

In the Matter of: Progress Energy Florida, Inc.
(Levy County Nuclear Power Plant, Units 1 and 2)



ASLBP #: 09-879-04-COL-BD01
 Docket #: 05200029 | 05200030
 Exhibit #: PEF604-00-BD01
 Admitted: 10/31/2012
 Rejected:
 Other:
 Identified: 10/31/2012
 Withdrawn:
 Stricken:

Salt Concentrations (grams/liter) During Extended Dry Periods in Levy County, FL

1	2	3	4	5	6	7
Rainfall (in)	Rainfall (m ³)	Rainfall (liters) [*]	Cumulative Offsite Max Salt Deposition for 8 Month Dry Season (g) ^{**}	Offsite Salt Concentration (ppt) ^{***}	Cumulative Onsite Max Salt Deposition for 8 Month Dry Season (g) [#]	Onsite Salt Concentration (ppt) ^{##}
0.04	0.001	1.0	5.4	5.40	8.6	8.60
0.08	0.002	2.0	5.4	2.70	8.6	4.30
0.50	0.013	12.7	5.4	0.43	8.6	0.68
1.00	0.025	25.4	5.4	0.21	8.6	0.34
2.00	0.051	50.8	5.4	0.11	8.6	0.17
3.00	0.076	76.2	5.4	0.07	8.6	0.11
4.00	0.102	101.6	5.4	0.05	8.6	0.08
5.00	0.127	127.0	5.4	0.04	8.6	0.07
6.00	0.152	152.4	5.4	0.04	8.6	0.06
7.00	0.178	177.8	5.4	0.03	8.6	0.05
8.00	0.203	203.2	5.4	0.03	8.6	0.04
10.00	0.254	254.0	5.4	0.02	8.6	0.03
12.00	0.305	304.8	5.4	0.02	8.6	0.03
15.00	0.381	381.0	5.4	0.01	8.6	0.02
20.00	0.508	508.0	5.4	0.01	8.6	0.02

Highlighted row reflects the minimum rainfall for Levy County dry season since 1915

* liters of rainfall = Rainfall (in) X .0254 m/in X 1 m² X 1000 liters / m³

** 0.68 g/m²/mo X 1m² X 8 months (0.68 g/m²/mo is equal to 6.8 kg/ha/mo, the maximum offsite deposition rate)

*** = Column 4/Column 3

1.075 g/m²/mo X 1m² X 8 months (1.075 g/m²/mo is equal to 10.75 kg/ha/mo, the maximum onsite deposition rate)

= Column 6/Column 3