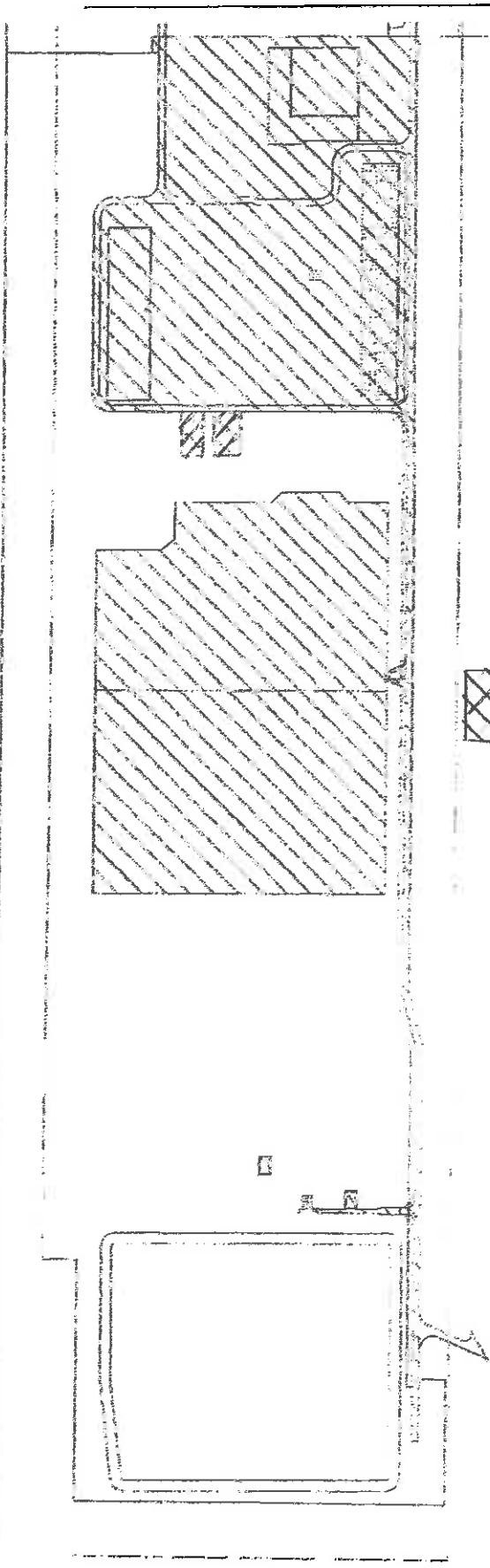
NORTH BASIN AREA

Total Basin Area = 89.75 ac
Limits of Impervious Area = 59.299 ac

Less Pervious Area/Zero Runoff
Cooling Tower 1 = 1.736 ac
Cooling Tower 2 = 1.736 ac
Wastewater Sump 1 = 0.018 ac
Wastewater Sump 2 = 0.018 ac
Wastewater Recovery Sump = 0.005 ac
Clarifier/Surge Tanks = 0.111 ac
Ammonia Containment = 0.163 ac
Parking Area Landscaping = .087 ac

Total Impervious Area = 55.425 ac
Pond Area = 14.156 ac
Pervious Area = 20.169 ac

4/4/11



SOUTH BASIN AREA

Total Basin Area = 114.50 ac
Limits of Impervious Area = **46.814 ac**

Less Pervious Area/Zero Runoff
Cooling Tower 3 = 1.736 ac
Wastewater Sump 3 = 0.019 ac

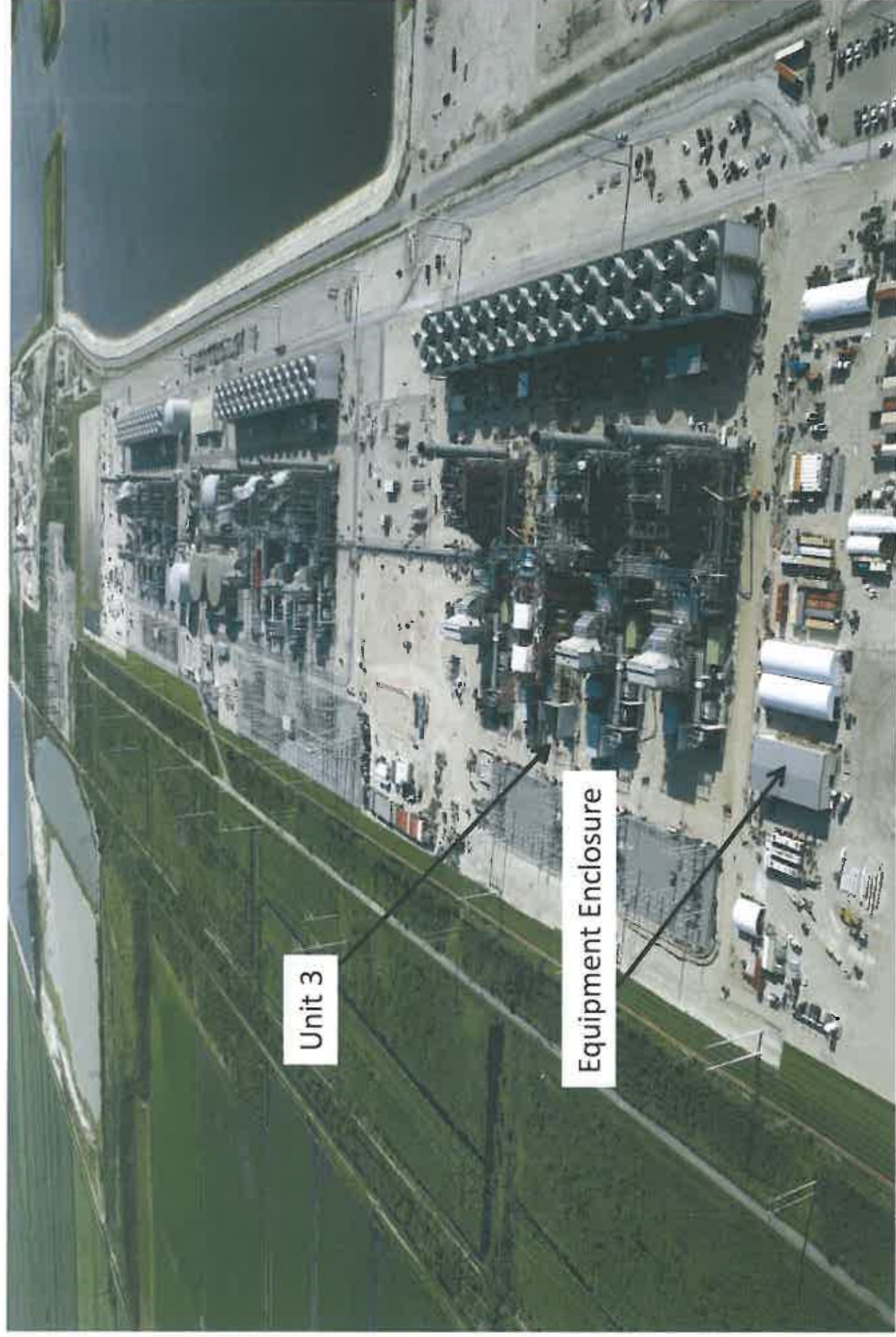
Total Impervious Area = **45.06 ac**
Pond Area = 15.30 ac
Pervious Area = **54.14 ac**



Impervious Area Updated 4/4/11 To
Include Warehouse And Adjacent
Concrete Pad That Will Remain (0.43Ac)

4/4/11

FPL West County Energy Center



FPL West County Energy Center

Unit 3 Equipment Enclosure

