

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

Formatted: Font: (Default) Times New Roman

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

Page Line Change

- | | | |
|----|-------|--|
| 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 " (Exhibit NRC001) " |
| 5 | 9 | Change "role they plan" to "roles they play" |
| 6 | 22-23 | Insert "and Exhibits INT393-INT400 " after " Exhibits INT303-333 " |
| 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 " Exhibit INT353 " to " Exhibit INT352 " |

- 11 20 Change “used as synonymously” to “used synonymously”
- 11 21 Insert “**(Exhibit INT361)**” after “(Stewart and Stedje, 1990)
- 13 5 Change “Bacchus, 1998)” to “(Bacchus, 1998)”
- 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 “**(Exhibits INT335 through INT339)**” after “Figures 1A-E”
- 21 5-6 Insert “**(Exhibit INT343)**” 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 “**Exhibits INT335 through INT339 and Exhibit INT 343, respectively**” after “Figures 1A-E”
- 22 14 Change “FEIS indicates” to “FEIS indicates:”
- 24 11 Change “**Exhibit INT304-33**” to “**Exhibit INT304-333**”
- 24 11 Change “**Exhibit INT333**” to “**Exhibit INT303**”
- 25 9 Change “subterranean caves and cavities” to “and subterranean cavities”
- 26 8 Insert “**(Exhibit INT354)**” after “Littlefield et al. (1984)
- 26 9 Insert “**(Exhibit INT361)**” after “Stewart and Stedje (1990)
- 26 9 Insert “**(Exhibit INT366)**” after “Bacchus et al. (2003)
- 28 6 Change “browns” to “browns”
- 28 9 Change “private residential” to “municipal”

30	17	Change “confirms this,” to “confirms this:”
30	21	Change “Accordiing” to “According”
31	13	Insert “ (Exhibit INT363) ” 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 " Exhibit INT374) " to " (Exhibit INT374) "
38	16	Insert period after “Levy roads” and delete “ Exhibit INT387. ”
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 “ (Exhibit INT390) ” 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 “ (Exhibit PEF606) ” and delete “ Exhibit INT392 ”
44	21	Change “(PEF606)” to “ (Exhibit PEF606) ” and delete “ Exhibit ”
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 “**Exhibit INT411, pp. 79-90**”
- 49 2 Insert period after “green turtles.”
- 49 2-3 Delete “**Exhibit INT404, p. 4-584, 4-586, and 4-587**”
- 49 8 Change “**Exhibit INT211**” to “**Exhibit INT215**”
- 50 5 Change “**Exhibit INT413**” to “**Exhibit INT406**”
- 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 **Exhibit INT408.**”
- 52 18 Change “**Exhibit INT414**” to “**Exhibit INT336**”
- 53 8 Change “**INT415**” to **INT215**”
- 54 5 Insert “**(Exhibit INT415)**” after “Horseshoe Beach Utilities”
- 54 6 Delete “**(Exhibit INT415 and INT 416, respectively)**”
- 57 6 Change “**(Exhibit INT417)**” to “**(Exhibit INT369)**”
- 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 “**(Exhibit INT364)**” 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 “**Exhibit INT420**” to “**Exhibit INT368.**”
- 60 17 Delete “**(Exhibit INT421)**”
- 60 17 Change “**Exhibit INT422**” to “**Exhibit INT355**”
- 60 18 Change “**Exhibit INT423**” to “**Exhibit INT357**”
- 60 18 Delete “Brook and Carver (1980; 1981; **Exhibit INT424 and INT 425)**”
- 60 19 Change “**INT426**” to “**INT358**”
- 60 19 Delete “Leveinen et al. (1998, **Exhibit INT427,**”
- 61 21 Change “**(Exhibit INT304-Exhibit INT330)**” to “**(Exhibit INT304-Exhibit INT333)**”
- 61 23 Insert “**(Exhibit INT306)**” after “photograph number 0819”
- 61 24 Insert “**(Exhibit INT384)**” after “May 22, 2012
- 62 14 Change "and that construction" to "and construction"
- 64 7 Change "Exhibit INT-__" to "**Exhibit INT429**"
- 64 9 Change “was” to “were”
- 64 12 Change “included” to “include”
- 64 14-15 Change "Exhibit INT-__" to **Exhibit INT429**”
- 64 19 Change "grout that no" to "grout, no"
- 64 21 Change "**behind** the photograph of the monitor well" to "**behind** the monitor well"
- 65 13-14 Change “Bacchus et al. (2011, **Exhibit INT421**” to “Bacchus et al. (2011)
- 65 16 Change “supports” to “support”
- 65 17 Change "alterations hav " to "alterations have"
- 66 14 Change "that the proposed LNP" to "from which the proposed LNP"

Formatted: Font: Bold

Formatted: Font: Bold

- 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:

Diane Curran
 Harmon, Curran, Spielberg & Eisenberg, L.L.P.
 1726 M Street N.W. Suite 600
 Washington, D.C. 20036
 202-328-3500
 Fax: 202-328-6918
 E-mail: dcurran@harmoncurran.com

Field Code Changed

July 6, 2012