

**DECLARATION OF EMILY CASEY
DESCRIBING THE VICINITY OF PROPOSED LEVY NUCLEAR POWER PLANT AND
PROPOSED TARMAC KING ROAD LIMESTONE MINE
DURING THE OCTOBER-MAY "DRY SEASON"**

I, Emily Casey, declare as follows:

1. My name is Emily Casey. I am over eighteen years of age and am competent to make this Declaration based on personal knowledge and experience.
2. I have resided in Florida for 53 years, in the vicinity of the proposed Levy Nuclear Plant (LNP) and proposed Tarmac King Road limestone (Tarmac) mine. My current address is Inverness, Florida 34453.
3. During the time I have resided in the vicinity of the proposed LNP facility and proposed Tarmac mine I have recreated in and observed surface waters in that vicinity.
4. On February 14, 2010, I recorded video images and sounds on the northwest side of Highway 19/98 in Levy County. A copy of that video recording is included with my declaration as Levy County karst conduits video 7590 21410.MOV.
5. That video shows a significant volume of surface water flowing into the aquifer system on the south side of the bridge and only a trickle of water flowing under the bridge on the north side.
6. The location where I recorded that video was in the immediate vicinity of the unnamed stream near King Road, where the proposed Tarmac mine excavations would occur on the west side of Highway 19/98 and the proposed LNP facility excavations and construction would occur on the east side of Highway 19/98. The approximate coordinates where my video was recorded were: 29 05 40.00 N and 82 38 07.65 W. The approximate coordinates where the exposed karst conduit was located were: 29 05 48.49 N and 82 38 13.41 W.
7. The last frames of my video show the large concrete box culvert bridge on Kings Road over the unnamed stream that is diverted under ground through the karst conduit. That road would be the entrance to the proposed Tarmac mine.
8. On March 27, 2010, I recorded additional video images and sounds of flowing water in the same unnamed stream. A copy of that video recording is included with my declaration as Levy County karst conduits video 7843 32710.MOV. The final frames of that video show two karst conduits in the channel where the water is flowing into the aquifer.
9. Also included in my declaration is a ground photograph of those two karst conduits that I took on March 27, 2010. I have observed similar holes of various sizes throughout the stream channel and associated floodplain. Most of those holes were covered by vegetation and difficult to see.
10. Also included in my declaration are two ground photographs that I took on March 14, 2010 of the flooded floodplain on the east side of Highway 19/98 in the same general vicinity of the proposed LNP and proposed Tarmac mine.
11. My two videos incorporated into my declaration by reference and three ground photographs included in my declaration all were taken during the October-May "dry season" of 2010.
12. I also have observed and photographed the vicinity of the proposed LNP and proposed Tarmac mine on several occasions at low altitude from a small plane. I have included in my declaration two low-altitude, oblique aerial photographs that I took in the vicinity of the proposed LNP and Tarmac mine as an additional illustration of the conditions at that area during the October-May "dry season."

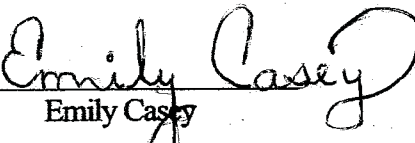
13. The first aerial photograph was taken in March 2008. This photograph is oriented so that the top of the photograph faces west. Highway 19/98, which runs approximately north/south, is shown in the upper right (northwest) corner of this photograph. This photograph is located southeast of the proposed Tarmac mine and shows the characteristics of the proposed LNP site in the vicinity of the proposed LNP cooling towers and stormwater ponds. The forested areas that are gray are cypress wetlands. The dark blue areas in this aerial photograph are surface waters, including wetlands. The small white square in the lower left (southeast) corner of this photograph is the meteorological tower shown in Figure 3-4 from the LNP DEIS, which is included in my declaration.

14. I took the second aerial photograph included in my declaration in November 2008. This photograph is oriented so that the top of the photograph faces south. A small area of Lake Rousseau is shown in the upper right (southwest) corner of this photograph. This photograph shows the characteristics primarily of the southern portion of the proposed LNP site. The grayish forested areas are cypress wetlands. The silvery gray areas in the lower left (northeast) corner of the photograph, including the linear area parallel to the road in the lower center of the photograph, are areas of surface water.

15. Before his death in 1977, my father and friends would go fishing in Cow Creek and travel in a southeasterly direction down Ten Mile Creek. They would fish either Ten Mile or Horse Hole Creek while headed south toward the Withlacoochee River. While boating toward the Withlacoochee River they could have passed within the vicinity of where I took the two March 14, 2010 ground photographs included in this declaration. My father and friends would travel through the area shown in my aerial photographs to the Withlacoochee River and fish.

FURTHER AFFIANT SAYETH NAUGHT.

Under penalty of perjury, I certify that the above statements are true and correct.
Executed on this 22nd day of November 2010 in Citrus County, Florida


Emily Casey









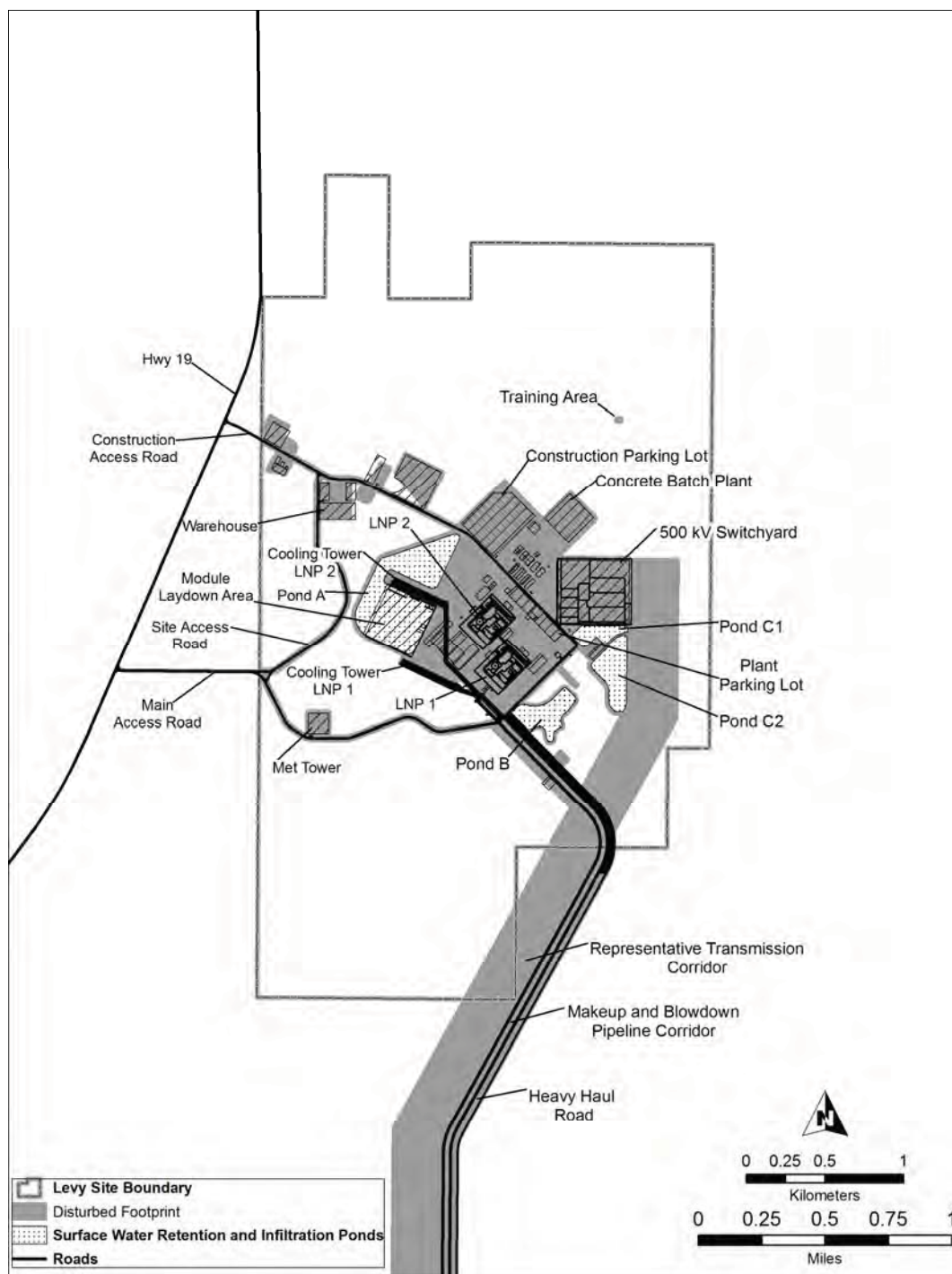


Figure 3-4. LNP Units 1 and 2 Detailed Site Layout (modified from PEF 2009a)

