To: SEPA
To: CESAD
From: (CESAS-EN-HA)

1 Week Declaration
SAVANNAH RIVER SYSTEM
Revised 7/9/2013 14:01

1 Reset=0 | RBR Max Head Target **157.0**

Approximate Usable Pump Window **7.00 HRS**

	Hdecay		Rdecay		Tdecay
	0.00				
	10.00	HART Target			661.00
	10.00	RBR Target 475.00			475.50
		JST Target			330.50

RAINFALL

		SOP POOL (FT-MSL)	RULE CURVE (FT-MSL)	STARTING STORAGE (AC-FT)	LOCAL IN (CFS)	NET TOTAL IN (CFS)	TOTAL OUT (CFS)	TOTAL SPILL (CFS)	EST GEN (MWH)	DAILY TOTAL MIN GEN (MWH)	DAILY TOTAL MAX GEN (MWH)	EST PUMP (AC-FT)	ENDING STORAGE (AC-FT)	COMP ENDING POOL (FT-MSL)	Hdecay	Rdecay	Tdecay
HARTWELL	Wed 26-Jun-2013	661.72	660.00	2647500	2275	971	7235	0	2374			n/a	2635061	661.50			
	Thu 27-Jun-2013	661.65	660.00	2643475	1400	5511	5221	0	1167			n/a	2644051	661.66			
	Fri 28-Jun-2013	661.66	660.00	2644050	1415	4216	3926	0	1289			n/a	2644626	661.67			
	Sat 29-Jun-2013	661.67	660.00	2644625	2677	5512	0	0	0			n/a	2655573	661.86	1.89	-8.11	14.99
	Sun 30-Jun-2013	661.86	660.00	2655550	1491	1741	0	0	0			n/a	2659007	661.92	0.56	-0.67	1.45
	Mon 01-Jul-2013	661.92	660.00	2659000	4028	4278	10660	0	3538			n/a	2646324	661.70			
	Tue 02-Jul-2013	661.70	660.00	2646350	2771	3021	10854	0	3560	*250*	*250*	n/a	2630793	661.43			
	Wed 03-Jul-2013	661.43	660.00	2630825	9046	9296	11617	0	3835	3585	4085	n/a	2626215	661.35			
	Thu 04-Jul-2013	661.35	660.00	2626225	5221	27259	9562	0	3124	2874	3374	n/a	2661372	661.96			
	Fri 05-Jul-2013	661.96	660.00	2661300	4229	33051	9989	0	3333	3083	3583	n/a	2707101	662.74			
	Sat 06-Jul-2013	662.74	660.00	2706964	3806	28903	719	0	229	0	479	n/a	2762936	663.68			
	Sun 07-Jul-2013	663.68	660.00	2762796	3425	20366	585	0	175	0	425	n/a	2802081	664.33			
	Mon 08-Jul-2013	664.33	660.00	2801964	3083	21560	7448	0	2497	2247	2747	n/a	2829991	664.79			
	Tue 09-Jul-2013	664.79	660.00	2829991	41616	45900	54000	0	16944	16694	17194	n/a	2813904	664.53	**4.50**		
	Wed 10-Jul-2013	664.53	660.00	2813904	14387	18670	12500	0	3922	3672	4172	n/a	2826159	664.73	**0.50**	**0.50**	**0.50**
	Thu 11-Jul-2013	664.73	660.00	2826159	9064	13347	12500	0	3922	3672	4172	n/a	2827842	664.76	**0.50**	**0.50**	**0.50**
	Fri 12-Jul-2013	664.76	660.00	2827842	6798	11081	12500	0	3922	3672	4172	n/a	2825024	**664.71**	**0.25**	**0.25**	**0.50**
					LOC	TOT			GEN	MIN	MAX				PUMP HR	PUMP CFS	AVL UNITS
RUSSELL	Wed 26-Jun-2013	476.06	475.00	1054792	-320	6914	8427	0	2214			0	1051787	475.95	0	0	2
	Thu 27-Jun-2013	475.95	475.00	1051802	-48	5173	5724	0	1507			0	1050708	475.91	0	0	2
	Fri 28-Jun-2013	475.91	475.00	1050716	-51	3876	4017	0	1058			0	1050434	475.90	0	0	2
	Sat 29-Jun-2013	475.90	475.00	1050444	411	411	0	0	0			0	1051260	475.93	0	0	2
	Sun 30-Jun-2013	475.93	475.00	1051259	-274	-274	0	0	0			0	1050714	475.91	0	0	2
	Mon 01-Jul-2013	475.91	475.00	1050716	1120	11780	11650	0	3133			0	1050974	475.92	0	0	2
	Tue 02-Jul-2013	475.92	475.00	1050987	1488	12342	11521	0	3106	*250*	*250*	0	1052617	475.98	0	0	2
	Wed 03-Jul-2013	475.98	475.00	1052616	2132	13749	12652	0	3391	3141	3641	0	1054795	476.06	0	0	2
	Thu 04-Jul-2013	476.06	475.00	1054792	5541	15103	15100	0	4075	3825	4325	0	1054797	476.06	0	0	2
	Fri 05-Jul-2013	476.06	475.00	1054792	5090	15079	18234	0	4778	4528	5028	0	1048526	475.83	0	0	2
	Sat 06-Jul-2013	475.83	475.00	1048547	3280	3999	20	0	5	0	0	0	1056450	476.12	0	0	4
	Sun 07-Jul-2013	476.12	475.00	1056425	3141	3726	0	0	0	0	0	0	1063825	476.39	0	0	4
	Mon 08-Jul-2013	476.39	475.00	1063799	1366	8814	10612	0	2768	2518	3018	0	1060228	476.26	0	0	4
	Tue 09-Jul-2013	476.26	475.00	1060228	1059	55059	20000	0	5331	5081	5581	0	1129854	478.75	0	0	4
	Wed 10-Jul-2013	478.75	475.00	1129854	2197	14697	17000	0	4531	4281	4781	0	1125281	478.59	0	0	4
	Thu 11-Jul-2013	478.59	475.00	1125281	3985	16485	17000	0	4531	4281	4781	0	1124259	478.55	0	0	4
	Fri 12-Jul-2013	478.55	475.00	1124259	4421	16921	17000	0	4531	4281	4781	0	1124101	**478.55**	0	0	4
					LOC	TOT			GEN	MIN	MAX				**0**		
THURMOND	Wed 26-Jun-2013	330.24	330.00	2528720	714	9141	6317	0	1567	10628	930	0	2534170	330.31	0.33	0.26	0.25
	Thu 27-Jun-2013	330.33	330.00	2535740	1587	7311	6605	0	1650	4000	350	0	2536991	330.35	0.22	0.26	0.25
	Fri 28-Jun-2013	330.35	330.00	2537300	211	4229	6346	0	1592			0	2532952	330.29	0.33	0.26	0.25
	Sat 29-Jun-2013	330.30	330.00	2533400	3169	3169	5993	0	1510			0	2527653	330.23	0.33	0.26	0.25
	Sun 30-Jun-2013	330.22	330.00	2527160	4603	4603	6015	0	1508			0	2524212	330.18	0.33	0.26	0.25
	Mon 01-Jul-2013	330.18	330.00	2524040	3611	15260	15260	0	3763	*100*	*100*	0	2523891	330.18	0.33	0.27	0.25
	Tue 02-Jul-2013	330.16	330.00	2522480	3721	15242	15242	0	3758	*3800*	*27000*	0	2522331	330.16	0.33	0.27	0.25
	Wed 03-Jul-2013	330.18	330.00	2524040	6654	19306	15424	**0**	3837	3737	3937	0	2531589	330.28	0.33	0.27	0.25
	Thu 04-Jul-2013	330.32	330.00	2534960	26250	41350	7478	**0**	1904	1804	2004	0	2601980	331.18	0.33	0.27	0.25
	Fri 05-Jul-2013	331.24	330.00	2606720	22609	40842	8982	**0**	2268	2168	2368	0	2669750	332.05	0.33	0.26	0.25
	Sat 06-Jul-2013	331.99	330.00	2665220	14829	14849	14063	**0**	3594	3494	3694	0	2666631	332.01	0.32	0.25	0.26
	Sun 07-Jul-2013	332.03	330.00	2668340	14875	14875	17235	**0**	4390	4290	4490	0	2663511	331.97	0.30	0.25	0.25
	Mon 08-Jul-2013	331.95	330.00	2662100	15284	25896	24716	**0**	6276	6176	6376	0	2664291	331.98	0.34	0.26	0.25
	Tue 09-Jul-2013	331.98	330.00	2664291	6465	26465	25148	**0**	6248	6148	6348	0	2666755	332.01	0.31	0.27	0.25
	Wed 10-Jul-2013	332.01	330.00	2666755	7710	24710	25148	**0**	6248	6148	6348	0	2665737	332.00	0.31	0.27	0.25
	Thu 11-Jul-2013	332.00	330.00	2665737	7633	24633	25148	**0**	6248	6148	6348	0	2664567	331.98	0.31	0.27	0.25
	Fri 12-Jul-2013	331.98	330.00	2664567	7556	24556	25148	**0**	6248	6148	6348	0	2663245	**331.96**	0.31	0.27	0.25
		SOP POOL (FT-MSL)	RULE CURVE (FT-MSL)	STARTING STORAGE (AC-FT)	LOCAL IN (CFS)	TOTAL IN (CFS)	TOTAL OUT (CFS)	TOTAL SPILL (CFS)	EST GEN (MWH)	MIN GEN (MWH)	MAX GEN (MWH)	EST PUMP (AC-FT)	ENDING STORAGE (AC-FT)	ENDING POOL (FT-MSL)	HART Gen/Q	RBR Gen/Q	THUR Gen/Q
					2294	332	2517								**0.31**	**0.26**	**0.25**

Weekly Generation Totals		31611	21697	39252
For week beginning	Sat 6-Jul	Hartwell	750	Thurmond
Weekly Average Discharge		14322	11662	22372
Current Week Gen Totals		**8635**	**7200**	**10115**
For week beginning	Sat 29-Jun	17390	18483	18548
Weekly Average Discharge		7526	9880	10628
		11740	2778	10622

Current Week

31195 (MW-HR) Contracted
25950 (MW-HR) Originally Declared
54421 (MW-HR) Observed/Projected
28471 (MW-HR) Over Declaration
23226 (MW-HR) Over Contract
0 unit-hours Pumping

Next Week

31195 (MW-HR) Contracted — Ending Pool Balance 2.74 feet
92560 (MW-HR) Declared — 80 unit-hours Pumping Required
61365 (MW-HR) Over Contract — 0 unit-hours Pumping Proposed
5200 MW-HR contracted from pumping

REMARKS

Note: Generate at least 6 unit-hours of not less than 60 MW within 12 hours prior to pump operation.

(Sunset/Sunrise Calculation) http://aa.usno.navy.mil/data/docs/RS_OneYear.html

Hourly Pumping Schedule

Start	End	Unit-Hours
Wed 07/03 21:00 CDT	Thu 07/04 04:00 CDT	0
Thu 07/04 21:00 CDT	Fri 07/05 04:00 CDT	0
Fri 07/05 21:00 CDT	Sat 07/06 04:00 CDT	0
Sat 07/06 21:00 CDT	Sun 07/07 04:00 CDT	0
Sun 07/07 21:00 CDT	Mon 07/08 04:00 CDT	0
Mon 07/08 21:00 CDT	Tue 07/09 04:00 CDT	0
Tue 07/09 21:00 CDT	Wed 07/10 04:00 CDT	0
Wed 07/10 21:00 CDT	Thu 07/11 04:00 CDT	0
Thu 07/11 21:00 CDT	Fri 07/12 04:00 CDT	0
Fri 07/12 21:00 CDT	Sat 07/13 04:00 CDT	0