AP1000 DCD Revisions 15 and 16 Values:
Summary of Cooling System Flow Rate Changes

Flow numbers from ER Rev 2 (Rev 15) versus later hydrology flow rates from Southern Nuclear Company (Rev 16); heat rejected is per unit, all water flow rates are for two units.

Stream Description	**Normal Case**		**Max Case**		**Source of New Information / Comment**
	Rev 15	**Rev 16**	**Rev 15**	**Rev 16**	
Heat rejected **per unit**, BTU/hr	7.55E9	7.63E9			SNC letter Dec 26, 2007, Enclosure 1 ML073620401
CWS total makeup[1], gpm; from Savannah River	37,224	38,825	57,784	61,145	SNC letter Dec 26, 2007, Enclosure 1 ML073620401
CWS consumptive use, gpm	27,924	29,125	28,904	30,585	SNC letter Dec 26, 2007, Enclosure 1 ML073620401
CWS CT blowdown, gpm	9300	9700	28,880	30,560	SNC letter Dec 26, 2007, Enclosure 1 ML073620401
Plant Well Water Demand[2]	752	752	3140	2797	SNC letter April 4, 2008, Enclosure ML080990410
SWS CT makeup[3] from groundwater, gpm	537	537	2353	1600	SNC letter Dec 26, 2007, Enclosure 1 ML073620401
SWS CT consumptive use, gpm	403	403	1177	1100	SNC letter April 4, 2008, Enclosure ML080990410
SWS CT blowdown rate, gpm	134	134	1176	500	SNC letter Dec 26, 2007, Enclosure 1 ML073620401
Well Water for Power Plant	215	215	787	1197	SNC letter Dec 26, 2007, Enclosure 1 ML073620401
Plant Effluent Discharge to River[4]	9608	9608	30,761	31,695	SNC letter June 26, 2008

[1] The Circulating Water System (CWS) Total Makeup is composed of the CWS consumptive use and the CWS Cooling Tower (CT) blowdown rates.
[2] The Plant Well Water Demand is composed of the Service Water System (SWS) makeup and the Well Water for Power Plant rates.
[3] The Service Water System Cooling Tower (SWS CT) makeup is composed of the SWS CT consumptive use and the SWS CT blowdown.

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[4] Plant Effluent Discharge to River is composed of the CWS CT blowdown, SWS CT blowdown, treated sanitary waste discharge, miscellaneous low volume waste discharge, wastewater retention basin discharge, and treated liquid radwaste discharge; however, not all discharge simultaneously.