Attachment A to Chapter 5: Heat Diagram for Steam Power Plant

(Source: Ishigai 1999)

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Attachment B to Chapter 5: Exhaust Pressure Correction Factors

FOR A NUCLEAR POWER PLANT (Attachment B-1)
(Source: Entergy 2001)

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FOR A FOSSIL FUEL PLANT (Attachment B-2)
(Source: General Electric. Steam Turbine Technology)

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FOR A COMBINED CYCLE PLANT (Attachment B-3)
(Source: Litton)

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Attachment C to Chapter 5: Design Approach Data for Recent Cooling Tower Projects

(Source: Mirsky 2001)

Table AA-1. Cooling Tower Design Temperature, Range and Approach

STATE	YEAR	FLOW (GPM)	TEMPERATURE (DEG F) HOT WATER	COLD WATER	WET BULB	RANGE (DEG F)	APPROACH (DEG F)	# OF CELLS
AL	2000	208000	85	72	62	13	10	10
OR	2000	152000	98	77.8	68.35	20.2	9.45	11
CA	2000	99746	94.3	72.5	55.5	21.8	17	8
NJ	2000	146000	90.3	75	52	15.3	23	10
AL	2000	278480	105	89	81	16	8	14
AL	2000	147361	112.5	96.7	84.7	15.8	12	7
IL	2000	189041	96.87	85.46	76	11.41	9.46	10
TX	2000	192300	104.3	87	79	17.3	8	12
TX	2000	106400	89.2	78.5	64.2	10.7	14.3	5
MO	1999	60000	85.3	67	52.4	18.3	14.6	4
FL	1999	21500	120	93	80	27	13	1
TX	1999	277190	105	89	81	16	8	14
CA	1999	101000	111.05	89	75	22.05	14	6
AL	1999	50000	107	86	80	21	6	4
MO	1999	25000	98	83	78	15	5	2
MS	1998	230846	106.2	91.2	84.7	15	6.5	12
SC	1998	150000	110	90	80	20	10	11
TX	1998	90000	110	90	83	20	7	5
TX	1998	278480	105	89	81	16	8	14
AL	1998	125000	105.7	85.7	80	20	5.7	10
LA	1998	45000	110	90	82	20	8	3
TX	1998	90400	117.1	94.1	82.68	23	11.42	5
SC	1998	8500	114	95	81	19	14	2
SC	1998	14000	116	95	81	21	14	2
AR	1998	13200	116	95	81	21	14	2
NJ	1998	4400	100	71	66	29	5	4
TX	1998	18000	105	85	72	20	13	2
CA	1998	7000	105	80	71	25	9	1
TX	1998	15000	115	90	81	25	9	2
SC	1998	15000	123	95	81	28	14	1
LA	1998	1000	124	90	80	34	10	1
OH	1998	6400	135	90	77	45	13	2
LA	1997	20000	104	86	81	18	5	2
MO	1997	60000	85.3	67.5	52.4	17.8	15.1	4
PA	1997	30000	105	85	78	20	7	6
AL	1997	16000	114	90	79	24	11	2
OK	1997	8350	112	89	79	23	10	2
WA	1997	14000	120	74	58	46	16	2
MT	1997	12000	96	74	64	22	10	2
GA	1997	3000	97.6	87.6	80	10	7.6	1
OH	1997	6000	118	86	77	32	9	2
MN	1997	7500	106	87	74	19	13	1
LA	1997	12000	110	85	80	25	5	3
NY	1997	4800	103.5	85	78	18.5	7	1
SC	1997	50000	93	81	72	12	9	3
	Maximum	278480	135	96.7	84.7	46	23	14
	Minimum	1000	85	67	52	10	5	1
	Average	75775.42222	106.3	85.2	74.8	21.1	10.4	5
	Median	30000	105.7	87	79	20	10	3
	Mode	278480	105	90	81	20	10	2

Attachment D to Chapter 5: Tower Size Factor Plot

(Source: Hensley 1985)

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Attachment E to Chapter 5: Cooling Tower Wet Bulb versus Cold Water Temperature Typical Performance Curve

(Source: Hensley 1985)

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