Table 1. Operating Conditions for Intake Pumping Station

Number Operating Units	Flow Condition	ERCW System			RCW System			Approx Combined Flow ERCW & RCW systems	
		Number Operating Pumps	Approx Combined Flow of Pumps		Number Operating Pumps	Approx Combined Flow of Pumps			
One	Representation of Unit 1 operating experience	2	47.9	cfs	4	40.1	cfs	88.0	cfs
			21,500	gpm		18,000	gpm	39,500	gpm
			31.0	mgd		25.9	mgd	56.9	mgd
Two	Normal mode	2	47.9	cfs	6	68.2	cfs	116.1	cfs
			21,500	gpm		30,600	gpm	52,100	gpm
			31.0	mgd		44.1	mgd	75.1	mgd
	Normal max mode	4	106.1	cfs	6	68.2	cfs	174.3	cfs
			47,600	gpm		30,600	gpm	78,200	gpm
			68.5	mgd		44.1	mgd	112.6	mgd

Table 2. Hourly River Flow

Month	Hourly River Flow (°F)		
	Min	Average	Max
Jan	0	36132	122404
Feb	0	40256	115311
Mar	0	34047	156599
Apr	0	19978	156599
May	0	16982	119306
Jun	0	20909	81291
Jul	0	18723	60179
Aug	0	22584	49140
Sep	0	21687	81288
Oct	0	20789	70603
Nov	0	29240	84984
Dec	0	32374	102251

Table 3. Hourly Ambient River Temperature

Month	Hourly Ambient River Temperature (°F)		
	Min	Average	Max
Jan	36.6	44.2	52.0
Feb	36.3	43.9	52.2
Mar	38.9	49.1	60.0
Apr	47.8	56.5	67.2
May	54.4	64.1	73.2
Jun	61.6	71.6	79.7
Jul	68.7	76.6	83.9
Aug	72.4	78.3	84.6
Sep	69.6	76.4	82.7
Oct	57.5	68.6	79.2
Nov	47.1	58.6	68.8
Dec	37.7	49.4	59.5

Table 4. Hourly Drybulb Temperature

Month	Hourly Drybulb Temperature (°F)		
	Min	Average	Max
Jan	-9.9	39.3	77.0
Feb	3.0	43.6	79.0
Mar	10.0	51.9	87.1
Apr	26.1	60.4	91.0
May	37.9	68.1	93.0
Jun	46.9	75.6	100.9
Jul	57.0	78.9	105.1
Aug	54.0	78.2	104.0
Sep	41.0	71.6	100.0
Oct	26.1	60.1	91.0
Nov	16.0	50.4	82.9
Dec	-2.0	42.3	77.0

Table 5. Hourly Wetbulb Temperature

Month	Hourly Wetbulb Temperature (°F)		
	Min	Average	Max
Jan	-10.7	35.4	67.0
Feb	2.5	38.7	66.7
Mar	8.2	45.6	72.4
Apr	23.3	53.0	76.2
May	36.2	61.4	79.8
Jun	41.0	68.5	81.3
Jul	46.0	71.8	85.2
Aug	52.9	71.1	84.0
Sep	40.3	65.4	78.5
Oct	25.3	54.6	76.5
Nov	15.2	45.7	72.2
Dec	-3.0	38.3	68.9

Table 6. Difference between Hourly Wetbulb and Hourly Ambient River Temperatures

Month	Difference Between Hourly Wetbulb Temperature and Hourly Ambient River Temperature (°F)		
	Min	Average	Max
Jan	-53.9	-8.8	22.1
Feb	-38.9	-5.2	24.3
Mar	-36.2	-3.5	22.2
Apr	-36.3	-3.5	18.3
May	-27.8	-2.7	15.6
Jun	-26.2	-3.2	11.7
Jul	-31.2	-4.8	9.9
Aug	-26.5	-7.2	5.5
Sep	-35.6	-11.0	3.0
Oct	-38.4	-13.9	7.8
Nov	-42.5	-12.9	16.2
Dec	-46.9	-11.1	22.8

Table 7. Water Surface Elevations in Watts Bar and Chickamauga Reservoirs

Month	Watts Bar Reservoir WSEL (feet msl)	Chickamauga Reservoir WSEL (feet msl)
Jan	736.00	677.00
Feb	736.00	677.00
Mar	736.00	677.00
Apr	739.80	681.50
May	740.75	682.50
Jun	740.75	682.50
Jul	740.75	682.50
Aug	740.75	682.50
Sep	740.75	682.50
Oct	740.75	681.00
Nov	740.75	679.00
Dec	736.00	677.00

Table 8. Operating Assumptions for Unit 1 and Unit 2 for Normal Winter and Summer Conditions

Month	Avg Hourly River Flow (cfs)	Avg Hourly River Temp (°F)	Avg Hourly Drybulb Temp (°F)	Avg Hourly Wetbulb Temp (°F)	Unit 1 Power (% OLP)	Unit 2 Power (% OLP)	No. Unit 1 CCW Pumps	No. Unit 2 CCW Pumps	Tower 1 Capability (%)	Tower 2 Capability (%)	No. ERCW Pumps	No. RCW Pumps	Watts Bar Reservoir WSEL (feet msl)	Chickamauga Reservoir WSEL (feet msl)	Pond WSEL (feet msl)	SCCW Operation
Jan	36132	44.2	39.3	35.4	101.4	100	4	4	105%	105%	2	6	736.00	677.00	698.00	Summer
Feb	40256	43.9	43.6	38.7	101.4	100	4	4	105%	105%	2	6	736.00	677.00	698.00	Summer
Mar	34047	49.1	51.9	45.6	101.4	100	4	4	105%	105%	2	6	736.00	677.00	698.00	Summer
Apr	19978	56.5	60.4	53.0	101.4	100	4	4	105%	105%	2	6	739.80	681.50	698.00	Summer
May	16982	64.1	68.1	61.4	101.4	100	4	4	105%	105%	2	6	740.75	682.50	698.00	Summer
Jun	20909	71.6	75.6	68.5	101.4	100	4	4	105%	105%	2	6	740.75	682.50	698.00	Summer
Jul	18723	76.6	78.9	71.8	101.4	100	4	4	105%	105%	2	6	740.75	682.50	698.00	Summer
Aug	22584	78.3	78.2	71.1	101.4	100	4	4	105%	105%	2	6	740.75	682.50	698.00	Summer
Sep	21687	76.4	71.6	65.4	101.4	100	4	4	105%	105%	2	6	740.75	682.50	698.00	Summer
Oct	20789	68.6	60.1	54.6	101.4	100	4	4	105%	105%	2	6	740.75	681.00	698.00	Summer
Nov	29240	58.6	50.4	45.7	101.4	100	4	4	105%	105%	2	6	740.75	679.00	698.00	Summer
Dec	32374	49.4	42.3	38.3	101.4	100	4	4	105%	105%	2	6	736.00	677.00	698.00	Summer

Table 9. Simulation Results for Operation of Unit 1 and Unit 2 for Normal Winter and Summer Conditions - Hourly Avg Heat Balance

Month	Waste Heat Created			Waste Heat Dissipation in Atmosphere via Cooling Towers			Waste Heat Dissipation in River via Diffusers/Outfall 101	Waste Heat to (+) or from (-) Storage in Yard Holding Pond	Waste Heat Dissipation in River via Yard Holding Pond Overflow/Outfall 102	Waste Heat Dissipation in River via SCCW System/Outfall 113
	Unit 1 (10^6 BTU)	Unit 2 (10^6 BTU)	Total (10^6 BTU)	Unit 1 (10^6 BTU)	Unit 2 (10^6 BTU)	Total (10^6 BTU)	(10^6 BTU)	(10^6 BTU)	(10^6 BTU)	(10^6 BTU)
Jan	7682	7572	15254	7177	6723	13900	220	NA	NA	1134
Feb	7689	7576	15265	7131	6614	13745	249	NA	NA	1271
Mar	7710	7591	15301	7177	6680	13857	235	NA	NA	1209
Apr	7742	7618	15360	7167	6737	13904	248	NA	NA	1208
May	7796	7662	15458	7285	6894	14179	219	NA	NA	1060
Jun	7862	7720	15582	7460	7091	14551	178	NA	NA	853
Jul	7904	7762	15666	7598	7283	14881	136	NA	NA	649
Aug	7903	7765	15668	7669	7398	15067	104	NA	NA	497
Sep	7830	7718	15548	7656	7457	15113	75	NA	NA	360
Oct	7744	7647	15391	7532	7338	14870	90	NA	NA	431
Nov	7703	7601	15304	7337	7050	14387	159	NA	NA	758
Dec	7683	7579	15262	7268	6896	14164	177	NA	NA	921

Table 10. Simulation Results for Operation of Unit 1 and Unit 2 for Normal Winter and Summer Conditions - Flow Balance and Temperature

Month	Inflow from Intake Pumping Station		Inflow from SCCW System		Cooling Tower Evaporation	Discharge from Diffusers/Outfall 101				Discharge to (+) or from (-) Storage in Yard Holding Pond		Discharge from Yard Holding Pond Overflow/Outfall 102		Discharge from SCCW System/Outfall 113			
	Flow	Temp	Flow	Temp		Flow	Temp End of Pipe	Temp End of Mixing Zone	Temp Rise End of Mixing Zone	Flow	Temp	Flow	Temp	Flow	Temp End of Pipe	Temp End of Mixing Zone	Temp Rise End of Mixing Zone
	(cfs)	(°F)	(cfs)	(°F)	(cfs)	(cfs)	(°F)	(°F)	(°F)	(cfs)	(°F)	(cfs)	(°F)	(cfs)	(°F)	(°F)	(°F)
Jan	174	46.0	205	44.2	59	54	63.3	46.1	0.1	NA	NA	NA	NA	266	63.3	46.0	1.8
Feb	174	45.5	205	43.9	58	54	65.2	45.6	0.1	NA	NA	NA	NA	267	65.2	45.5	1.6
Mar	174	50.9	205	49.1	59	54	69.4	51.0	0.1	NA	NA	NA	NA	266	69.4	50.9	1.8
Apr	174	58.7	262	56.5	59	67	74.0	58.9	0.2	NA	NA	NA	NA	310	74.0	58.7	2.2
May	174	66.1	274	64.1	60	70	79.0	66.3	0.2	NA	NA	NA	NA	318	79.0	66.1	2.0
Jun	174	73.0	274	71.6	62	69	83.6	73.1	0.1	NA	NA	NA	NA	317	83.6	73.0	1.4
Jul	174	77.6	275	76.6	63	69	85.8	77.8	0.1	NA	NA	NA	NA	317	85.8	77.6	1.0
Aug	174	79.1	275	78.3	64	69	85.3	79.2	0.1	NA	NA	NA	NA	316	85.3	79.1	0.8
Sep	174	77.0	275	76.4	64	69	81.5	77.0	0.1	NA	NA	NA	NA	316	81.5	77.0	0.6
Oct	174	69.4	275	68.6	63	69	74.7	69.5	0.1	NA	NA	NA	NA	317	74.7	69.4	0.8
Nov	174	59.8	274	58.6	61	69	69.3	59.9	0.1	NA	NA	NA	NA	318	69.3	59.8	1.2
Dec	174	51.1	205	49.4	60	54	64.9	51.1	0.1	NA	NA	NA	NA	265	64.9	51.1	1.7

Table 11. Cases Yielding Greatest Impact on Receiving Waterbody

Case	Condition Producing
1	Maximum Instream Temperature Rise at Outfall 101
2	Maximum Instream Temperature Rise at Outfall 113
3	Maximum Combined Instream Temperature Rise at Outfall 101 and Outfall 113
4	Maximum Instream Temperature at Outfall 101
5	Maximum Instream Temperature at Outfall 113

Table 12. Operating Assumptions for Unit 1 and Unit 2 for Greatest Impact on Receiving Waterbody

Case	Hourly River Flow (cfs)	Hourly River Temp (°F)	Hourly Drybulb Temp (°F)	Hourly Wetbulb Temp (°F)	Unit 1 Power (% OLP)	Unit 2 Power (% OLP)	No. Unit 1 CCW Pumps	No. Unit 2 CCW Pumps	Tower 1 Capability (%)	Tower 2 Capability (%)	No. ERCW Pumps	No. RCW Pumps	Watts Bar Reservoir WSEL (feet msl)	Pond WSEL (feet msl)	SCCW Operation
1	3500	42.4	56.5	54.5	101.4	100	4	4	105%	105%	4	6	736.00	707.00	Summer
2	0	42.4	56.5	54.5	101.4	100	4	4	105%	105%	4	6	736.00	707.00	Winter
3	3500	42.4	56.5	54.5	101.4	100	4	4	105%	105%	4	6	736.00	707.00	Summer
4	3500	84.6	93.9	83.0	101.4	100	4	4	105%	105%	4	6	740.75	707.00	Summer
5	0	84.6	93.9	83.0	101.4	100	4	4	105%	105%	4	6	740.75	707.00	Summer

Table 13. Simulation Results for Operation of Unit 1 and Unit 2 for Greatest Impact on Receiving Water Body - Hourly Avg Heat Balance

Case	Waste Heat Created			Waste Heat Dissipation in Atmosphere via Cooling Towers			Waste Heat Dissipation in River via Diffusers/Outfall 101	Waste Heat to (+) or from (-) Storage in Yard Holding Pond	Waste Heat Dissipation in River via Yard Holding Pond Overflow/Outfall 102	Waste Heat Dissipation in River via SCCW System/Outfall 113
	Unit 1 (BTU)	Unit 2 (BTU)	Total (BTU)	Unit 1 (BTU)	Unit 2 (BTU)	Total (BTU)	(BTU)	(BTU)	(BTU)	(BTU)
1	7730	7600	15330	6880	6261	13141	999	-651	0	1841
2	7736	7609	15345	7052	6502	13554	0	258	0	1533
3	7718	7600	15318	6869	6260	13129	999	-651	0	1841
4	8081	7910	15991	7762	7428	15190	328	-192	0	665
5	8083	7912	15995	7740	7462	15202	0	130	0	663

Table 14. Simulation Results for Operation of Unit 1 and Unit 2 for Greatest Impact on Receiving Water Body - Flow Balance and Temperature

Case	Inflow from Intake Pumping Station		Inflow from SCCW System		Cooling Tower Evaporation	Discharge from Diffusers/Outfall 101				Discharge to (+) or from (-) Storage in Yard Holding Pond		Discharge from Yard Holding Pond Overflow/Outfall 102		Discharge from SCCW System/Outfall 113			
	Flow	Temp	Flow	Temp		Flow	Temp End of Pipe	Temp End of Mixing Zone	Temp Rise End of Mixing Zone	Flow	Temp	Flow	Temp	Flow	Temp End of Pipe	Temp End of Mixing Zone	Temp Rise End of Mixing Zone
	(cfs)	(°F)	(cfs)	(°F)	(cfs)	(cfs)	(°F)	(°F)	(°F)	(cfs)	(°F)	(cfs)	(°F)	(cfs)	(°F)	(°F)	(°F)
1	174	47.3	205	42.4	57	156	73.7	48.8	1.6	-102	73.7	0	NA	268	73.7	47.3	4.9
2	174	47.9	211	42.4	59	0	73.7	47.8	0.0	41	73.7	0	NA	285	66.8	47.8	5.4
3	174	47.3	205	42.4	57	156	73.7	48.8	1.6	-102	73.7	0	NA	268	73.7	47.3	4.9
4	174	86.0	275	84.6	65	165	94.0	86.4	0.4	-96	94.0	0	NA	315	94.0	86.0	1.4
5	174	86.9	275	84.6	65	0	94.0	86.9	0.0	69	94.0	0	NA	315	94.0	86.9	2.3

- Table 15. Operating Assumptions for Unit 1 for Normal Winter and Summer Conditions

Month	Avg Hourly River Flow (cfs)	Avg Hourly River Temp (°F)	Avg Hourly Drybulb Temp (°F)	Avg Hourly Wetbulb Temp (°F)	Unit 1 Power (% OLP)	Unit 2 Power (% OLP)	No. Unit 1 CCW Pumps	No. Unit 2 CCW Pumps	Tower 1 Capability (%)	Tower 2 Capability (%)	No. ERCW Pumps	No. RCW Pumps	Watts Bar Reservoir WSEL (feet msl)	Chickamauga Reservoir WSEL (feet msl)	Pond WSEL (feet msl)	SCCW Operation
Jan	36132	44.2	39.3	35.4	101.4	0	4	0	105%	NA	2	4	736.00	677.00	698.00	Summer
Feb	40256	43.9	43.6	38.7	101.4	0	4	0	105%	NA	2	4	736.00	677.00	698.00	Summer
Mar	34047	49.1	51.9	45.6	101.4	0	4	0	105%	NA	2	4	736.00	677.00	698.00	Summer
Apr	19978	56.5	60.4	53.0	101.4	0	4	0	105%	NA	2	4	739.80	681.50	698.00	Summer
May	16982	64.1	68.1	61.4	101.4	0	4	0	105%	NA	2	4	740.75	682.50	698.00	Summer
Jun	20909	71.6	75.6	68.5	101.4	0	4	0	105%	NA	2	4	740.75	682.50	698.00	Summer
Jul	18723	76.6	78.9	71.8	101.4	0	4	0	105%	NA	2	4	740.75	682.50	698.00	Summer
Aug	22584	78.3	78.2	71.1	101.4	0	4	0	105%	NA	2	4	740.75	682.50	698.00	Summer
Sep	21687	76.4	71.6	65.4	101.4	0	4	0	105%	NA	2	4	740.75	682.50	698.00	Summer
Oct	20789	68.6	60.1	54.6	101.4	0	4	0	105%	NA	2	4	740.75	681.00	698.00	Summer
Nov	29240	58.6	50.4	45.7	101.4	0	4	0	105%	NA	2	4	740.75	679.00	698.00	Summer
Dec	32374	49.4	42.3	38.3	101.4	0	4	0	105%	NA	2	4	736.00	677.00	698.00	Summer

Table 16. Simulation Results for Operation of Unit 1 for Normal Winter and Summer Conditions - Hourly Avg Heat Balance

Month	Waste Heat Created			Waste Heat Dissipation in Atmosphere via Cooling Towers			Waste Heat Dissipation in River via Diffusers/Outfall 101	Waste Heat to (+) or from (-) Storage in Yard Holding Pond	Waste Heat Dissipation in River via Yard Holding Pond Overflow/Outfall 102	Waste Heat Dissipation in River via SCCW System/Outfall 113
	Unit 1 (10^6 BTU)	Unit 2 (10^6 BTU)	Total (10^6 BTU)	Unit 1 (10^6 BTU)	Unit 2 (10^6 BTU)	Total (10^6 BTU)	(10^6 BTU)	(10^6 BTU)	(10^6 BTU)	(10^6 BTU)
Jan	7733	0	7733	6584	0	6584	179	0	0	970
Feb	7735	0	7735	6445	0	6445	202	0	0	1088
Mar	7754	0	7754	6524	0	6524	191	0	0	1039
Apr	7779	0	7779	6507	0	6507	212	0	0	1060
May	7827	0	7827	6700	0	6700	190	0	0	937
Jun	7891	0	7891	6982	0	6982	153	0	0	756
Jul	7938	0	7938	7243	0	7243	117	0	0	578
Aug	7944	0	7944	7414	0	7414	89	0	0	441
Sep	7890	0	7890	7508	0	7508	64	0	0	318
Oct	7794	0	7794	7338	0	7338	77	0	0	379
Nov	7747	0	7747	6951	0	6951	134	0	0	662
Dec	7735	0	7735	6802	0	6802	144	0	0	789

Table 17. Simulation Results for Operation of Unit 1 for Normal Winter and Summer Conditions - Flow Balance and Temperature

Month	Inflow from Intake Pumping Station		Inflow from SCCW System		Cooling Tower Evaporation	Discharge from Diffusers/Outfall 101				Discharge to (+) or from (-) Storage in Yard Holding Pond		Discharge from Yard Holding Pond Overflow/Outfall 102		Discharge from SCCW System/Outfall 113			
	Flow	Temp	Flow	Temp		Flow	Temp End of Pipe	Temp End of Mixing Zone	Temp Rise End of Mixing Zone	Flow	Temp	Flow	Temp	Flow	Temp End of Pipe	Temp End of Mixing Zone	Temp Rise End of Mixing Zone
	(cfs)	(°F)	(cfs)	(°F)	(cfs)	(cfs)	(°F)	(°F)	(°F)	(cfs)	(°F)	(cfs)	(°F)	(cfs)	(°F)	(°F)	(°F)
Jan	88	45.9	215	44.2	28	44	62.9	46.0	0.1	NA	NA	NA	NA	231	62.9	45.9	1.7
Feb	88	45.5	215	43.9	27	44	64.8	45.6	0.1	NA	NA	NA	NA	232	64.8	45.5	1.6
Mar	88	50.9	215	49.1	28	44	69.1	51.0	0.1	NA	NA	NA	NA	231	69.1	50.9	1.8
Apr	88	58.6	270	56.5	28	56	73.7	58.8	0.2	NA	NA	NA	NA	274	73.7	58.6	2.1
May	88	66.0	282	64.1	28	59	78.8	66.2	0.2	NA	NA	NA	NA	283	78.8	66.0	1.9
Jun	88	72.9	282	71.6	30	59	83.5	73.0	0.1	NA	NA	NA	NA	281	83.5	72.9	1.3
Jul	88	77.6	282	76.6	31	58	85.7	77.7	0.1	NA	NA	NA	NA	281	85.7	77.6	1.0
Aug	88	79.0	282	78.3	31	58	85.3	79.1	0.1	NA	NA	NA	NA	281	85.3	79.0	0.7
Sep	88	77.0	282	76.4	32	58	81.5	77.0	0.0	NA	NA	NA	NA	280	81.5	77.0	0.6
Oct	88	69.4	282	68.6	31	58	74.6	69.4	0.1	NA	NA	NA	NA	281	74.6	69.4	0.8
Nov	88	59.7	282	58.6	29	59	69.1	59.8	0.1	NA	NA	NA	NA	282	69.1	59.7	1.1
Dec	88	51.0	215	49.4	29	44	64.6	51.1	0.1	NA	NA	NA	NA	230	64.6	51.0	1.6

Table 18. Operating Assumptions for Unit 1 for Greatest Impact on Receiving Waterbody

Case	Hourly River Flow (cfs)	Hourly River Temp (°F)	Hourly Drybulb Temp (°F)	Hourly Wetbulb Temp (°F)	Unit 1 Power (% OLP)	Unit 2 Power (% OLP)	No. Unit 1 CCW Pumps	No. Unit 2 CCW Pumps	Tower 1 Capability (%)	Tower 2 Capability (%)	No. ERCW Pumps	No. RCW Pumps	Watts Bar Reservoir WSEL (feet msl)	Pond WSEL (feet msl)	SCCW Operation
1	3500	42.4	56.5	54.5	101.4	0	4	0	105%	NA	2	4	736.00	707.00	Summer
2	0	42.4	56.5	54.5	101.4	0	4	0	105%	NA	2	4	736.00	707.00	Winter
3	3500	42.4	56.5	54.5	101.4	0	4	0	105%	NA	2	4	740.75	707.00	Summer
4	3500	84.6	93.9	83.0	101.4	0	4	0	105%	NA	2	4	740.75	707.00	Summer
5	0	84.6	93.9	83.0	101.4	0	4	0	105%	NA	2	4	740.75	707.00	Summer

Table 19. Simulation Results for Operation of Unit 1 for Greatest Impact on Receiving Water Body - Hourly Avg Heat Balance

Case	Waste Heat Created			Waste Heat Dissipation in Atmosphere via Cooling Towers			Waste Heat Dissipation in River via Diffusers/Outfall 101	Waste Heat to (+) or from (-) Storage in Yard Holding Pond	Waste Heat Dissipation in River via Yard Holding Pond Overflow/Outfall 102	Waste Heat Dissipation in River via SCCW System/Outfall 113
	Unit 1 (BTU)	Unit 2 (BTU)	Total (BTU)	Unit 1 (BTU)	Unit 2 (BTU)	Total (BTU)	(BTU)	(BTU)	(BTU)	(BTU)
1	7759	0	7759	5839	0	5839	990	-695	0	1625
2	7771	0	7771	6271	0	6271	0	202	0	1298
3	7759	0	7759	5839	0	5839	990	-695	0	1625
4	8100	0	8100	7383	0	7383	324	-204	0	597
5	8101	0	8101	7387	0	7387	0	117	0	597

Table 20. Simulation Results for Operation of Unit 1 for Greatest Impact on Receiving Water Body - Flow Balance and Temperature

Case	Inflow from Intake Pumping Station		Inflow from SCCW System		Cooling Tower Evaporation	Discharge from Diffusers/Outfall 101				Discharge to (+) or from (-) Storage in Yard Holding Pond		Discharge from Yard Holding Pond Overflow/Outfall 102		Discharge from SCCW System/Outfall 113			
	Flow	Temp	Flow	Temp		Flow	Temp End of Pipe	Temp End of Mixing Zone	Temp Rise End of Mixing Zone	Flow	Temp	Flow	Temp	Flow	Temp End of Pipe	Temp End of Mixing Zone	Temp Rise End of Mixing Zone
	(cfs)	(°F)	(cfs)	(°F)	(cfs)	(cfs)	(°F)	(°F)	(°F)	(cfs)	(°F)	(cfs)	(°F)	(cfs)	(°F)	(°F)	(°F)
1	88	47.2	215	42.4	25	149	73.2	48.7	1.5	-104	73.2	0	NA	233	73.2	47.2	4.8
2	88	47.3	221	42.4	26	0	73.4	47.3	0.0	31	73.4	0	NA	252	65.2	47.3	4.9
3	88	47.2	215	42.4	25	149	73.2	48.7	1.5	-104	73.2	0	NA	233	73.2	47.2	4.8
4	88	85.9	282	84.6	31	157	94.1	86.3	0.4	-99	94.1	0	NA	281	94.1	85.9	1.3
5	88	86.7	282	84.6	31	0	94.1	86.7	0.0	58	94.1	0	NA	281	94.1	86.7	2.1

Table 21. Comparison of Plant Inflows and Outflows Based on Average of Monthly Results

Plant Operation	Approx Plant Inflow			Approx Plant Outflow					
	IPS	SCCW	Total	Cooling Tower Evaporation		Diffuser/Outfall 101		SCCW/Outfall 113	
	(cfs)	(cfs)	(cfs)	(cfs)	(% Total)	(cfs)	(% Total)	(cfs)	(% total)
Unit 1	88	258	346	29	8%	53	15%	264	76%
Unit 1 & Unit 2	174	250	424	61	14%	64	15%	299	71%