

UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION  
BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

In the Matter of:	)	
PROGRESS ENERGY FLORIDA, INC.	)	
(Levy County Nuclear Power Plant, Units 1 and 2)	)	
	)	Docket Nos.
	)	52-029-COL,
	)	52-030-COL
	)	July 6, 2012

**ERRATA TO INITIAL PRE-FILED TESTIMONY OF DR. SYDNEY BACCHUS**

Intervenors hereby submit errata to the initial pre-filed testimony of Dr. Sydney Bacchus

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(June 26, 2012). A corrected copy of Dr. Bacchus' testimony is attached.

<u>Page</u>	<u>Line</u>	<u>Change</u>
1	5	Delete second sentence beginning with "Hydroecology is a multidisciplinary"
1	last	Change "aquifer system," to "aquifer system."
2	last	Change "Department Environmental Protection" to "Department of Environmental Protection"
2	last	Change "Florida Department" to "Florida Department of"
3	21	Change "papers" to "publications"
4	10	Change "(Exhibit NRC001)" to "( <b>Exhibit NRC001</b> )"
5	9	Change "role they plan" to "roles they play"
6	22-23	Insert "and <b>Exhibits INT393-INT400</b> " after " <b>Exhibits INT303-333</b> "
6	23	Change "Exhibit INT03 is my narrative" to "Exhibit INT303 is my narrative"
7	last	Change "(March 12, 2012_" to "(March 12, 2012)"
11	1	Delete first paragraph starting "Examples of preferential flow paths"
11	13	Change " <b>Exhibit INT353</b> " to " <b>Exhibit INT352</b> "

11	20	Change “used as synonymously” to “used synonymously”
11	21	Insert “ <b>(Exhibit INT361)</b> ” after “(Stewart and Stedje, 1990)
<a href="#">13</a>	<a href="#">5</a>	<a href="#">Change “Bacchus, 1998)” to “(Bacchus, 1998)”</a>
13	14	Change “such as in the spring)” to “such as in the spring,”
15	1	Change “alternations” to “alterations”
18	18	Insert “to” after “connecting” and before “underlying”
19	14	Insert “This” before “400,000”
21	5-6	Insert “ <b>(Exhibits INT335 through INT339)</b> ” after “Figures 1A-E”
21	5-6	Insert “ <b>(Exhibit INT343)</b> ” after “Figure 4”
21	9	Change “Page 5-12 and 5-13 of the FEIS describe” to “Pages 5-12 and 5-13 of the FEIS describe”
22	3	Change “Canal to cease flowing” to “Canal would cease flowing”
22	4	Insert “ <b>Exhibits INT335 through INT339 and Exhibit INT 343</b> , respectively” after “Figures 1A-E”
22	14	Change “FEIS indicates” to “FEIS indicates:”
24	11	Change “ <b>Exhibit INT304-33</b> ” to “ <b>Exhibit INT304-333</b> ”
24	11	Change “ <b>Exhibit INT333</b> ” to “ <b>Exhibit INT303</b> ”
25	9	Change “subterranean caves and cavities” to “and subterranean cavities”
26	8	Insert “ <b>(Exhibit INT354)</b> ” after “Littlefield et al. (1984)
26	9	Insert “ <b>(Exhibit INT361)</b> ” after “Stewart and Stedje (1990)
26	9	Insert “ <b>(Exhibit INT366)</b> ” after “Bacchus et al. (2003)
28	6	Change “brown <del>s</del> ” to “brown <del>s</del> ”
28	9	Change “private residential” to “municipal”

30	17	Change “confirms this,” to “confirms this.”
30	21	Change “Accordiing” to “According”
31	13	Insert “ <b>(Exhibit INT363)</b> ” after “Bacchus, 2006)”
32	9	Change St. John's Water Management District" to "St. Johns River Water Management District"
33	8	Change "these effects" to "these effects."
34	13	Change "flowing into." to "flowing into them."
36	20	Change "Cronicle" to "Chronicle"
36	21	Change " <b>Exhibit INT374)</b> " to " <b>(Exhibit INT374)</b> "
38	16	Insert period after “Levy roads” and delete “ <b>Exhibit INT387.</b> ”
38	20	Change "that these long-lasting" to "these long-lasting"
39	7	Change "long-leaf pines that have" to "long-leaf pines, have"
39	13	Change "nutrients would be in" to "nutrients would be"
40	6	Change “YES” to “Yes”
41	5	Insert “ <b>(Exhibit INT390)</b> ” after “Bacchus, 2007”
43	1	Change "salt accumulates n the" to "salt accumulates on the"
43	2	Change "impingement also sill" to "impingement also will"
44	17	Change “(PEF606)” to “ <b>(Exhibit PEF606)</b> ” and delete “ <b>Exhibit INT392</b> ”
44	21	Change “(PEF606)” to “ <b>(Exhibit PEF606)</b> ” and delete “ <b>Exhibit</b> ”
44	22	Delete “INT392”
45	18	Change "deposition-on" to "deposition on"
46	6	Change "cypress other wetland trees," to "cypress and other wetland trees,"
47	19	Delete paragraph starting “Additional deficiencies in the FEIS” and ending

“adequately adverse impacts.”

48	21	Change “Bacchus (2001” to “Bacchus (2001)”
48	21	Delete “ <b>Exhibit INT411, pp. 79-90</b> ”
49	2	Insert period after “green turtles.”
49	2-3	Delete “ <b>Exhibit INT404, p. 4-584, 4-586, and 4-587</b> ”
49	8	Change “ <b>Exhibit INT211</b> ” to “ <b>Exhibit INT215</b> ”
50	5	Change “ <b>Exhibit INT413</b> ” to “ <b>Exhibit INT406</b> ”
51	15	Change "this species will affected" to "this species will be affected"
51	17-18	Delete sentence beginning with “Habitat requirements” and ending with <b>Exhibit INT408.</b> ”
52	18	Change “ <b>Exhibit <u>INT414</u></b> ” to “ <b>Exhibit <u>INT336</u></b> ”
53	8	Change “ <b>INT415</b> ” to <b>INT215</b> ”
54	5	Insert “( <b>Exhibit INT415</b> )” after “Horseshoe Beach Utilities”
54	6	Delete “( <b>Exhibit INT415 and INT 416, respectively</b> )”
57	6	Change “( <b>Exhibit INT417</b> )” to “( <b>Exhibit INT369</b> )”
57	10	Change "that associated with" to "that are associated with"
57	10	Change "in that parcel" to "in that parcel,"
57	15	Change "water to be withdrawn" to "amount of water is to be withdrawn"
57	19	Change “red-cockaked” to “red-cockaded
57	20	Add “( <b>Exhibit INT364</b> )” after “Exhibit 2-5-6”
58	17	Change "anaylysis" to "analysis"
60	8	Change "surfaces significantly" to “surfaces is significantly"
60	16	Change "fractures" to "fractures,"

60	17	Change “ <b>Exhibit INT420</b> ” to “ <b>Exhibit INT368.</b> ”
60	17	Delete “ <b>(Exhibit INT421)</b> ”
60	17	Change “ <b>Exhibit INT422</b> ” to “ <b>Exhibit INT355</b> ”
60	18	Change “ <b>Exhibit INT423</b> ” to “ <b>Exhibit INT357</b> ”
60	18	Delete “Brook and Carver (1980; 1981; <b>Exhibit INT424 and INT 425)</b> ”
<u>60</u>	<u>19</u>	<u>Change “<b>INT426</b>” to “<b>INT358</b>”</u>
60	19	Delete “Leveinen et al. (1998, <b>Exhibit INT427),</b> ”
61	21	Change “ <b>(Exhibit INT304-Exhibit INT330)</b> ” to “ <b>(Exhibit INT304-Exhibit INT333)</b> ”
61	23	Insert “ <b>(Exhibit INT306)</b> ” after “photograph number 0819”
61	24	Insert “ <b>(Exhibit INT384)</b> ” after “May 22, 2012
62	14	Change "and that construction" to "and construction"
64	7	Change "Exhibit INT-__" to " <b>Exhibit INT429</b> "
<u>64</u>	<u>9</u>	<u>Change “was” to “were”</u>
64	12	Change “included” to “include”
64	14-15	Change "Exhibit INT-__" to <b>Exhibit INT429</b> ”
64	19	Change "grout that no" to "grout, no"
64	21	Change " <b>behind</b> the photograph of the monitor well" to " <b>behind</b> the monitor well"
65	13-14	Change “Bacchus et al. (2011, <b>Exhibit INT421</b> ” to “Bacchus et al. (2011)
<u>65</u>	<u>16</u>	<u>Change “supports” to “support”</u>
65	17	Change "alterations hav " to "alterations have"
66	14	Change "that the proposed LNP" to "from which the proposed LNP"

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- 67 7 Change “**Exhibit INT431, p. 3**” to “**Exhibit INT431**”
- 69 14 Change "will be small?" to "will be small."
- 70 1 Change "future an erosion" to "future erosion"
- 70 5 Change "an an avian" to "and an avian"
- 70 21 Change "the plan. is dubious." to "the plan is dubious."
- 71 18 Change "synergystic" to "synergistic"
- 71 22 Change “Exhibit 1-2 Project Site” to “Exhibit 1-2 Project Site.”
- 73 1 Change "(Bacchus, 2006, Bacchus et al., 2011," to "(Bacchus, 2006, Bacchus et al., 2011)"
- 73 1-9 Delete sentence beginning “The peer-reviewed published literature” and ending “(Exhibit INT435)”
- 74 7 Move Question and Answer 53 to end of testimony after Section F.

Respectfully submitted,

*Signed (electronically) by:*

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Field Code Changed

July 6, 2012