

**TABLE 2.2-8
MONTHLY SUMMARIES OF METEOROLOGICAL DATA BY YEAR AT THE SOUTH HEART LIGNITE MINE STATION**

Year	Month	Air Temperature			Barometric Pressure			Relative Humidity			Sigma			Wind Speed			Solar Radiation	Rain
		Deg F			in Hg			%			compass deg			mph			W/m2	in
		Ave	Min	Max	Ave	Min	Max	Ave	Min	Max	Ave	Min	Max	Ave	Min	Max	Ave Daily Sum	Monthly Sum
2006	October	35.61	10.5	63.4	27.18	26.79	29.16	60.93	0.2	85.3	7.86	3	39	12.14	1	22.4	ND	ND
	November	31.63	-7	74	27.14	26.63	27.6	61.72	18.1	89.7	7.45	2.5	38.8	10.90	0	26.2	ND	ND
	December	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2007	January	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	February	6.36	-16.8	29.1	27.28	26.81	27.57	67.64	40.7	84.2	9.45	3	40.7	9.55	1.4	23.4	ND	ND
	March	40.40	18.2	76.6	27.18	26.76	27.64	63.63	16.2	93.5	8.65	3	53.5	11.36	1	30.1	2086.00	ND
	April	41.26	7.8	80.3	27.21	26.75	27.76	60.67	16	89.8	9.03	2.4	54.4	11.21	1.6	36.2	5166.27	0.44
	May	54.98	37.2	86.5	27.16	26.77	27.51	68.81	22.2	93.7	10.37	1.7	66.6	12.91	1.4	36.9	5069.06	3.84
	June	65.07	39.3	90.4	27.14	26.43	27.53	67.56	28.2	92.7	11.54	2.7	70.3	10.69	1.2	33.2	6292.10	1.28
	July	75.69	47.7	107.5	27.22	26.97	27.48	56.22	9.6	92.8	11.85	2.2	59.7	9.67	1.2	23.2	6453.45	1.48
	August	68.50	43.1	96.7	27.20	26.93	27.52	55.86	9.8	92.5	12.01	2.8	56.8	10.13	1.9	26.1	5035.26	0.81
	September	58.82	28.5	100.4	27.17	26.72	27.55	55.17	11.7	91.6	11.48	2.5	61.1	10.04	1.8	28.1	4139.67	1.55
	October	46.33	20.4	79.2	27.19	26.72	27.7	60.75	13.3	91.7	9.32	2.2	55.1	10.08	1.2	24.2	2307.23	0.35
	November	31.69	-3.7	65.1	27.21	26.69	27.6	55.75	13.9	88	8.52	2.7	71.5	11.84	1.4	28.4	1593.47	0.14
	December	19.65	-6.5	53.1	27.13	26.76	27.57	67.05	31.3	85.9	7.77	2.8	52.6	9.63	1.5	22.6	1187.10	0.18
2008	January	16.36	-23.5	54.4	27.09	26.38	27.76	62.10	23.4	87.8	8.48	2.7	50.4	10.28	1.3	25.8	1523.19	0.11
	February	18.56	-11	51.1	27.11	26.64	27.63	69.50	31.3	87.5	9.36	2.4	56.2	9.62	1	22.6	2056.86	0.25
	March	31.22	-5.5	64.2	27.17	26.73	27.69	58.48	6.5	89.2	9.55	2.4	61	11.36	2.8	32.9	3422.71	0.17
	April	41.30	15.1	79.5	27.14	26.53	27.53	50.80	9.6	90	10.22	2.4	67	12.17	2.7	30.9	4890.07	0.32
	May	53.24	29.5	82.7	27.12	26.77	27.57	55.60	14.5	90.9	9.99	2.8	58.3	13.27	2.5	29.6	5026.94	1.66
	June	61.31	39.7	92.7	27.14	26.7	27.5	60.18	16	90.9	11.43	2.8	57.6	11.53	1.3	29.1	5722.23	1.26
	July	72.69	47.8	97.6	27.16	26.78	27.4	47.82	6.4	90.9	13.20	2.6	64	10.85	2	33	6482.84	0.96
	August	70.94	40.4	100.2	27.15	26.76	27.49	51.15	10.1	90.7	12.06	3	60.1	11.19	1.8	33.4	5503.97	1.57
	September	57.47	37.2	89.5	27.27	26.92	27.56	57.44	7.5	90.3	10.11	1.8	60.9	10.13	1.9	25.1	3813.33	0.77
	October	45.02	15.9	76.4	27.30	26.88	27.75	57.33	11.9	89.7	9.06	2.3	62.3	11.74	1	32.3	2761.06	1.43
	November	32.08	9.5	71.1	27.19	26.64	27.92	71.51	25.8	89.9	7.53	2.6	48.2	11.62	2.1	30.6	1355.43	0.56
	December	10.14	-24	44.6	27.12	26.58	27.63	68.41	47.1	87.3	7.53	2.7	65.9	12.63	2.4	28.6	1165.87	0.21
2009	January	14.78	-21.3	40.7	27.20	26.64	27.76	68.35	47.9	88	6.31	1.9	49.7	13.90	2.2	32.9	1678.06	0.19
	February	16.77	-9.1	42.9	27.21	26.47	27.76	71.62	47.4	88.9	7.16	2.3	60.4	10.64	1	24.4	2488.82	0.39
	March	25.06	-17.2	61.9	27.15	26.71	27.75	70.83	32.6	86.8	7.48	1.4	54.8	12.48	2	30.8	4001.13	0.75
	April	39.69	12.2	79	27.19	26.77	27.68	65.12	9.3	89.2	8.76	2.3	63.6	11.12	1	27.7	4788.50	0.22
	May	65.17	47.6	79.4	27.15	26.95	27.28	45.54	21.9	78.9	11.29	3.7	46.1	10.69	2.3	20.8	5385.00	ND
	June	59.56	32.6	84.8	27.16	26.85	27.59	64.84	23.7	91	11.91	2.3	58.7	9.44	2	24	5514.87	2.56
	July	64.93	45.5	92.3	27.26	26.91	27.48	64.93	17.8	90.5	11.45	2.9	55.4	8.70	2	23	5630.74	2.08
	August	65.20	45.2	95.7	27.22	26.86	27.51	62.67	12	91.1	12.08	2.4	66.6	9.62	1.8	30	4925.65	1
	September	63.59	36.6	92.1	27.24	26.75	27.51	56.31	9.7	90.8	11.52	2.3	60.2	10.63	1	33	4096.87	1.55
	October	36.66	19.8	71.4	27.17	26.6	27.54	73.25	27.7	89.5	8.64	2.5	74	10.47	1	26	1467.81	ND
	November	37.57	16.1	73.2	27.17	26.69	27.58	54.58	14.6	87.8	7.57	2.3	58.7	10.04	2.1	23.2	1834.50	0.21
	December	9.40	-24.7	43.8	27.23	26.79	27.53	71.01	39.2	84.7	6.87	2.4	48.7	11.27	1.6	28.8	1171.74	1.32

ND = No data recorded for this parameter during this month