



May 5, 1992

Ms. Trudy Bell
Department of Environmental Regulation
2600 Blair Stone Road
Tallahassee, Florida 33688-2000

Ref: Hardee Power Station Transmission Line - Vandolah - Arcadia Segment.
Certification # PA 89-25.

Attached is a response to your insufficiency letter of April 29, 1992. We appreciate your assistance in permitting this project.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Robert E. Yarbrough'.

Robert E. Yarbrough
Environmental Engineer

cc: Hamilton Oven - DER

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HARDEE POWER STATION
PA 89-25
Vandolah to South Arcadia Incompleteness Response

In response to the incompleteness letter of April 29, 1992 we are providing the following responses. Our responses are shown in italics below.

1. In the original submittal, 0.11 ac. of Wetland GG was to be forested clearing. In the additional submittal, no clearing at Wetland GG is indicated. Please explain why clearing is no longer needed. In addition, a type of hatching is used in the plan view that is not defined in the legend. Please explain the hexagonal pattern in the legend.

Wetland GG was reclassified by SWFWMD and SECI as an open water area instead of forested wetland. The aerial photographs suggested that the area was a forested stream system. Field evaluation with SWFWMD indicated that the area was an existing low water crossing through an unvegetated channelized stream with no wetland tree species. The canopy in the area of the ROW consist only of Quercus virginiana. The hexagonal hatching is labeled on the drawing as open water.

2. Please explain why the corduroy road originally proposed for Wetland KK has been replaced with two 36" CMP.

The area requiring the access road was originally thought to be part of the wetland area but after field evaluation the area was shown to be part of the citrus grove ditch system which was in excess of 5 ft. deep. Limitations with depth and room within the adjacent orange grove prevented utilization of a corduroy road as originally planned. The culverts are required to avoid building a road through the natural wetland area.

3. Please clarify how the final grade of the fill pad in Wetland NN went from 77.0 ft. to 79.0 ft. without increasing the wetland fill acreage.

The construction pad elevations are based on SHW determinations in the field and designed on the plan profile sheets with the approximate survey information (aerial photometric methods). We then conservatively estimate the area to be filled and report those numbers. In this particular case the footprint of the pad will be approximately 110' x 60' based on the estimated 2 ft. of fill required. This calculates to be 0.15 acres which is less than the 0.2 acres on the drawing. The 79.0 ft. pad elevation will not require filling of more than 0.20 acres of area.

4. Please explain why clearing of all the forested portions of Wetland OO within the ROW is not proposed.

These areas were determined by SWFWMD to be forested areas based on tree species not size. Unless some of these are determined to be danger trees we do not anticipate clearing them.

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5. Please define the hatching used in the ditch for Wetland XX in the legend on the drawing.

The hatching used in the ditch is forested area as the hatching has been standardized throughout the drawings. The area was originally thought to be part of a forested stream system but was reclassified by SWFWMD as a ditch system due to the upland soils and spoils. As shown on the drawing the area is labeled as a ditch system but not claimed as forested area.

6. On Figure 43, 44, please explain why the ac. of clearing impact has been reduced while the drawing of the proposed work has not changed. If Wetland QQQ is non-jurisdictional, please revise the drawing to reflect that.

Field evaluation by SECI and SWFWMD has shown that the canopy in the area does not consist of wetland tree species but is 100% Quercus virginiana. The understory does consist of wetland plants and is a wetland area. We do not feel we should mitigate for clearing of species that are not jurisdictional on the DER list. Our consultant is of the opinion that the area would be claimed by DER based on the ground cover.

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