

Corrected July 10, 2012

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 (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 " (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 “brown”

- 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"
- 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 1-9 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

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