




United States Nuclear Regulatory Commission Official Hearing Exhibit	
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 #: PEF012-00-BD01 Admitted: 10/31/2012 Rejected: Other:
	Identified: 10/31/2012 Withdrawn: Stricken:

Water-Data Report 2011

02313250 WITHLACOOCHEE RIVER BYPASS CHANNEL NEAR INGLIS, FL

Tampa Bay Basin
Withlacoochee Subbasin

LOCATION.--Lat 29°01'15", long 82°38'17" referenced to North American Datum of 1927, in NE ¼ sec.12, T.17 S., R.16 E., Levy County, FL, Hydrologic Unit 03100208, on right wingwall at downstream side of culverts for Inglis Lock access road, 1.3 mi upstream from control structure, 1.4 mi upstream from mouth, and 3.0 mi east of Inglis.

DRAINAGE AREA.--Indeterminate.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--January 1970 to current year.

GAGE.--Water-stage recorder, gate-opening recorder, and data-collection platform. Datum of gage is at NGVD of 1929 (U.S. Army Corps of Engineers bench mark). Prior to July 16, 1971, water-stage recorder for Withlacoochee River at Inglis Dam, near Dunnellon (station 02313230) used as base gage for this station. Prior to Sept. 26, 1991, gage located 90 ft above control structure and 1.3 mi downstream from present site.

COOPERATION.--Gate-opening record provided by Southwest Florida Water Management District.

REMARKS.--Records fair. Flow regulated by manipulation of gates in spillway; channel completed and flow through spillway began Dec. 17, 1969. Discharge computed from relation between discharge and gate openings. Discharge at station is the diversion from Lake Rousseau to maintain flow into the old river channel.

PEF012
June 26, 2012

02313250 WITHLACOOCHEE RIVER BYPASS CHANNEL NEAR INGLIS, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,090	814	668	685	675	714	839	1,050	465	708	549	617
2	1,090	814	660	666	676	717	894	832	440	683	602	658
3	1,080	815	660	640	677	578	842	675	440	563	639	672
4	1,060	814	660	638	644	578	820	758	441	525	632	668
5	1,000	806	662	638	588	577	876	926	440	469	584	576
6	972	802	692	870	587	658	915	906	441	469	582	690
7	939	801	709	732	902	613	732	827	465	486	580	732
8	930	786	707	624	777	613	687	746	484	747	706	669
9	932	778	710	608	856	598	834	748	488	573	889	651
10	934	779	699	610	912	712	841	750	486	633	788	707
11	933	780	682	611	749	740	746	715	484	888	776	644
12	931	780	654	605	608	644	748	664	481	977	671	612
13	932	767	603	602	609	613	945	638	474	659	617	e612
14	929	707	600	605	610	572	993	665	424	586	607	e609
15	924	641	647	608	706	598	753	931	456	584	618	e609
16	920	623	675	610	772	609	729	512	564	583	633	607
17	890	709	680	795	716	628	858	370	476	650	633	607
18	825	758	682	789	678	641	910	558	474	643	631	605
19	694	781	680	610	638	640	868	715	458	540	630	605
20	856	782	674	640	639	641	810	688	436	436	629	607
21	874	781	673	894	638	616	870	454	434	436	628	706
22	853	697	634	733	637	568	895	456	432	519	627	672
23	845	644	610	500	644	568	896	535	430	683	644	624
24	847	644	610	625	719	567	918	865	429	590	803	616
25	845	645	611	846	651	566	1,000	766	484	547	663	617
26	845	648	609	718	574	563	1,010	598	604	545	607	631
27	845	652	605	768	573	564	1,010	613	602	602	516	624
28	836	752	651	744	572	566	1,000	608	600	799	604	620
29	822	773	674	725	---	569	1,030	565	507	642	639	613
30	817	735	681	672	---	618	1,050	564	476	549	702	619
31	815	---	685	674	---	793	---	531	---	550	754	---
Total	28,105	22,308	20,447	21,085	19,027	19,242	26,319	21,229	14,315	18,864	20,183	19,099
Mean	907	744	660	680	680	621	877	685	477	609	651	637
Max	1,090	815	710	894	912	793	1,050	1,050	604	977	889	732
Min	694	623	600	500	572	563	687	370	424	436	516	576

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1,069	1,029	1,012	1,014	1,057	1,035	1,018	924	912	991	1,055	1,095
Max	1,594	1,566	1,574	1,549	1,502	1,480	1,574	1,518	1,551	1,548	1,557	1,577
(WY)	(1974)	(1980)	(1998)	(1989)	(1989)	(1986)	(1984)	(1984)	(1984)	(1984)	(1984)	(1973)
Min	265	240	436	435	442	470	463	362	364	442	364	508
(WY)	(1973)	(1973)	(2001)	(2001)	(2001)	(2000)	(2001)	(2002)	(2000)	(2001)	(2001)	(2000)

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SUMMARY STATISTICS

	Calendar Year 2010	Water Year 2011	Water Years 1970 - 2011
Annual total	362,619	250,223	
Annual mean	993	686	1,013
Highest annual mean			1,488
Lowest annual mean			454
Highest daily mean	^a 1,320	1,090	1,840
Lowest daily mean	600	370	0.00
Annual seven-day minimum	619	442	86
Maximum peak stage		27.81	28.31
10 percent exceeds	1,290	894	1,470
50 percent exceeds	974	654	994
90 percent exceeds	689	514	564

^a Mar 28-30, Apr 2-11

