

## POWER GENERATION SIMULATION

Year: 1962  
 Dam Ass B  
 P.S.L. = 119.00 m  
 Reservoir Capacity 143.0 MW  
 Max. Plant Discharge 90.00 cms

Date	Discharge Dam (cms)	Discharge P.H. (cms)	RMP or Tail Springs level m (cms)	Plant Q level m (cms)	Loss	Raw level (cms)	Effect Head h (cms)	Effect Unit acy	Effect MW	Month y Ave MW
Jan. 1	115.7	107.8	21.7	111.81	80.0	38.31	179.38	2	0.998	143.00
2	91.9	109.1	7.3	111.83	84.7	34.99	182.54	2	0.905	137.08
3	89.1	138.0	7.3	111.84	81.9	23.58	194.35	2	0.807	134.18
4	78.7	116.9	7.3	111.29	71.5	17.80	219.00	2	0.912	121.30
5	68.4	101.2	7.3	111.29	92.2	12.21	219.00	2	0.803	102.31
6	63.7	91.5	7.3	111.12	21.5	9.87	219.00	2	0.890	92.34
7	94.0	21.9	7.3	111.07	48.8	5.28	219.00	2	0.876	81.86
8	64.5	91.5	7.3	111.12	57.3	11.43	219.00	2	0.860	90.09
9	64.5	84.3	7.3	111.09	57.3	11.43	219.00	2	0.898	90.11
10	61.7	91.5	7.3	111.13	54.5	10.34	219.00	2	0.862	94.14
11	77.7	84.3	7.3	111.14	70.5	17.31	219.00	2	0.911	119.99
12	67.3	108.6	7.3	111.24	60.1	12.38	219.00	2	0.903	101.80
13	94.9	94.3	7.3	111.18	49.7	9.60	219.00	2	0.879	83.37
14	71.1	101.2	7.3	111.19	63.9	14.23	219.00	2	0.908	110.04
15	134.7	147.7	44.7	111.44	90.0	28.21	119.17	2	0.996	142.00
16	122.3	167.8	32.3	111.81	90.0	28.21	119.17	2	0.988	140.00
17	81.5	122.5	7.3	111.37	74.5	18.23	219.00	2	0.911	125.06
18	64.5	94.3	7.3	111.16	57.3	11.43	219.00	2	0.858	90.07
19	54.9	83.9	7.3	111.07	49.7	8.60	219.00	2	0.879	81.37
20	32.2	77.3	7.3	111.03	45.0	7.05	219.00	2	0.843	74.44
21	47.5	73.9	7.3	111.00	40.3	5.44	219.00	2	0.843	67.34
22	43.8	64.5	7.3	110.97	36.6	4.67	219.00	2	0.808	64.26
23	41.9	61.9	7.3	110.95	34.7	4.19	219.00	2	0.811	63.17
24	43.8	61.9	7.3	110.97	36.6	4.67	219.00	2	0.808	64.27
25	43.8	64.5	7.3	110.97	36.6	4.67	219.00	2	0.808	64.26
26	109.2	114.3	15.3	111.27	90.0	28.21	119.17	2	0.996	142.00
27	90.5	105.7	7.3	111.21	50.8	23.98	219.00	2	0.906	135.25
28	62.5	77.3	7.3	111.05	51.5	10.65	219.00	2	0.894	94.42
29	51.3	64.5	7.3	110.94	44.1	6.77	219.00	2	0.839	74.78
30	55.2	70.7	7.3	110.99	46.0	7.57	219.00	2	0.847	78.40
31	64.7	83.9	7.3	111.07	57.3	11.43	219.00	2	0.898	92.12
Feb.										
1	48.9	78.5	7.3	111.04	41.3	5.84	219.00	2	0.847	69.37
2	30.4	78.5	7.3	111.04	43.2	6.30	219.00	2	0.854	72.07
3	32.2	78.5	7.3	111.04	43.0	7.05	219.00	2	0.843	74.43
4	135.6	150.4	45.6	111.50	90.0	28.21	119.17	2	0.998	142.00
5	202.6	254.1	112.6	112.07	90.0	28.21	119.17	2	0.998	141.90
6	109.0	179.4	19.0	111.87	90.0	28.21	119.17	2	0.998	141.95
7	85.3	125.2	7.3	111.34	78.1	21.34	219.00	2	0.910	129.82
8	64.3	105.7	7.3	111.21	61.1	15.60	219.00	2	0.904	105.49
9	64.4	94.3	7.3	111.16	59.2	12.31	219.00	2	0.902	102.33
10	30.4	81.7	7.3	111.06	43.2	6.30	219.00	2	0.854	72.07
11	42.8	64.5	7.3	110.97	36.6	4.67	219.00	2	0.810	64.64
12	55.1	111.4	7.3	111.24	47.9	7.99	219.00	2	0.875	81.80
13	81.5	128.0	7.3	111.34	74.5	18.23	219.00	2	0.911	125.04
14	81.5	116.9	7.3	111.29	74.5	18.23	219.00	2	0.911	125.04
15	62.5	101.2	7.3	111.19	54.1	11.04	219.00	2	0.896	97.30
16	51.3	81.7	7.3	111.06	44.1	6.77	219.00	2	0.839	74.71
17	74.9	108.6	7.3	111.24	67.7	15.96	219.00	2	0.911	113.84
18	63.5	108.6	7.3	111.22	56.3	11.04	219.00	2	0.896	97.28
19	57.8	84.3	7.3	111.09	50.4	8.92	219.00	2	0.842	87.04
20	44.7	77.3	7.3	111.03	45.0	7.05	219.00	2	0.843	67.43
21	41.0	64.1	7.3	110.94	35.8	3.94	219.00	2	0.812	61.82
22	41.0	61.9	7.3	110.93	35.8	3.94	219.00	2	0.812	61.83
23	42.8	64.1	7.3	110.94	36.4	4.41	219.00	2	0.810	64.64
24	54.0	108.6	7.3	111.24	48.1	8.29	219.00	2	0.876	83.85
25	73.0	137.5	7.3	111.40	65.8	15.08	219.00	2	0.907	112.81
26	47.9	81.5	7.3	111.12	46.7	5.44	219.00	2	0.842	67.28
27	58.1	73.9	7.3	111.00	31.9	3.54	219.00	2	0.811	53.21
28	54.7	61.9	7.3	110.97	37.5	2.43	219.00	2	0.859	49.76
Mar.										
1	44.7	61.9	7.3	110.93	37.5	2.43	219.00	2	0.859	49.76
2	74.7	138.0	7.3	111.34	49.5	14.82	219.00	2	0.911	118.41
3	87.3	170.8	7.3	111.83	80.0	22.20	219.00	2	0.909	131.84
4	71.0	134.3	7.3	111.41	64.8	14.82	219.00	2	0.908	111.32
5	60.7	106.2	7.3	111.22	53.5	9.97	219.00	2	0.890	92.29
6	83.4	111.4	7.3	111.24	74.2	20.22	219.00	2	0.911	127.55
7	64.4	72.9	7.3	111.00	59.2	12.21	219.00	2	0.902	102.42
8	60.7	84.3	7.3	111.09	53.5	9.97	219.00	2	0.890	92.36
9	43.7	81.7	7.3	111.04	38.5	5.16	219.00	2	0.803	69.11
10	41.0	64.3	7.3	110.94	35.8	3.94	219.00	2	0.812	61.82
11	48.6	75.1	7.3	111.01	39.4	5.41	219.00	2	0.800	70.30
12	34.9	79.5	7.3	111.04	49.7	8.60	219.00	2	0.879	83.39
13	55.1	72.9	7.3	111.00	47.9	7.99	219.00	2	0.874	82.02
14	42.8	61.9	7.3	110.97	35.6	4.41	219.00	2	0.810	64.67
15	41.9	60.0	7.3	110.91	34.7	4.19	219.00	2	0.811	63.18
16	73.0	70.7	7.3	110.99	45.8	15.08	219.00	2	0.908	113.14
17	177.7	401.8	87.7	112.44	90.0	28.21	119.17	2	0.999	141.48
18	145.1	380.7	53.1	112.34	90.0	28.21	119.17	2	0.999	141.48
19	132.8	302.4	42.8	112.30	90.0	28.21	119.17	2	0.998	141.42
20	242.4	419.9	152.4	112.72	90.0	28.21	119.17	2	0.999	141.51
21	202.2	372.8	110.2	112.54	90.0	28.21	119.17	2	0.999	141.51
22	190.0	247.6	60.0	112.04	90.0	28.21	119.17	2	0.998	141.82
23	104.3	179.6	14.3	111.87	90.0	28.21	119.17	2	0.998	141.93
24	83.4	132.4	7.3	111.52	74.2	20.22	219.00	2	0.911	127.37
25	84.3	137.5	7.3	111.40	77.1	20.70	219.00	2	0.910	128.97
26	74.9	122.5	7.3	111.33	67.7	15.96	219.00	2	0.910	118.81
27	55.1	105.7	7.3	111.21	47.9	7.99	219.00	2	0.873	81.92
28	54.1	84.3	7.3	111.11	44.9	7.44	219.00	2	0.870	80.06
29	51.3	78.5	7.3	111.04	44.1	6.77	219.00	2	0.839	74.72
30	44.5	64.5	7.3	110.97	41.3	5.84	219.00	2	0.847	69.30
31	61.7	79.5	7.3	111.04	54.5	10.34	219.00	2	0.892	84.19

Date	Discharge Dam (cms)	Discharge P.H. (cms)	RMP or Tail Springs level m (cms)	Plant Q level m (cms)	Loss	Raw level (cms)	Effect Head h (cms)	Effect Unit acy	Effect MW	Month y Ave MW
Apr. 1	48.9	78.5	7.3	111.04	41.3	5.84	219.00	2	0.847	69.37
2	41.0	72.9	7.3	111.00	37.80	3.98	219.00	2	0.804	61.61
3	41.0	64.3	7.3	110.94	33.80	3.98	219.00	2	0.804	61.62
4	38.1	38.3	7.3	110.76	30.00	3.31	219.00	2	0.800	54.42
5	34.4	52.4	7.3	110.84	29.20	2.97	219.00	2	0.805	53.14
6	34.7	48.4	7.3	110.83	27.30	2.63	219.00	2	0.800	49.78
7	34.7	30.5	7.3	110.83	27.30	2.63	219.00	2	0.800	49.78
8	41.7	58.1	7.3	110.90	34.30	10.34	219.00	2	0.893	84.27
9	71.1	81.7	7.3	111.04	61.90	14.23	219.00	2	0.908	130.12
10	30.8	98.7	7.3	111.17	31.40	9.64	219.00	2	0.898	90.66
11	41.7	79.5	7.3	111.04	34.30	5.14	219.00	2	0.803	69.11
12	58.1	64.1	7.3	110.94	30.00	3.31	219.00	2	0.800	54.37
13	34.4	38.1	7.3	110.80	29.20	2.97	219.00	2	0.805	53.15
14	29.4	52.4	7.3	110.84	25.20	1.72	219.00	2	0.804	38.87
15	39.4	48.4	7.3	110.83	23.30	1.72	219.00	2	0.804	38.87
16	33.7	58.1	7.3	110.90	28.30	2.45	219.00	2	0.804	47.75
17	41.0	64.3	7.3	110.94	31.80	3.98	219.00	2	0.807	61.62
18	38.1	41.9	7.3	110.93	30.90	3.31	219.00	2	0.803	54.37
19	38.1	38.1	7.3	110.90	27.30	2.30	219.00	2	0.800	44.12
20	29.4	54.3	7.3	110.87	23.20	1.72	219.00	2	0.804	38.87
21	21.4	30.5	7.3	110.83	18.20	1.13	219.00	2	0.800	30.31

## POWER GENERATION SIMULATION

Year: 1962      Dam Axis B      Road Head      179.50 m      Installed Capacity      1432 MW  
 P.S.L. = 119.00 m      Max. Plant Discharge      90.00 cum

Discharge											Month	
Date	Discharge Dam (cum)	Discharge P.H. (cum)	RMP or Toll Spillage (cum)	Plant Q level m	Level (cum)	Raw level	Effect Head m	Use sec	Efficiency MW	Output MW	Month Y.Ave. MW	
Jul	1	30.3	44.8	7.2	110.81	23.1	1.84	119.00	205.33	1	0.873	43.76
2	39.4	44.8	7.2	110.81	22.2	1.73	119.00	204.43	1	0.866	34.88	
3	27.8	42.9	7.2	110.79	20.4	1.48	119.00	204.73	1	0.851	33.53	
4	27.8	42.9	7.2	110.79	20.4	1.48	119.00	204.73	1	0.851	33.53	
5	28.6	42.9	7.2	110.79	21.4	1.39	119.00	204.61	1	0.859	37.21	
6	27.8	42.9	7.2	110.79	20.4	1.48	119.00	204.73	1	0.851	33.53	
7	23.4	42.9	7.2	110.79	13.3	1.13	119.00	207.05	1	0.826	30.32	
8	23.4	41.4	7.2	110.78	13.2	1.15	119.00	207.06	1	0.826	30.32	
9	45.7	44.7	7.2	110.83	34.5	5.16	119.00	203.02	1	0.903	69.18	
10	107.1	187.6	57.1	111.41	90.0	24.31	118.23	179.40	2	0.988	142.00	
11	102.4	234.6	72.6	111.97	90.0	24.31	118.27	179.08	2	0.988	141.86	
12	100.4	167.6	10.4	111.61	90.0	24.31	118.02	179.20	2	0.988	141.86	
13	71.1	123.5	7.2	111.37	43.9	14.22	119.00	195.43	2	0.906	108.54	
14	40.7	84.3	7.2	111.09	33.3	9.97	119.00	197.84	2	0.890	92.36	
15	49.4	72.9	7.2	111.00	42.2	4.30	119.00	201.80	2	0.851	71.05	
16	39.5	72.1	7.2	111.01	32.6	9.44	119.00	198.33	2	0.888	90.76	
17	176.8	199.1	84.6	111.53	90.0	24.31	119.31	179.34	2	0.988	142.00	
18	176.7	247.6	84.7	112.04	90.0	24.31	119.81	179.06	2	0.988	141.86	
19	112.8	156.3	23.8	111.54	90.0	24.31	119.08	179.34	2	0.988	142.00	
20	90.9	125.2	7.2	111.34	63.7	24.40	119.00	183.26	2	0.905	136.11	
21	81.5	104.2	7.2	111.22	74.3	19.23	119.00	186.53	2	0.911	123.13	
22	64.4	94.7	7.2	111.17	59.2	12.31	119.00	191.43	2	0.902	102.32	
23	63.5	83.9	7.2	111.07	53.3	10.40	119.00	197.24	2	0.894	95.40	
24	59.8	78.5	7.2	111.04	52.6	9.44	119.00	194.32	2	0.888	90.76	
25	53.1	63.9	7.2	111.07	47.9	7.99	119.00	199.94	2	0.875	81.98	
26	78.7	136.3	7.2	111.41	71.5	17.80	119.00	189.78	2	0.912	121.22	
27	78.6	111.4	7.2	111.24	74.4	16.24	119.00	189.49	2	0.912	121.27	
28	108.1	133.5	18.1	111.40	90.0	24.31	119.06	179.45	2	0.988	142.00	
29	95.7	119.7	7.2	111.21	84.1	27.28	119.00	180.41	2	0.900	140.81	
30	91.6	120.2	7.2	111.24	84.7	24.99	119.00	182.67	2	0.904	137.14	
31	85.3	114.2	7.2	111.27	78.1	21.24	119.00	186.43	2	0.910	129.57	
Aug	1	79.6	104.3	7.2	111.22	72.4	18.24	119.00	180.52	2	0.912	122.99
2	74.9	101.2	7.2	111.19	67.7	15.94	119.00	191.53	2	0.911	115.99	
3	68.3	94.3	7.2	111.16	61.1	13.00	119.00	194.84	2	0.904	105.32	
4	62.9	85.7	7.2	111.04	53.3	10.45	119.00	197.29	2	0.894	95.41	
5	54.1	75.1	7.2	111.01	44.8	7.46	119.00	203.32	2	0.870	80.11	
6	51.1	64.3	7.2	110.96	44.1	6.77	119.00	201.27	2	0.869	74.76	
7	47.5	41.9	7.2	110.99	40.3	5.44	119.00	202.42	2	0.843	67.37	
8	45.7	40.0	7.2	110.91	34.5	5.16	119.00	203.93	2	0.803	46.15	
9	41.6	54.2	7.2	110.98	34.6	4.67	119.00	203.43	2	0.808	46.29	
10	42.8	58.1	7.2	110.90	31.4	4.41	119.00	203.06	2	0.810	44.66	
11	43.8	54.3	7.2	110.87	34.4	4.67	119.00	203.44	2	0.808	44.29	
12	36.1	50.1	7.2	110.83	29.9	3.34	119.00	204.41	2	0.811	38.23	
13	34.4	48.6	7.2	110.83	28.2	2.97	119.00	205.20	2	0.805	35.14	
14	34.7	48.6	7.2	110.83	27.5	2.63	119.00	205.31	2	0.809	45.78	
15	33.7	30.5	7.2	110.83	24.3	2.43	119.00	205.71	2	0.864	47.77	
16	32.9	48.6	7.2	110.83	23.7	2.30	119.00	205.87	2	0.860	46.14	
17	32.8	46.7	7.2	110.82	23.7	2.20	119.00	205.88	2	0.860	44.14	
18	32.0	46.7	7.2	110.82	24.8	2.14	119.00	205.04	2	0.864	44.20	
19	31.3	44.8	7.2	110.81	24.0	2.01	119.00	204.19	2	0.870	42.61	
20	28.4	44.8	7.2	110.81	22.2	1.73	119.00	204.43	2	0.846	34.88	
21	28.4	42.9	7.2	110.79	22.2	1.73	119.00	204.43	2	0.846	34.88	
22	37.2	48.6	7.2	110.83	30.0	3.13	119.00	203.03	2	0.907	54.49	
23	45.7	51.9	7.2	110.89	34.5	5.16	119.00	202.91	2	0.903	69.15	
24	37.2	60.0	7.2	110.91	30.0	3.13	119.00	204.95	2	0.907	54.67	
25	32.0	30.5	7.2	110.83	24.8	2.14	119.00	205.04	2	0.864	44.20	
26	28.6	42.9	7.2	110.79	21.4	1.39	119.00	204.61	2	0.859	37.21	
27	27.8	42.9	7.2	110.79	20.4	1.48	119.00	204.73	2	0.851	33.53	
28	27.0	41.4	7.2	110.78	18.9	1.37	119.00	204.81	2	0.844	33.86	
29	24.1	39.7	7.2	110.77	18.9	1.34	119.00	204.94	2	0.834	31.96	
30	28.4	42.9	7.2	110.79	22.2	1.73	119.00	204.43	2	0.846	34.88	
31	32.0	30.5	7.2	110.83	24.8	2.14	119.00	205.04	2	0.864	44.20	
Sep	1	29.4	44.4	7.2	110.83	22.2	1.72	119.00	204.43	2	0.846	34.87
2	27.8	42.9	7.2	110.79	20.4	1.48	119.00	204.73	2	0.851	33.53	
3	25.4	41.4	7.2	110.78	18.2	1.15	119.00	207.06	2	0.826	30.32	
4	21.4	38.2	11.4	110.74	0.0	0.70	119.00	207.54	0	0.000	0.00	
5	19.8	35.1	19.8	110.74	0.0	0.35	119.00	207.71	0	0.000	0.00	
6	18.1	35.1	18.1	110.74	0.0	0.41	119.00	207.85	0	0.000	0.00	
7	18.1	35.1	18.1	110.74	0.0	0.41	119.00	207.85	0	0.000	0.00	
8	17.4	35.1	17.4	110.74	0.0	0.36	119.00	207.80	0	0.000	0.00	
9	41.9	72.4	7.2	110.84	34.7	4.16	119.00	203.93	2	0.911	43.19	
10	63.5	94.7	7.2	111.17	54.3	11.04	119.00	196.79	2	0.936	97.31	
11	84.2	108.6	7.2	111.24	79.0	21.74	119.00	184.03	2	0.900	130.97	
12	72.0	94.7	7.2	111.17	64.8	14.42	119.00	193.20	2	0.909	111.47	
13	61.7	78.1	7.2	111.04	54.3	10.34	119.00	197.41	2	0.902	94.19	
14	55.1	72.9	7.2	111.00	47.9	7.99	119.00	200.01	2	0.874	82.02	
15	53.2	68.9	7.2	111.11	44.0	7.37	119.00	200.32	2	0.867	78.34	
16	53.2	72.9	7.2	111.01	44.0	7.37	119.00	200.32	2	0.867	78.39	
17	49.4	72.9	7.2	111.00	41.2	6.50	119.00	201.80	2	0.851	71.05	
18	30.4	64.3	7.2	111.09	41.2	6.30	119.00	201.41	2	0.846	72.95	
19	282.4	243.2	202.4	112.21	90.0	24.31	119.40	179.18	2	0.988	141.85	
20	917.0	1382.1	877.9	114.27	90.0	24.31	120.64	178.16	2	0.999	141.30	
21	734.2	1048.7	634.2	113.21	90.0	24.31	120.36	178.34	2	0.989	141.41	
22	502.7	773.8	412.7	113.43	90.0	24.31	120.00	179.37	2	0.989	141.43	
23	318.3	581.4	228.3	113.10	90.0	24.31	119.43	178.34	2	0.989	141.41	
24	318.9	405.4	189.9	112.67	90.0	24.31	119.42	178.34	2	0.989	141.54	
25	191.4	303.4	101.4	112.30	90.0	24.31	119.33	178.64	2	0.989	141.73	
26	148.0	234.4	101.97	111.97	90.0	24.31	119.22	179.04	2	0.986	141.84	
27	109.9	179.4	18.9	111.67	90.0	24.31	119.07	179.19	2	0.986	141.93	
28	95.5	164.9	9.3	111.59	90.0	24.31	119.02	179.32	2	0.986	141.97	
29	90.0	139.1	7.2	111.43	82.8	23.88	119.00	183.46	2	0.906	135.10	
30	84.2	133.3	7.2	111.40	79.0	21.74	119.00	183.47	2	0.906	130.84	

Date	Discharge Dam (cms)	Discharge P.H. (cms)	RMP or Toll Spillage level m (cms)	Plant Q level m (cms)	Level (cms)	Eff. Head m	Unit sec	Eff. Head m	Output MW	Month Y.Ave. MW			
Oct.	1	107.2	130.1	17.3	111.43	90.00	24.31	119.06	179.42	2	0.988	142.00	
	2	131.8	167.0	41.8	111.57	90.00	24.31	119.14	179.34	2	0.988	142.00	
	3	138.4	200.7	48.4	111.84	90.00	24.31	119.19	179.13	2	0.986	141.82	
	4	123.3	206.6	33.3	111.83	90.00	24.31	119.13	179.09	2	0.986	141.89	
	5	144.4	270.3	74.6	112.15	90.00	24.31	119.27	178.91	2	0.988	141.78	
	6	141.4	228.1	71.6	111.94	90.00	24.31	119.24	179.11	2	0.988	141.91	
	7	109.0	179.8	19.0	111.43	90.00	24.31	119.07	179.23	2	0.986	141.96	
	8	92.9	142.0	7.2	111.45	83.70	24.56	119.00	181.97	2	0.903	136.07	
	9	83.4	125.3	7.2	111.34	74.20	30.32	119.00	187.43	2	0.911	127.49	
	10	74.0	119.7	7.2	111.31	64.80	33.54	119.00	192.13	2	0.910	114.47	
	11	103.3	133.5	13.3	111.60	90.00	24.31	119.24	179.43	2	0.986	142.00	
	12	109.9	162.0	19.9	111.57	90.00	24.31	119.07	179.29	2	0.986	142.00	
	13	92.9	142.0	7.2	111.57	83.70	24.56	119.00	181.95	2	0.904	137.99	
	14	76.7	136.3	7.2	111.41	69.30	35.82	119.00	195.13	2	0.911	113.39	
	15	74.0	118.5	7.2	111.45	64.80	33.54	119.00	192.13	2	0.910	114.47	
	16	74.0	104.3	7.2	111.23	64.80	33.54	119.00	192.13	2	0.910	114.47	
	17	76.7	106.2	7.2	111.22	71.30	30.60	119.00	189.97	2	0.912	123.33	
	18	84.3	159.1	7.3	111.55	77.10	26.75	119.00	186.74	2	0.910	128.47	
	19	106.3	334.9	14.3	112.50	90.00	24.31	119.04	176.23	2	0.986	141.41	
	20	123.3	398.2	33.3	112.65	90.00	24.31	119.13	176.27	2	0.986	141.37	
	21	150.9	707.4	60.9	112.30	90.00	24.31	119.23	176.72	2	0.989	141.66	
	22	120.4	218.6	30.4	111.89	90.00	24.31	119.12	176.22	2	0.986	141.84	
	23	111.8	191.5	21.8	111.74	90.00	24.31	119.08	176.13	2	0.986	141.91	
	24	90.0	133.4	7.2	111.52	82.80	24.38	119.00	182.80	2	0.904	137.03	
	25	74.7	128.0	7.2	111.34	68.30	33.62	119.00	190.82	2	0.911	118.43	
	26	72.0	116.9	7.2	111.29	64.80	34.42	119.00	193.08	2	0.908	111.60	
	27	67.3	116.9	7.2	111.29	60.16	35.28	119.00	195.13	2	0.903	105.77	
	28	101.4	122.2	11.4	111.34	90.00	24.31	119.03	179.47	2	0.986	142.00	
	29	112.6	155.4	22.6	111.54	90.00	24.31	119.04	179.24	2	0.986	142.00	
	30	91.8	147.7	7.2	111.48	84.40	32.60	119.00	181.40	2	0.901	138.03	
	31	109.9	179.6	19.9	111.67	90.00	24.31	119.07	179.19	2	0.986	141.97	133.37
Nov.	1	113.8	188.5	23.8	111.73	90.00	24.31	119.09	178.13	2	0.986	141.93	
	2	121.3	177.3	31.3	111.64	90.00	24.31	119.12	178.27	2	0.986	142.00	
	3	102.3	162.0	12.3	111.57	90.00	24.31	119.03	178.23	2	0.986	141.99	
	4	83.3	142.0	7.2	111.45	78.10	31.34	119.00	186.31	2	0.910	129.76	
	5	116.7	182.6	24.7	111.69	90.00	24.31	119.10	178.30	2	0.986	141.96	
	6	214.2	280.0	124.2	112.19	90.00	24.31	119.41	176.61	2	0.986	141.84	
	7	106.3	241.1	78.5	112.01	90.00	24.31	119.28	176.07	2	0.986	141.84	
	8	109.7	221.6	69.9	111.91	90.00	24.31	119.26	176.14	2	0.986	141.94	
	9	148.0	302.4	58.0	111.81	90.00	24.31	119.32	176.00	2	0.986	141.94	
	10	111.8	176.7	21.8	111.64	90.00	24.31	119.06	178.21	2	0.986	141.97	
	11	61.5	130.6	7.2	111.50	74.30	33.23	119.00	188.27	2	0.911	124.95	
	12	74.7	130.7	7.2	111.38	68.30	34.62	119.00	190.80	2	0.911	118.43	
	13	71.1	116.9	7.2	111.29	61.30	34.22	119.00	195.49	2	0.908	109.96	
	14	62.3	106.2	7.2	111.22	53.30	36.93	119.00	197.13	2	0.904	95.32	
	15	57.8	96.3	7.2	111.16	50.30	38.07	119.00	198.93	2	0.902	87.61	
	16	54.0	84.3	7.2	111.09	48.30	38.26	119.00	199.62	2	0.876	83.67	
	17	55.1	83.9	7.2	111.07	47.80	39.99	119.00	199.34	2	0.877	81.98	
	18	55.1	83.9	7.2	111.07	47.80	39.99	119.00	199.84	2	0.877	81.98	
	19	55.1	83.9	7.2	111.07	47.80	39.99	119.00	199.94	2	0.877	81.98	
	20	81.5	93.8	7.2	111.14	74.30	33.23	119.00	188.63	2	0.911	125.11	
	21	77.7	153.4	7.2	111.32	70.30	33.71	119.00	190.07	2	0.911	119.75	
	22	48.9	108.7	7.2	111.22	41.30	39.06	119.00	194.76	2	0.876	100.47	
	23	55.1	93.3	7.2	111.12	47.80	39.99	119.00	199.89	2	0.877	81.98	
	24	45.7	77.3	7.2	111.03	35.30	51.16	119.00	202.81	2	0.902	68.12	
	25	39.1	70.7	7.2	110.99	31.30	54.54	119.00	204.47	2	0.911	58.21	
	26	33.7	64.1	7.2	110.94	24.30	57.34	119.00	205.61	2	0.904	47.34	
	27	33.7	61.9	7.2	110.93	24.30	57.34	119.00	205.63	2	0.904	47.34	
	28	30.3	58.1	7.2	110.90	21.30	59.46	119.00	204.24	2	0.877	40.74	
	29	40.0	61.9	7.2	110.93	33.80	57.37	119.00	204.33	2	0.911	58.84	
	30	88.2	130.7	7.2	111.30	81.00	22.85	119.00	184.77	2	0.908	130.17	105.39
Dec.	1	110.9	167.8	20.9	111.61	90.00	24.31	119.08	179.26	2	0.986	142.00	
	2	76.7	101.2	7.2	111.19	69.30	35.82	119.00	195.99	2	0.911	118.74	
	3	57.8	83.9	7.2	111.07	50.30	38.07	119.00	199.01	2	0.862	87.05	
	4	135.4	176.7	43.6	111.66	90.00	24.31	119.18	178.31	2	0.986	142.00	
	5	106.2	199.1	36.1	111.43	90.00	24.31	119.03	179.41	2	0.986	142.00	
	6	83.2	106.2	7.2	111.21	82.30	33.60	119.00	184.93	2	0.908	137.27	
	7	74.9	98.7	7.2	111.17	67.30	35.95	119.00	191.67	2	0.911	115.80	
	8	67.3	84.3	7.2	111.06	60.10	35.96	119.00	195.73	2	0.903	109.89	
	9	59.8	79.3	7.2	111.04	52.40	36.44	119.00	198.32	2	0.886	90.75	
	10	56.0	72.9	7.2	111.00	48.80	36.26	119.00	198.71	2	0.877	83.72	
	11	47.5	68.5	7.2	110.97	42.30	37.44	119.00	202.37	2	0.843	67.35	
	12	45.7	64.1	7.2	110.94	38.30	39.14	119.00	202.90	2	0.903	68.14	
	13	41.9	60.0	7.2	110.91	34.70	41.16	119.00	203.98	2	0.911	63.48	
	14	33.7	56.2	7.2	110.89	28.30	44.34	119.00	205.67	2	0.894	47.75	
	15	33.0	52.8	7.2	110.87	24.80	46.30	119.00	206.90	2	0.894	44.38	
	16	31.2	48.7	7.2	110.82	24.00	48.04	119.00	206.17	2	0.878	40.40	
	17	32.9	44.8	7.2	110.81	23.70	48.30	119.00	206.36	2	0.880	44.14	
	18	42.8	58.1	7.2	110.80	35.40	41.41	119.00	202.49	2	0.910	62.48	
	19	45.8	64.1	7.2	110.84	34.80	43.77	119.00	202.30	2	0.908	64.27	
	20	38.1	56.2	7.2	110.86	26.40	46.67	119.00	204.79	2	0.903	54.78	
	21	34.7	50.9	7.2	110.85	27.50	46.33	119.00	205.52	2	0.890	49.76	
	22	27.8	42.9	7.2	110.79	20.60	54.48	119.00	204.73	2	0.851	33.53	
	23	24.5	39.7	7.2	110.77	17.30	56.44	119.00	207.19	2	0.914	28.46	
	24	21.0	35.1	7.2	110.74	15.80	58.87	119.00	207.98	2	0.797	23.30	
	25	21.4	36.7	7.2	110.75	14.30	60.70	119.00	207.55	0	0.000	0.00	
	26	24.5	41.4	7.2	110.78	17.30	56.44	119.00	207.17	2	0.916	28.46	
	27	38.6	44.8	7.2	110.81	21.40	53.19	119.00	206.80	2	0.839	77.30	
	28	37.8	39.7	7.2	110.77	19.60	54.48	119.00	206.73	2	0.851	33.54	
	29	27.0	31.0	7.2	110.75	15.80	58.87	119.00	206.88	2	0.844	33.86	
	30	23.4	33.3	7.2	110.73	18.30	57.13	119.00	207.13	2	0.850	30.35	
	31	23.0	32.0	7.2	110.72	15.80	60.10	119.00	207.41	4	0.762	34.45	64.48

# POWER GENERATION SIMULATION

Year: 1963

Dist. Area 8  
P.L.L. = 319.00 m

Rated Head : 179.50 m  
Min. Plant Discharge : 90.00 cum

Installed Capacity : 102.0 MW

Date	Discharge Cum (cum)	Discharge PH (cum)	RMP or Tail Spillage water level (cum)	Plant Q level (cum)	Loss	Rate level	Effort Head h	Effort Unit m/s	Effort MW	Output MW	Month y Ave. MW
Jan 1	22.5	21.1	22.5	180.74	0.0	0.82	319.00	327.44	0.0000	0.00	
2	22.5	21.1	22.5	180.74	0.0	0.82	319.00	327.44	0.0000	0.00	
3	22.5	21.1	22.5	180.74	0.0	0.82	319.00	327.44	0.0000	0.00	
4	17.5	27.4	17.5	180.68	0.0	0.57	319.00	307.94	0.0000	0.00	
5	16.7	28.1	16.7	180.64	0.0	0.51	319.00	308.01	0.0000	0.00	
6	19.3	20.5	19.3	180.71	0.0	0.53	319.00	307.77	0.0000	0.00	
7	21.5	18.7	21.5	180.77	18.3	1.17	319.00	307.06	1.828	50.73	
8	27.3	42.9	27.3	180.79	28.3	1.44	319.00	306.77	1.048	54.90	
9	22.5	21.1	22.5	180.74	0.0	0.82	319.00	327.44	0.0000	0.00	
10	33.9	32.4	33.9	180.66	34.4	2.43	319.00	305.71	1.094	47.36	
11	91.0	122.0	91.0	111.45	83.8	24.64	319.00	185.09	1.900	136.15	
12	124.4	237.0	124.4	111.99	90.0	38.21	319.00	179.03	2.098	141.83	
13	177.3	376.7	177.3	112.18	90.0	58.21	319.00	178.92	2.098	141.76	
14	194.5	411.1	194.5	112.01	90.0	64.51	319.00	179.02	2.098	141.83	
15	194.5	411.1	194.5	112.01	90.0	64.51	319.00	179.02	2.098	141.83	
16	113.1	179.6	113.1	111.67	90.0	38.21	319.00	179.01	2.098	141.84	
17	83.0	128.0	83.0	111.34	74.8	19.49	319.00	180.15	2.011	135.49	
18	91.0	122.0	91.0	111.45	83.8	24.64	319.00	185.09	2.098	141.83	
19	129.8	162.0	129.8	111.57	90.0	58.21	319.00	179.04	2.098	141.80	
20	79.4	122.9	79.4	111.23	71.2	17.66	319.00	180.03	2.012	130.86	
21	71.4	111.4	71.4	111.26	64.2	14.25	319.00	181.39	2.010	130.43	
22	98.5	126.4	98.5	111.33	90.0	58.21	319.00	179.02	2.098	141.80	
23	177.3	376.7	177.3	112.18	90.0	58.21	319.00	178.92	2.098	141.76	
24	122.6	191.5	122.6	111.74	90.0	38.21	319.00	179.17	2.098	141.84	
25	83.5	133.5	83.5	111.49	79.3	17.35	319.00	180.25	2.010	130.63	
26	98.2	133.4	98.2	111.52	90.0	58.21	319.00	179.02	2.098	141.80	
27	113.2	176.7	113.2	111.66	90.0	38.21	319.00	179.22	2.098	141.87	
28	179.2	372.5	179.2	112.14	90.0	58.21	319.00	178.93	2.098	141.79	
29	479.2	748.1	479.2	113.39	90.0	28.21	319.00	178.37	2.089	141.43	
30	677.3	979.2	677.3	113.78	90.0	28.21	319.00	178.38	2.089	141.37	
31	733.3	1222.7	733.3	114.04	90.0	28.21	319.00	178.39	2.089	141.37	25.76
Feb 1	918.1	1433.1	918.1	114.37	90.0	28.21	319.00	178.10	2.089	141.34	
2	734.1	1143.9	734.1	113.94	90.0	28.21	319.00	178.23	2.089	141.34	
3	642.1	1022.4	642.1	113.74	90.0	28.21	319.00	178.23	2.089	141.37	
4	648.0	1011.9	648.0	113.76	90.0	28.21	319.00	178.26	2.089	141.37	
5	543.6	911.1	543.6	113.64	90.0	28.21	319.00	178.26	2.089	141.34	
6	515.0	805.8	515.0	113.48	90.0	28.21	319.00	178.34	2.089	141.41	
7	434.9	647.7	434.9	113.22	90.0	28.21	319.00	178.42	2.089	141.44	
8	278.4	434.6	278.4	112.76	90.0	28.21	319.00	178.60	2.089	141.58	
9	198.3	310.5	198.3	112.35	90.0	28.21	319.00	178.63	2.089	141.73	
10	124.4	237.0	124.4	111.99	90.0	28.21	319.00	179.03	2.089	141.83	
11	126.5	194.4	126.5	111.76	90.0	28.21	319.00	179.15	2.089	141.84	
12	111.3	175.7	111.3	111.44	90.0	28.21	319.00	179.23	2.089	141.86	
13	94.5	129.4	94.5	111.30	89.3	27.77	319.00	179.72	2.089	141.40	
14	98.1	139.1	98.1	111.45	81.9	23.36	319.00	180.21	2.087	134.13	
15	92.8	144.9	92.8	111.47	85.4	23.52	319.00	180.61	2.084	137.96	
16	94.5	130.4	94.5	111.30	89.3	27.77	319.00	179.72	2.089	141.40	
17	101.9	198.1	101.9	111.55	90.0	28.21	319.00	179.23	2.089	142.00	
18	83.5	133.5	83.5	111.49	79.3	17.35	319.00	180.25	2.010	130.63	
19	78.4	122.9	78.4	111.23	71.2	17.66	319.00	180.03	2.012	130.86	
20	87.3	136.3	87.3	111.41	80.1	22.39	319.00	180.34	2.010	132.13	
21	94.5	129.4	94.5	111.30	89.3	27.77	319.00	179.72	2.089	141.40	
22	102.3	129.2	102.3	111.34	73.0	18.96	319.00	180.10	2.012	132.32	
23	64.4	102.7	64.4	111.21	68.2	12.21	319.00	181.99	2.080	120.30	
24	43.3	98.7	43.3	111.17	54.0	10.80	319.00	184.81	2.096	146.78	
25	73.1	114.2	73.1	111.27	65.9	13.12	319.00	182.60	2.080	133.11	
26	111.3	175.7	111.3	111.44	90.0	28.21	319.00	179.23	2.089	141.86	
27	144.1	224.9	144.1	111.82	90.0	28.21	319.00	179.47	2.086	141.83	
28	212.0	330.9	212.0	112.41	90.0	28.21	319.00	179.79	2.089	141.70	
Mar 1	293.0	477.4	293.0	112.82	90.0	28.21	319.00	179.57	2.089	141.54	
2	341.1	578.4	341.1	112.55	90.0	28.21	319.00	179.69	2.089	141.44	
3	303.2	517.2	303.2	112.33	90.0	28.21	319.00	179.82	2.089	141.72	
4	180.7	230.4	180.7	112.04	90.0	28.21	319.00	179.99	2.089	141.83	
5	132.4	206.4	132.4	111.83	90.0	28.21	319.00	179.16	2.089	141.93	
6	100.1	156.3	100.1	111.54	90.0	28.21	319.00	179.27	2.089	142.00	
7	80.2	125.2	80.2	111.34	73.0	18.96	319.00	180.10	2.012	132.32	
8	89.6	108.6	89.6	111.24	63.4	13.96	319.00	184.20	2.096	107.80	
9	87.3	136.3	87.3	111.41	80.1	22.39	319.00	180.34	2.010	132.13	
10	101.9	198.1	101.9	111.55	90.0	28.21	319.00	179.23	2.089	142.00	
11	120.3	234.6	120.3	111.97	90.0	28.21	319.00	179.23	2.089	141.86	
12	142.1	221.9	142.1	111.91	90.0	28.21	319.00	179.20	2.089	141.89	
13	130.8	188.5	130.8	111.77	90.0	28.21	319.00	179.12	2.086	141.97	
14	113.2	176.7	113.2	111.66	90.0	28.21	319.00	179.22	2.089	141.87	
15	105.6	164.9	105.6	111.59	90.0	28.21	319.00	179.25	2.086	141.89	
16	83.5	133.5	83.5	111.49	79.3	17.35	319.00	180.25	2.010	130.63	
17	71.4	111.4	71.4	111.26	64.2	14.25	319.00	181.39	2.010	130.43	
18	98.6	108.6	98.6	111.34	62.4	13.56	319.00	184.20	2.096	107.80	
19	61.7	94.1	61.7	111.16	54.5	10.94	319.00	187.80	2.082	94.13	
20	78.4	122.9	78.4	111.23	71.2	17.66	319.00	180.03	2.012	130.86	
21	128.4	302.3	128.4	111.79	90.0	28.21	319.00	179.15	2.089	141.93	
22	309.8	527.4	309.8	112.40	90.0	28.21	319.00	179.79	2.089	141.70	
23	448.5	796.7	448.5	113.25	90.0	28.21	319.00	179.34	2.089	141.44	
24	677.7	1057.9	677.7	113.82	90.0	28.21	319.00	178.29	2.089	141.34	
25	477.3	713.8	477.3	113.33	90.0	28.21	319.00	178.34	2.089	141.44	
26	396.3	618.7	396.3	113.17	90.0	28.21	319.00	178.41	2.089	141.47	
27	477.3	713.8	477.3	113.33	90.0	28.21	319.00	178.34	2.089	141.44	
28	433.2	688.4	433.2	113.73	90.0	28.21	319.00	178.28	2.089	141.37	
29	471.0	735.2	471.0	113.37	90.0	28.21	319.00	178.37	2.089	141.43	
30	522.4	805.2	522.4	113.91	90.0	28.21	319.00	178.72	2.089	141.53	
31	543.3	862.1	543.3	114.22	90.0	28.21	319.00	178.69	2.089	141.53	335.01

		Discharge (cum)	Discharge PH (cum)	RMP or Tail Spillage water (cum)	Plant Q level (cum)	Loss	Rate level	Effort Head h	Effort Unit m/s	Effort MW	Output MW	Month y Ave. MW
Apr.	1	190.0	296.4	100.0	112.27	90.0	28.21	319.00	179.37	2.089	141.75	
	2	144.3	277.3	74.8	112.09	90.0	28.21	319.00	179.37	2.089	141.82	
	3	140.2	218.8	90.0	111.89	90.0	28.21	319.00	179.19	2.088	141.89	
	4	124.5	194.4	34.3	111.76	90.0	28.21	319.00	179.17	2.088	141.94	
	5	130.8	189.5	20.9	111.73	90.0	28.21	319.11	179.18	2.088	141.95	
	6	115.1	179.6	25.1	111.67	90.0	28.21	319.09	179.21	2.088	141.97	
	7	105.4	164.9	15.6	111.59	90.0	28.21	319.05	179.25	2.088	141.99	
	8	94.9	150.4	7.3	111.50	89.3	27.77	319.00	179.72	2.089	141.40	
	9	86.1	136.1	7.3	111.41	81.9	23.36	319.00	180.21	2.087	134.13	
	10	82.0	128.0	7.2	111.34	74.8	19.49	319.00	180.15	2.011	135.49	
	11	74.9	114.9	7.2	111.29	67.7	15.96	319.00	181.75	2.010	137.85	
	12	69.4	106.6	7.2	111.24	62.6	13.96	319.00	180.20	2.006	107.60	
	13	66.4	105.7	7.2	111.21	59.5	13.21	319.00	180.21	2.002	108.20	
	14	58.5	91.5	7.2	111.13	51.5	9.17	319.00	180.71	2.004	88.25	
	15	54.9	88.6	7.2	111.11	49.0	8.40	319.00	180.20	2.000	87.35	
	16	71.4	111.4	7.2	111.26	64.0	14.35	319.00	180.39	2.008	130.48	
	17	80.3	128.2	7.2	111.34	73.0	18.36	319.00	180.10	2.011	133.31	
	18	66.4	105.7	7.2	111.21	59.5	13.21	319.00	180.29	2.002	102.30	
	19	55.3	86.5	7.2	111.09	46.4	8.06	319.00	180.83	2.004	82.35	
	20	52.3	81.7	7.2	111.06	43.4	7.69	319.00	180.84	2.003	76.44	
	21	48.1	75.1	7.2	111.01	40.3	5.83	319.00	182.16	2.002	64.30	
	22	44.7	72.9	7.2	111.00	39.5	5.63	319.00	182.07	2.001	60.23	
	23	43.9	68.5	7.2	110.97	38.6	5.49	319.00	182.34	2.000	70.40	
	24	42.3	66.3	7.2	110.96	37.3	5.34	319.00	182.71	2.011	64.17	
	25	39.7	61.9	7.2	110.91	32.3	4.08	319.00	182.40	2.011	59.32	
	26	39.7	61.9	7.2	110.93	32.3	3.86	319.00	182.40	2.011	59.32	
	27	38.5	60.0	7.2	110.91	31.9	3.41	319.00	182.48	2.010	57.13	
	28	37.4	58.8	7.2	110.89	31.0	3.18	319.00	182.57	2.007	54.97	
	29	34.8	54.3	7.2	110.87	27.4	1.63	319.00	182.67	2.009	49.87	
	30	33.6	52.4	7.2	110.84	26.6	1.63	319.00	182.71	2.004	47.36	
92.75												
May	1	39.1	52.4	7.2	110.84	31.0	3.54	319.00	180.40	2.011	58.25	
	2	36.1	51.4	7.2	110.86	30.0	3.33	319.00	180.81	2.009	54.39	
	3	39.1	52.4	7.2	110.86	31.0	3.54	319.00	180.40	2.011	58.25	
	4	36.1	51.4	7.2	110.88	30.0	3.33	319.00	180.81	2.010	54.39	
	5	41.0	50.7	7.2	110.87	33.0	3.88	319.00	180.62	2.011	61.16	
	6	38.5	50.3	7.2	110.83	30.0	3.33	319.00	180.83	2.009	54.44	
	7	34.4	48.6	7.2	110.83	28.0	1.87	319.00	182.30	2.001	50.05	
	8	34.7	48.6	7.2	110.83	27.5	1.63	319.00	182.57	2.009	49.78	
	9	34.7	46.7	7.2	110.82	27.5	1.63	319.00	182.53	2.009	49.78	
	10	33.7	46.7	7.2	110.82	26.5	1.43	319.00	182.75	2.004	47.77	
	11	32.9	46.7	7.2	110.82	25.7	1.30	319.00	182.88	2.000	44.14	
	12	32.9	46.7	7.2	110.82	24.8	1.14	319.00	182.94	2.004	44.29	
	13	31.2	44.8	7.2	110.81	24.0	2.01	319.00	180.19	2.010	43.64	
	14	30.3	44.8	7.2	110.81	23.3	1.86	319.00	180.33	2.011	40.76	
	15	39.1	56.2	7.2	110.89	31.0	3.54	319.00	180.37	2.011	58.24	
	16	64.5	83.9	7.2	111.07	57.3	11.63	319.00	180.49	2.008	99.12	
	17	57.8	70.7	7.2	110.99	50.6	8.92	319.00	180.10	2.002	87.09	
	18	49.4	61.9	7.2	110.93	42.3	6.29	319.00	181.87	2.003	71.69	
	19	43.3	54.2	7.2	110.89	36.0	4.67	319.00	182.45	2.001	64.30	
	20	39.1	48.6	7.2	110.83	31.0	3.54	319.00	180.62	2.011	58.25	
	21	37.2	46.7	7.2	110.82	29.0	1.13	319.00	182.05	2.007	54.48	
	22	34.7	44.8	7.2	110.81	27.5	1.63	319.00	182.54	2.009	49.79	
	23	32.0	44.8	7.2	110.81	24.0	1.14	319.00	180.93	2.004	42.44	
	24	31.2	42.9	7.2	110.79	24.0	1.01	319.00	180.30	2.010	43.99	
	25	30.3	41.4	7.2	110.78	23.3	1.86	319.00	180.34	2.011	40.77	
	26	27.8	39.7	7.2	110.77	20.0	1.48	319.00	180.75	2.011	33.54	
	27	36.1	36.7	7.2	110.75	19.0	1.24	319.00	180.61	2.004	31.99	
	28	23.4	34.7	7.2	110.73	14.0	0.96	319.00	180.79	2.007	27.22	
	29	23.0	34.7	7.2	110.73	13.0	0.87	319.00	180.79	2.007	25.99	
	30	31.4	33.1	21.4	110.74	0.0	0.70	319.00	180.54	0.000	0.00	
	31	20.6	35.1	20.0	110.74	0.0	0.63	319.00	180.63	0.000	0.00	48.85
Jun.	1	22.5	31.1	22.5	110.74	0.0	0.83	319.00	180.44	0.000	0.00	
	2	22.5	31.1	22.5	110.74	0.0	0.82	319.00	180.44	0.000	0.00	
	3	22.5	31.1	22.5	110.74	0.0	0.82	319.00	180.44	0.000	0.00	
	4	21.5	33.3	21.5	110.73	0.0	0.73	319.00	180.56	0.000	0.00	
	5	21.5	33.3	21.5	110.73	0.0	0.71	319.00	180.56	0.000	0.00	
	6	20.5	32.0	20.5	110.72	0.0	0.62	319.00	180.67	0.000	0.00	
	7	20.5	32.0	20.5	110.72	0.0	0.62	319.00	180.67	0.000	0.00	
	8	18.5	28.9	18.5	110.70	0.0	0.44	319.00	180.86	0.000	0.00	
	9	18.5	28.9	18.5	110.70	0.0	0.44	319.00	180.86	0.000	0.00	
	10	17.5	27.4	17.5	110.69	0.0	0.37	319.00	180.94	0.000	0.00	
	11	17.5	27.4	17.5	110.69	0.0	0.37	319.00	180.94	0.000	0.00	
	12	17.5	27.4	17.5	110.69	0.0	0.37	319.00	180.94	0.000	0.00	
	13	18.5	28.9	18.5	110.70	0.0	0.44	319.00	180.86	0.000	0.00	
	14	20.5	32.0	20.5	110.72	0.0	0.62	319.00	180.67	0.000	0.00	
	15	25.5	39.7	25.5	110.77	18.0	1.17	319.00	180.06	0.000	0.00	
	16	24.7	44.8	7.2	110.81	21.3	1.41	319.00	180.58	0.000	0.00	
	17	27.5	43.9	7.2	110.79	20.0	1.44	319.00	180.77	0.000	0.00	
	18	25.5	39.7	7.2	110.77	18.0	1.17	319.00	180.06	0.000	0.00	
	19	25.5	36.7	7.2	110.75	14.0	0.95	319.00	180.32	0.000	0.00	
	20	22.5	31.1	22.5	110.74	0.0	0.82	319.00	180.44	0.000	0.00	
	21	20.5	32.0	20.5	110.72	0.0	0.62	319.00	180.67	0.000	0.00	
	22	19.5	30.3	19.5	110.71	0.0	0.53	319.00	180.77	0.000	0.00	
	23	18.5	28.9	18.5	110.70	0.0	0.44	319.00	180.86	0.000	0.00	
	24	18.5	28.9	18.5	110.70	0.0	0.44	319.00	180.86	0.000	0.00	
	25	18.5	28.9	18.5	110.70	0.0	0.44	319.00	180.86	0.000	0.00	
	26	18.5	28.9	18.5	110.70	0.0	0.44	319.00	180.86	0.000	0.00	
	27	18.5	28.9	18.5	110.70	0.0	0.44	319.00	180.86	0.000	0.00	
	28	17.5	27.4	17.5	110.69	0.0	0.37	319.00	180.94	0.000	0.00	
	29	16.7	24.7	16.7	110.67	0.0	0.31	319.00	180.01	0.000	0.00	
	30	15.9	24.9	15.9	110.67	0.0	0.26	319.00	180.07	0.000	0.00	
93.1												

## POWER GENERATION SIMULATION

Year: 1963

Data Area 9  
P.L. = 319.00 mRoad Head : 179.30 m  
Max. Plant Discharge : 90.00 cms

Installed Capacity : 143.0 MW

Date	Discharge (cms)	Discharge P.L. (cms)	RMP or Tail Spillage water level in (cms)	Plant Q (cms)	Loss	Raw level	Effect. Head h	Unit cost	Efficiency Unit cost	Output MW	Month y Ave. MW
Jul 1	15.9	34.9	15.9	15.9	0.0	0.34	319.00	208.07	0.000	0.00	
2	15.9	34.9	15.9	15.9	0.0	0.34	319.00	208.07	0.000	0.00	
3	15.9	34.9	15.9	15.9	0.0	0.34	319.00	208.07	0.000	0.00	
4	15.9	34.9	15.9	15.9	0.0	0.34	319.00	208.07	0.000	0.00	
5	15.9	34.9	15.9	15.9	0.0	0.34	319.00	208.07	0.000	0.00	
6	15.9	34.9	15.9	15.9	0.0	0.34	319.00	208.07	0.000	0.00	
7	15.9	34.9	15.9	15.9	0.0	0.34	319.00	208.07	0.000	0.00	
8	15.9	34.9	15.9	15.9	0.0	0.34	319.00	208.07	0.000	0.00	
9	16.7	36.1	16.7	16.7	0.0	0.31	319.00	208.01	0.000	0.00	
10	16.7	36.1	16.7	16.7	0.0	0.31	319.00	208.01	0.000	0.00	
11	16.7	36.1	16.7	16.7	0.0	0.31	319.00	208.01	0.000	0.00	
12	15.9	34.9	15.9	15.9	0.0	0.34	319.00	208.07	0.000	0.00	
13	15.9	34.9	15.9	15.9	0.0	0.34	319.00	208.07	0.000	0.00	
14	15.9	34.9	15.9	15.9	0.0	0.34	319.00	208.07	0.000	0.00	
15	15.3	23.7	15.3	15.3	0.0	0.22	319.00	206.12	0.000	0.00	
16	15.3	23.7	15.3	15.3	0.0	0.22	319.00	206.12	0.000	0.00	
17	15.3	23.7	15.3	15.3	0.0	0.22	319.00	206.12	0.000	0.00	
18	15.9	34.9	15.9	15.9	0.0	0.34	319.00	208.07	0.000	0.00	
19	24.5	36.2	7.2	130.76	17.3	1.04	319.00	207.30	0.014	24.46	
20	23.5	36.7	7.2	130.75	16.3	0.83	319.00	207.32	0.004	24.61	
21	23.5	35.1	7.2	130.74	0.0	0.83	319.00	207.44	0.000	0.00	
22	46.1	73.1	7.2	111.61	46.9	3.83	319.00	202.16	0.043	46.30	
23	105.6	144.9	15.6	111.59	90.0	26.31	319.01	179.25	0.096	141.99	
24	61.7	96.3	7.2	111.16	54.5	19.34	319.00	177.02	0.060	94.13	
25	43.5	66.7	7.2	110.86	35.3	13.54	319.00	203.71	0.011	44.17	
26	31.1	43.6	7.2	110.83	22.9	1.99	319.00	204.18	0.006	43.42	
27	27.5	41.9	7.2	110.79	20.3	1.64	319.00	204.77	0.004	34.90	
28	24.5	38.2	7.2	110.74	17.3	1.04	319.00	207.30	0.014	24.46	
29	23.5	35.1	7.2	110.74	0.0	0.83	319.00	207.44	0.000	0.00	
30	20.5	32.0	20.9	110.72	0.6	0.42	319.00	207.67	0.000	0.00	
31	19.7	30.5	19.7	110.71	0.0	0.42	319.00	207.77	0.000	0.00	17.15
Aug 1	18.5	28.9	18.5	110.70	0.0	0.44	319.00	207.86	0.000	0.00	
2	18.5	28.9	18.5	110.70	0.0	0.44	319.00	207.86	0.000	0.00	
3	17.5	27.4	17.5	110.69	0.0	0.37	319.00	207.84	0.000	0.00	
4	16.7	26.1	16.7	110.68	0.0	0.31	319.00	208.01	0.000	0.00	
5	16.7	26.1	16.7	110.68	0.0	0.31	319.00	208.01	0.000	0.00	
6	15.9	24.9	15.9	110.67	0.0	0.34	319.00	208.07	0.000	0.00	
7	16.7	26.1	16.7	110.68	0.0	0.31	319.00	208.01	0.000	0.00	
8	16.7	26.1	16.7	110.68	0.0	0.31	319.00	208.01	0.000	0.00	
9	15.9	24.9	15.9	110.67	0.0	0.34	319.00	208.07	0.000	0.00	
10	15.9	24.9	15.9	110.67	0.0	0.34	319.00	208.07	0.000	0.00	
11	15.9	24.9	15.9	110.67	0.0	0.34	319.00	208.07	0.000	0.00	
12	15.9	24.9	15.9	110.67	0.0	0.34	319.00	208.07	0.000	0.00	
13	15.9	24.9	15.9	110.67	0.0	0.34	319.00	208.07	0.000	0.00	
14	20.5	32.0	20.5	110.72	0.0	0.42	319.00	207.67	0.000	0.00	
15	23.5	35.1	7.2	110.73	16.3	0.83	319.00	207.32	0.004	24.61	
16	27.2	38.1	7.2	110.90	30.0	3.13	319.00	204.97	0.007	34.67	
17	46.7	72.9	7.2	111.00	38.3	5.43	319.00	202.57	0.000	70.53	
18	54.9	54.3	7.2	110.87	27.6	2.63	319.00	203.47	0.009	49.87	
19	27.5	42.9	7.2	110.79	20.3	1.64	319.00	204.77	0.004	34.90	
20	24.5	41.4	7.2	110.76	18.3	1.20	319.00	204.92	0.004	33.81	
21	24.5	41.4	7.2	110.78	18.3	1.20	319.00	204.92	0.004	33.81	
22	53.7	83.9	7.2	111.07	46.5	7.53	319.00	200.40	0.040	78.32	
23	48.1	73.1	7.2	111.01	46.9	5.83	319.00	202.16	0.043	66.30	
24	36.7	61.9	7.2	110.93	32.5	3.68	319.00	204.40	0.011	39.32	
25	36.5	60.0	7.2	110.91	31.3	3.41	319.00	204.48	0.010	37.13	
26	49.6	115.6	7.2	111.06	62.4	11.36	319.00	194.30	0.020	107.46	
27	44.5	91.3	7.2	111.12	51.3	9.17	319.00	196.71	0.016	86.33	
28	46.7	72.9	7.2	111.00	38.3	5.43	319.00	202.57	0.000	70.53	
29	24.5	40.0	7.2	110.91	18.3	1.20	319.00	204.92	0.004	33.81	
30	31.1	44.6	7.2	110.83	22.9	1.99	319.00	204.18	0.006	43.42	
31	27.2	42.9	7.2	110.79	20.3	1.64	319.00	204.77	0.004	34.90	31.31
Sep 1	19.8	41.4	19.8	110.78	0.0	0.55	319.00	207.66	0.000	0.00	
2	19.8	39.7	19.8	110.76	0.0	0.55	319.00	207.66	0.000	0.00	
3	18.1	36.2	18.1	110.74	0.0	0.41	319.00	207.82	0.000	0.00	
4	18.1	36.2	18.1	110.73	0.0	0.41	319.00	207.84	0.000	0.00	
5	14.5	34.7	14.5	110.72	0.0	0.30	319.00	207.93	0.000	0.00	
6	14.2	33.1	14.2	110.74	0.0	0.17	319.00	208.09	0.000	0.00	
7	14.9	33.5	14.9	110.73	0.0	0.31	319.00	208.04	0.000	0.00	
8	15.6	37.0	15.6	110.72	0.0	0.34	319.00	208.02	0.000	0.00	
9	17.4	30.5	17.4	110.71	0.0	0.34	319.00	207.93	0.000	0.00	
10	19.0	30.5	19.0	110.71	0.0	0.48	319.00	207.91	0.000	0.00	
11	21.4	30.5	21.4	110.71	0.0	0.70	319.00	207.99	0.000	0.00	
12	25.4	30.5	25.4	110.71	18.2	1.15	319.00	207.14	0.026	30.53	
13	27.6	33.3	7.2	110.72	18.6	1.37	319.00	206.93	0.034	33.87	
14	34.5	32.0	7.2	110.72	17.3	1.04	319.00	207.34	0.014	24.46	
15	23.0	30.5	7.2	110.71	18.6	0.87	319.00	207.41	0.007	28.65	
16	23.8	33.9	7.2	110.73	16.6	0.86	319.00	207.31	0.007	27.23	
17	32.0	46.7	7.2	110.82	25.7	3.30	319.00	204.84	0.000	44.14	
18	35.4	38.2	7.2	110.76	18.3	1.13	319.00	207.09	0.026	30.32	
19	33.0	33.1	7.2	110.74	18.6	0.87	319.00	207.39	0.007	33.59	
20	33.4	32.0	7.2	110.72	16.6	0.86	319.00	207.31	0.007	27.23	
21	24.1	30.5	7.2	110.71	18.9	1.34	319.00	207.05	0.034	31.99	
22	28.4	30.5	7.2	110.71	22.2	1.72	319.00	206.58	0.044	34.90	
23	33.3	34.7	7.2	110.75	28.3	2.79	319.00	205.44	0.002	31.40	
24	36.9	64.1	7.2	110.94	49.7	8.60	319.00	199.44	0.029	83.64	
25	63.3	96.7	7.2	111.17	78.1	21.34	319.00	186.58	0.030	129.94	
26	190.0	140.0	90.0	111.43	90.0	34.31	319.23	179.37	0.096	140.00	
27	63.3	96.7	7.2	111.17	78.1	21.34	319.00	186.58	0.030	129.94	
28	132.4	142.9	123.4	114.52	90.0	28.31	320.33	178.55	0.099	141.60	
29	130.8	141.9	121.4	114.57	90.0	28.31	321.14	178.34	0.099	141.42	
30	93.4	134.9	84.6	114.07	90.0	28.31	320.49	179.40	0.099	141.43	44.04

Date	Discharge Data (cms)	Discharge P.H. (cms)	RMP or Tail Spillage level in (cms)	Plant Q (cms)	Loss	Raw level	Effect. Head h	Unit cost	Efficiency Output	Month y Ave. MW	
Oct.	1	638.1	977.7	509.1	113.74	90.02	26.31	326.23	178.28	0.049	141.37
	2	482.0	783.4	382.0	113.79	90.02	26.31	326.27	178.36	0.049	141.43
	3	324.8	507.0	234.8	113.94	90.02	26.31	326.67	178.51	0.050	141.52
	4	312.4	497.9	222.4	113.90	90.02	26.31	326.64	178.53	0.050	141.54
	5	412.3	640.3	322.3	113.31	90.00	26.31	326.84	179.42	0.050	141.45
	6	634.3	976.5	534.3	113.72	90.02	26.31	326.23	178.28	0.049	141.37
	7	457.3	715.0	367.3	113.53	90.03	26.31	326.92	178.58	0.050	141.44
	8	396.5	595.6	346.5	113.09	90.00	26.31	326.73	178.47	0.050	141.36
	9	350.4	560.9	310.4	113.63	90.00	26.31	326.50	178.67	0.050	141.62
	10	382.5	588.0	348.2	113.38	90.00	26.31	326.57	178.64	0.050	141.75
	11	323.9	540.0	313.9	113.47	90.00	26.31	326.41	178.75	0.050	141.67
	12	334.2	563.6	344.2	113.54	90.00	26.31	326.44	178.71	0.050	141.65
	13	227.4	354.9	177.4	112.58	90.00	26.31	326.64	178.79	0.050	141.64
	14	187.8	265.1	97.9	112.35	90.00	26.31	326.34	178.68	0.050	141.74
	15	307.8	530.4	117.6	112.36	90.00	26.31	326.39	178.80	0.050	141.81
	16	223.1	351.3	121.1	112.49	90.00	26.31	326.44	178.74	0.050	141.67
	17	227.4	354.9	127.6	112.50	90.00	26.31	326.44	178.79	0.050	141.86
	18	409.6	679.4	319.6	113.20	90.02	26.31	326.84	179.42	0.050	141.66
	19	412.3	640.3	322.3	113.31	90.00	26.31	326.84	179.42	0.050	141.46
	20	324.8	507.0	234.8	113.94	90.02	26.31	326.67	178.51	0.050	141.52
	21	238.3	372.8	148.3	112.54	90.00	26.31	326.47	178.79	0.050	141.64
	22	377.9	638.8	183.9	112.75	90.00	26.31	326.54	178.60	0.050	141.56
	23	290.5	435.0	205.0	112.81	90.00	26.31	326.59	178.67	0.050	141.54
	24	340.3	564.1	333.3	112.59	90.00	26.31	326.44	178.69	0.050	141.83
	25	227.4	354.9	177.4	112.58	90.00	26.31	326.64	178.79	0.050	141.66
	26	214.2	336.2	162.2	112.43	90.02	26.31	326.41	178.79	0.050	141.71
	27	307.8	530.4	117.6	112.36	90.00	26.31	326.39	178.80	0.050	141.81
	28	180.0	265.1	97.9	112.37	90.00	26.31	326.35	178.87	0.050	141.75
	29	189.9	284.8	79.0	112.12	90.00	26.31	326.28	178.56	0.050	141.81
	30	144.1	240.9	54.1	111.92	90.00	26.31	326.31	178.07	0.050	141.86
	31	123.6	181.5	32.6	111.74	90.02	26.31	326.13	178.17	0.050	141.82
Nov.	1	198.4	178.8	98.4	111.42	90.00	26.31	326.07	178.23	0.050	141.86
	2	196.3	244.3	64.3	111.62	90.00	26.31	326.23	178.81	0.050	141.84
	3	126.1	197.9	56.3	111.78	90.00	26.31	326.14	178.16	0.050	141.85
	4	115.1	179.6	34.5	111.67	90.00	26.31	326.09	178.09	0.050	141.97
	5	105.6	166.9	11.6	111.40	90.00	26.31	326.05	178.25	0.050	141.99
	6	98.3	157.4	8.5	111.32	90.00	26.31	326.01	178.38	0.050	142.00
	7	94.6	147.7	7.2	111.48	87.40	26.40	326.00	180.81	0.051	139.44
	8	154.5	244.3	64.5	112.02	90.00	26.31	326.23	178.81	0.050	141.84
	9	354.6	564.6	264.6	113.85	90.00	26.31	326.79	178.47	0.050	141.36
	10	643.3	1118.3	783.3	114.17	90.00	26.31	326.34	178.15	0.050	141.29
	11	871.8	1648.7	1138.3	113.71	90.00	26.31	326.38	178.36	0.050	141.36
	12	436.7	644.8	348.7	113.38	90.00	26.31	326.88	178.40	0.050	141.43
	13	548.3	777.3	479.3	113.09	90.00	26.31	326.74	178.64	0.050	141.49
	14	345.8	567.3	195.3	112.40	90.00	26.31	326.49	178.68	0.050	141.63
	15	301.0	513.7	111.0	112.34	90.00	26.31	326.38	178.65	0.050	141.72
	16	171.1	267.0	81.1	112.13	90.00	26.31	326.28	178.95	0.050	141.80
	17	144.2	228.1	54.2	111.94	90.00	26.31	326.31	178.98	0.050	141.87
	18	150.4	255.6	48.4	111.81	90.00	26.31	326.16	178.14	0.050	141.85
	19	124.3	194.4	34.3	111.76	90.00	26.31	326.13	178.17	0.050	141.94
	20	244.4	364.4	124.4	112.49	90.00	26.31	326.37	178.67	0.050	141.80
	21	277.4	401.8	167.4	112.44	90.00	26.31	326.52	178.45	0.050	141.61
	22	194.4	324.4	104.4	112.30	90.00	26.31	326.34	178.85	0.050	141.74
	23	190.3	334.8	60.3	111.97	90.00	26.31	326.33	178.94	0.050	141.84
	24	130.4	208.8	40.4	111.81	90.00	26.31	326.16	178.14	0.050	141.82
	25	130.8	186.3	50.8	111.75	90.00	26.31	326.12	178.18	0.050	141.85
	26	115.1	179.6	31.1	111.67	90.00	26.31	326.09	178.21	0.050	141.97
	27	107.5	167.8	17.5	111.41	90.00	26.31	326.06	178.34	0.050	141.99
	28	109.8	162.0	13.8	111.37	90.00	26.31	326.04	178.36	0.050	142.00
	29	115.1	179.6	31.1	111.67	90.00	26.31	326.09	178.21	0.050	141.97
	30	111.3	177.7	23.3	111.44	90.00	26.31	326.08	178.23	0.050	141.84
Dec.	1	114.7	221.9	34.7	111.81	90.00	26.31	326.09	178.97	0.050	141.82
	2	107.2	171.3	17.2	112.35	90.00	26.31	326.04	178.40	0.050	141.51
	3	93.6	277.3	7.2	112.16	73.40	18.76	326.00	180.87	0.051	139.33
	4	43.4	162.8	7.2	111.49	90.00	26.31	326.00	183.51	0.050	139.31
	5	107.2	247.8	17.2	112.04	90.00	26.31	326.04	178.81	0.050	141.71
	6	87.2	341.2	7.2	112.45	90.00	26.31	326.00	184.34	0.050	131.33
	7	74.0	279.5	7.2	112.16	46.80	15.54	326.00	191.30	0.050	133.95
	8	71.1	269.4	7.2	111.81	43.80	14.22	326.00	192.97	0.050	139.84
	9	71.1	174.7	7.2	111.46	43.80	14.22	326.00	195.12	0.050	139.75
	10	78.6	199.6	7.2	111.67	42.70	14.26	326.00	198.87	0.050	138.28
	11	102.5	280.0	12.3	112.19	90.00	26.31	326.13	178.17	0.050	141.85
	12	119.4	336.2	17.4	111.72	90.00	26.31	326.11	178.68	0.050	141.63
	13	105.3	228.1	13.3	112.04	90.00	26.31	326.04	178.80	0.050	141.74
	14	90.1	174.7	7.2	111.46	31.80	12.36	326.00	193.98	0.050	139.67
	15	76.7	147.3	7.2	111.48	71.50	17.89	326.00	198.71	0.051	131.18
	16	72.0	146.3	7.2	111.41	64.50	16.42	326.00	199.84	0.050	131.23
	17	48.3	123.5	7.2	111.33	61.50	15.00	326.00	194.67	0.050	130.42
	18	64.4	111.4	7.2	111.34	79.30	12.31	326.00	197.54	0.050	130.27
	19	87.2	123.5	7.2	111.33	60.00	12.38	326.00	181.30	0.050	130.67
	20	98.5	177.8	8.6	111.44	90.00	26.31	326.21	178.16	0.050	141.84
	21	73.0	133.4	7.2	111.32	63.80	15.88	326.00	192.40	0.050	131.81
	22	63.1	175.3	7.2	111.40	54.50	11.94	326.00	194.54	0.050	132.94
	23	54.9	168.7	7.2	111.31	49.70	8.80	326.00	199.09	0.050	132.55
	24	52.2	102.7	7.2	111.21	41.80	7.69	326.00	202.74	0.050	134.96
	25	30.4	94.7	7.2	111.17	43.30	6.50	326.00	201.33	0.050	132.88
	26	44.4	94.3	7.2	111.16	38.80	5.86	326.00	201.11	0.050	132.65
	27	13.8	96.3	7.2	111.46	34.60	4.67	326.00	201.18	0.050	132.61
	28	38.1	84.3	7.2	111.09	30.90	3.73	326.00	204.55	0.050	134.32
	29	31.5	78.5	7.2	111.04	28.50	2.79	326.00	203.17	0.050	132.32
	30	41.0	72.9	7.2	111.00	33.80	3.96	326.00	204.02	0.050	131.41
	31	45.7	72.9	7.2	111.00	38.50	5.16	326.00	202.84	0.050	131.22

## POWER GENERATION SIMULATION

Year: 1964

Dune Ash B  
P.L. = 100.00 mRoad Head : 179.30 m  
Min. Plant Discharge : 90.00 cwa

Installed Capacity : 1415 MW

		Discharge Dun (cwa)	Discharge P&I (cwa)	R&P or T&I Spillage water level m (cwa)	Plant Q (cwa)	Loss	Raw level	Effluent Head b Unit m	Effluent Unit m	Output MW	Month y Ave MW
Jan.	1	35.1	81.5	7.2	111.06	47.9	7.99	319.00	199.91	0.874	61.90
	2	41.7	91.9	7.2	111.13	34.5	10.34	319.00	197.53	0.882	94.14
	3	36.8	82.7	7.2	111.07	48.0	8.29	319.00	199.44	0.877	83.08
	4	49.4	72.9	7.2	111.00	42.2	6.20	319.00	201.80	0.831	71.03
	5	47.5	70.1	7.2	110.98	49.5	5.64	319.00	202.34	0.843	67.34
	6	45.7	67.4	7.2	110.94	34.5	4.16	319.00	202.84	0.908	68.13
	7	43.8	64.6	7.2	110.94	34.6	4.67	319.00	203.39	0.903	64.77
	8	44.6	68.8	7.2	110.97	39.4	5.41	319.00	203.62	0.900	70.00
	9	37.2	55.0	7.2	110.88	30.0	3.13	319.00	204.99	0.907	54.08
	10	34.7	51.2	7.2	110.85	27.5	2.85	319.00	205.11	0.889	48.75
	11	32.0	47.5	7.2	110.80	24.8	2.14	319.00	206.03	0.884	44.20
	12	32.9	48.5	7.2	110.83	25.7	2.30	319.00	205.87	0.880	44.11
	13	34.7	51.2	7.2	110.83	27.5	2.63	319.00	205.51	0.889	49.78
	14	32.9	48.5	7.2	110.83	25.7	2.30	319.00	205.87	0.890	44.14
	15	31.2	44.0	7.2	110.82	24.0	2.01	319.00	206.18	0.879	43.43
	16	28.4	43.3	7.2	110.80	22.2	1.73	319.00	206.49	0.846	38.86
	17	28.4	43.3	7.2	110.80	22.2	1.72	319.00	206.49	0.844	38.86
	18	34.7	51.2	7.2	110.83	27.5	2.63	319.00	205.51	0.889	49.78
	19	31.2	44.0	7.2	110.82	24.0	2.01	319.00	206.18	0.879	43.43
	20	34.1	38.6	7.2	110.76	18.9	1.34	319.00	206.99	0.834	31.98
	21	36.6	43.3	7.2	110.79	21.4	1.39	319.00	206.62	0.839	37.31
	22	32.8	48.5	7.2	110.83	25.7	2.30	319.00	205.87	0.880	44.14
	23	30.1	57.7	7.2	110.90	31.9	3.54	319.00	204.54	0.911	58.34
	24	32.9	48.5	7.2	110.83	25.7	2.30	319.00	205.87	0.880	44.14
	25	32.9	48.5	7.2	110.83	25.7	2.30	319.00	205.87	0.880	44.14
	26	37.2	55.0	7.2	110.84	30.0	3.13	319.00	204.99	0.907	54.08
	27	31.2	44.0	7.2	110.82	24.0	2.01	319.00	206.18	0.879	43.43
	28	33.7	49.8	7.2	110.84	24.8	2.45	319.00	205.71	0.894	47.77
	29	31.0	47.3	7.2	110.82	24.8	2.14	319.00	206.03	0.884	44.20
	30	28.6	43.2	7.2	110.79	21.4	1.39	319.00	206.62	0.839	37.31
	31	26.1	34.6	7.2	110.74	18.9	1.34	319.00	206.99	0.834	31.98
Feb.	1	32.9	48.5	7.2	110.81	25.7	2.30	319.00	205.89	0.880	44.00
	2	102.3	78.5	12.3	111.04	90.0	36.31	319.03	179.79	0.288	142.00
	3	41.4	107.8	7.2	111.01	58.2	11.85	319.00	195.60	0.800	100.34
	4	45.7	114.9	7.2	111.29	36.3	5.16	319.00	202.55	0.805	68.04
	5	38.1	77.3	7.2	111.03	31.9	3.54	319.00	204.43	0.911	58.30
	6	34.4	61.9	7.2	110.93	28.2	2.97	319.00	205.11	0.905	52.12
	7	38.1	54.3	7.2	110.87	30.9	3.23	319.00	204.80	0.900	54.30
	8	92.9	96.7	7.2	111.16	82.7	25.38	319.00	182.24	0.282	138.24
	9	72.0	111.4	7.2	111.24	64.6	14.62	319.00	193.12	0.282	111.42
	10	51.3	96.7	7.2	111.17	44.1	6.77	319.00	201.09	0.839	74.66
	11	38.1	75.1	7.2	111.01	31.9	3.54	319.00	204.44	0.911	58.30
	12	38.4	41.9	7.2	110.97	25.2	1.72	319.00	204.54	0.846	38.86
	13	32.9	54.3	7.2	110.87	25.7	2.30	319.00	205.83	0.880	44.13
	14	42.1	60.0	7.2	110.91	35.6	4.41	319.00	203.87	0.830	64.67
	15	45.4	106.2	7.2	111.22	58.2	11.80	319.00	195.60	0.288	100.39
	16	74.9	182.6	7.2	111.49	67.7	15.96	319.00	191.35	0.230	115.84
	17	61.7	136.3	7.2	111.41	34.5	10.34	319.00	197.24	0.862	93.98
	18	104.3	159.4	14.3	111.53	90.0	36.31	319.04	179.51	0.286	142.00
	19	130.8	202.2	40.9	112.21	90.0	36.31	319.16	178.74	0.289	141.67
	20	107.2	262.8	17.2	112.12	90.0	36.31	319.06	179.73	0.289	141.66
	21	74.9	182.6	7.2	111.57	67.7	15.96	319.00	191.47	0.230	115.83
	22	63.3	125.2	7.2	111.34	54.3	11.04	319.00	196.62	0.896	97.21
	23	34.1	96.7	7.2	111.17	44.1	6.76	319.00	203.17	0.839	80.03
	24	43.8	86.3	7.2	111.09	34.6	4.67	319.00	202.24	0.846	68.23
	25	44.6	81.7	7.2	111.06	39.4	5.41	319.00	202.57	0.900	70.38
	26	44.7	81.7	7.2	111.01	37.5	4.90	319.00	203.09	0.904	67.44
	27	41.9	78.7	7.2	110.99	34.7	4.13	319.00	203.82	0.911	61.13
	28	38.1	64.1	7.2	110.94	30.9	3.23	319.00	204.73	0.909	54.77
	29	35.7	60.0	7.2	110.91	28.3	2.83	319.00	205.14	0.903	51.75
Mar.	1	37.2	51.1	7.2	110.90	30.0	3.13	319.00	204.97	0.907	54.07
	2	44.7	51.1	7.2	110.90	37.5	4.90	319.00	203.20	0.904	67.67
	3	45.7	77.3	7.2	111.03	36.3	5.16	319.00	202.81	0.909	68.13
	4	42.8	96.7	7.2	111.17	35.6	4.41	319.00	203.41	0.910	64.39
	5	38.1	73.1	7.2	111.01	30.9	3.23	319.00	204.64	0.908	54.35
	6	38.1	68.5	7.2	110.97	31.9	3.54	319.00	204.49	0.911	58.32
	7	39.1	64.3	7.2	110.96	31.9	3.54	319.00	204.50	0.911	58.32
	8	34.7	72.8	7.2	111.00	27.5	2.63	319.00	205.37	0.899	49.74
	9	32.0	60.0	7.2	110.91	24.8	2.14	319.00	205.95	0.884	44.27
	10	29.4	54.3	7.2	110.87	22.2	1.72	319.00	206.41	0.845	38.87
	11	27.8	32.4	7.2	110.84	20.6	1.48	319.00	206.64	0.831	33.32
	12	34.5	48.6	7.2	110.83	17.5	1.84	319.00	207.12	0.816	28.65
	13	35.4	44.7	7.2	110.82	18.2	1.35	319.00	207.03	0.828	30.51
	14	43.8	30.5	7.2	110.85	34.6	4.67	319.00	202.49	0.898	64.30
	15	43.4	70.7	7.2	110.89	34.2	20.22	319.00	187.79	0.211	127.72
	16	44.4	136.3	7.2	111.41	58.2	12.33	319.00	191.36	0.281	102.18
	17	51.3	107.7	7.2	111.21	44.1	6.77	319.00	201.02	0.839	74.64
	18	42.8	81.7	7.2	111.04	35.6	4.41	319.00	203.53	0.910	64.63
	19	37.2	64.1	7.2	110.94	30.0	3.13	319.00	204.97	0.907	54.06
	20	31.2	54.3	7.2	110.87	24.0	2.01	319.00	206.18	0.879	43.42
	21	27.8	32.4	7.2	110.86	18.8	1.37	319.00	206.77	0.843	31.84
	22	35.4	48.6	7.2	110.83	18.2	1.35	319.00	207.01	0.828	30.51
	23	23.6	44.7	7.2	110.82	16.6	0.94	319.00	207.22	0.807	27.21
	24	19.8	44.7	13.8	110.82	0.0	0.35	319.00	207.63	0.000	0.00
	25	21.4	30.5	11.4	110.83	0.0	0.70	319.00	207.45	0.000	0.00
	26	24.1	32.4	7.2	110.86	18.9	1.34	319.00	206.99	0.834	31.96
	27	32.0	30.5	7.2	110.83	15.8	0.87	319.00	207.28	0.797	25.78
	28	34.4	31.4	7.2	110.84	28.2	2.97	319.00	205.17	0.905	52.14
	29	31.3	71.9	7.2	111.00	44.1	6.77	319.00	201.09	0.839	74.74
	30	80.6	133.5	7.2	111.40	71.4	16.76	319.00	188.84	0.212	127.81
	31	35.1	111.2	7.2	111.27	47.9	7.99	319.00	199.74	0.873	61.96

Date	Discharge Dun (cwa)	Discharge P&I (cwa)	R&P or T&I Spillage water level m (cwa)	Plant Q (cwa)	Loss	Raw level	Effluent Head b Unit m	Effluent Unit m	Output MW	Month y Ave MW
Apr. 1	49.3	77.3	7.2	111.03	42.20	6.20	319.00	201.74	0.832	71.23
2	39.7	61.9	7.2	110.93	32.90	5.08	319.00	201.40	0.911	58.32
3	33.6	52.4	7.2	110.84	24.00	2.43	319.00	205.71	0.894	47.36
4	52.4	30.5	7.2	110.85	25.20	2.31	319.00	205.84	0.887	45.11
5	52.4	30.5	7.2	110.85	25.20	2.31	319.00	205.84	0.887	45.11
6	31.1	48.6	7.2	110.83	23.90	1.99	319.00	206.18	0.879	43.43
7	55.3	84.3	7.2	111.09	48.00	8.06	319.00	199.35	0.274	82.35
8	55.3	81.7	7.2	111.04	45.00	7.08	319.00	200.86	0.283	76.64
9	43.9	68.5	7.2	110.97	34.70	4.89	319.00	202.34	0.908	64.42
10	37.2	54.1	7.2	110.90	30.00	3.13	319.00	204.97	0.907	54.07
11	43.9	68.5	7.2	110.97	34.70	4.89	319.00	202.34	0.908	64.42
12	37.2	54.1	7.2	110.90	30.00	3.13	319.00	204.97	0.907	54.07
13	35.6	52.4	7.2	110.84	24.00	2.43	319.00	205.71	0.894	47.36
14	33.6	52.4	7.2	110.84	24.00	2.43	319.00	205.71	0.894	47.36
15	33.6	52.4	7.2	110.84	24.00	2.43	319.00	205.71	0.894	47.36
16	34.9	54.5	7.2	110.87	27.60	2.65	319.00	205.47	0.899	49.07
17	34.9	54.5	7.2	110.87	27.60	2.65	319.00	205.47	0.899	49.07
18	36.7	61.9	7.2	110.93	32.90	3.68	319.00	204.40	0.911	59.32
19	36.7	61.9	7.2	110.93	32.90	3.68	319.00	204.40	0.911	59.32
20	48.1	75.1	7.2	111.01	40.80	5.83	319.00	202.16	0.883	64.30
21	50.9	78.5	7.2	111.04	43.70	6.43	319.00	201.30	0.836	73.94
22	50.9	78.5	7.2	111.04	43.70	6.43	319.00	201.30	0.836	73.94
23	36.3	56.7	7.2	111.17	54.00	10.92	319.00	196.91	0.295	76.96
24	34.6	54.7	7.2	111.18	47.40	24.62	319.00	180.91	0.001	139.48
25	103.1	166.3	10.1	111.34	90.00	28.21	319.62	179.37	0.098	142.00
26	78.4	122.5	7.2	111.33	71.20	17.66	319.00	190.02	0.012	120.84
27	63.2	96.7	7.2	111.17	54.00	10.92	319.00	194.91	0.286	96.78
28	136.5	194.4	34.5	111.76	90.00	28.21	319.19	179.17	0.090	141.84
29	156.9	240.5	76.9	121.10	90.00	28.21	319.28	179.07	0.096	161.91
30	134.5	194.4	34.5	111.76	90.00	28.21	319.13	179.17	0.099	161.94
May 1	278.4	434.1	186.4	112.76	90.00	28.21	319.57	178.40	0.098	141.54
2	330.1	486.6	220.1	112.88	90.00	28.21	319.64	178.34	0.099	141.54
3	220.8	344.6	103.3	112.44	90.00	28.21	319.43	178.76	0.099	141.68
4	130.9	236.6	60.3	111.97	90.00	28.21	319.23	179.04	0.098	141.64
5	117.0	182.6	27.0	111.68	90.00	28.21	319.10	179.20	0.098	141.94
6	138.4	203.3	34.4	111.79	90.00	28.21	319.15	179.15	0.098	141.94
7	145.3	241.1	44.5	112.01	90.00	28.21	319.24	179.02	0.098	141.83
8	124.5	196.4	34.5	111.76	90.00	28.21	319.13	179.17	0.099	141.84
9	94.5	158.6	7.2	111.30	90.00	27.77	319.00	179.72	0.098	141.60
10	82.0	126.0	7.2	111.34	74.80	18.49	319.80	188.15	0.011	125.40
11	114.2	114.2	7.2	111.27	63.50	15.12	319.00	192.60	0.039	113.11
12	64.8	101.2	7.2	111.19	57.60	11.25	319.00	196.26	0.099	99.97
13	60.1	95.8	7.2	111.14	52.90	8.75	319.00	198.11	0.088	91.34
14	55.3	84.3	7.2	111.09	48.00	8.06	319.00	199.35	0.274	82.35
15	52.3	81.7	7.2	111.04	45.00	7.08	319.00	200.86	0.283	76.64
16	44.7	72.9	7.2	111.00	39.90	5.43	319.00	202.57	0.900	70.23
17	41.1	64.1	7.2	110.94	35.80	4.20	319.00	204.04	0.912	61.80
18	41.1	64.1	7.2	110.94	35.80	4.20	319.00	204.04	0.912	61.80
19	36.7	61.9	7.2	110.93	32.90	3.68	319.00	204.40	0.911	59.32
20	34.5	60.0	7.2	110.91	31.30	3.41	319.00	204.64	0.910	57.13
21	38.1	60.0	7.2	110.91	31.30	3.41	319.00	204.64	0.910	57.13
22	37.2	58.1	7.2	110.90	30.00	3.13	319.00	204.97	0.907	54.07
23	37.2	58.1	7.2	110.90	30.00	3.13	319.00	204.97	0.907	54.07
24	34.0	54.2	7.2	110.89	28.50	2.89	319.00	205.23	0.904	52.65
25	31.1	48.6	7.2	110.83	23.90	1.99	319.00	206.18	0.879	43.43
26	28.7	44.6	7.2	110.81	21.80	1.61	319.00	206.53	0.860	37.42
27	27.5	42.9	7.2	110.79	20.20	1.44	319.00	206.77	0.846	34.90
28	24.5	41.4	7.2	110.78	19.30	1.30	319.00	206.92	0.838	32.81
29	24.5	38.7	7.2	110.77	18.30	1.17	319.00	207.04	0.828	30.73
30	24.5	38.7	7.2	110.76	17.30	1.04	319.00	207.20	0.814	28.66
31	23.5	34.7	7.2	110.75	16.20	0.92	319.00	207.32	0.804	26.61
Jun. 1	23.5	34.7	7.2	110.75	16.20	0.92	319.00	207.32	0.804	26.61
2	23.5	35.1	22.5	110.74	0.00	0.82	319.00	207.44	0.000	0.00
3	23.5	34.7	7.2	110.75	16.20	0.92	319.00	207.32	0.804	26.61
4	23.5	38.7	7.2	110.77	18.30	1.17	319.00	207.04	0.828	30.73
5	23.5	38.7	7.2	110.77	18.30	1.17	319.00	207.04	0.828	30.73
6	23.5	34.7	7.2	110.75	16.20	0.92	319.00	207.32	0.804	26.61
7	22.5	35.1	22.5	110.74	0.00	0.82	319.00	207.44	0.000	0.00
8	22.5	35.1	22.5	110.74	0.00	0.82	319.00	207.44	0.000	0.00
9	23.5	34.7	7.2	110.75	16.20	0.92	319.00	207.32	0.804	26.61
10	22.7	44.3	7.2	110.81	21.30	1.61	319.00	206.54	0.840	37.41
11	69.4	108.6	7.2	111.24	64.40	13.56	319.00	194.30	0.056	107.60
12	64.4	103.7	7.2	111.21	58.20	12.21	319.00	195.39	0.052	102.30
13	61.7	95.8	7.2	111.16	54.00	10.92	319.00	196.48	0.050	94.13
14	56.5	88.6	7.2	111.10	49.30	9.77	319.00	197.72	0.049	84.10
15	50.2	121.2	7.2	111.34	71.00	18.56	319.00	189.19	0.012	121.32
16	64.0	106.2	7.2	111.22	60.80	12.87	319.00	194.90	0.054	104.98
17	54.5	91.3	7.2	111.12	51.30	9.17	319.00	198.71	0.044	84.32
18	50.9	78.5	7.2	111.04	43.70	6.43	319.00	201.30	0.836	73.94
19	45.9	66.5	7.2	110.97	34.70	4.89	319.00	202.34	0.908	64.42
20	34.5	60.0	7.2	110.91	31.30	3.41	319.00	204.64	0.910	57.13
21	34.8	54.3	7.2	110.87	27.60	2.65	319.00	205.47	0.899	49.07
22	33.6	52.4	7.2	110.84	24.00	2.43	319.00	205.71	0.894	47.36
23	33.6	52.4	7.2	110.84	24.00	2.43	319.00	205.71	0.894	47.36
24	34.8	54.3	7.2	110.87	27.60	2.65	319.00	205.47	0.899	49.07
25	39.7	61.9	7.2	110.93	32.90	3.68	319.00	204.40	0.911	59.32
26	44.4	102.7	7.2	111.31	90.20	12.31	319.00	195.59	0.051	103.30
27	41.7	91.6	7.2	111.26	84.20	10.34	319.00	196.50	0.043	94.13
28	50.9	78.5	7.2	111.04	43.70	6.43	319.00	201.30	0.836	73.94
29	45.9	66.5	7.2	110.97	34.70	4.89	319.00	202.34	0.908	64.42
30	39.7	61.9	7.2	110.93	32.90	3.68	319.00	204.40	0.911	59.32

POWER GENERATION SIMULATION

Year: 1994  
FSL: 100.00 m

Rated Head: 179.30 m  
Max. Plant Discharge: 90.00 m³/s

Installed Capacity: 142.0 MW

		Discharge Den (cms)	Discharge FPA (cms)	RMP or Tull Spillage water (cms)	Plant Q level in Lms	Raw level Lms	Efflux Head h Unit m	Efflux Unit m³/s	Output MW	Month y Ave. MW
Jul	1	97.3	58.1	72.10050	30.0	3.13	319.00	204.97	1.0007	54.87
	2	94.8	54.3	72.10057	27.6	2.63	319.00	205.47	1.0009	49.97
	3	94.8	54.3	72.10057	27.6	2.63	319.00	205.47	1.0009	49.97
	4	94.8	60.0	72.10051	31.3	3.41	319.00	204.54	1.0010	57.13
	5	41.1	64.1	72.10084	31.9	4.00	319.00	204.04	1.0013	61.80
	6	37.3	58.1	72.10050	30.0	3.13	319.00	204.97	1.0007	54.87
	7	48.1	75.1	72.11101	40.9	3.83	319.00	202.16	2.0045	68.30
	8	44.7	72.9	72.11100	39.5	3.63	319.00	202.57	1.0040	70.33
	9	48.1	75.1	72.11101	40.9	3.83	319.00	202.16	2.0045	68.30
	10	33.9	64.3	72.11109	48.1	8.06	319.00	199.83	2.0074	83.35
	11	48.5	77.3	72.11103	42.3	4.23	319.00	201.74	2.0030	71.23
	12	43.9	64.3	72.10057	24.7	4.49	319.00	203.34	1.0008	64.43
	13	42.3	64.3	72.10056	24.3	4.34	319.00	203.71	1.0011	64.17
	14	39.7	61.9	72.10053	32.5	3.64	319.00	204.40	1.0011	64.17
	15	34.3	60.0	72.10051	31.3	3.41	319.00	204.44	1.0010	57.13
	16	57.3	58.1	72.10050	30.0	3.13	319.00	204.97	1.0007	54.87
	17	34.8	54.3	72.10057	27.6	2.63	319.00	205.47	1.0009	49.97
	18	33.4	52.4	72.10054	34.4	2.43	319.00	205.71	1.0004	47.56
	19	33.4	50.5	72.10053	33.3	2.31	319.00	204.94	1.0007	45.11
	20	28.9	44.7	72.10052	32.7	1.79	319.00	204.99	1.0010	39.32
	21	28.7	44.8	72.10051	31.3	1.61	319.00	204.54	1.0010	37.41
	22	27.5	43.9	72.10059	30.3	1.64	319.00	204.77	1.0046	34.80
	23	27.5	43.9	72.10059	30.3	1.64	319.00	204.77	1.0046	34.80
	24	28.7	44.8	72.10051	31.3	1.61	319.00	204.54	1.0010	37.41
	25	94.6	147.7	72.11148	97.4	6.62	319.00	195.81	2.0001	194.44
	26	100.3	234.6	60.3	111.97	90.0	28.21	179.04	2.0008	141.84
	27	117.0	102.6	27.0	111.69	90.0	28.21	179.30	2.0004	141.94
	28	45.5	115.5	72.11140	78.3	3.33	319.00	186.35	2.0010	130.03
	29	68.0	106.3	72.11122	68.8	12.87	319.00	194.90	2.0004	104.94
	30	60.1	93.8	72.11114	73.9	8.73	319.00	186.11	2.0004	91.34
	31	30.9	78.1	72.11104	43.7	6.62	319.00	201.29	2.0008	71.94
Aug	1	48.5	77.3	72.11103	42.3	4.23	319.00	201.74	2.0030	71.23
	2	53.7	85.0	72.11077	45.5	7.23	319.00	200.40	2.0040	78.32
	3	101.5	167.8	17.5	111.61	90.0	28.21	179.04	2.0004	141.84
	4	124.5	194.4	34.5	111.74	90.0	28.21	179.17	2.0005	141.94
	5	101.9	199.1	11.9	111.53	90.0	28.21	179.07	2.0008	142.00
	6	83.8	150.7	72.11134	76.6	3.44	319.00	187.19	2.0011	127.87
	7	74.9	114.9	72.11129	67.7	3.96	319.00	191.75	2.0010	115.23
	8	44.0	104.3	72.11122	60.8	12.87	319.00	194.90	2.0004	104.94
	9	41.7	94.3	72.11116	54.5	10.34	319.00	197.00	2.0003	94.13
	10	34.9	88.8	72.11111	48.7	8.40	319.00	199.29	2.0019	83.35
	11	48.5	77.3	72.11103	42.3	4.23	319.00	201.74	2.0030	71.23
	12	44.7	72.9	72.11100	39.5	3.63	319.00	202.57	1.0040	70.33
	13	48.1	75.1	72.11101	40.9	3.83	319.00	202.16	2.0045	68.30
	14	39.7	61.9	72.11101	40.9	3.83	319.00	202.16	2.0045	68.30
	15	48.1	75.1	72.11101	40.9	3.83	319.00	202.16	2.0045	68.30
	16	44.7	72.9	72.11100	39.5	3.63	319.00	202.57	1.0040	70.33
	17	43.9	64.3	72.10057	24.7	4.49	319.00	203.34	1.0008	64.43
	18	39.7	61.9	72.10053	32.5	3.64	319.00	204.40	1.0011	64.17
	19	41.1	64.1	72.10054	31.9	4.00	319.00	204.04	1.0013	61.80
	20	48.5	77.3	72.11103	42.3	4.23	319.00	201.74	2.0030	71.23
	21	61.7	94.3	72.11116	54.5	10.34	319.00	197.00	2.0019	83.35
	22	58.5	91.3	72.11112	51.3	9.17	319.00	198.71	2.0044	84.32
	23	53.7	85.0	72.11107	44.5	7.23	319.00	199.83	2.0074	83.35
	24	53.7	85.0	72.11107	44.5	7.23	319.00	199.83	2.0074	83.35
	25	53.7	85.0	72.11107	44.5	7.23	319.00	199.83	2.0074	83.35
	26	44.4	102.7	72.11131	78.2	3.22	319.00	195.79	2.0032	102.30
	27	96.3	157.4	8.3	111.32	90.0	28.21	179.23	2.0008	142.00
	28	182.3	300.0	102.3	112.24	90.0	28.21	179.84	2.0004	141.75
	29	104.4	304.9	104.6	112.31	90.0	28.21	178.44	2.0004	141.73
	30	134.5	344.3	64.5	112.02	90.0	28.21	179.01	2.0004	141.84
	31	130.4	339.6	60.4	111.81	90.0	28.21	179.14	2.0008	141.82
Sep	1	107.3	167.8	17.5	111.61	90.0	28.21	179.04	2.0004	141.84
	2	117.0	152.6	27.0	111.99	90.0	28.21	179.30	2.0004	141.94
	3	132.4	204.6	42.4	111.83	90.0	28.21	179.13	2.0004	141.92
	4	109.4	170.8	19.4	111.62	90.0	28.21	179.07	2.0008	141.94
	5	94.6	147.7	72.11144	87.4	3.44	319.00	180.91	2.0001	139.44
	6	87.3	154.3	72.11141	80.1	2.35	319.00	181.34	2.0009	132.13
	7	74.7	119.7	72.11131	68.5	14.02	319.00	190.87	2.0011	113.44
	8	171.1	347.0	81.1	112.13	90.0	28.21	179.29	2.0004	141.80
	9	200.8	377.4	129.8	112.40	90.0	28.21	178.79	2.0005	141.70
	10	180.4	289.7	95.6	112.34	90.0	28.21	178.89	2.0008	141.74
	11	218.4	341.2	128.6	112.41	90.0	28.21	178.74	2.0004	141.68
	12	185.6	289.7	95.6	112.34	90.0	28.21	178.89	2.0008	141.74
	13	182.3	234.6	60.3	111.97	90.0	28.21	179.04	2.0004	141.84
	14	126.5	197.5	34.3	111.76	90.0	28.21	178.14	2.0004	141.93
	15	108.4	170.8	19.4	111.63	90.0	28.21	179.07	2.0004	141.94
	16	96.3	157.4	8.3	111.32	90.0	28.21	179.23	2.0008	142.00
	17	87.3	154.3	72.11141	80.1	2.35	319.00	181.34	2.0009	132.13
	18	74.4	122.5	72.11133	71.2	17.46	319.00	190.03	2.0013	120.84
	19	71.4	111.4	72.11134	64.3	14.39	319.00	190.39	2.0008	120.44
	20	64.4	102.7	72.11121	58.2	12.21	319.00	191.99	2.0022	102.30
	21	61.7	94.3	72.11116	54.5	10.34	319.00	197.00	2.0019	83.35
	22	58.5	91.3	72.11112	51.3	9.17	319.00	198.71	2.0044	84.32
	23	44.8	101.2	72.11119	37.6	11.95	319.00	196.24	2.0059	79.37
	24	68.6	108.4	72.11124	42.4	13.54	319.00	194.30	2.0004	104.94
	25	64.4	105.7	72.11121	39.3	12.21	319.00	195.99	2.0002	100.30
	26	83.8	130.7	72.11135	74.6	20.44	319.00	187.19	2.0011	127.87
	27	103.8	162.0	13.6	111.57	90.0	28.21	179.34	2.0004	142.00
	28	107.8	162.0	13.6	111.57	90.0	28.21	179.34	2.0004	142.00
	29	154.5	241.1	64.5	112.01	90.0	28.21	178.02	2.0004	141.83
	30	152.4	237.9	61.4	111.99	90.0	28.21	178.03	2.0004	141.83

Date		Discharge Den (cfs)	Discharge FPA (cfs)	RMP or Tull Spillage water (cfs)	Plant Q (cfs)	Loss	Raw level	Efflux Head h	Unit m³/s	Efflux Output MW	Month
											y Ave. MW
Oct	1	130.4	232.6	40.4	111.81	90.00	28.21	179.14	2	0.998	141.92
	2	111.3	175.7	31.3	111.64	90.00	28.21	179.08	2	0.998	141.84
	3	94.6	147.7	72	111.42	87.40	24.00	180.91	2	0.901	139.44
	4	83.8	150.7	72	111.34	76.60	24.00	180.91	2	0.911	127.87
	5	71.4	111.4	72	111.36	64.30	14.39	190.39	2	0.908	120.44
	6	68.6	106.2	72	111.22	60.80	12.87	194.90	2	0.904	104.94
	7	61.7	94.3	72	111.14	54.50	10.34	198.00	2	0.902	84.35
	8	52.8	144.9	72	111.67	53.00	9.52	199.00	2	0.904	137.94
	9	160.7	232.8	70.7	112.04	90.00	28.21	179.34	2	0.998	141.93
	10	126.5	197.5	34.3	111.76	90.00	28.21	178.14	2	0.998	141.93
	11	107.3	167.8	17.5	111.61	90.00	28.21	179.04	2	0.998	141.84
	12	94.6	147.7	72	111.42	87.40	24.00	180.91	2	0.901	139.44
	13	78.4	122.5	72	111.37	71.30	17.46	190.01	2	0.913	120.84
	14	68.6	106.2	72	111.24	61.40	13.54	194.30	2	0.904	107.94
	15	60.1	92.8	72	111.14	52.90	9.75	198.00	2	0.906	91.34
	16	57.7	83.9	72	111.07	44.30	7.27	199.00	2	0.906	78.32
	17	50.9	78.3	72	111.04	43.70	6.63	199.00	2	0.906	73.94
	18	48.1	75.1	72	111.01	40.50	5.80	200.16	2	0.941	64.30
	19	44.7	72.9	72	111.00	39.90	5.43	200.85	2	0.900	70.35
	20	43.3	70.7	72	110.99	38.10	5.56	202.94	2	0.904	64.34
	21	40.6	108.6	72	111.24	61.40	13.54	194.30	2	0.906	107.40
	22	100.8	162.8	13.8	111.57	90.00	28.21	179.34	2	0.998	142.00
	23	83.8	150.7	72	111.34	76.60	24.00	180.91	2	0.911	127.87
	24	64.6	101.2	72	111.19	57.60	11.59	199.00	2	0.906	141.84
	25	57.7	83.9	72	111.07	44.30	7.27	199.00	2	0.902	102.35
	26	44.4	505.7	72	111.21	39.20	5.21	200.93	2	0.908	141.68
	27	200.8	150.6	13.8	111.59	90.00	28.21	179.34	2	0.998	141.68
	28	126.4	237.4	62.4	111.99	90.00	28.21	179.34	2	0.998	141.68
	29	91.0	142.0	72	111.43	83.80	24.46	180.91	2	0.902	136.15
	30	122.6	191.9	32.4	111.74	90.00	28.21	179.17	2	0.998	141.94
	31	124.5	194.4	34.5	111.76	90.00	28.21	179.17	2	0.998	141.94
Nov	1	100.1	156.5	10.1	111.54	90.00	28.21	179.02	2	0.998	142.00
	2	74.7	129.7	72	111.31	68.50	16.32	199.00	2	0.911	114.44
	3	64.4	103.7	72	111.31	59.30	12.31	199.00	2	0.902	108.70
	4	54.9	98.8	72	111.11	49.70	8.70	199.00	2	0.902	83.35
	5	54.9	98.8	72	111.11	49.70	8.70	199.00	2	0.902	83.35
	6	48.1	90.9	72	111.14	52.90	9.75	198.00	2	0.908	91.34
	7	55.3	84.3	72	111.28	45.10	8.26	199.00	2	0.904	87.35
	8	48.1	75.1	72	111.01	40.50	5.83	199.00	2	0.943	64.30
	9	41.1	64.1	72	110.94	31.90	4.80	200.86	2	0.912	61.80
	10	36.3	60.0	72	110.91	31.30	3.41	200.80	2	0.910	57.13
	11	34.5	54.3	72	110.87	27.60	2.65	200.90	2	0.909	49.97
	12	33.6	52.4	72	110.84	26.40	2.43	200.90	2	0.904	47.56
	13	32.4	50.5	72	110.85	25.20	2.21	200.90	2	0.897	45.11
	14	31.1	44.6	72	110.83	23.80	1.99	200.80	2	0.917	42.42
	15	32.6	52.4	72	110.84	26.40	2.43	200.80	2	0.904	47.56
	16	32.4	50.5	72	110.85	25.20	2.21	200.90	2	0.897	45.11
	17	31.1	44.6	72	110.83	23.80	1.99	200.80	2	0.917	42.42
	18	32.4	50.5	72	110.85	25.20	2.21	200.90	2	0.897	45.11
	19	31.6	52.4	72	110.86	26.40	2.43	200.80	2	0.904	47.56
	20	31.6	52.4	72	110.86	26.40	2.43	200.80	2	0.904	47.56
	21	31.6	52.4	72	110.86	26.40	2.43	200.80	2	0.904	47.56
	22	34.0	54.3	72	110.89	28.80	2.80	200.80	2	0.904	52.37
	23	31.6	52.4	72	110.84	26.40	2.43	200.90	2	0.904	47.56
	24	28.9	44.7	72	110.83	22.70	1.79	200.90	2	0.902	39.82
	25	34.5	41.4	72	110.79	19.30	1.39	200.80	2	0.904	52.31
	26	25.5	36.7	72	110.77	11.30	1.17	200.90	2	0.908	30.73
	27	23.5	34.7	72	110.73	14.70	0.93	200.90	2	0.904	24.61
	28	27.5	42.9	72	110.79	20.30	1.44	200.80	2	0.904	34.90
	30	34.9	54.3	72	110.87	27.60	2.43	200.90	2	0.909	49.97
Dec	1	44.7	72.9	72	111.00	39.30	5.43	199.00	2	0.900	70.35
	2	40.1	59.8	72	111.14	32.90	9.75	199.00	2	0.906	91.34
	3	73.1	114.2	72	111.27	65.90	15.32	179.00	2	0.909	131.11
	4	94.6	147.7	72	111.44	87.40	24.00	180.91	2	0.901	139.44
	5	82.0	150.7	72	111.34	74.80	24.00	180.91	2	0.911	127.87
	6	60.1	93.8	72	111.14	52.90	9.75	198.00	2	0.908	91.34
	7	43.3	70.7	72	110.99	38.10	5.56	202.94	2	0.904	64.34
	8	34.3	60.0	72	110.91	31.30	3.41	200.80	2	0.910	57.13
	9	31.6	52.4	72	110.84	26.40	2.43	200.90	2	0.904	47.56
	10	32.4	50.5	72	110.85	25.20	2.21	200.90	2	0.897	45.11
	11	32.4	50.5	72	110.85	25.20	2.21	200.90	2	0.897	45.11
	12	31.6	52.4	72	110.84	26.40	2.43	200.80	2	0.904	47.56
	13	34.9	54.3	72	110.87	27.60	2.43	200.90	2	0.909	49.97
	14	41.1	64.1	72	110.94	31.90	4.80	200.80	2	0.912	61.80
	15	38.7	61.9	72	110.93	32.50	3.48	200.80	2	0.911	59.32
	16	31.6	52.4	72	110.84	26.40	2.43	200.80	2	0.904	47.56
	17	27.5	42.9	72	110.79	20.30	1.44	200.80	2	0.906	34.90
	18	26.5	41.4	72	110.78	19.30	1.39	200.80	2	0.908	32.81
	19	31.5	36.7	72	110.77	18.30	1.17	200.80	2	0.908	30.73
	20	24.5	34.2	72	110.76	17.30	1.04	200.80	2	0.914	26.64
	21	22.5	33.1	72	110.74	15.90	0.83	200.80	2	0.900	8.00
	22	31.6	52.4	72	110.84	26.40	2.43	200.90	2	0.904	47.56
	23	39.7	61.9	72	110.93	32.50	3.48	200.80	2	0.911	59.32
	24	34.3	60.0	72	110.91	31.30	3.41	200.80	2	0.910	57.13
	25	34.8	54.3	72	110.87	27.60	2.43	200.80	2	0.909	49.97
	26	31.6	52.4	72	110.86	26.40	2.43	200.80	2	0.904	47.56
	27	31.4	50.5	72	110.85	25.20	2.21	200.90	2	0.897	45.11
	28	31.4	50.5	72	110.85	25.20	2.21	200.90	2	0.897	45.11
	29	31.4	50.5	72	110.85	25.20	2.21	200.90	2	0.897	45.11
	30	31.4	50.5	72	110.85	25.20	2.21	200.90	2	0.897	45.11
	31	31.4	50.5	72	110.85	25.20	2.21	200.90	2	0.897	45.11

# POWER GENERATION SIMULATION

Year: 1955

Don Air 6  
P.L.L. - 319.00 m

Rated Head : 170.30 m  
Max. Plant Discharge : 90.00 cms

Installed Capacity : 142.0 MW

Date	Discharge (cms)	Discharge PAI (cms)	Spillage water level (cms)	Plant Q level (cms)	Loss	Raw level	Blow Head h	Blow Unit	Output MW	Month Y A.W.
Jan 1	34.8	54.3	7.2	10.87	37.4	3.63	319.00	205.47	1 0.989	49.97
2	28.7	44.8	7.2	10.81	21.5	1.41	319.00	204.58	1 0.840	37.41
3	27.5	43.9	7.2	10.79	20.3	1.44	319.00	204.77	1 0.848	34.90
4	31.4	50.5	7.2	10.85	35.3	2.21	319.00	205.94	1 0.887	43.11
5	37.2	58.1	7.2	10.90	50.0	3.15	319.00	204.97	1 0.907	54.67
6	31.1	48.4	7.2	10.83	23.9	1.99	319.00	204.18	1 0.870	42.42
7	23.5	39.7	7.2	10.77	18.3	1.17	319.00	207.06	1 0.828	30.73
8	23.5	39.7	7.2	10.75	16.3	0.93	319.00	207.32	1 0.804	24.61
9	24.5	41.4	7.2	10.79	19.3	1.30	319.00	206.93	1 0.836	32.81
10	27.5	43.9	7.2	10.79	20.3	1.44	319.00	206.77	1 0.848	34.90
11	24.5	39.7	7.2	10.76	17.3	1.04	319.00	207.20	1 0.815	28.64
12	31.5	53.3	7.2	10.75	30.0	0.71	319.00	207.54	0 0.000	0.00
13	23.5	39.7	7.2	10.75	16.3	0.93	319.00	207.32	1 0.804	24.61
14	27.5	43.9	7.2	10.79	20.3	1.44	319.00	206.77	1 0.848	34.90
15	23.5	39.7	7.2	10.74	0.0	0.82	319.00	207.44	0 0.000	0.00
16	23.5	39.7	7.2	10.74	0.0	0.82	319.00	207.44	0 0.000	0.00
17	34.5	60.0	7.2	10.91	31.5	3.41	319.00	204.68	1 0.910	57.13
18	23.5	39.7	7.2	10.76	17.3	1.04	319.00	207.20	1 0.815	28.64
19	24.5	41.4	7.2	10.79	19.3	1.30	319.00	206.93	1 0.836	32.81
20	24.5	41.4	7.2	10.75	16.3	0.93	319.00	207.32	1 0.804	24.61
21	31.5	53.3	7.2	10.75	30.0	0.71	319.00	207.54	0 0.000	0.00
22	31.5	53.3	7.2	10.75	30.0	0.71	319.00	207.54	0 0.000	0.00
23	31.5	53.3	7.2	10.75	30.0	0.71	319.00	207.54	0 0.000	0.00
24	31.5	53.3	7.2	10.75	30.0	0.71	319.00	207.54	0 0.000	0.00
25	31.5	53.3	7.2	10.75	30.0	0.71	319.00	207.54	0 0.000	0.00
26	31.5	53.3	7.2	10.75	30.0	0.71	319.00	207.54	0 0.000	0.00
27	31.5	53.3	7.2	10.75	30.0	0.71	319.00	207.54	0 0.000	0.00
28	31.5	53.3	7.2	10.75	30.0	0.71	319.00	207.54	0 0.000	0.00
29	31.5	53.3	7.2	10.75	30.0	0.71	319.00	207.54	0 0.000	0.00
30	31.5	53.3	7.2	10.75	30.0	0.71	319.00	207.54	0 0.000	0.00
31	31.5	53.3	7.2	10.75	30.0	0.71	319.00	207.54	0 0.000	0.00
Feb 1	31.5	53.3	7.2	10.75	30.0	0.71	319.00	207.54	0 0.000	0.00
2	30.5	52.0	7.2	10.73	28.0	0.62	319.00	207.47	0 0.000	0.00
3	20.5	32.0	7.2	10.72	0.0	0.62	319.00	207.87	0 0.000	0.00
4	23.5	39.7	7.2	10.77	18.3	1.17	319.00	207.06	1 0.828	30.73
5	26.5	40.5	7.2	10.78	21.3	1.41	319.00	206.97	1 0.850	37.13
6	31.5	53.3	7.2	10.79	34.7	4.69	319.00	205.34	1 0.900	45.60
7	34.5	52.4	7.2	10.84	34.4	2.43	319.00	205.71	1 0.894	47.56
8	23.5	39.7	7.2	10.77	18.3	1.17	319.00	207.06	1 0.828	30.73
9	20.5	32.0	7.2	10.72	0.0	0.62	319.00	207.87	0 0.000	0.00
10	17.5	27.4	7.2	10.69	0.0	0.37	319.00	207.94	0 0.000	0.00
11	13.9	24.9	7.2	10.67	0.0	0.34	319.00	208.07	0 0.000	0.00
12	14.4	22.5	7.2	10.63	0.0	0.18	319.00	208.17	0 0.000	0.00
13	14.4	22.5	7.2	10.63	0.0	0.18	319.00	208.17	0 0.000	0.00
14	14.4	22.5	7.2	10.63	0.0	0.18	319.00	208.17	0 0.000	0.00
15	14.4	22.5	7.2	10.63	0.0	0.18	319.00	208.17	0 0.000	0.00
16	14.4	22.5	7.2	10.63	0.0	0.18	319.00	208.17	0 0.000	0.00
17	13.4	21.3	7.2	10.64	0.0	0.14	319.00	208.31	0 0.000	0.00
18	16.7	24.1	7.2	10.68	0.0	0.31	319.00	208.01	0 0.000	0.00
19	15.5	20.7	7.2	10.67	18.3	1.17	319.00	207.06	1 0.828	30.73
20	30.5	52.0	7.2	10.72	0.0	0.62	319.00	207.87	0 0.000	0.00
21	16.7	24.1	7.2	10.68	0.0	0.31	319.00	208.01	0 0.000	0.00
22	14.4	22.5	7.2	10.63	0.0	0.18	319.00	208.17	0 0.000	0.00
23	13.4	21.3	7.2	10.64	0.0	0.14	319.00	208.31	0 0.000	0.00
24	22.5	33.1	7.2	10.74	9.0	0.82	319.00	207.44	0 0.000	0.00
25	34.5	52.4	7.2	10.76	17.3	1.04	319.00	207.20	1 0.815	28.64
26	22.5	33.1	7.2	10.74	9.0	0.82	319.00	207.44	0 0.000	0.00
27	27.5	43.9	7.2	10.79	20.3	1.44	319.00	206.77	1 0.848	34.90
28	87.3	136.3	7.2	11.41	80.1	22.35	319.00	181.24	2 0.904	132.13
Mar 1	124.5	194.4	34.5	11.76	90.0	28.21	319.13	179.17	2 0.988	141.94
2	98.3	157.4	33	11.53	90.0	28.21	319.01	179.28	2 0.984	142.00
3	74.7	129.7	32	11.31	69.1	16.32	319.00	180.87	2 0.911	118.44
4	82.0	128.0	32	11.34	74.8	19.48	319.00	180.13	2 0.911	125.89
5	98.3	153.4	33	11.52	90.0	28.21	319.01	179.28	2 0.984	142.00
6	80.2	125.2	32	11.34	73.0	19.36	319.00	180.10	2 0.913	123.53
7	60.1	93.6	7.2	11.14	52.9	9.75	319.00	188.11	2 0.888	91.24
8	53.2	84.3	7.2	11.09	46.1	8.86	319.00	189.25	2 0.874	83.55
9	74.9	114.9	7.2	11.29	67.1	15.96	319.00	191.73	2 0.930	115.83
10	64.4	103.7	7.2	11.21	59.2	14.21	319.00	195.59	2 0.902	102.30
11	74.7	129.7	7.2	11.31	69.1	16.32	319.00	190.87	2 0.911	118.44
12	94.5	151.7	7.2	11.43	81.3	21.05	319.00	192.67	2 0.944	134.71
13	52.3	81.7	7.2	11.09	45.1	7.95	319.00	203.86	2 0.862	74.64
14	41.1	64.1	7.2	10.94	33.9	4.90	319.00	204.05	1 0.812	61.80
15	33.4	52.4	7.2	10.84	24.4	2.43	319.00	205.71	1 0.894	47.56
16	29.9	44.7	7.2	10.82	22.7	1.79	319.00	204.39	1 0.870	39.92
17	27.5	43.9	7.2	10.79	20.3	1.44	319.00	206.77	1 0.848	34.90
18	25.3	39.7	7.2	10.77	18.3	1.17	319.00	207.06	1 0.828	30.73
19	29.9	44.7	7.2	10.82	22.7	1.79	319.00	204.39	1 0.870	39.92
20	27.5	43.9	7.2	10.79	20.3	1.44	319.00	206.77	1 0.848	34.90
21	25.3	39.7	7.2	10.77	18.3	1.17	319.00	207.06	1 0.828	30.73
22	22.5	33.1	7.2	10.74	9.0	0.82	319.00	207.44	0 0.000	0.00
23	22.5	39.7	7.2	10.75	16.3	0.93	319.00	207.32	1 0.804	24.61
24	43.9	64.5	7.2	10.97	34.7	4.49	319.00	203.34	1 0.858	64.42
25	44.0	106.2	7.2	11.32	48.1	12.57	319.00	194.90	2 0.950	154.98
26	23.5	39.7	7.2	10.75	16.3	0.93	319.00	207.32	1 0.804	24.61
27	37.2	58.1	7.2	10.90	50.0	3.15	319.00	204.97	1 0.907	54.67
28	31.1	48.4	7.2	10.83	23.9	1.99	319.00	204.18	1 0.870	42.42
29	24.5	41.4	7.2	10.79	19.3	1.30	319.00	206.93	1 0.836	32.81
30	23.5	39.7	7.2	10.75	16.3	0.93	319.00	207.32	1 0.804	24.61
31	23.5	39.7	7.2	10.75	16.3	0.93	319.00	207.32	1 0.804	24.61

Date	Discharge (cms)	Discharge PAI (cms)	Spillage water level (cms)	Plant Q level (cms)	Loss	Raw level	Blow Head h	Unit	Efficiency %	Output MW	Y A.W. MW
Apr. 1	22.5	33.1	22.5	10.74	0.00	0.82	319.00	207.44	0	0.000	0.00
2	21.5	33.1	21.5	10.73	0.00	0.71	319.00	207.54	0	0.000	0.00
3	20.3	32.0	20.3	10.72	0.00	0.67	319.00	207.67	0	0.000	0.00
4	20.5	32.0	20.5	10.72	0.00	0.62	319.00	207.67	0	0.000	0.00
5	24.5	36.3	7.2	10.76	17.30	1.04	319.00	207.20	1	0.816	28.64
6	27.2	39.1	7.2	10.80	20.00	1.19	319.00	204.97	1	0.807	34.87
7	28.3	43.4	8.3	11.52	30.00	2.83	319.01	179.28	2	0.898	142.00
8	24.9	36.9	7.2	11.29	27.70	1.59	319.00	191.75	2	0.930	113.83
9	23.5	36.3	7.2	11.08	24.80	1.06	319.00	199.85	2	0.874	82.35
10	24.5	39.7	7.2	11.00	26.30	1.43	319.00	202.57	1	0.900	70.53
11	23.5	36.3	7.2	10.96	23.50	1.04	319.00	205.71	1	0.911	64.17
12	23.5	36.3	7.2	11.04	24.10	1.06	319.00	203.64	2	0.840	76.44
13	23.5	36.3	7.2	11.16	24.50	1.04	319.00	197.50	2	0.861	94.13
14	23.5	36.3	7.2	11.09	24.80	0.86	319.00	198.85	2	0.874	82.35
15	23.5	36.3	7.2	11.03	24.30	0.82	319.00	201.74	2	0.832	71.25
16	23.5	36.3	7.2	10.97	24.70	0.69	319.00	203.34	1	0.876	64.43
17	23.5	36.1	7.2	10.90	20.00	0.62	319.00	204.97	1	0.807	34.87
18	23.6	32.4	7.2	10.86	24.40	0.43	319.00	205.71	1	0.894	47.96
19	23.6	32.4	7.2	10.86	24.40	0.43	319.00	205.71	1	0.894	47.96
20	21.1	48.6	7.2	10.83	23.80	0.39	319.00	206.18	1	0.876	42.42
21	27.5	42.9	7.2	10.79	20.50	0.44	319.00	206.77	1	0.848	34.90
22	27.5	42.9	7.2	10.79	20.50	0.44	319.00	206.77	1	0.848	34.90
23	27.5	42.9	7.2	10.79	20.50	0.44	319.00	206.77	1	0.848	34.90
24	24.5	41.4	7.2	10.78	18.30	1.30	319.00	204.92	1	0.838	32.11
25	24.5	39.3	7.2	10.76	17.00	1.04	319.00	207.20	1	0.816	28.64
26	21.7	94.3	7.2	11.16	34.29	10.34	319.00	197.50	2	0.861	94.13
27	11.1	179.6	23.1	11.87	90.00	28.21	319.59	179.21	2	0.898	141.97
28	8.0	181.9	7.2	11.19	83.80	24.46	319.61	181.09	2	0.935	115.99
29	8.9	130.7	7.2	11.38	76.40	20.35	319.00	187.2	2	0.911	137.87
30	13.4	206.6	43.4	11.87	90.00	28.21	319.16	179.13	2	0.896	141.92
May 1	21.6	341.3	128.6	12.47	90.00	28.21	319.42	178.76	2	0.899	141.88
2	21.6	341.3	128.6	12.47	90.00	28.21	319.42	178.76	2	0.899	141.88
3	18.5	286.7	95.4	12.24	90.00	23.21	319.53	178.99	2	0.908	141.76
4	13.4	206.6	43.4	11.83	90.00	28.21	319.16	179.13	2	0.896	141.92
5	10.9	140.6	11.8	11.57	90.00	26.21	319.64	179.36	2	0.904	142.00
6	7.8	181.9	7.2	11.38	76.40	20.35	319.16	179.13	2	0.911	137.87
7	7.8	140.6	7.2	11.29	67.70	18.96	319.00	185.75	2	0.930	113.83
8	6.8	101.2	7.2	11.19	57.40	11.25	319.00	194.26	2	0.906	96.57
9	6.4	103.7	7.2	11.21	58.20	12.23	319.00	195.39	2	0.922	102.30
10	6.4	103.7	7.2	11.21	58.20	12.23	319.00	195.39	2	0.922	102.30
11	13.4	206.6	43.4	11.83	90.00	28.21	319.16	179.13	2	0.898	141.82
12	19.6	304.9	106.6	12.31	90.00	26.21	319.36	178.84	2	0.899	141.73
13	17.1	279.3	83.1	12.15	90.00	26.21	319.36	178.94	2	0.899	141.80
14	31.5	447.9	222.6	12.80	90.00	28.21	319.64	178.33	2	0.898	141.54
15	23.4	633.9	444.2	12.33	90.00	28.21	319.64	178.32	2	0.899	141.40
16	40.1	637.0	311.6	11.88	90.00	28.21	319.82	176.43	2	0.899	141.47
17	24.4	412.6	174.4	12.49	90.00	28.21	319.73	176.43	2	0.899	141.40
18	19.6	286.7	95.4	12.24	90.00	23.21	319.53	178.99	2	0.898	141.76
19	13.4	206.6	43.4	11.84	90.00	28.21	319.21	179.09	2	0.898	141.87
20	12.3	178.5	11.7	11.78	90.00	23.21	319.16	179.16	2	0.898	141.93
21	11.1	151.1	10.1	11.67	90.00	23.21	319.60	179.21	2	0.899	141.97
22	10.8	162.0	13.8	11.57	90.00	26.21	319.64	179.36	2	0.898	142.00
23	9.0	142.0	7.2	11.45	83.80	24.46	319.00	183.00	2	0.907	136.15
24	7.8	116.9	7.2	11.29	67.70	18.96	319.00	191.75	2	0.930	113.83
25	6.8	101.2	7.2	11.19	57.40	11.25	319.00	194.26	2	0.906	96.57
26	6.0	91.8	7.2	11.14	52.80	9.75	319.00	198.11	2	0.908	91.34
27	5.3	86.3	7.2	11.09	48.40	8.06	319.00	199.85	2	0.874	82.35
28	30.9	79.3	7.2	11.04	43.70	6.45	319.00	201.30	2	0.838	73.94
29	46.7	72.9	7.2	11.00	39.50	5.43	319.00	202.57	1	0.900	70.53
30	45.3	70.7	7.2	10.99	38.40	5.04	319.00	202.96	1	0.904	68.54
31	42.9	68.7	7.2	10.97	36.70	4.89	319.00	203.34	1	0.906	66.42
Jun. 1	41.1	66.1	7.2	10.94	35.90	4.00	319.00	204.06	1	0.912	68.00
2	29.7	61.9	7.2	10.93	32.50	3.48	319.00	204.40	1	0.911	59.32
3	38.5	60.0	7.2	10.91	31.30	3.41	319.00	204.60	1	0.910	57.13
4	87.3	196.3	7.2	11.41	80.10	22.25	319.00	183.24	2	0.900	132.13
5	126.5	197.5	36.5	11.78	90.00	28.21	319.16	179.16	2	0.899	141.83
6	96.5	130.6	7.2	11.30	86.30	27.77	319.60	179.72	2	0.899	141.40
7	71.4	111.4	7.2	11.26	64.20	14.35	319.00	195.29	2	0.908	104.48
8	61.7	96.3	7.2	11.16	54.90	10.34	319.00	197.50	2	0.902	94.13
9	53.3	86.3	7.2	11.09	48.40	8.06	319.00	199.85	2	0.874	82.35
10	56.9	88.8	7.2	11.11	49.70	8.40	319.00	199.29	2	0.879	83.35
11	55.3	86.3	7.2	11.09	48.40	8.06	319.00	199.85	2	0.874	82.35
12	53.7	83.9	7.2	11.07	46.40	7.53	319.00	200.14	2	0.869	79.25
13	48.1	72.3	7.2	11.01	40.50	6.41	319.00	202.16	2	0.845	60.90
14	45.9	70.7	7.2	11.00	39.40	5.86	319.00	202.96	2	0.904	68.54
15	44.7	73.9	7.2	11.00	39.50	5.43	319.00	202.57	1	0.900	70.53
16	58.9	91.3	7.2	11.32	51.30	8.17	319.00	198.71	2	0.882	94.13
17	61.7	96.3	7.2	11.16	54.90	10.34	319.00	197.50	2	0.902	94.13
18	53.3	86.3	7.2	11.09	48.40	8.06	319.00	199.85	2	0.874	82.35
19	52.3	81.7	7.2	11.06	45.90	7.08	319.00	200.86	2	0.863	76.44
20	49.5	77.5	7.2	11.02	42.90	6.23	319.00	201.74	2	0.852	71.25
21	43.7	72.9	7.2	11.00	39.50	5.43	319.00	202.57	1	0.900	70.53
22	41.9	68.5	7.2	10.97	36.70	4.89	319.00	203.34	1	0.908	66.42
23	42.1	66.3	7.2	10.96	35.90	4.34	319.00	203.71	1	0.911	64.17
24	29.7	61.9	7.2	10.93	32.50	3.48	319.00	204.40	1	0.911	59.32
25	29.7	61.9	7.2	10.93	32.50	3.48	319.00	204.40	1	0.911	59.32
26	38.5	60.0	7.2	10.91	31.30	3.41	319.00	204.64	1	0.910	57.13
27	34.0	54.3	7.2	10.89	28.80	2.99	319.00	205.23	1	0.904	58.57
28	34.0	54.3	7.2	10.89	28.80	2.99	319.00	205.23	1	0.904	58.57
29	34.0	54.3	7.2	10.87	27.80	2.45	319.00	205.67	1	0.899	49.87
30	33.6	52.4	7.2	10.86	26.40	2.43	319.00	205.71	1	0.894	47.96

## POWER GENERATION SIMULATION

Year: 1965

Dam Alt B  
F.A.L. = 119.00 mElev Head : 179.50 m  
Max. Plant Discharge : 90.00 cms

Installed Capacity : 142.0 MW

		Discharge Dam (cms)	Discharge FAL (cms)	RMP or Tail Spillage water level m (cms)	Plant Q level m (cms)	Flow Loss	Raw level	Revol Head h	Efficiency Unit ary	Output MW	Month	
Jul	1	33.6	32.4	7.3	110.54	24.4	2.43	139.00	203.71	1	0.994	47.94
	2	44.1	75.1	7.2	111.01	40.9	1.83	139.00	202.14	2	0.945	64.90
	3	134.3	219.7	64.5	111.54	90.0	28.21	179.13	2	0.998	141.91	
	4	290.4	457.6	202.6	112.31	90.0	28.21	178.57	2	0.989	141.54	
	5	300.5	472.7	212.8	113.36	90.0	28.21	178.53	2	0.989	141.53	
	6	280.6	457.6	208.6	113.81	90.0	28.21	178.57	2	0.990	141.54	
	7	209.8	327.4	119.8	112.40	90.0	28.21	178.60	2	0.989	141.70	
	8	171.3	267.0	91.1	112.13	90.0	28.21	178.95	2	0.998	141.80	
	9	144.3	238.1	74.2	111.84	90.0	28.21	179.21	2	0.998	141.87	
	10	252.8	394.5	162.8	112.64	90.0	28.21	179.51	2	0.999	141.81	
	11	300.4	468.9	210.4	113.39	90.0	28.21	179.51	2	0.999	141.53	
	12	218.6	341.2	128.6	112.47	90.0	28.21	179.43	2	0.999	141.82	
	13	102.8	154.1	72.8	112.07	90.0	28.21	179.57	2	0.999	141.88	
	14	138.2	215.8	111.89	112.89	90.0	28.21	179.19	2	0.988	141.90	
	15	144.5	238.1	74.2	111.84	90.0	28.21	179.04	2	0.986	141.87	
	16	122.6	191.5	52.6	111.54	90.0	28.21	179.13	2	0.998	141.94	
	17	149.4	144.9	11.4	111.39	90.0	28.21	179.03	2	0.998	141.89	
	18	94.5	133.4	8.2	111.52	90.0	28.21	179.01	2	0.988	142.00	
	19	87.3	136.2	7.3	111.41	90.1	22.35	179.00	143.24	2	0.978	132.13
	20	63.9	120.5	7.3	111.40	78.3	21.29	179.80	146.35	2	0.910	109.03
	21	109.3	162.0	13.8	111.57	90.0	28.21	179.54	2	0.996	142.00	
	22	87.3	136.2	7.3	111.41	90.1	22.35	179.00	143.24	2	0.978	132.13
	23	78.4	123.5	7.2	111.39	71.3	17.46	179.00	140.03	2	0.912	109.94
	24	71.4	111.4	7.2	111.24	64.5	14.55	179.00	139.59	2	0.908	109.54
	25	63.2	98.7	7.2	111.17	56.5	10.87	179.00	138.61	2	0.896	98.78
	26	61.7	96.3	7.2	111.14	54.7	10.54	179.00	137.90	2	0.892	94.13
	27	60.1	91.8	7.2	111.14	52.9	9.73	179.00	136.11	2	0.885	91.34
	28	57.7	85.9	7.2	111.07	46.5	7.57	179.00	130.40	2	0.849	79.32
	29	52.3	81.7	7.2	111.04	41.1	7.06	179.00	126.84	2	0.843	74.64
	30	44.1	75.1	7.2	111.01	40.9	1.83	179.00	123.14	2	0.841	64.90
	31	33.6	32.4	7.2	111.04	41.1	7.06	179.00	120.84	2	0.842	74.64
Aug	1	33.2	81.7	7.2	111.06	44.0	7.37	179.00	200.57	2	0.847	74.37
	2	44.5	81.7	7.2	111.06	41.3	1.84	179.00	202.00	2	0.847	68.77
	3	42.1	77.3	7.2	111.03	35.4	4.41	179.00	203.54	1	0.810	64.64
	4	41.0	75.1	7.2	111.01	33.8	3.94	179.00	204.01	1	0.813	61.60
	5	39.1	70.7	7.2	110.99	31.9	3.54	179.00	204.47	1	0.811	58.21
	6	37.2	68.5	7.2	110.97	30.0	3.13	179.00	204.90	1	0.807	54.65
	7	35.5	70.7	7.2	110.99	28.3	2.79	179.00	205.23	1	0.803	51.34
	8	33.7	72.9	7.2	111.00	26.5	2.45	179.00	205.55	1	0.804	47.72
	9	32.9	70.7	7.2	110.99	24.7	2.30	179.00	205.71	1	0.800	44.10
	10	31.0	68.5	7.2	110.97	22.8	2.14	179.00	205.89	1	0.804	44.35
	11	31.2	66.3	7.2	110.94	20.9	2.01	179.00	206.04	1	0.819	43.40
	12	30.3	64.1	7.2	110.94	23.1	1.86	179.00	206.30	1	0.877	40.75
	13	28.6	61.9	7.2	110.93	21.4	1.79	179.00	206.44	1	0.879	37.18
	14	27.8	60.0	7.2	110.91	20.6	1.66	179.00	206.61	1	0.851	35.11
	15	26.3	61.9	7.2	110.92	23.1	1.85	179.00	206.33	1	0.877	40.75
	16	41.0	64.1	7.2	110.94	23.8	1.96	179.00	206.08	1	0.813	61.63
	17	94.5	64.1	7.2	110.94	27.6	2.473	179.00	181.33	2	0.821	100.43
	18	409.4	434.6	315.6	112.76	90.0	28.21	179.83	179.54	2	0.989	141.74
	19	480.5	697.2	500.3	113.30	90.0	28.21	179.84	178.43	2	0.989	141.48
	20	628.1	1264.3	581.1	114.10	90.0	28.21	179.01	177.90	2	0.989	141.13
	21	813.7	1514.7	728.1	114.17	90.0	28.21	179.00	178.12	2	0.989	141.27
	22	980.9	1874.4	900.9	113.81	90.0	28.21	179.04	178.48	2	0.989	141.30
	23	968.1	1883.3	899.1	113.23	90.0	28.21	179.80	178.33	2	0.989	141.41
	24	250.6	433.6	160.6	112.81	90.0	28.21	179.50	178.44	2	0.989	141.30
	25	171.5	341.3	112.43	112.43	90.0	28.21	179.29	178.63	2	0.989	141.60
	26	138.9	279.3	78.9	112.13	90.0	28.21	179.17	178.80	2	0.989	141.70
	27	107.2	231.9	17.2	111.81	90.0	28.21	179.36	178.94	2	0.988	141.80
	28	101.4	194.4	11.4	111.74	90.0	28.21	179.03	179.04	2	0.998	141.87
	29	95.7	176.7	7.2	111.66	85.3	27.28	179.00	180.06	2	0.900	140.39
	30	94.8	176.7	7.2	111.64	87.6	24.75	179.00	180.42	2	0.901	138.74
	31	72.2	142.9	7.2	111.57	55.7	21.78	179.00	181.81	2	0.904	137.02
Sep	1	65.2	147.3	7.2	111.48	78.0	21.34	179.00	185.76	2	0.900	139.90
	2	71.7	133.5	7.2	111.40	70.5	17.31	179.00	180.29	2	0.911	119.83
	3	68.2	129.3	7.2	111.34	62.0	15.39	179.00	180.27	2	0.906	109.60
	4	277.1	133.5	37.1	111.40	90.0	28.21	179.14	179.54	2	0.958	142.00
	5	1373.9	244.4	140.6	112.04	90.0	28.21	179.44	179.21	2	0.996	141.87
	6	962.7	76.7	562.7	112.40	90.0	28.21	179.13	178.34	2	0.999	141.54
	7	541.7	627.0	431.7	113.18	90.0	28.21	179.07	178.68	2	0.999	141.63
	8	426.4	371.6	375.4	113.00	90.0	28.21	179.93	178.72	2	0.999	141.44
	9	323.8	441.2	231.8	113.83	90.0	28.21	179.46	178.62	2	0.999	141.59
	10	240.3	583.7	172.3	112.60	90.0	28.21	179.73	178.72	2	0.999	141.45
	11	271.7	344.6	111.7	112.44	90.0	28.21	179.33	178.94	2	0.998	141.78
	12	311.8	359.9	141.8	112.97	90.0	28.21	179.48	178.93	2	0.998	141.71
	13	171.4	328.1	82.6	112.33	90.0	28.21	179.50	179.91	2	0.999	141.94
	14	136.7	137.4	40.1	111.58	90.0	28.21	179.14	179.14	2	0.998	141.83
	15	137.5	220.7	47.5	111.84	90.0	28.21	179.18	179.13	2	0.998	141.92
	16	120.4	200.4	30.4	111.91	90.0	28.21	179.12	179.10	2	0.996	141.90
	17	115.7	164.8	25.7	111.99	90.0	28.21	179.10	179.20	2	0.996	141.94
	18	113.8	149.9	23.8	111.90	90.0	28.21	179.09	179.29	2	0.996	142.00
	19	244.2	260.0	186.2	112.19	90.0	28.21	179.30	179.09	2	0.998	141.89
	20	245.3	484.1	172.3	112.80	90.0	28.21	179.33	178.43	2	0.989	141.47
	21	192.4	412.6	102.4	112.49	90.0	28.21	179.33	178.41	2	0.999	141.45
	22	180.7	380.7	68.7	112.34	90.0	28.21	179.34	178.81	2	0.999	141.71
	23	140.2	241.1	53.2	112.01	90.0	28.21	179.20	178.99	2	0.996	141.82
	24	132.4	200.7	42.8	111.84	90.0	28.21	179.17	179.11	2	0.998	141.91
	25	139.0	183.9	38.0	111.71	90.0	28.21	179.13	179.23	2	0.998	141.95
	26	132.8	194.4	42.8	111.76	90.0	28.21	179.17	179.30	2	0.998	141.96
	27	130.0	200.6	40.0	111.81	90.0	28.21	179.23	179.31	2	0.998	141.94
	28	134.7	211.7	43.7	111.76	90.0	28.21	179.27	179.12	2	0.998	141.93
	29	153.7	223.7	45.7	111.64	90.0	28.21	179.24	179.39	2	0.998	142.00
	30	136.5	194.4	144.5	111.76	90.0	28.21	179.47	179.50	2	0.996	142.00

Date	Discharge (cum)	Discharge FAL (cum)	RMP or Tail Spillage water level m (cum)	Plant Q level m (cum)	Raw level m	Revol Head h	Efficiency Unit ary	Output MW	Month			
Oct.	1	446.4	697.2	156.5	113.30	90.00	28.21	179.39	2	0.989	141.64	
2	425.5	664.1	335.3	113.23	90.00	28.21	179.84	178.41	2	0.989	141.64	
3	270.4	434.6	188.4	112.76	90.00	28.21	178.57	178.40	2	0.989	141.90	
4	239.8	327.4	119.8	112.40	90.00	28.21	179.40	178.79	2	0.989	141.70	
5	164.9	268.5	76.9	112.10	90.00	28.21	179.28	178.97	2	0.989	141.81	
6	144.1	234.9	54.1	111.82	90.00	28.21	179.01	179.07	2	0.988	141.88	
7	130.4	202.6	40.4	111.81	90.00	28.21	179.14	179.14	2	0.998	141.83	
8	124.3	194.4	36.5	111.76	90.00	28.21	179.17	179.17	2	0.994	141.84	
9	115.1	179.6	25.1	111.67	90.00	28.21	179.00	179.21	2	0.998	141.87	
10	136.3	208.7	64.3	111.84	90.00	28.21	179.17	179.17	2	0.998	141.88	
11	220.8	344.6	130.3	112.64	90.00	28.21	179.51	179.51	2	0.998	141.89	
12	186.6	304.9	106.6	112.51	90.00	28.21	179.34	179.34	2	0.999	141.73	
13	154.3	241.1	64.5	112.01	90.00	28.21	179.24	179.22	2	0.998	141.83	
14	126.5	197.3	36.5	111.76	90.00	28.21	179.14	179.14	2	0.998	141.89	
15	113.2	176.7	23.2	111.66	90.00	28.21	179.06	179.22	2	0.998	141.87	
16	191.9	198.1	11.9	111.51	90.00	28.21	179.03	179.27	2	0.998	142.00	
17	80.8	144.9	7.2	111.47	83.40	23.35	179.00	180.81	2	0.904	137.94	
18	85.5	133.5	7.2	111.42	78.30	21.35	179.00	186.25	2	0.910	130.03	
19	78.4	123.5	7.2	111.39	71.30	17.46	179.00	180.03	2	0.912	123.94	
20	78.4	123.5	7.2	111.39	71.30	17.46	179.00	180.03	2	0.912	123.94	
21	83.8	130.7	7.2	111.34	74.30	20.44	179.00	179.19	2	0.911	127.97	
22	78.4	123.5	7.2	111.39	71.30	17.46	179.00	180.03	2	0.912	123.94	
23	67.5	104.9	7.2	111.41	60.80	22.35	179.00	180.94	2	0.940	123.13	
24	96.5	120.6	7.2	111.30	80.30	27.77	179.00	179.72	2	0.939	141.40	
25	108.9	138.1	11.9	111.51	90.00	28.21	179.03	179.27	2	0.998	142.00	
26	508.8	142.0	13.3	111.57	90.00	28.21	179.04	179.24	2	0.988	142.00	
27	67.3	136.3	7.2	111.41	60.80	22.35	179.00	185.24	2	0.920	123.13	
28	76.7	130.7	7.2	111.31	66.30	16.63	179.00	180.87	2	0.911	118.46	
29	74.0	114.0	7.2	111.39	67.70	15.96	179.00	181.73	2	0.910	113.83	
30	71.4	111.4	7.2	111.26	64.30	14.35	179.00	180.39	2	0.908	110.48	
31	66.6	109.7	7.2	111.21	59.20	13.21	179.00	180.39	2	0.901	102.90	
Nov.	1	60.1	91.8	7.2	111.14	51.90	9.75	179.00	198.11	2	0.888	91.26
2	33.7	83.9	7.2	111.07	44.30	7.53	179.00	200.40	2	0.840	79.32	
3	32.3	81.7	7.2	111.04	41.00	7.06	179.00	200.84	2	0.843	74.64	
4	44.1	75.1	7.2	111.01	40.90	1.83	179.00	202.14	2	0.843	64.90	
5	41.1	73.1	7.2	111.01	40.90	1.83	179.00	202.14	2	0.843	64.90	
6	109.8	162.0	13.8	111.57	90.00	28.21	179.54	179.24	2	0.988	142.00	
7	117.0	163.6	27.0	111.68	90.00	28.21	179.10	179.20	2	0.988	141.86	
8	108.6	164.9	15.6	111.99	90.00	28.21	179.03	179.23	2	0.988	141.80	
9	107.5	157.8	17.3	111.41	90.00	28.21	179.04	179.24	2	0.988	141.99	
10	91.8	142.0	7.2	111.45	83.40	24.44	179.00	180.89	2	0.903	136.17	
11	76.7	130.7	7.2	111.31	66.30	16.62	179.00	180.87	2	0.911	118.46	
12	74.9	114.0	7.2	111.30	67.70	15.86	179.00	181.73	2	0.910	113.83	
13	138.3	234.6	60.3	111.97	90.00	28.21	179.23	179.84	2	0.988	141.86	
14	277.8	477.4	130.4	112.74	90.00	28.21	179.25	179.61	2	0.989	141.38	
15	441.8	688.0	251.6	113.29	90.00	28.21	179.39	179.40	2	0.989	141.43	
16	361.9	544.9	271.9	113.07	90.00	28.21	179.47	179.47	2	0.989	141.49	
17	220.8	344.6	130.3	112.64	90.00	28.21	179.51	179.51	2	0.989	141.86	
18	160.7	330.8	76.7	112.04	90.00	28.21	179.24	179.29	2	0.988	141.83	
19	126.6	265.5	36.4	111.79	90.00	28.21	179.15	179.23	2	0.988	141.85	
20	105.6	164.8	11.9	111.57	90.00	28.21	179.05	179.23	2	0.988	141.99	
21	91.0	142.0	7.2	111.45	83.40	24.44	179.00	180.89	2	0.903	136.17	
22	86.2	123.5	7.2	111.34	71.30	17.46	179.00	180.03	2	0.912	123.94	
23	73.1	114.2	7.2	111.27	63.90	15.13	179.00	180.40	2	0.908	113.11	
24	68.0	106.2	7.2	111.22	60.80	12.87	179.00	180.90	2	0.904	109.98	
25	61.7	96.3	7.2	111.16	54.20	10.74	179.00	181.50	2	0.902	94.13	
26	78.4	123.5	7.2	111.39	71.30	17.46	179.00	180.03	2	0.912	123.94	
27	136.5	197.5	36.5	111.76	90.00	28.21	179.14	179.14	2	0.988	141.83	
28	111.5	177.1	21.5	111.64	90.00	28.21	179.08	179.23	2	0.988	141.86	
29	87.3	136.3	7.2	111.41	60.80	22.35	179.00	180.94	2	0.939	123.13	
30	71.4	123.5	7.2	111.33	71.30	17.46	179.00	180.03	2	0.912	123.94	
Dec.	1	60.7	108.6	7.2	111.24	51.90	9.97	179.00	197.79	2	0.890	92.38
2	105.2	182.6	15.2	111.49	90.00	28.21	179.02	179.15	2	0.978	141.97	
3	120.9	228.1	36.9	111.84	90.00	28.21	179.15	179.20	2	0.984	141.94	
4	95.7	330.9	7.2	112.41	64.40	27.28	179.00	179.31	2	0.907	140.10	
5	73.8	241.1	7.2	112.01	66.40	17.88	179.00	180.80	2	0.911	116.71	
6	75.7	191.5	7.2	111.74	71.30	17.40	179.00	180.45	2	0.912	120.81	
7	90.0	176.7	7.2	111.66	60.80	22.88	179.00	180.47	2	0.907	134.96	
8	157.8	315.7	67.8	112.34	90.00	28.21	179.25	179.70	2	0.989	141.84	
9	141.3	439.9	51.3	112.72	90.00	28.21	179.30	179.27	2	0.989	141.97	
10	104.3	309.4	14.5	112.30	90.00	28.21	179.94	179.34	2	0.989	141.54	
11	109.3	234.9	13.3	111.80	90.00	28.21	179.94	179.30	2	0.988	141.77	
12	144.2	199.4	36.4	111.76	90.00	28.21	179.31	179.34	2	0.988	141.86	
13	180.5	245.6	78.5	112.23	90.00	28.21	179.38	179.34	2	0.988	141.89	
14	278.8	412.6	188.9	112.90	90.00	28.21	179.57	179.64	2	0.989	141.62	
15	220.5	664.1	199.9	113.25	90.00	28.21	179.45	179.99	2	0.989	141.19	
16	184.5	437.4	76.5	112.82	90.00	28.21	179.28	179.25	2	0.989	141.57	
17	152.7	348.0	63.7	112.47	90.00	28.21	179.24	179.24	2	0.989	141.57	
18	140.4	283.2	30.4	112.31	90.00	28.21	179.16	179.28	2	0.989	141.86	
19	142.3	244.3	52.5	112.02	90.00	28.21	179.20	179.27	2	0.989	141.81	
20	242.4	288.7	132.4	112.34	90.00	28.21	179.48	179.27	2	0.988	141.86	
21	280.1	495.6	190.1	112.92	90.00	28.21	179.57	179.44	2	0.989	141.48	
22	351.6	902.5	248.4	113.63	90.00	28.21	179.72	177.88	2	0.989	141.12	
23	532.2	1310.1	240.3	115.90	90.00	28.21	180.46	177.97	2	0.989	141.17	
24	280.1	540.7	181.0	113.06	90.00	28.21	179.57	179.30	2	0.989	141.39	
25	238.9	409.9	194.9	112.65	90.00	28.21	179.59	179.09	2	0.988	141.64	
26	352.1	558.8	242.1	112.36	90.00	28.21	179.66	179.69	2	0.988	141.69	
27	320.1	478.9	212.7	112.72	90.00	28.21	179.38	179.76	2	0.988	141.80	
28	258.6	351.3	113.6	112.90	90.00	28.21	179.28	179.69	2	0.988	141.87	
29	180.4	303.0	70.4	112.34	90.00	28.21	179.34	179.77	2	0.989	141.49	
30	141.3	237.3	11.3	112.09	90.00	28.21	179.20	179.90	2	0.988	141.74	
31	179.9	221.9	99.9	111.81	90.00	28.21	179.13	179.24	2	0.988	141.84	



# POWER GENERATION SIMULATION

Year: 1966

Run Date: 8  
F.L.L. = 319.00 m

Head: 179.30 m  
Max. Plant Discharge: 90.00 m³/s

Installed Capacity: 142.0 MW

Date		Discharge		RMP or Tail Spillage water level (m)	Plant Q level (m)	Loss	Raw level	Effect Head (m)	Efficiency Unit (MW)	Output MW	Month y Ave. MW	
		Data (m³/s)	PFI (m³/s)									
Jan	1	117.4	194.4	27.6	111.74	90.0	28.21	319.11	179.14	2	0.998	141.93
	2	117.4	194.4	27.6	111.74	90.0	28.21	319.08	179.13	2	0.998	141.91
	3	117.4	194.4	27.6	111.74	90.0	28.21	319.11	179.14	2	0.998	141.92
	4	127.1	212.7	97.1	111.64	90.0	28.21	319.34	179.37	2	0.998	142.00
	5	219.4	360.1	125.4	112.39	90.0	28.21	319.41	179.53	2	0.999	141.99
	6	171.5	310.3	61.5	113.31	90.0	28.21	319.29	178.74	2	0.999	141.64
	7	115.7	241.1	23.7	113.01	90.0	28.21	319.10	178.84	2	0.998	141.74
	8	125.7	221.9	43.7	113.91	90.0	28.21	319.17	179.05	2	0.998	141.87
	9	141.4	247.0	71.4	112.13	90.0	28.21	319.24	178.92	2	0.998	141.99
	10	130.0	405.4	40.0	113.47	90.0	28.21	319.23	178.34	2	0.999	141.61
	11	131.3	254.6	47.5	111.97	90.0	28.21	319.15	179.00	2	0.998	141.83
	12	134.3	194.4	34.3	111.74	90.0	28.21	319.13	179.16	2	0.998	141.94
	13	102.3	179.8	12.3	111.67	90.0	28.21	319.63	179.15	2	0.998	141.93
	14	84.3	153.4	7.3	111.52	81.6	31.85	319.00	184.63	2	0.996	137.04
	15	77.7	139.1	7.2	111.43	70.3	17.31	319.00	190.34	2	0.911	110.81
	16	106.2	179.7	15.2	111.44	90.0	28.21	319.05	179.30	2	0.998	141.84
	17	93.8	133.4	7.2	111.32	64.5	24.12	319.00	181.34	2	0.903	135.50
	18	78.7	147.4	7.2	111.41	71.5	17.80	319.00	189.39	2	0.912	121.10
	19	133.8	241.1	43.8	112.01	90.0	28.21	319.17	178.95	2	0.998	141.80
	20	171.5	194.4	81.5	111.74	90.0	28.21	319.29	179.32	2	0.998	142.00
	21	140.4	259.7	58.4	111.84	90.0	28.21	319.19	179.14	2	0.998	141.93
	22	130.9	306.4	40.9	111.83	90.0	28.21	319.14	179.13	2	0.998	141.91
	23	130.0	300.3	60.0	111.79	90.0	28.21	319.13	179.12	2	0.998	141.90
	24	141.4	240.3	71.4	112.10	90.0	28.21	319.24	178.95	2	0.998	141.80
	25	190.3	370.3	100.3	112.15	90.0	28.21	319.31	178.99	2	0.998	141.83
	26	243.3	387.3	172.3	112.41	90.0	28.21	319.57	178.71	2	0.999	141.65
	27	218.9	405.4	138.9	113.67	90.0	28.21	319.42	178.54	2	0.999	141.54
	28	209.4	394.0	110.4	112.96	90.0	28.21	319.34	178.79	2	0.999	141.70
	29	182.4	279.5	104.4	112.16	90.0	28.21	319.33	178.58	2	0.998	141.82
	30	218.9	380.3	138.9	112.10	90.0	28.21	319.42	179.11	2	0.998	141.90
	31	247.0	321.0	170.0	112.33	90.0	28.21	319.57	179.31	2	0.998	141.79
Feb	1	214.2	347.0	124.2	112.13	90.0	28.21	319.41	179.07	2	0.998	141.84
	2	198.1	234.6	108.1	111.97	90.0	28.21	319.37	179.16	2	0.998	141.95
	3	197.1	200.3	97.1	111.79	90.0	28.21	319.34	179.34	2	0.998	142.00
	4	128.9	161.0	34.9	111.57	90.0	28.21	319.15	179.37	2	0.998	142.00
	5	112.8	147.7	21.8	111.46	90.0	28.21	319.04	179.39	2	0.998	142.00
	6	117.4	176.7	27.6	111.44	90.0	28.21	319.11	179.34	2	0.998	141.94
	7	105.2	185.5	15.2	111.71	90.0	28.21	319.05	179.13	2	0.998	141.92
	8	144.2	200.3	54.2	111.79	90.0	28.21	319.21	179.20	2	0.998	141.94
	9	112.7	402.8	22.7	113.18	90.0	28.21	319.64	178.54	2	0.999	141.54
	10	143.3	136.9	43.3	114.24	90.0	28.21	320.07	177.43	2	0.900	140.95
	11	142.4	134.1	32.4	114.19	90.0	28.21	320.23	177.43	2	0.900	140.99
	12	195.9	173.6	29.9	114.32	90.0	28.21	320.81	176.69	2	0.999	141.29
	13	141.1	150.1	70.1	114.62	90.0	28.21	320.59	177.95	2	0.999	141.16
	14	247.1	109.0	47.1	113.87	90.0	28.21	320.39	178.31	2	0.999	141.40
	15	130.4	144.4	121.8	113.94	90.0	28.21	321.14	178.94	2	0.998	141.81
	16	130.4	177.4	149.4	114.52	90.0	28.21	321.44	178.74	2	0.999	141.67
	17	141.1	167.4	111.5	114.63	90.0	28.21	321.24	178.41	2	0.999	141.45
	18	128.1	139.1	144.1	114.19	90.0	28.21	321.04	178.63	2	0.999	141.61
	19	102.9	141.3	99.9	113.83	90.0	28.21	320.79	178.45	2	0.999	141.61
	20	70.2	98.9	70.2	113.73	90.0	28.21	320.47	178.53	2	0.999	141.53
	21	140.3	80.1	43.3	113.48	90.0	28.21	320.02	178.33	2	0.999	141.40
	22	372.7	74.8	282.7	113.58	90.0	28.21	319.74	178.17	2	0.999	141.31
	23	348.8	686.3	288.8	113.25	90.0	28.21	319.72	178.15	2	0.999	141.24
	24	378.0	592.7	228.0	113.11	90.0	28.21	319.67	178.41	2	0.999	141.35
	25	304.4	580.7	314.4	113.11	90.0	28.21	319.62	178.30	2	0.999	141.39
	26	262.4	484.1	202.4	112.99	90.0	28.21	319.40	178.30	2	0.999	141.31
	27	271.7	477.1	181.7	112.74	90.0	28.21	319.35	178.60	2	0.999	141.58
	28	230.4	390.9	140.4	112.42	90.0	28.21	319.30	178.67	2	0.999	141.42
Mar	1	317.5	495.4	227.5	112.92	90.0	28.21	319.45	178.52	2	0.999	141.53
	2	288.1	449.8	198.1	112.80	90.0	28.21	319.39	178.59	2	0.999	141.54
	3	246.7	411.3	176.7	112.70	90.0	28.21	319.34	178.62	2	0.999	141.59
	4	232.2	394.5	162.8	112.64	90.0	28.21	319.31	178.64	2	0.999	141.62
	5	344.5	440.0	274.5	113.67	90.0	28.21	319.75	178.44	2	0.999	141.49
	6	324.8	307.0	234.8	112.94	90.0	28.21	319.67	178.51	2	0.999	141.52
	7	241.1	376.4	171.1	113.30	90.0	28.21	319.44	178.49	2	0.999	141.44
	8	198.8	310.3	108.8	113.33	90.0	28.21	319.37	178.83	2	0.999	141.73
	9	136.4	247.4	68.4	113.04	90.0	28.21	319.23	179.00	2	0.998	141.84
	10	144.1	224.8	54.1	111.92	90.0	28.21	319.21	179.07	2	0.998	141.84
	11	134.3	200.7	44.3	111.84	90.0	28.21	319.17	179.12	2	0.998	141.91
	12	124.5	194.4	34.5	111.76	90.0	28.21	319.13	179.17	2	0.998	141.94
	13	113.1	179.4	25.1	111.67	90.0	28.21	319.09	179.21	2	0.998	141.97
	14	105.6	148.9	15.6	111.59	90.0	28.21	319.05	179.25	2	0.998	141.99
	15	96.3	117.4	8.3	111.52	90.0	28.21	319.01	179.28	2	0.998	142.00
	16	92.8	144.9	7.2	111.47	81.6	31.82	319.00	182.51	2	0.904	137.94
	17	85.5	139.5	7.2	111.40	70.3	21.33	319.00	184.23	2	0.910	130.03
	18	80.3	123.2	7.2	111.34	70.3	19.34	319.00	189.10	2	0.912	123.32
	19	78.4	123.5	7.2	111.33	71.2	17.64	319.00	190.02	2	0.912	120.84
	20	78.4	122.5	7.2	111.33	71.2	17.64	319.00	190.02	2	0.912	120.84
	21	74.9	114.9	7.2	111.26	67.7	15.86	319.00	191.75	2	0.910	117.83
	22	73.1	114.2	7.2	111.27	65.9	15.12	319.00	192.40	2	0.909	113.11
	23	136.2	215.8	44.2	111.88	90.0	28.21	319.19	179.10	2	0.998	141.90
	24	130.4	205.6	40.4	111.81	90.0	28.21	319.14	179.14	2	0.998	141.92
	25	171.1	247.0	81.1	112.13	90.0	28.21	319.29	178.95	2	0.998	141.80
	26	425.4	464.1	315.5	112.25	90.0	28.21	319.34	178.41	2	0.999	141.45
	27	312.4	487.9	222.4	112.80	90.0	28.21	319.44	178.53	2	0.999	141.54
	28	220.5	327.4	115.8	112.40	90.0	28.21	319.40	178.79	2	0.999	141.70
	29	124.4	277.9	62.4	111.99	90.0	28.21	319.20	179.03	2	0.998	141.85
	30	124.5	194.4	34.5	111.76	90.0	28.21	319.13	179.17	2	0.998	141.94
	31	102.4	170.8	18.4	111.62	90.0	28.21	319.07	179.23	2	0.998	141.98

		Discharge Data (cms)	Discharge PFI (cms)	RMP or Tail Spillage level (cms)	Plant Q level (cms)	Loss	Raw level	Effect Head (m)	Efficiency Unit use (y)	Output MW	Month y Ave. MW	
Apr.	1	115.8	164.9	23.9	111.99	90.00	28.21	319.09	179.29	2	0.998	142.00
	2	108.1	154.3	18.1	111.54	90.00	28.21	319.04	179.31	2	0.998	142.00
	3	104.2	150.6	14.2	111.50	90.00	28.21	319.03	179.34	2	0.998	142.00
	4	107.2	147.7	17.2	111.43	90.00	28.21	319.04	179.34	2	0.998	142.00
	5	118.5	170.3	28.5	111.62	90.00	28.21	319.11	179.38	2	0.998	142.00
	6	104.3	137.4	16.1	111.52	90.00	28.21	319.05	179.32	2	0.998	142.00
	7	109.0	170.0	19.0	111.62	90.00	28.21	319.07	179.32	2	0.998	141.98
	8	136.0	209.4	36.0	112.20	90.00	28.21	319.15	178.44	2	0.990	141.40
	9	136.4	277.3	44.6	112.09	90.00	28.21	319.19	178.84	2	0.998	141.74
10	104.4	118.8	30.1	111.89	90.00	28.21	319.19	179.09	2	0.998	141.86	
	11	117.6	151.5	27.6	111.74	90.00	28.21	319.11	179.15	2	0.998	141.93
	12	108.1	164.9	18.1	111.59	90.00	28.21	319.06	179.24	2	0.998	142.00
	13	97.7	126.0	12.6	111.34	90.00	28.21	319.00	179.24	2	0.998	142.00
	14	91.9	126.2	12.2	111.34	84.70	14.99	319.05	182.67	2	0.904	137.14
	15	78.0	118.7	7.2	111.31	68.40	14.99	319.00	191.50	2	0.911	137.15
	16	70.1	108.6	7.2	111.24	62.90	13.70	319.00	193.94	2	0.907	138.41
	17	64.4	101.2	7.2	111.19	59.20	12.23	319.00	195.61	2	0.902	140.31
	18	63.3	98.7	7.2	111.17	54.30	11.04	319.00	196.79	2	0.904	97.31
	19	58.8	94.3	7.2	111.16	41.90	9.27	319.00	194.57	2	0.985	96.85
20	64.3	137.5	7.2	111.40	77.30	11.40	319.00	194.17	2	0.988	96.86	
21	61.7	122.5	7.2	111.33	54.30	10.34	319.00	197.33	2	0.982	94.00	
22	56.9	108.4	7.2	111.26	49.70	8.80	319.00	199.16	2	0.979	83.88	
23	53.2	98.3	7.2	111.16	44.00	7.37	319.00	200.47	2	0.967	78.32	
24	42.8	91.3	7.2	111.12	33.40	4.41	319.00	200.44	1	0.910	64.61	
25	64.3	167.0	7.2	111.31	73.30	11.40	319.00	199.94	2	0.988	96.81	
26	83.4	194.4	7.2	111.78	76.20	20.22	319.00	197.00	2	0.911	127.32	
27	64.5	158.4	7.2	111.60	57.30	11.40	319.00	198.34	2	0.988	97.87	
28	57.8	122.5	7.2	111.53	50.40	8.82	319.00	198.76	2	0.982	84.80	
29	53.2	108.6	7.2	111.24	44.00	7.37	319.00	200.39	2	0.967	78.28	
30	50.4	101.2	7.2	111.19	43.20	4.90	319.00	201.31	2	0.953	72.91	
1142.00												
May	1	32.4	94.2	7.2	111.16	43.20	6.50	319.00	201.34	2	0.925	72.92
	2	47.5	91.3	7.2	111.12	40.30	5.64	319.00	202.22	2	0.933	67.29
	3	44.7	83.9	7.2	111.07	37.30	4.90	319.00	203.03	1	0.904	67.63
	4	30.4	81.7	7.2	111.04	30.40	3.82	319.00	203.24	2	0.938	72.91
	5	57.8	98.8	7.2	111.14	50.40	8.82	319.00	198.94	2	0.982	87.01
	6	94.3	107.7	7.2	111.21	77.30	20.20	319.00	197.09	2	0.910	128.70
	7	146.1	102.0	54.1	111.97	90.00	28.21	319.31	179.43	2	0.991	140.00
	8	109.0	167.8	18.9	111.61	90.00	28.21	319.07	179.25	2	0.998	142.00
	9	84.2	149.4	7.2	111.47	51.00	22.25	319.00	184.90	2	0.908	137.51
	10	82.4	122.5	7.2	111.33	75.30	18.00	319.00	179.74	2	0.911	126.23
	11	92.9	130.7	7.2	111.36	65.70	22.26	319.00	182.04	2	0.903	136.12
	12	92.9	136.3	7.2	111.41	65.70	22.26	319.00	182.01	2	0.909	136.09
	13	84.2	120.5	7.2	111.40	70.00	21.76	319.00	181.87	2	0.900	130.84
	14	76.7	122.5	7.2	111.33	69.20	14.62	319.00	190.85	2	0.911	118.45
	15	67.3	108.6	7.2	111.24	60.30	12.98	319.00	191.18	2	0.909	108.80
	16	70.1	98.7	7.2	111.17	62.90	13.70	319.00	194.05	2	0.907	108.45
	17	56.0	94.3	7.2	111.16	44.80	9.28	319.00	199.35	2	0.978	83.64
	18	44.5	84.3	7.2	111.11	41.90	5.84	319.00	200.45	2	0.947	69.23
	19	43.7	83.9	7.2	111.07	38.10	5.14	319.00	202.76	1	0.920	66.10
20	47.5	81.7	7.2	111.06	40.30	3.44	319.00	202.30	2	0.940	67.31	
21	53.1	81.7	7.2	111.04	47.30	7.99	319.00	199.85	2	0.974	81.81	
22	62.5	98.7	7.2	111.17	55.30	10.65	319.00	197.18	2	0.984	91.54	
23	76.7	122.5	7.2	111.34	69.20	14.62	319.00	190.83	2	0.911	118.44	
24	70.1	128.0	7.2	111.36	62.90	13.70	319.00	193.66	2	0.907	108.23	
25	58.8	104.2	7.2	111.22	51.00	9.27	319.00	199.51	2	0.945	84.82	
26	47.5	91.3	7.2	111.12	40.30	5.64	319.00	202.22	2	0.942	67.28	
27	47.5	83.9	7.2	111.07	40.30	5.64	319.00	202.27	2	0.940	67.31	
28	43.7	81.7	7.2	111.06	38.10	5.14	319.00	202.76	1	0.920	66.11	
29	42.8	81.7	7.2	111.06	33.40	4.41	319.00	208.50	1	0.910	64.63	
30	41.0	75.1	7.2	111.01	33.00	3.98	319.00	204.01	1	0.912	61.80	
31	60.9	72.9	7.2	111.00	32.80	3.77	319.00	204.23	1	0.911	59.84	
92.16												
Jun.	1	39.1	64.5	7.2	110.97	31.50	3.54	319.00	204.49	1	0.911	58.22
	2	38.1	64.3	7.2	110.96	30.80	3.23	319.00	204.72	1	0.909	54.36
	3	58.1	64.1	7.2	110.94	30.80	3.37	319.00	204.73	1	0.909	54.37
	4	34.7	61.9	7.2	110.93	27.30	2.63	319.00	205.44	1	0.899	49.76
	5	34.7	60.0	7.2	110.91	27.30	2.60	319.00	205.45	1	0.898	49.76
	6	33.7	60.0	7.2	110.91	24.90	2.45	319.00	205.64	1	0.994	47.75
	7	32.9	54.2	7.2	110.89	23.70	2.30	319.00	205.81	1	0.930	44.22
	8	32.9	54.2	7.2	110.89	23.70	2.30	319.00	205.81	1	0.900	46.12
	9	32.0	54.3	7.2	110.87	24.80	2.14	319.00	205.99	1	0.894	44.28
	10	32.0	52.4	7.2	110.86	24.80	2.14	319.00	206.00	1	0.894	44.28
	11	31.0	52.4	7.2	110.84	24.80	2.14	319.00	206.00	1	0.894	44.28
	12	54.7	52.4	7.2	110.86	27.20	2.67	319.00	202.51	1	0.929	49.75
	13	54.1	54.3	7.2	110.87	44.80	7.66	319.00	202.47	2	0.870	80.18
	14	93.7	118.7	7.2	111.31	84.90	27.38	319.00	198.43	2	0.900	140.81
	15	105.2	176.7	13.2	111.66	90.00	28.21	319.05	179.18	2	0.998	141.95
	16	84.2	198.1	7.2	111.53	79.00	21.76	319.00	182.71	2	0.909	130.74
	17	344.6	270.3	250.4	121.15	90.00	28.21	319.71	179.35	2	0.998	142.00
	18	442.9	1164.6	322.9	113.96	90.00	28.21	319.90	177.72	2	0.900	141.02
	19	321.0	718.1	203.3	113.34	90.00	28.21	319.66	178.11	2	0.999	141.27
20	286.6	445.1	198.6	112.84	90.00	28.21	319.39	178.34	2	0.990	101.54	
21	201.4	324.0	111.4	112.58	90.00	28.21	319.34	178.79	2	0.993	101.70	
22	196.7	217.4	64.7	112.04	90.00	28.21	319.25	179.20	2	0.998	141.83	
23	145.1	228.1	33.1	111.94	90.00	28.21	319.21	179.04	2	0.996	141.87	
24	130.7	234.6	43.7	111.97	90.00	28.21	319.17	179.04	2	0.998	141.82	
25	113.1	241.1	71.3	112.01	90.00	28.21	319.18	179.00	2	0.998	141.82	
26	103.3	204.1	111.3	111.97	90.00	28.21	319.04	179.00	2	0.998	141.83	
27	91.0	179.4	7.2	111.87	83.80	23.88	319.00	184.85	2	0.907	134.95	
28	84.7	328.7	7.2	111.84	77.30	20.70	319.00	184.15	2	0.911	128.23	
29	139.4	351.5	49.4	112.49	90.00	28.21	319.19	179.49	2	0.999	141.51	
30	242.4	118.1	122.4	113.00	90.00	28.21	319.48	178.27	2	0.999	141.37	
1014.00												

## POWER GENERATION SIMULATION

Year : 1966

DATE: 11/11/68  
FBI - 31020 m

Rated Head	:	172.30 m
Max. Plant Discharge	:	92.00 cum

Installed Capacity : 142.0 MW

Date	Discharge Date (mm)	Discharge P.M. (mm)	R.M.W. or Tail (mm)	Discharge (mm)	Flow (cfs)	Plant Q (cfs)	Loss (cfs)	Raw Water (cfs)	Effluent (cfs)	Effluent Flow (cfs)	Effluent Quality (mg/l)	Output (cfs)	Flow (cfs)
Jul 1	209.3	412.4	119.3	124.8	90.0	34.21	318.40	178.90	2	0.899	141.31		
2	171.6	324.9	77.4	102.0	90.0	34.21	318.40	178.90	2	0.899	141.31		
3	126.4	240.2	72.4	122.10	90.0	34.21	318.40	178.90	2	0.899	141.31		
4	120.4	234.9	74.4	111.90	90.0	34.21	318.40	178.90	2	0.899	141.31		
5	107.3	197.5	17.2	111.70	90.0	34.21	319.04	179.07	2	0.894	141.88		
6	94.5	176.7	7.2	111.68	87.6	24.73	319.50	180.82	2	0.901	139.74		
7	84.3	130.1	7.2	111.35	79.0	31.74	319.60	182.71	2	0.902	137.74		
8	74.9	125.7	7.2	111.40	67.7	15.85	319.00	191.44	2	0.910	135.74		
9	64.3	125.2	7.2	111.34	57.3	11.43	319.00	196.22	2	0.906	96.95		
10	44.3	108.4	7.2	111.34	55.3	10.43	318.00	197.11	2	0.904	95.51		
11	54.0	101.2	7.2	111.19	44.8	8.29	319.00	199.52	2	0.978	83.42		
12	54.1	96.9	7.2	111.16	44.7	7.64	319.00	200.11	2	0.970	80.01		
13	54.4	91.3	7.2	111.12	43.2	6.90	319.00	201.36	2	0.934	72.97		
14	44.4	84.8	7.2	111.11	39.4	5.61	319.00	202.49	1	0.950	70.14		
15	51.1	84.3	7.2	111.11	37.9	7.99	319.00	203.52	1	0.973	61.06		
16	44.3	102.7	7.2	111.31	37.3	11.43	319.00	204.56	2	0.906	95.04		
17	58.0	96.7	7.2	111.17	31.4	8.41	319.00	198.19	2	0.946	90.38		
18	54.0	93.6	7.2	111.14	44.0	8.39	319.00	199.57	2	0.976	85.43		
19	51.3	84.3	7.2	111.09	44.1	6.77	318.00	201.14	2	0.938	74.70		
20	44.4	81.9	7.2	111.07	36.4	5.41	319.00	202.52	1	0.920	70.98		
21	44.7	81.7	7.2	111.06	37.5	4.90	319.00	209.04	1	0.904	67.43		
22	42.8	81.7	7.2	111.06	31.6	4.41	319.00	203.53	1	0.910	64.43		
23	57.8	104.2	7.2	111.22	38.8	8.93	319.00	198.84	2	0.962	84.57		
24	72.9	125.3	7.2	111.40	63.8	15.08	319.00	193.23	2	0.939	122.84		
25	51.3	111.4	7.2	111.24	44.1	6.77	319.00	200.97	2	0.928	74.62		
26	44.8	94.3	7.2	111.18	41.3	5.94	319.00	203.90	1	0.947	69.23		
27	47.3	84.3	7.2	111.09	40.3	5.66	319.00	205.25	2	0.943	67.30		
28	44.6	81.9	7.2	111.07	39.1	5.14	319.00	206.52	1	0.900	70.98		
29	45.7	81.7	7.2	111.06	36.5	5.14	319.00	207.76	1	0.903	69.11		
30	44.7	81.9	7.2	111.07	37.5	4.90	319.00	203.53	1	0.904	67.43		
31	42.8	81.7	7.2	111.06	31.6	4.41	319.00	203.53	1	0.910	64.43	91.99	
Aug 1	41.0	72.1	7.2	111.01	31.9	3.94	319.00	204.81	1	0.912	61.40		
2	36.1	70.7	7.2	110.99	28.9	3.3	319.00	204.40	1	0.909	54.36		
3	37.2	64.3	7.2	110.96	30.0	3.1	319.00	204.91	1	0.907	54.44		
4	32.2	77.3	7.2	111.93	45.0	7.65	319.00	200.93	2	0.961	74.46		
5	58.1	81.9	7.2	111.12	31.4	8.27	319.00	198.40	2	0.985	88.87		
6	51.3	81.9	7.2	111.07	44.1	6.77	319.00	201.14	2	0.938	74.70		
7	43.8	72.1	7.2	111.01	31.6	4.41	319.00	203.53	1	0.915	61.40		
8	36.1	72.9	7.2	111.00	26.9	3.3	319.00	204.67	1	0.909	54.45		
9	37.2	64.3	7.2	110.97	30.0	3.1	319.00	204.90	1	0.907	54.38		
10	37.2	70.7	7.2	110.99	30.0	3.1	319.00	204.88	1	0.907	54.45		
11	36.4	70.7	7.2	110.99	29.2	2.97	319.00	205.05	1	0.905	51.30		
12	34.4	64.3	7.2	110.94	28.2	2.97	319.00	205.08	1	0.905	53.11		
13	36.4	64.1	7.2	110.94	28.2	2.97	319.00	205.09	1	0.905	53.11		
14	35.5	64.1	7.2	110.94	28.3	2.79	319.00	205.27	1	0.902	51.35		
15	35.5	61.9	7.2	110.93	28.3	2.79	319.00	205.28	1	0.902	51.35		
16	32.9	61.9	7.2	110.93	23.7	2.30	319.00	205.77	1	0.880	44.11		
17	30.3	56.1	7.2	110.90	23.1	1.84	319.00	206.34	1	0.877	40.74		
18	24.6	54.3	7.2	110.87	21.4	1.59	319.00	206.92	1	0.839	37.75		
19	27.8	54.3	7.2	110.87	26.1	1.48	319.00	206.97	1	0.851	35.81		
20	31.8	54.3	7.2	110.87	26.1	1.48	319.00	206.97	1	0.851	35.81		
21	27.8	58.1	7.2	110.90	30.4	1.48	319.00	206.92	1	0.851	35.81		
22	31.2	54.1	7.2	110.90	24.0	2.81	319.00	206.69	1	0.879	43.41		
23	30.1	51.7	7.2	111.04	42.9	11.78	319.00	194.14	2	0.907	108.52		
24	374.2	449.8	234.2	112.80	90.0	34.21	315.77	176.74	2	0.899	141.60		
25	241.2	402.2	170.3	112.55	90.0	34.21	315.53	176.77	2	0.899	141.64		
26	112.8	234.4	22.8	111.97	90.0	34.21	319.08	176.80	2	0.906	141.77		
27	103.2	182.4	13.3	111.49	90.0	34.21	319.04	179.14	2	0.906	141.92		
28	94.8	167.7	7.2	111.48	87.6	24.73	319.00	180.79	2	0.901	139.87		
29	80.4	136.3	7.2	111.41	71.4	18.76	319.00	186.82	2	0.912	129.81		
30	108.1	140.0	18.1	111.57	90.0	34.21	319.04	179.24	2	0.906	142.00		
31	21.8	129.8	7.2	111.62	87.6	24.73	319.00	180.63	2	0.901	139.79	77.39	
Aug 1	125.3	302.7	52.3	111.84	90.0	28.21	318.17	178.06	2	0.896	141.88		
2	187.1	417.1	97.1	112.91	90.0	28.21	319.34	178.22	2	0.899	141.34		
3	344.6	799.4	294.6	112.47	90.0	28.21	318.79	176.11	2	0.899	141.20		
4	437.2	911.4	447.3	113.49	90.0	28.21	320.33	175.32	2	0.899	141.40		
5	301.2	776.1	311.3	113.44	90.0	28.21	320.00	175.34	2	0.899	141.42		
6	340.2	679.0	292.2	113.20	90.0	28.21	319.76	176.37	2	0.899	141.43		
7	346.2	577.7	238.8	112.99	90.0	28.21	319.73	176.52	2	0.899	141.53		
8	321.0	450.3	231.0	112.88	90.0	28.21	319.66	176.57	2	0.899	141.54		
9	344.7	437.1	184.7	112.74	90.0	28.21	319.49	176.54	2	0.899	141.54		
10	188.1	740.2	108.1	112.55	90.0	28.21	319.37	176.41	2	0.899	141.53		
11	159.7	681.3	99.7	112.55	90.0	28.21	319.34	176.79	2	0.899	141.70		
12	128.0	624.9	34.0	111.91	90.0	28.21	319.00	176.80	2	0.899	141.84		
13	109.0	305.4	8.00	111.81	90.0	28.21	319.07	176.82	2	0.898	141.86		
14	128.9	194.4	34.9	111.74	90.0	28.21	319.15	176.18	2	0.898	141.95		
15	202.4	302.7	113.6	111.84	90.0	28.21	319.36	175.37	2	0.898	142.00		
16	238.9	434.4	148.9	112.77	90.0	28.21	319.47	176.49	2	0.898	141.51		
17	280.1	412.4	120.1	112.40	90.0	28.21	319.57	176.57	2	0.899	141.62		
18	187.3	289.1	97.1	112.25	90.0	28.21	319.34	176.86	2	0.898	141.76		
19	128.0	241.1	36.0	112.01	90.0	28.21	319.15	176.93	2	0.898	141.79		
20	110.5	204.6	30.9	111.83	90.0	28.21	319.08	176.94	2	0.898	141.84		
21	95.7	191.5	7.2	111.74	86.3	27.98	319.00	179.83	2	0.900	140.53		
22	80.6	167.8	7.2	111.41	71.4	18.76	319.00	186.63	2	0.912	129.89		
23	74.7	144.9	7.2	111.47	68.3	16.82	319.00	190.71	2	0.911	118.34		
24	45.4	136.3	7.2	111.41	54.2	11.80	319.00	195.79	2	0.905	100.48		
25	48.1	125.2	7.2	111.37	51.4	9.44	319.00	196.62	2	0.937	90.39		
26	32.2	112.9	7.2	111.31	44.0	8.39	319.00	200.30	2	0.904	70.34		
27	32.2	112.9	7.2	111.31	44.0	8.39	319.00	200.34	2	0.904	70.34		
28	30.4	108.6	7.2	111.34	43.2	6.90	319.00	201.36	2	0.935	72.80		
29	47.3	104.3	7.2	111.32	40.3	5.44	319.00	202.12	2	0.942	67.23		
30	44.6	103.7	7.2	111.31	39.4	5.41	319.00	202.30	1	0.900	70.34		

[illegible]

POWER GENERATION SIMULATION

Year: 1957

Den. Air S  
F.L.S. 319.00 M

Rated Head : 179.30 m  
Max. Plant Discharge : 90.00 cms

Installed Capacity : 1410 MW

Date	Discharge Dm (cms)	Discharge F.L.S. (cms)	RMP or Td Spillage level in (cms)	Plant Q level in (cms)	Loss	Eff. level	Eff. Head Head h	Eff. Unit Unit ary	Output MW	Month y Ave. MW		
Jan	1	107.2	341.1	17.3	112.91	90.0	28.21	319.54	178.34	2	0.999	141.75
	2	113.8	302.1	23.3	111.84	90.0	28.21	319.09	179.04	2	0.999	141.84
	3	124.2	197.3	34.3	111.78	90.0	28.21	319.13	179.15	2	0.999	141.93
	4	201.4	254.1	111.4	112.97	90.0	28.21	319.34	179.10	2	0.999	141.90
	5	223.6	273.3	133.6	112.10	90.0	28.21	319.44	179.64	2	0.999	141.87
	6	170.0	213.9	60.0	111.89	90.0	28.21	319.23	179.14	2	0.999	141.82
	7	124.2	176.7	34.3	111.45	90.0	28.21	319.15	179.24	2	0.999	141.90
	8	104.3	159.1	14.3	111.55	90.0	28.21	319.04	179.32	2	0.999	141.90
	9	128.9	194.4	38.9	111.74	90.0	28.21	319.13	179.18	2	0.999	141.93
	10	109.0	213.8	18.0	111.86	90.0	28.21	319.07	179.94	2	0.999	141.93
	11	92.9	176.7	7.2	111.46	90.0	28.21	319.00	179.94	2	0.999	141.93
	12	71.8	150.5	7.2	111.50	90.0	28.21	319.00	179.94	2	0.999	141.93
	13	62.5	152.3	7.2	111.49	90.0	28.21	319.00	179.94	2	0.999	141.93
	14	63.5	152.3	7.2	111.53	90.0	28.21	319.00	179.94	2	0.999	141.93
	15	68.2	152.3	7.2	111.53	90.0	28.21	319.00	179.94	2	0.999	141.93
	16	71.0	152.0	7.2	111.54	90.0	28.21	319.00	179.94	2	0.999	141.93
	17	61.7	152.2	7.2	111.54	90.0	28.21	319.00	179.94	2	0.999	141.93
	18	56.0	150.4	7.2	111.54	90.0	28.21	319.00	179.94	2	0.999	141.93
	19	54.0	151.2	7.2	111.19	48.8	6.39	319.00	179.92	2	0.778	83.62
	20	44.6	94.3	7.2	111.14	79.4	5.41	319.00	202.64	1	0.920	70.25
	21	43.7	91.3	7.2	111.13	78.5	5.16	319.00	202.71	1	0.903	69.98
	22	44.6	93.9	7.2	111.14	79.4	5.41	319.00	202.43	1	0.900	70.36
	23	23.2	94.7	7.2	111.17	64.6	7.37	319.00	203.46	2	0.847	79.51
	24	96.3	181.2	9.5	111.19	90.0	28.21	319.02	179.92	2	0.999	141.93
	25	132.8	132.5	63.9	111.40	90.0	28.21	319.23	179.63	2	0.994	142.00
	26	132.8	139.4	42.8	111.67	90.0	28.21	319.17	179.34	2	0.994	142.00
	27	104.4	194.4	10.4	111.74	90.0	28.21	319.02	179.95	2	0.999	141.93
	28	90.9	176.7	7.2	111.46	90.0	28.21	319.00	179.94	2	0.999	141.93
	29	83.4	147.7	7.2	111.48	90.0	28.21	319.00	179.94	2	0.999	141.93
	30	93.8	134.3	7.2	111.41	94.2	26.32	319.00	179.29	2	0.911	127.40
	31	16.2	186.7	7.2	111.41	79.0	21.78	319.00	182.83	2	0.959	130.23
Feb	1	80.4	125.2	7.2	111.34	73.4	16.76	319.00	188.99	2	0.912	123.86
	2	110.9	196.3	20.9	111.54	90.0	28.21	319.08	179.33	2	0.999	142.00
	3	111.9	200.7	61.9	111.84	90.0	28.21	319.23	179.18	2	0.999	141.93
	4	207.2	296.6	117.2	112.37	90.0	28.21	319.39	178.82	2	0.999	141.93
	5	209.5	298.7	119.3	112.34	90.0	28.21	319.40	178.95	2	0.999	141.93
	6	154.7	244.2	64.2	112.02	90.0	28.21	319.25	179.01	2	0.999	141.93
	7	110.9	194.4	20.9	111.74	90.0	28.21	319.08	179.33	2	0.999	141.93
	8	98.5	182.0	9.5	111.57	90.0	28.21	319.02	179.33	2	0.999	141.93
	9	123.3	176.7	7.2	111.46	90.0	28.21	319.13	179.24	2	0.999	141.93
	10	104.1	213.8	18.1	111.86	90.0	28.21	319.07	179.94	2	0.999	141.93
	11	123.3	206.1	31.3	111.94	90.0	28.21	319.13	179.94	2	0.999	141.93
	12	171.3	276.7	81.5	112.13	90.0	28.21	319.29	178.50	2	0.999	141.93
	13	214.6	298.7	124.8	112.34	90.0	28.21	319.42	178.97	2	0.999	141.93
	14	202.8	272.0	113.4	112.15	90.0	28.21	319.34	179.02	2	0.999	141.93
	15	116.4	227.3	77.4	112.09	90.0	28.21	319.28	178.94	2	0.999	141.93
	16	123.3	209.7	32.3	111.84	90.0	28.21	319.13	179.07	2	0.999	141.93
	17	133.7	228.1	43.7	111.94	90.0	28.21	319.17	179.02	2	0.999	141.93
	18	170.6	317.7	80.6	112.44	90.0	28.21	319.29	178.64	2	0.999	141.93
	19	191.4	412.6	101.4	112.49	90.0	28.21	319.35	178.43	2	0.999	141.93
	20	176.6	352.3	84.6	112.51	90.0	28.21	319.31	178.39	2	0.999	141.93
	21	115.7	306.9	63.7	112.31	90.0	28.21	319.24	178.72	2	0.999	141.93
	22	188.5	376.7	79.3	112.18	90.0	28.21	319.29	178.90	2	0.999	141.93
	23	297.6	480.1	207.4	112.39	90.0	28.21	319.41	178.81	2	0.999	141.93
	24	277.2	480.3	207.2	112.48	90.0	28.21	319.47	178.64	2	0.999	141.93
	25	288.6	533.4	196.4	112.04	90.0	28.21	319.39	178.34	2	0.999	141.93
	26	155.7	625.2	265.7	113.30	90.0	28.21	319.73	178.32	2	0.999	141.93
	27	407.1	639.4	317.1	113.30	90.0	28.21	319.83	178.42	2	0.999	141.93
	28	405.6	545.4	315.6	113.11	90.0	28.21	319.83	178.51	2	0.999	141.93
Mar	1	261.7	571.2	291.7	113.00	90.0	28.21	319.76	178.57	2	0.999	141.93
	2	298.6	446.0	288.8	112.79	90.0	28.21	319.61	178.61	2	0.999	141.93
	3	223.9	398.2	133.9	112.65	90.0	28.21	319.44	178.54	2	0.999	141.93
	4	176.4	334.3	84.6	112.42	90.0	28.21	319.31	178.68	2	0.999	141.93
	5	197.5	377.7	103.5	112.44	90.0	28.21	319.36	178.71	2	0.999	141.93
	6	221.3	409.0	131.2	112.48	90.0	28.21	319.43	178.54	2	0.999	141.93
	7	181.8	341.2	91.6	112.45	90.0	28.21	319.32	178.64	2	0.999	141.93
	8	133.7	289.7	63.7	112.34	90.0	28.21	319.24	178.80	2	0.999	141.93
	9	138.0	277.3	36.9	112.09	90.0	28.21	319.15	178.83	2	0.999	141.93
	10	110.9	221.8	20.9	111.91	90.0	28.21	319.06	178.94	2	0.999	141.93
	11	103.3	197.5	12.3	111.78	90.0	28.21	319.04	179.05	2	0.999	141.93
	12	96.1	179.6	7.2	111.67	81.9	21.36	319.00	179.06	2	0.807	113.77
	13	90.9	164.9	7.2	111.59	83.7	24.40	319.00	180.01	2	0.806	113.95
	14	97.7	162.0	7.2	111.57	90.0	28.21	319.00	179.22	2	0.999	141.93
	15	97.7	161.9	7.2	111.59	90.0	28.21	319.00	179.21	2	0.999	141.93
	16	81.5	150.5	7.2	111.50	74.3	19.23	319.00	180.27	2	0.911	124.96
	17	70.1	153.3	7.2	111.40	63.9	13.76	319.00	180.82	2	0.907	106.31
	18	60.7	122.3	7.2	111.33	53.3	9.97	319.00	180.90	2	0.890	92.23
	19	58.8	119.7	7.2	111.31	51.6	9.27	319.00	180.42	2	0.885	84.77
	20	54.9	111.4	7.2	111.24	48.7	8.60	319.00	180.14	2	0.879	82.28
	21	54.0	108.6	7.2	111.24	48.8	8.78	319.00	180.47	2	0.876	83.60
	22	55.1	100.7	7.2	111.21	47.9	7.99	319.00	180.80	2	0.873	81.92
	23	64.5	96.7	7.2	111.17	57.3	11.43	319.00	180.39	2	0.898	98.06
	24	41.7	108.6	7.2	111.24	54.5	16.34	319.00	180.43	2	0.952	94.04
	25	64.5	116.9	7.2	111.29	57.3	11.40	319.00	180.44	2	0.958	94.11
	26	68.3	122.3	7.2	111.31	61.1	13.94	319.00	180.67	2	0.904	105.43
	27	70.6	133.5	7.2	111.40	72.4	16.36	319.00	180.35	2	0.912	102.47
	28	140.4	230.8	50.4	112.06	90.0	28.21	319.19	178.97	2	0.998	141.79
	29	185.7	487.9	105.7	112.90	90.0	28.21	319.24	178.23	2	0.998	141.54
	30	111.5	354.9	28.5	112.90	90.0	28.21	319.11	178.40	2	0.999	141.65
	31	106.2	267.0	16.2	112.12	90.0	28.21	319.05	178.71	2	0.999	141.65

Date	Discharge Dm (cms)	Discharge F.L.S. (cms)	RMP or Td Spillage water level in (cms)	Plant Q level in (cms)	Loss	Eff. level	Eff. Head Head h	Eff. Unit Unit ary	Output MW	Month y Ave. MW		
Apr	1	100.4	311.7	10.4	111.84	90.0	28.21	319.03	178.95	2	0.999	141.80
	2	105.2	197.3	13.3	111.78	90.0	28.21	319.05	179.04	2	0.998	141.87
	3	80.6	175.7	7.2	111.66	74.40	16.78	319.00	180.58	2	0.999	141.83
	4	78.6	156.3	7.2	111.54	72.40	16.28	319.00	180.21	2	0.999	141.83
	5	72.0	144.9	7.2	111.47	68.00	15.08	319.00	180.43	2	0.999	141.84
	6	64.3	122.5	7.2	111.35	57.30	11.43	319.00	180.29	2	0.998	98.97
	7	58.8	116.9	7.2	111.29	52.80	8.64	319.00	180.07	2	0.997	90.40
	8	54.0	108.6	7.2	111.24	48.00	9.25	319.00	179.47	2	0.996	83.40
	9	52.3	103.7	7.2	111.21	43.00	7.65	319.00	179.17	2	0.997	74.98
	10	47.5	96.3	7.2	111.14	40.30	5.64	319.00	179.19	2	0.993	67.27
	11	44.6	91.3	7.2	111.13	39.40	5.41	319.00	180.27	2	0.990	70.34
	12	43.6	85.9	7.2	111.07	35.40	4.41	319.00	180.51	2	0.990	64.62
	13	39.1	77.5	7.2	111.03	31.00	3.54	319.00	180.43	2	0.991	53.20
	14	38.1	72.9	7.2	111.00	30.00	3.33	319.00	180.47	2	0.990	56.30
	15	34.4	70.7	7.2	110.99	28.20	2.97	319.00	180.05	2	0.990	53.95
	16	34.4	68.5	7.2	110.97	28.20	2.97	319.00	180.04	2	0.990	53.11
	17	33.5	68.5	7.2	110.97	28.30	2.78	319.00	180.34	2	0.992	51.34
	18	34.7	70.7	7.2	110.99	27.30	2.63	319.00	180.34	2	0.999	49.74
	19	33.7	68.5	7.2	110.97	26.50	2.47	319.00	180.58	2	0.994	47.73
	20	33.7	64.1	7.2	110.94	24.50	2.43	319.00	180.81	2	0.994	47.74
	21	32.0	61.9	7.2	110.93	24.60	2.14	319.00	180.95	2	0.994	44.26
	22	34.7	60.0	7.2	110.91	23.70	2.63	319.00	180.93	2	0.994	44.26
	23	33.9	58.1	7.2	110.90	23.70	2.30	319.00	180.93	2	0.990	45.13
	24	31.2	51.1	7.2	110.90	24.00	2.51	319.00	180.08	2	0.989	42.41
	25	30.3	54.3	7.2	110.89	23.10	1.84	319.00	180.27	2	0.993	40.75
	26	28.8	50.7	7.2	111.31	48.40	14.38	319.00	181.41	2	0.991	117.22
	28	123.3	135.4	33.3	111.52	90.0	28.21	319.13	179.40	2	0.996	142.00
	29	94.3	135.5	7.2	111.40	97.40	24.73	319.00	180.64	2	0.991	139.93
	30	74.9	101.2	7.2	111.19	67.70	15.96	319.00	181.93	2	0.991	115.89
May	1	54.9	91.3	7.2	111.12	46.70	8.60	319.00	179.37	2	0.979	83.34
	2	47.5	83.9	7.2	111.07	46.30	5.66	319.00	180.37	2	0.943	67.40
	3	44.6	70.7	7.2	110.99	39.40	5.41	319.00	180.61	2	0.900	70.00
	4	44.7	64.3	7.2	110.94	37.30	4.90	319.00	180.15	2	0.904	67.66
	5	41.9	64.1	7.2	110.94	34.70	4.19	319.00	180.87	2	0.911	63.17
	6	41.0	61.9	7.2	110.93	33.80	3.98	319.00	180.10	2	0.912	61.40
	7	41.0	61.9	7.2	110.93	33.80	3.98	319.00	180.10	2	0.912	61.40
	8	40.0	61.9	7.2	110.93	33.80	3.75	319.00	180.33	2	0.911	58.86
	9	39.1	61.9	7.2	110.93	33.90	3.54	319.00	180.35	2	0.911	58.23
	10	36.1	60.0	7.2	110.91	30.90	3.33	319.00	180.74	2	0.908	54.28
	11	36.1	60.0	7.2	110.91	30.90	3.33	319.00	180.74	2	0.908	54.28
	12	36.1	58.1	7.2	110.90	30.90	3.33	319.00	180.74	2	0.908	54.28
	13	36.4	53.4	7.2	110.84	28.30	2.97	319.00	180.17	2	0.903	53.14
	14	33.7	53.4	7.2	110.84	24.50	2.43	319.00	180.98	2	0.904	47.76
	15	33.7	50.5	7.2	110.83	24.50	2.14	319.00	180.71	2	0.904	47.76
	16	30.3	48.0	7.2	110.83	23.10	1.84	319.00	180.31	2	0.977	40.77
	17	28.6	46.7	7.2	110.82	21.40	1.99	319.00	180.54	2	0.939	37.20
	18	27.6	46.7	7.2	110.82	20.40	1.68	319.00	180.70	2	0.931	35.52
	19	27.0	44.8	7.2	110.81	19.00	1.37	319.00	180.83	2	0.944	33.65
	20	26.1	44.8	7.2	110.81	18.00	1.34	319.00	180.95	2	0.934	31.97
	21	23.7	50.5	7.2	110.83	24.50	2.43	319.00	180.71	2	0.994	47.77
	22	63.4	53.4	7.2	110.84	58.20	11.80	319.00	180.34	2	0.900	100.80
	23	80.6	83.9	7.2	111.07	74.40	16.78	319.00	181.16	2	0.912	124.02
	24	64.3	116.0	7.2	111.25	57.30	11.43	319.00	180.27	2	0.998	98.99
	25	52.2	96.3	7.2	111.14	45.00	7.65	319.00	180.79	2	0.963	74.40
	26	37.2	77.3	7.2	111.03	30.00	3.13	319.00	180.84	2	0.907	54.00
	27	32.9	58.1	7.2	110.90	23.70	2.30	319.00	180.93	2	0.900	44.12
	28	31.3	54.3	7.2	110.87	24.60	2.00	319.00	180.93	2	0.973	43.42
	29	27.6	53.4	7.2	110.84	20.40	1.68	319.00	180.64	2	0.951	35.52
	30	23.8	53.4	7.2	110.84	23.70	2.30	319.00	180.84	2	0.990	44.13
	31	24.7	52.4	7.2	110.84	27.90	2.67	319.00	180.51	2	0.999	49.78
Jun	1	72.0	53.4	7.2	110.94	24.80	2.14	319.00	180.80	2	0.984	44.38
	2	31.2	54.3	7.2	110.87	24.00	2.01	319.00	180.12	2	0.979	43.82
	3	30.3	58.1	7.2	110.90	23.10	1.86	319.00	180.34	2	0.973	40.74
	4	40.0	105.7	7.2	111.21	38.70	3.75	319.00	180.05	2	0.991	59.78
	5	71.1	162.0	7.2	111.57	63.90	14.22	319.00	179.21	2	0.996	120.81
	6	136.2	386.3	34.3	112.22	90.0	28.21	319.13	179.40	2	0.999	141.83
	7	151.4	300.4	101.4	112.30	90.0	28.21	319.13	179.40	2	0.999	141.83
	8	123.3	195.7	83.6	111.80	90.0	28.21	319.13	179.40	2	0.999	141.83
	9	98.6	146.8	66.1	111.47	90.0	28.21	319.13	179.40	2	0.999	141.83
	10	74.0	129.7	7.2	111.31	64.80	15.54	319.00	180.82	2	0.998	141.77
	11	56.9	94.3	7.2	111.09	49.70	8.60	319.00	180.31	2	0.979	83.36
	12	74.0	191.2	7.2	111.19	64.80	15.54	319.00	180.27	2	0.990	114.54
	13	86.2	125.2	7.2	111.34	78.00	21.74	319.00	181.92	2	0.989	130.90
	14	83.3	140.0	7.2	111.45	78.10	21.94	319.00	180.31	2	0.990	129.74
	15	81.5	160.0	7.2	111.57	74.30	19.03	319.00	180.30	2	0.991	124.90
	16	78.7	147.3	7.2	111.48	71.70	17.80	319.00	180.71	2	0.992	121.18
	17	63.4	139.3	7.2	111.43	58.20	11.60	319.00	180.77	2	0.990	100.44
	18	64.3	122.2	7.2	111.43	57.30	11.43	319.00	180.22	2	0.998	98.94
	19	63.4	111.4	7.2	111.24	58.20	11.60	319.00	180.95	2	0.990	100.37
	20	71.1	101.2	7.2	111.19	63.90	14.22	319.00	180.29	2	0.994	100.04
	21	69.2	93.6	7.2	111.14	62.00	13.38	319.00	180.67	2	0.994	100.04
	22	64.4	84.8	7.2	111.11	59.20	12.21	319.00	180.67	2	0.992	102.34
	23	54.0	83.9	7.2	111.07	48.80	8.29	319.00	180.67	2	0.992	83.86
	24	46.3	72.9	7.2	111.01	45.00	7.05	319.00	180.93	2	0.963	74.40
	25	46.3	72.9	7.2	111.01	45.00	7.05	319.00	180.93	2	0.963	74.40
	26	43.8	64.3	7.2	110.97	34.80	4.67	319.00	180.36	2	0.998	64.34
	27	43.0	64.3	7.2	110.94	33.00	3.98	319.00	180.07	2	0.992	61.62
	28	38.1	58.1	7.2	110.90	30.90	3.33	319.00	180.74	2	0.990	54.28
	29	38.1	53.4	7.2	110.84	30.90	3.33	319.00	180.81	2	0.989	54.28
	30	37.2	54.3	7.2	110.87	30.00	3.13	319.00	180.99	2	0.997	54.08

# POWER GENERATION SIMULATION

Year: 1967  
 Date: 1967-01-01  
 PSL: 119.00 m  
 Road Head: 179.30 m  
 Installed Capacity: 142.5 MW  
 Min. Plant Discharge: 90.00 m

Date	Discharge Dm (cm)	Discharge Fm (cm)	Rd/Pl at Tail Sp/Plg water level m (cm)	Plant Q level m (cm)	Loss level m (cm)	Road level m (cm)	Efficiency Head h	Unit Unit sec	Output MW	Month y Ave. MW
Jul 1	41.3	70.7	72.110.59	38.1	3.05	119.00	303.96	1	0.904	68.54
2	44.7	72.9	72.111.00	38.5	3.43	119.00	302.57	1	0.900	70.39
3	45.3	70.7	72.110.99	38.1	3.06	119.00	303.96	1	0.904	68.54
4	41.1	64.1	72.110.94	33.9	4.02	119.00	304.06	1	0.912	61.80
5	36.7	61.9	72.110.97	32.5	3.46	119.00	304.40	1	0.911	58.70
6	38.5	60.0	72.110.91	31.3	3.41	119.00	304.68	1	0.910	57.13
7	38.5	60.0	72.110.91	31.3	3.41	119.00	304.68	1	0.910	57.13
8	37.3	58.1	72.110.90	30.0	3.13	119.00	304.97	1	0.907	54.67
9	43.9	58.1	72.110.97	30.7	4.89	119.00	303.34	1	0.908	64.43
10	55.3	56.3	72.111.00	48.1	8.06	119.00	309.81	2	0.874	84.35
11	53.7	53.9	72.111.07	46.3	7.33	119.00	302.40	2	0.849	78.32
12	48.1	51.1	72.111.01	40.9	5.83	119.00	305.16	2	0.845	66.50
13	50.9	50.5	72.111.04	43.7	6.65	119.00	301.30	2	0.838	73.94
14	76.7	118.7	72.111.31	69.3	16.82	119.00	190.37	2	0.911	118.46
15	111.3	179.7	72.111.64	90.0	28.31	119.00	179.23	2	0.998	111.98
16	100.8	182.0	72.111.57	90.0	28.31	119.00	179.24	2	0.998	142.00
17	128.4	200.3	72.111.79	90.0	28.31	119.00	179.13	2	0.998	111.97
18	130.4	205.6	72.111.81	90.0	28.31	119.00	179.16	2	0.998	141.92
19	117.0	182.6	72.111.89	90.0	28.31	119.00	179.20	2	0.998	141.94
20	105.8	162.0	72.111.57	90.0	28.31	119.00	179.24	2	0.998	141.90
21	99.1	139.1	72.111.43	81.9	23.36	119.00	184.21	2	0.907	134.15
22	60.3	125.2	72.111.34	73.0	18.36	119.00	189.10	2	0.912	123.31
23	69.6	106.2	72.111.34	65.4	13.96	119.00	194.20	2	0.905	107.40
24	61.7	94.3	72.111.14	54.3	10.34	119.00	197.50	2	0.902	94.13
25	55.3	84.3	72.111.09	48.9	8.83	119.00	199.81	2	0.874	82.35
26	57.7	83.9	72.111.07	46.3	7.33	119.00	200.40	2	0.849	78.32
27	30.9	78.5	72.111.04	43.7	6.65	119.00	201.30	2	0.838	73.94
28	44.1	71.1	72.111.01	40.9	5.83	119.00	202.16	2	0.843	68.70
29	44.7	72.9	72.111.00	38.5	3.43	119.00	202.57	2	0.900	70.39
30	43.3	70.7	72.110.99	38.1	3.06	119.00	203.96	2	0.904	68.54
31	47.9	64.5	72.110.97	36.7	4.89	119.00	203.34	2	0.908	64.43

Date	Discharge Dm (cm)	Discharge Fm (cm)	Rd/Pl at Tail Sp/Plg water level m (cm)	Plant Q level m (cm)	Loss level m (cm)	Road level m (cm)	Efficiency Head h	Unit Unit sec	Output MW	Month y Ave. MW
Oct 1	132.4	191.3	72.111.74	90.0	28.31	119.00	179.14	2	0.998	141.94
2	111.8	167.8	72.111.61	90.0	28.31	119.00	179.24	2	0.998	142.00
3	106.3	159.1	72.111.53	90.0	28.31	119.00	179.29	2	0.998	141.98
4	185.0	218.5	72.111.89	90.0	28.31	119.00	179.23	2	0.998	141.98
5	164.6	237.9	72.111.99	90.0	28.31	119.00	179.07	2	0.998	141.92
6	128.0	194.4	72.111.76	90.0	28.31	119.00	179.14	2	0.998	141.94
7	113.8	162.0	72.111.57	90.0	28.31	119.00	179.24	2	0.998	141.90
8	96.7	143.9	72.111.43	81.9	23.36	119.00	184.21	2	0.907	134.15
9	63.4	125.2	72.111.34	73.0	18.36	119.00	189.10	2	0.912	123.31
10	70.6	122.5	72.111.33	72.40	18.36	119.00	189.42	2	0.912	123.32
11	74.0	114.2	72.111.27	64.90	15.54	119.00	192.10	2	0.910	114.49
12	70.1	106.5	72.111.24	62.90	15.76	119.00	193.08	2	0.907	108.41
13	64.4	116.8	72.111.29	58.20	13.21	119.00	195.20	2	0.902	102.33
14	65.4	105.7	72.111.31	58.20	11.80	119.00	196.20	2	0.900	100.40
15	63.5	94.3	72.111.14	54.30	11.04	119.00	198.50	2	0.904	97.32
16	59.8	91.3	72.111.12	52.40	9.94	119.00	199.24	2	0.898	90.71
17	50.8	84.3	72.111.09	51.40	9.27	119.00	199.84	2	0.892	86.28
18	50.8	84.3	72.111.09	51.40	9.27	119.00	199.84	2	0.892	86.28
19	94.8	122.3	72.111.27	67.40	24.73	119.00	180.25	2	0.901	139.97
20	130.0	194.4	72.111.76	90.0	28.31	119.00	179.14	2	0.998	141.94
21	221.2	305.4	72.111.89	90.0	28.31	119.00	179.07	2	0.998	141.92
22	208.0	290.3	72.111.81	90.0	28.31	119.00	179.16	2	0.998	141.92
23	185.0	218.5	72.111.89	90.0	28.31	119.00	179.23	2	0.998	141.98
24	164.6	237.9	72.111.99	90.0	28.31	119.00	179.07	2	0.998	141.92
25	128.0	194.4	72.111.76	90.0	28.31	119.00	179.14	2	0.998	141.94
26	113.8	162.0	72.111.57	90.0	28.31	119.00	179.24	2	0.998	141.90
27	96.7	143.9	72.111.43	81.9	23.36	119.00	184.21	2	0.907	134.15
28	63.4	125.2	72.111.34	73.0	18.36	119.00	189.10	2	0.912	123.31
29	70.6	122.5	72.111.33	72.40	18.36	119.00	189.42	2	0.912	123.32
30	74.0	114.2	72.111.27	64.90	15.54	119.00	192.10	2	0.910	114.49
31	70.1	106.5	72.111.24	62.90	15.76	119.00	193.08	2	0.907	108.41

## POWER GENERATION SIMULATION

Year: 1968

Dam Ash B

F.H.L. = 19.80 m

Rated Head :

179.30 m

Min. Plant Discharge :

90.00 cum

Installed Capacity :

142.5 MW

Date	Discharge Dam (cum)	Discharge F.H. (cum)	RMP or Tail Spillage water (cum)	Plant Q level m	Loss	Raw level	Effect Head h	Efficiency Unit sec	Output MW	Month		
										y Ave. MW		
Jan	1	32.3	91.7	7.2	111.04	4.51	7.98	319.00	305.84	2	0.843	74.64
	2	33.7	93.9	7.2	111.04	4.53	7.93	319.00	308.40	2	0.848	75.32
	3	43.8	48.5	7.2	110.97	36.7	4.49	319.00	303.34	1	0.938	64.43
	4	42.5	48.3	7.2	110.96	33.5	4.54	319.00	305.71	1	0.911	64.17
	5	38.5	60.0	7.2	110.91	31.3	5.41	319.00	304.48	1	0.910	57.13
	6	34.8	54.3	7.2	110.87	27.6	2.45	319.00	305.47	1	0.999	49.57
	7	33.5	52.4	7.2	110.84	24.4	2.43	319.00	305.71	1	0.794	47.54
	8	28.9	46.7	7.2	110.82	23.7	1.79	319.00	304.39	1	0.970	38.82
	9	28.7	44.8	7.2	110.81	21.5	1.41	319.00	304.55	1	0.850	37.41
	10	27.3	42.9	7.2	110.78	20.3	1.44	319.00	304.77	1	0.848	34.90
	11	25.3	38.7	7.2	110.77	18.3	1.17	319.00	304.76	1	0.828	30.75
	12	24.5	41.4	7.2	110.78	19.3	1.30	319.00	304.80	1	0.839	32.81
	13	28.8	46.7	7.2	110.82	22.7	1.79	319.00	304.39	1	0.870	38.82
	14	31.4	50.3	7.2	110.85	23.2	2.21	319.00	305.84	1	0.887	45.11
	15	31.1	48.6	7.2	110.85	23.9	1.99	319.00	304.18	1	0.878	42.42
	16	33.6	52.4	7.2	110.86	24.4	2.45	319.00	305.71	1	0.794	47.54
	17	37.3	58.1	7.2	110.90	30.0	3.13	319.00	304.97	1	0.907	54.67
	18	46.7	72.9	7.2	111.00	36.5	5.83	319.00	302.57	1	0.900	70.53
	19	43.9	68.5	7.2	110.97	34.7	4.48	319.00	303.34	1	0.898	64.43
	20	41.1	64.1	7.2	110.94	31.9	4.00	319.00	304.04	1	0.912	61.80
	21	33.7	83.9	7.2	111.07	44.5	7.33	319.00	302.40	2	0.848	75.32
	22	40.1	93.8	7.2	111.14	52.8	9.75	319.00	308.11	2	0.868	91.24
	23	38.5	91.3	7.2	111.12	51.3	9.17	319.00	308.71	2	0.884	88.30
	24	46.4	107.7	7.2	111.21	58.2	12.51	319.00	304.39	2	0.923	102.30
	25	55.3	96.3	7.2	111.09	68.1	8.96	319.00	309.83	2	0.874	82.35
	26	50.9	79.5	7.2	111.04	43.7	6.85	319.00	301.30	2	0.838	72.94
	27	50.9	79.5	7.2	111.04	43.7	6.85	319.00	301.30	2	0.838	72.94
	28	46.7	72.9	7.2	111.00	36.5	5.83	319.00	302.57	1	0.900	70.53
	29	38.5	60.0	7.2	110.91	31.3	5.41	319.00	304.48	1	0.910	57.13
	30	38.5	60.0	7.2	110.91	31.3	5.41	319.00	304.48	1	0.910	57.13
	31	76.7	119.7	7.2	111.31	96.5	16.93	319.00	300.87	2	0.911	118.16
62.79												
Feb	1	43.7	66.7	7.2	111.17	38.5	5.14	319.00	302.67	1	0.908	48.07
	2	32.0	71.3	7.2	111.02	24.8	2.14	319.00	305.83	1	0.864	44.34
	3	27.8	64.1	7.2	110.94	20.5	1.48	319.00	306.58	1	0.851	35.90
	4	23.8	61.9	7.2	110.93	16.6	0.94	319.00	307.12	1	0.807	27.20
	5	22.2	54.2	7.2	110.89	6.0	0.78	319.00	307.33	0	0.000	0.00
	6	22.2	54.2	7.2	110.89	6.0	0.78	319.00	307.33	0	0.000	0.00
	7	23.0	52.4	7.2	110.86	15.0	0.87	319.00	307.27	1	0.797	25.38
	8	23.8	50.3	7.2	110.83	14.6	0.94	319.00	307.19	1	0.807	27.21
	9	22.2	48.4	7.2	110.83	6.0	0.78	319.00	307.36	0	0.000	0.00
	10	21.4	44.8	7.2	110.81	6.0	0.70	319.00	307.49	0	0.000	0.00
	11	18.1	44.8	7.2	110.81	6.0	0.41	319.00	307.78	0	0.000	0.00
	12	23.8	42.9	7.2	110.79	16.6	0.94	319.00	307.23	1	0.807	27.22
	13	23.7	52.4	7.2	110.84	26.5	2.15	319.00	306.59	1	0.884	47.76
	14	22.9	60.0	7.2	110.81	23.7	1.30	319.00	305.78	1	0.890	44.12
	15	27.0	68.5	7.2	110.83	18.8	1.57	319.00	306.80	1	0.843	33.85
	16	21.4	42.9	7.2	110.79	6.0	0.70	319.00	307.30	0	0.000	0.00
	17	19.8	41.4	7.2	110.78	6.0	0.53	319.00	307.44	0	0.000	0.00
	18	17.4	34.2	7.2	110.74	6.0	0.34	319.00	307.84	0	0.000	0.00
	19	15.8	35.1	7.2	110.74	6.0	0.24	319.00	308.00	0	0.000	0.00
	20	13.8	33.1	7.2	110.74	6.0	0.24	319.00	308.00	0	0.000	0.00
	21	14.2	33.1	7.2	110.74	6.0	0.17	319.00	308.09	0	0.000	0.00
	22	13.3	32.3	7.2	110.73	6.0	0.13	319.00	308.14	0	0.000	0.00
	23	12.6	33.5	7.2	110.73	6.0	0.10	319.00	308.17	0	0.000	0.00
	24	12.6	32.0	7.2	110.72	6.0	0.10	319.00	308.18	0	0.000	0.00
	25	20.4	38.2	7.2	110.74	6.0	0.43	319.00	307.61	0	0.000	0.00
	26	14.9	35.1	7.2	110.74	6.0	0.21	319.00	307.81	0	0.000	0.00
	27	13.3	32.0	7.2	110.72	6.0	0.13	319.00	308.15	0	0.000	0.00
	28	11.9	30.5	7.2	110.71	6.0	0.08	319.00	308.22	0	0.000	0.00
	29	10.3	30.5	7.2	110.71	6.0	0.03	319.00	308.24	0	0.000	0.00
13.71												
Mar	1	10.2	15.1	10.3	110.60	0.0	0.03	319.00	308.37	0	0.000	0.00
	2	10.2	15.1	10.3	110.60	0.0	0.03	319.00	308.37	0	0.000	0.00
	3	10.2	15.1	10.3	110.60	0.0	0.03	319.00	308.37	0	0.000	0.00
	4	9.5	14.0	9.5	110.59	0.0	0.02	319.00	308.39	0	0.000	0.00
	5	9.5	14.0	9.5	110.59	0.0	0.02	319.00	308.39	0	0.000	0.00
	6	9.5	14.0	9.5	110.59	0.0	0.02	319.00	308.39	0	0.000	0.00
	7	9.5	14.0	9.5	110.59	0.0	0.02	319.00	308.39	0	0.000	0.00
	8	33.8	35.1	7.2	110.74	14.6	0.94	319.00	307.30	1	0.807	27.21
	9	22.2	32.0	7.2	110.72	6.0	0.78	319.00	307.49	0	0.000	0.00
	10	20.6	30.4	20.6	110.71	0.0	0.63	319.00	307.67	0	0.000	0.00
	11	16.1	24.3	16.1	110.64	0.0	0.41	319.00	307.90	0	0.000	0.00
	12	21.4	31.5	21.4	110.71	0.0	0.70	319.00	307.54	0	0.000	0.00
	13	44.8	46.8	7.2	110.97	28.4	5.41	319.00	302.42	1	0.960	70.40
	14	38.1	54.3	7.2	110.98	36.9	3.33	319.00	304.79	1	0.908	54.96
	15	23.0	31.9	7.2	110.73	15.8	0.87	319.00	307.40	1	0.797	25.60
	16	26.4	43.3	7.2	110.80	22.2	1.72	319.00	306.49	1	0.846	38.88
	17	37.2	51.0	7.2	110.84	30.6	3.13	319.00	304.99	1	0.907	54.68
	18	55.3	52.5	7.2	110.84	24.5	2.79	319.00	303.35	1	0.902	51.37
	19	33.4	77.5	7.2	110.76	18.2	1.15	319.00	307.60	1	0.826	30.51
	20	19.0	28.9	19.0	110.69	0.0	0.48	319.00	307.82	0	0.000	0.00
	21	19.0	28.9	19.0	110.69	0.0	0.48	319.00	307.82	0	0.000	0.00
	22	22.3	32.8	22.3	110.72	6.0	0.78	319.00	307.49	0	0.000	0.00
	23	28.4	43.3	7.2	110.80	22.2	1.72	319.00	306.49	1	0.846	38.88
	24	32.0	47.3	7.2	110.82	24.8	2.14	319.00	305.83	1	0.864	44.34
	25	47.3	70.1	7.2	110.88	40.3	5.46	319.00	302.34	2	0.843	67.34
	26	34.4	57.7	7.2	110.87	28.2	3.97	319.00	303.16	1	0.905	53.13
	27	28.4	43.3	7.2	110.80	22.2	1.72	319.00	306.49	1	0.846	38.88
	28	34.1	36.6	7.2	110.74	18.9	1.34	319.00	306.99	1	0.834	31.98
	29	31.4	31.5	21.4	110.71	0.0	0.70	319.00	307.54	0	0.000	0.00
	30	31.4	31.5	21.4	110.71	0.0	0.70	319.00	307.54	0	0.000	0.00
	31	30.6	30.4	30.6	110.71	0.0	0.63	319.00	307.67	0	0.000	0.00
20.31												

Date	Discharge (cum)	Discharge F.H. (cum)	RMP or Tail Spillage water (cum)	Plant Q level m (cum)	Loss	Raw level (cum)	Effect Head h (cum)	Efficiency Unit sec	Output MW	Month y Ave. MW	
Apr. 1	19.8	46.7	19.8	110.82	0.00	0.33	119.00	307.63	0	0.000	0.00
2	20.4	46.7	20.4	110.83	0.00	0.63	119.00	307.55	0	0.000	0.00
3	30.3	72.9	7.2	111.00	23.10	1.84	119.00	306.14	1	0.875	43.72
4	43.8	101.2	7.2	111.19	35.60	4.41	119.00	305.40	1	0.910	64.98
5	33.7	106.3	7.2	111.23	26.30	3.45	119.00	305.39	1	0.884	47.64
6	23.4	61.9	7.2	110.93	18.20	1.15	119.00	304.92	1	0.824	30.49
7	21.4	52.4	21.4	110.84	0.00	0.70	119.00	307.44	0	0.000	0.00
8	19.0	48.6	19.0	110.83	0.00	0.48	119.00	307.63	0	0.000	0.00
9	17.4	43.9	17.4	110.79	0.00	0.36	119.00	307.34	0	0.000	0.00
10	16.1	42.8	16.1	110.79	0.00	0.30	119.00	307.80	0	0.000	0.00
11	14.9	38.7	14.9	110.77	0.00	0.21	119.00	308.01	0	0.000	0.00
12	14.9	36.7	14.9	110.73	0.00	0.21	119.00	308.04	0	0.000	0.00
13	14.9	33.1	14.2	110.74	0.00	0.17	119.00	308.09	0	0.000	0.00
14	14.9	32.8	13.1	110.73	0.00	0.13	119.00	308.14	0	0.000	0.00
15	12.6	28.9	12.6	110.70	0.00	0.10	119.00	308.20	0	0.000	0.00
16	11.9	28.9	11.9	110.70	0.00	0.08	119.00	308.23	0	0.000	0.00
17	11.9	27.4	11.9	110.69	0.00	0.08	119.00	308.24	0	0.000	0.00
18	11.9	27.4	11.9	110.69	0.00	0.08	119.00	308.24	0	0.000	0.00
19	13.2	37.4	13.2	110.69	0.60	0.17	119.00	308.10	0	0.000	0.00
20	27.3	58.1	7.2	110.90	20.40	1.46	119.00	306.43	1	0.251	31.51
21	52.3	91.3	7.2	111.12	45.60	7.05	119.00	302.82	2	0.463	74.42
22	32.0	77.3	7.2	111.03	24.80	3.14	119.00	305.83	1	0.484	44.24
23	23.8	60.0	7.2	110.91	14.80	0.96	119.00	307.13	1	0.807	27.20
24	18.0	30.5	18.0	110.85	0.00	0.44	119.00	307.67	0	0.000	0.00
25	16.1	43.8	16.1	110.79	0.00	0.30	119.00	307.80	0	0.000	0.00
26	14.9	38.2	14.9	110.76	0.00	0.21	119.00	308.05	0	0.000	0.00
27	14.9	36.7	14.9	110.75	0.00	0.21	119.00	308.04	0	0.000	0.00
28	14.9	35.1	13.1	110.74	0.00	0.17	119.00	308.09	0	0.000	0.00
29	20.6	36.7	20.6	110.75	0.00	0.43	119.00	307.63	0	0.000	0.00
30	34.3	41.4	7.2	110.78	17.30	1.04	119.00	307.17	1	0.818	28.66
13.12											
May 1	18.1	36.7	18.1	110.75	0.00	0.41	119.00	307.84	0	0.000	0.00
2	15.8	32.0	15.8	110.72	0.00	0.36	119.00	308.82	0	0.000	0.00
3	14.2	28.9	14.2	110.70	0.00	0.17	119.00	308.13	0	0.000	0.00
4	12.6	27.4	12.6	110.69	0.00	0.19	119.00	308.31	0	0.000	0.00
5	11.9	27.4	11.9	110.69	0.00	0.19	119.00	308.31	0	0.000	0.00
6	11.9	27.4	11.9	110.69	0.00	0.08	119.00	308.24	0	0.000	0.00
7	11.9	26.1	11.9	110.62	0.00	0.08	119.00	308.23	0	0.000	0.00
8	11.9	26.1	11.9	110.68	0.00	0.08	119.00	308.25	0	0.000	0.00
9	11.9	26.1	11.9	110.68	0.00	0.05	119.00	308.27	0	0.000	0.00
10	11.0	24.9	11.0	110.67	0.00	0.05	119.00	308.28	0	0.000	0.00
11	11.0	24.9	11.0	110.67	0.00	0.05	119.00	308.28	0	0.000	0.00
12	11.0	23.7	11.0	110.64	0.00	0.05	119.00	308.29	0	0.000	0.00
13	10.2	23.7	10.2	110.64	0.00	0.05	119.00	308.31	0	0.000	0.00
14	10.2	23.7	10.2	110.64	0.00	0.05	119.00	308.31	0	0.000	0.00
15	11.0	27.4	11.0	110.69	0.00	0.05	119.00	308.26	0	0.000	0.00
16	12.3	28.9	12.3	110.70	0.00	0.13	119.00	308.17	0	0.000	0.00
17	14.2	32.0	14.2	110.72	0.00	0.17	119.00	308.11	0	0.000	0.00
18	13.1	28.9	13.1	110.70	0.00	0.13	119.00	308.17	0	0.000	0.00
19	12.6	27.4	12.6	110.69	0.00	0.10	119.00	308.21	0	0.000	0.00
20	10.2	26.1	10.2	110.64	0.00	0.05	119.00	308.29	0	0.000	0.00
21	9.5	24.9	9.5	110.67	0.00	0.02	119.00	308.31	0	0.000	0.00
22	8.8	23.7	8.8	110.64	0.00	0.01	119.00	308.33	0	0.000	0.00
23	8.8	22.5	8.8	110.63	0.00	0.01	119.00	308.34	0	0.000	0.00
24	8.8	22.5	8.8	110.63	0.00	0.01	119.00	308.34	0	0.000	0.00
25	8.8	22.5	8.8	110.63	0.00	0.01	119.00	308.34	0	0.000	0.00
26	8.8	21.3	8.8	110.64	0.00	0.01	119.00	308.35	0	0.000	0.00
27	8.8	21.3	8.8	110.64	0.00	0.01	119.00	308.35	0	0.000	0.00
28	8.8	21.3	8.8	110.64	0.00	0.01	119.00	308.35	0	0.000	0.00
29	7.8	20.0	7.8	110.63	0.00	0.00	119.00	308.34	0	0.000	0.00
30	7.8	20.0	7.8	110.63	0.00	0.00	119.00	308.34	0	0.000	0.00
31	7.8	20.0	7.8	110.63	0.00	0.00	119.00	308.34	0	0.000	0.00
0.00											
Jun. 1	7.9	20.0	7.9	110.63	0.00	0.00	119.00	308.36	0	0.000	0.00
2	7.9	18.8	7.9	110.63	0.00	0.00	119.00	308.37	0	0.000	0.00
3	7.9	18.8	7.9	110.63	0.00	0.00	119.00	308.37	0	0.000	0.00
4	7.9	18.8	7.9	110.63	0.00	0.00	119.00	308.37	0	0.000	0.00
5	8.8	22.5	8.8	110.63	0.00	0.01	119.00	308.34	0	0.000	0.00
6	11.9	26.1	11.9	110.68	0.00	0.08	119.00	308.25	0	0.000	0.00
7	22.2	39.7	22.2	110.77	0.00	0.78	119.00	307.44	0	0.000	0.00
8	42.8	64.3	7.2	111.04	35.40	4.41	119.00	305.63	1	0.910	64.98
9	74.0	91.3	7.2	111.12	44.80	15.54	119.00	302.54	2	0.918	114.58
10	27.8	61.9	7.2	110.93	26.10	1.18	119.00	304.90	1	0.831	33.50
11	31.4	42.9	21.4	110.79	0.00	0.79	119.00	307.63	0	0.000	0.00
12	18.8	38.7	18.8	110.79	0.00	0.38	119.00	307.68	0	0.000	0.00
13	17.4	36.7	17.4	110.75	0.00	0.36	119.00	307.89	0	0.000	0.00
14	16.1	33.5	16.1	110.73	0.00	0.30	119.00	307.97	0	0.000	0.00
15	15.8	30.5	15.8	110.71	0.00	0.26	119.00	308.03	0	0.000	0.00
16	14.2	27.4	14.2	110.69	0.00	0.17	119.00	308.14	0	0.000	0.00
17	13.3	24.9	13.3	110.67	0.00	0.13	119.00	308.20	0	0.000	0.00
18	11.9	23.7	11.9	110.66	0.00	0.08	119.00	308.26	0	0.000	0.00
19	11.6	23.7	11.6	110.66	0.00	0.10	119.00	308.24	0	0.000	0.00
20	12.6	23.7	12.6	110.66	0.00	0.10	119.00	308.24	0	0.000	0.00
21	13.3	24.9	13.3	110.67	0.00	0.13	119.00	308.20	0	0.000	0.00
22	12.6	24.9	12.6	110.67	0.00	0.16	119.00	308.23	0	0.000	0.00
23	11.9	23.7	11.9	110.66	0.00	0.08	119.00	308.24	0	0.000	0.00
24	10.2	23.7	10.2	110.63	0.00	0.02	119.00	308.33	0	0.000	0.00
25	10.2	22.5	10.2	110.63	0.00	0.03	119.00	308.32	0	0.000	0.00
26	9.5	21.3	9.5	110.64	0.00	0.02	119.00	308.34	0	0.000	0.00
27	9.5	21.3	9.5	110.64	0.00	0.02	119.00	308.34	0	0.000	0.00
28	8.8	21.3	8.8	110.64	0.00	0.01	119.00	308.35	0	0.000	0.00
29	8.8	20.0	8.8	110.63	0.00	0.01	119.00	308.36	0	0.000	0.00
30	8.8	20.0	8.8	110.63	0.00	0.01	119.00	308.36	0	0.000	0.00
7.12											

## POWER GENERATION SIMULATION

Year: 1968

Dam Area B  
F.L.L. = 319.00 mRated Head : 179.50 m  
Max. Plant Discharge : 90.00 cms

Installed Capacity : 10.0 MW

		Discharge (cms)	Discharge P.H. (cms)	RMP or T.H. Spillage water level (cms)	Plant Q level (cms)	Flow Loss	Raw level	Revol. Head h	Efficiency Unitary	Output kW	Month y Ave.	
Jul	1	8.8	30.8	8.8	100.03	0.0	0.01	319.00	208.34	0	0.000	0.00
	2	8.8	30.0	8.8	100.03	0.0	0.01	319.00	208.37	0	0.000	0.00
	3	8.8	18.8	8.8	100.03	0.0	0.01	319.00	208.37	0	0.000	0.00
	4	8.8	18.8	8.8	100.03	0.0	0.01	319.00	208.37	0	0.000	0.00
	5	11.0	30.0	11.0	100.03	0.0	0.05	319.00	208.32	0	0.000	0.00
	6	11.0	21.3	11.0	100.04	0.0	0.06	319.00	208.28	0	0.000	0.00
	7	11.0	27.4	11.0	100.06	0.0	0.06	319.00	208.24	0	0.000	0.00
	8	23.4	79.7	7.3	100.77	18.2	1.13	319.00	207.07	1	0.836	30.32
	9	32.2	66.3	7.3	100.97	41.9	7.65	319.00	205.94	2	0.840	74.49
	10	116.5	150.4	26.5	111.52	90.0	20.21	319.00	179.56	2	0.868	140.00
	11	79.6	114.2	7.2	111.27	72.4	18.36	319.00	189.47	2	0.912	122.15
	12	54.9	64.3	7.2	111.09	48.7	8.40	319.00	199.51	2	0.878	81.34
	13	36.1	70.7	7.2	110.99	30.9	5.31	319.00	204.49	1	0.902	54.34
	14	22.0	54.2	7.2	110.89	24.9	2.14	319.00	205.97	1	0.884	44.27
	15	26.1	43.6	7.2	110.83	18.9	1.34	319.00	204.92	1	0.834	31.97
	16	23.4	42.9	7.2	110.79	16.4	0.84	319.00	207.23	1	0.807	27.32
	17	21.4	41.4	21.4	110.79	0.0	0.70	319.00	207.51	0	0.000	0.00
	18	18.8	39.7	18.8	110.77	0.0	0.55	319.00	207.66	0	0.000	0.00
	19	18.0	34.7	18.0	110.75	0.0	0.46	319.00	207.76	0	0.000	0.00
	20	18.1	34.1	18.1	110.74	0.0	0.41	319.00	207.85	0	0.000	0.00
	21	18.1	33.1	18.1	110.74	0.0	0.41	319.00	207.85	0	0.000	0.00
	22	23.6	33.1	20.6	110.73	0.0	0.63	319.00	207.63	0	0.000	0.00
	23	21.4	33.1	21.4	110.73	0.0	0.70	319.00	207.57	0	0.000	0.00
	24	18.0	33.1	18.0	110.73	0.0	0.46	319.00	207.79	0	0.000	0.00
	25	16.3	33.1	16.3	110.73	0.0	0.30	319.00	207.97	0	0.000	0.00
	26	14.2	32.0	14.2	110.72	0.0	0.17	319.00	208.11	0	0.000	0.00
	27	13.1	28.9	13.1	110.70	0.0	0.13	319.00	208.17	0	0.000	0.00
	28	13.1	28.9	13.1	110.70	0.0	0.13	319.00	208.17	0	0.000	0.00
	29	13.2	24.1	13.2	110.68	0.0	0.13	319.00	208.19	0	0.000	0.00
	30	11.9	24.9	11.9	110.67	0.0	0.08	319.00	208.25	0	0.000	0.00
	31	11.9	22.7	11.9	110.64	0.0	0.06	319.00	208.26	0	0.000	0.00
Aug	1	11.9	22.7	11.9	110.64	0.0	0.08	319.00	208.26	0	0.000	0.00
	2	10.2	22.5	10.2	110.63	0.0	0.03	319.00	208.32	0	0.000	0.00
	3	8.5	22.5	8.5	110.63	0.0	0.02	319.00	208.33	0	0.000	0.00
	4	8.8	22.5	8.8	110.63	0.0	0.01	319.00	208.34	0	0.000	0.00
	5	8.8	21.3	8.8	110.64	0.0	0.01	319.00	208.35	0	0.000	0.00
	6	10.2	21.3	10.2	110.64	0.0	0.03	319.00	208.35	0	0.000	0.00
	7	11.9	21.3	11.9	110.64	0.0	0.06	319.00	208.28	0	0.000	0.00
	8	17.4	24.1	17.4	110.64	0.0	0.36	319.00	207.96	0	0.000	0.00
	9	21.4	34.7	21.4	110.73	0.0	0.70	319.00	207.53	0	0.000	0.00
	10	23.4	42.9	7.3	110.79	16.6	0.96	319.00	207.23	1	0.807	27.32
	11	18.8	39.7	18.8	110.77	0.0	0.55	319.00	207.70	0	0.000	0.00
	12	14.9	33.1	14.9	110.73	0.0	0.31	319.00	208.06	0	0.000	0.00
	13	13.1	28.9	13.1	110.70	0.0	0.13	319.00	208.17	0	0.000	0.00
	14	11.9	27.4	11.9	110.68	0.0	0.08	319.00	208.24	0	0.000	0.00
	15	10.2	24.9	10.2	110.67	0.0	0.03	319.00	208.30	0	0.000	0.00
	16	10.2	23.7	10.2	110.66	0.0	0.03	319.00	208.31	0	0.000	0.00
	17	10.2	23.5	10.2	110.65	0.0	0.03	319.00	208.32	0	0.000	0.00
	18	8.8	22.5	8.8	110.63	0.0	0.01	319.00	208.34	0	0.000	0.00
	19	8.8	21.3	8.8	110.64	0.0	0.01	319.00	208.35	0	0.000	0.00
	20	7.9	21.3	7.9	110.64	0.0	0.00	319.00	208.34	0	0.000	0.00
	21	7.9	20.0	7.9	110.63	0.0	0.00	319.00	208.34	0	0.000	0.00
	22	7.9	18.8	7.9	110.63	0.0	0.00	319.00	208.37	0	0.000	0.00
	23	7.2	18.8	7.2	110.63	0.0	0.00	319.00	208.37	0	0.000	0.00
	24	7.2	18.0	7.2	110.63	0.0	0.00	319.00	208.37	0	0.000	0.00
	25	7.2	16.4	7.2	110.61	0.0	0.00	319.00	208.39	0	0.000	0.00
	26	7.2	14.4	7.2	110.61	0.0	0.00	319.00	208.39	0	0.000	0.00
	27	7.2	13.2	7.2	110.60	0.0	0.00	319.00	208.40	0	0.000	0.00
	28	7.2	13.2	7.2	110.60	0.0	0.00	319.00	208.40	0	0.000	0.00
	29	7.9	17.6	7.9	110.62	0.0	0.00	319.00	208.34	0	0.000	0.00
	30	8.8	22.5	8.8	110.63	0.0	0.01	319.00	208.34	0	0.000	0.00
	31	11.9	27.4	11.9	110.69	0.0	0.08	319.00	208.24	0	0.000	0.00
Sep	1	26.6	54.7	26.6	110.73	0.0	0.63	319.00	207.63	0	0.000	0.00
	2	13.3	30.5	13.3	110.71	0.0	0.13	319.00	208.16	0	0.000	0.00
	3	9.5	24.1	9.5	110.64	0.0	0.02	319.00	208.30	0	0.000	0.00
	4	7.9	24.9	7.9	110.67	0.0	0.00	319.00	208.35	0	0.000	0.00
	5	7.2	22.5	7.2	110.63	0.0	0.00	319.00	208.35	0	0.000	0.00
	6	6.4	20.0	6.4	110.63	0.0	0.00	319.00	208.37	0	0.000	0.00
	7	5.7	18.4	5.7	110.61	0.0	0.00	319.00	208.39	0	0.000	0.00
	8	5.4	15.2	5.4	110.60	0.0	0.00	319.00	208.40	0	0.000	0.00
	9	5.0	14.3	5.0	110.59	0.0	0.00	319.00	208.41	0	0.000	0.00
	10	4.5	13.4	4.5	110.59	0.0	0.00	319.00	208.41	0	0.000	0.00
	11	4.3	12.6	4.3	110.61	0.0	0.00	319.00	208.38	0	0.000	0.00
	12	3.6	11.6	3.6	110.66	0.0	0.00	319.00	208.22	0	0.000	0.00
	13	3.1	10.7	3.1	110.63	0.0	0.00	319.00	208.37	0	0.000	0.00
	14	61.7	46.3	7.2	110.97	54.5	10.94	319.00	197.09	2	0.862	94.23
	15	92.9	105.7	7.2	111.31	83.7	21.98	319.00	182.22	2	0.820	136.23
	16	132.8	137.4	42.9	111.53	90.0	24.31	319.00	179.44	2	0.798	142.00
	17	90.9	96.7	7.2	111.17	83.7	24.40	319.00	181.43	2	0.802	136.22
	18	53.1	61.7	7.2	111.04	47.9	7.99	319.00	199.95	2	0.874	61.90
	19	43.8	64.3	7.2	110.94	34.6	4.67	319.00	203.98	1	0.908	64.37
	20	43.7	77.3	7.2	111.02	36.3	3.14	319.00	202.91	1	0.902	69.12
	21	241.2	244.1	171.3	112.07	90.0	24.31	319.00	179.24	2	0.798	141.99
	22	334.3	330.1	244.3	112.99	90.0	23.31	319.00	178.93	2	0.798	141.79
	23	198.1	300.4	108.3	112.30	90.0	24.21	319.00	179.86	2	0.799	141.73
	24	112.3	234.8	23.8	111.97	90.0	23.31	319.00	179.90	2	0.798	141.73
	25	72.0	147.7	7.2	111.44	64.8	14.62	319.00	192.99	2	0.808	111.28
	26	54.9	101.3	7.2	111.19	48.7	8.40	319.00	199.21	2	0.879	81.31
	27	47.5	81.7	7.2	111.06	40.3	5.64	319.00	202.28	2	0.843	67.31
	28	42.4	64.3	7.2	110.97	31.4	4.41	319.00	203.62	1	0.910	64.44
	29	43.9	61.9	7.2	110.93	34.7	4.19	319.00	203.84	1	0.911	63.17
	30	39.1	54.2	7.2	110.89	31.9	3.54	319.00	204.57	1	0.911	58.34

		Discharge Dam (cms)	Discharge PH (cms)	RMP or T.H. Spillage water level (cms)	Plant Q level (cms)	Raw level	Revol. Head h	Efficiency Unitary	Output kW	Month y Ave.		
Oct	1	21.0	54.3	7.2	110.87	24.00	2.14	319.00	205.99	1	0.894	44.28
	2	27.0	48.4	7.2	110.83	19.80	1.37	319.00	206.20	1	0.840	33.83
	3	33.8	42.9	7.2	110.79	14.00	0.94	319.00	207.23	1	0.807	27.32
	4	22.2	39.7	7.2	110.77	13.00	0.78	319.00	207.44	0	0.000	0.00
	5	21.4	34.7	7.2	110.75	14.20	0.70	319.00	207.55	0	0.000	0.00
	6	20.0	33.1	7.2	110.74	13.40	0.63	319.00	207.63	0	0.000	0.00
	7	18.8	33.1	7.2	110.73	12.60	0.55	319.00	207.72	0	0.000	0.00
	8	18.8	33.1	7.2	110.73	12.60	0.55	319.00	207.72	0	0.000	0.00
	9	19.8	32.0	7.2	110.72	12.80	0.55	319.00	207.75	0	0.000	0.00
	10	18.0	32.0	7.2	110.72	13.00	0.55	319.00	207.75	0	0.000	0.00
	11	22.2	34.7	7.2	110.75	15.00	0.78	319.00	207.47	0	0.000	0.00
	12	27.8	42.9	7.2	110.79	20.00	1.64	319.00	206.77	1	0.831	35.53
	13	72.5	91.3	7.2	111.12	64.80	14.63	319.00	192.21	2	0.930	111.50
	14	63.1	78.0	7.2	110.99	57.70	15.86	319.00	194.44	2	0.838	115.67
	15	51.7	78.7	7.2	110.97	44.10	4.77	319.00	201.34	2	0.639	74.74
	16	59.1	80.0	7.2	110.91	38.10	3.54	319.00	204.54	1	0.911	54.23
	17	59.1	41.9	7.2	110.91	31.90	3.54	319.00	204.37	1	0.911	54.23
	18	44.7	76.7	7.2	110.90	37.30	4.90	319.00	203.12	1	0.904	67.45
	19	68.3	76.7	7.2	111.09	61.31	11.00	319.00	194.91	2	0.904	107.58
	20	64.4	114.2	7.2	111.27	86.20	13.33	319.00	188.22	2	0.953	102.84
	21	49.4	93.8	7.2	111.16	42.20	6.20	319.00	204.44	2	0.851	70.99
	22	59.1	77.3	7.2	111.03	31.90	3.54	319.00	204.43	1	0.911	54.20
	23	33.7	64.3	7.2	110.94	26.10	2.45	319.00	208.60	1	0.894	47.74
	24	21.2	60.0	7.2	110.91	24.80	2.81	319.00	204.94	1	0.879	43.41
	25	28.4	54.2	7.2	110.89	22.20	1.72	319.00	206.40	1	0.845	34.95
	26	28.4	59.1	7.2	110.89	22.20	1.72	319.00	206.56	1	0.845	34.96
	27	81.5	114.2	7.2	111.27	74.30	19.23	319.00	188.20	2	0.951	120.09
	28	74.0	138.5	7.2	111.40	67.70	21.86	319.00	184.64	2	0.938	115.67
	29	152.2	260.5	7.2	111.79	96.80	28.32	319.00	179.20	2	0.998	141.84
	30	214.2	278.3	124.2	112.15	90.20	28.32	319.11	179.05	2	0.998	141.87
	31	255.4	328.0	117.4	112.34	90.20	28.31	319.38	178.79	2	0.992	141.70
Nov	1	198.4	368.9	102.4	112.31	90.00	36.21	319.35	178.83	2	0.999	141.73
	2	171.5	237.3	81.3	112.09	90.00	30.23	319.29	179.60	2	0.988	141.82
	3	159.7	214.8	68.7	111.89	90.00	28.31	319.34	178.15	2	0.988	141.91
	4	167.1	198.5	57.1	111.72	90.00	28.31	319.22	179.29	2	0.989	142.05
	5	198.4	179.4	46.4	111.67	90.00	28.31	319.03	179.20	2	0.988	142.00
	6	122.3	117.2	34.1	111.67	90.00	28.31	319.12	181.44	2	0.988	142.00
	7	207.2	179.8	117.2	111.62	90.00	28.31	319.39	179.34	2	0.998	142.00
	8	206.0	190.9	126.6	112.13	90.00	28.31	319.62	178.18	2	0.988	141.79
	9	149.5	228.5	78.5	112.22	90.00	28.27	319.29	178.85	2	0.989	141.84
	10	120.0	228.7	40.9	111.84	90.00	28.31	319.16	179.31	2	0.988	141.90
	11	151.8	191.5	41.8	111.74	90.00	28.31	319.14	179.21	2	0.988	141.97
	12	109.9	170.8	19.9	111.42	90.00	28.23	319.07	179.34	2	0.988	141.94
	13	81.5	147.7	7.2	111.44	74.30	19.23	319.00	186.20	2	0.911	124.94
	14	74.0	128.2	7.2	111.34	64.80	15.86	319.00	192.12	2	0.910	114.44
	15	63.1	105.6	7.2	111.24	54.30	11.94	319.00	194.72	2	0.896	97.38
	16	51.3	91.3	7.2	111.12	44.10	4.77	319.00	201.10	2	0.838	74.48
	17	43.1	72.9	7.2	111.00	34.40	4.47	319.00	209.31	1	0.824	64.25
	18	43.1	60.1	7.2	110.94	33.00	4.41	319.00	209.43	1	0.830	64.46
	19	41.0	46.0	7.2	110.91	33.90	3.96	319.00	209.41	1	0.812	61.60
	20	33.7	54.3	7.2	110.87	26.10	2.45	319.00	212.68	1	0.844	47.74
	21	31.3	50.5	7.2	110.83	24.00	2.81	319.00	204.13	1	0.879	42.03
	22	39.3	44.4	7.2	110.83	23.10	1.94	319.00	206.31	1	0.873	46.76
	23	34.8	42.9	7.2	110.79	21.40	1.59	319.00	206.61	1	0.832	37.51
	24	25.4	41.9	7.2	110.79	19.30	1.15	319.00	207.65	1	0.824	30.22
	25	24.5	39.7	7.2	110.77	17.30	1.04	319.00	207.19	1	0.814	28.46
	26	23.8	34.7	7.2	110.75	14.60	0.96	319.00	207.28	1	0.807	27.32
	27	23.0	33.1	7.2	110.74	13.80	0.87	319.00	207.39	1	0.797	25.90
	28	23.0	33.1	7.2	110.73	13.80	0.87	319.00	207.40	1	0.797	25.90
	29	24.5	34.7	7.2	110.75	17.30	1.04	319.00	207.21	1	0.814	28.46
	30	34.1	30.5	7.2	110.83	30.90	3.23	319.00	204.13	1	0.829	34.40
Dec	1	43.8	58.1	7.2	110.80	31.40	4.41	319.80	205.88	1	0.839	64.46
	2	33.5	52.4	7.2	110.84	28.30	2.79	319.00	205.33	1	0.902	51.37
	3	30.3	52.4	7.2	110.84	23.10	1.84	319.00	206.24	1	0.872	40.05
	4	23.4	44.4	7.2	110.81	18.20	1.13	319.00	207.84	1	0.824	30.81
	5	22.2	39.7	7.2	110.77	15.00	0.78	319.00	207.44	0	0.000	0.00
	6	20.6	34.7	7.2	110.75	14.40	0.63	319.00	207.62	0	0.000	0.00
	7	17.4	33.1	7.2	110.74	10.30	0.34	319.00	207.90	0	0.000	0.00
	8	15.4	33.5	7.2	110.73	8.80	0.26	319.00	208.21	0	0.000	0.00
	9	14.9	27.4	7.2	110.69	7.70	0.21	319.00	208.61	0	0.000	0.00
	10	14.9	27.4	7.2	110.69	7.70	0.21	319.00	208.61	0	0.000	0.00
	11	14.9	24.1	7.2	110.64	7.70	0.21	319.00	208.12	0	0.000	0.00
	12	14.9	24.1	7.2	110.64	7.70	0.21	319.00	208.12	0	0.000	0.00
	13	14.5	24.9	7.2	110.67	7.00	0.17	319.00	208.16	0	0.000	0.00
	14	13.3	23.7	7.2	110.64	6.10	0.13	319.00	208.21	0	0.000	0.00
	15	13.3	23.7	7.2	110.64	6.10	0.13	319.00	208.21	0	0.000	0.00
	16	13.3	23.7	7.2	110.63	4.10	0.13	319.00	208.22	0	0.000	0.00
	17	12.6	21.3	7.2	110.64	4.00	0.10	319.00	208.16	0	0.000	0.00
	18	11.9	20.0	7.2	110.63	3.70	0.08	319.00	208.29	0	0.000	0.00
	19	10.2	20.0	7.2	110.63	3.60	0.08	319.00	208.31	0	0.000	0.00
	20	11.9	22.3	7.2	110.63	4.70	0.08	319.00	208.27	0	0.000	0.00
	21	13.3	27.4	7.2	110.69	6.10	0.13	319.80	208.18	0	0.000	0.00
	22	39.1	54.3	7.2	110.87	26.10	3.34	319.00	204.34	1	0.911	54.25
	23	112.5	133.3	24.3	111.40	90.00	28.21	319.11	179.30	2	0.988	142.00
	24	77.7	141.8	382.7	112.64	90.00	28.31	319.74	178.89	2	0.998	141.77
	25	549.7	598.7	459.7	113.11	90.00	28.31	319.00	172.76	2	0.999	141.48
	26	547.4	582.0	373.1	112.83	90.00	28.31	319.74	174.65	2	0.999	141.61
	27	547.4	577.7	358.4	112.54	90.00	28.31	319.42	174.67	2	0.998	141.61
	28	140.4	273.5	70.6	112.16	90.00	28.31	319.00	178.99	2	0.998	141.61
	29	108.1	232.7	18.1	111.84	90.00	28.31	319.66	178.99	2	0.998	141.83
	30	86.2	147.7	7.2	111.68	79.00	21.74	319.00	185.78	2	0.950	120.86
	31	81.7	114.2	7.2	111.27	54.30	10.34	319.00	197.35	2	0.982	94.08

## POWER GENERATION SIMULATION

Year: 1969

Don Ash B  
P.L. = 31000 mRoad Head : 179.30 m  
Min. Plant Discharge : 60.00 m³

Installed Capacity : 141.6 MW

		Discharge Date	Discharge P.H. (m)	RMF at Tail Spillage water level (m)	Plant Q (m³/s)	Loss	Raw level	Eff. Head h (m)	Eff. Unit kWh/s	Monthly MW	Monthly y Ave. MW	
Jan	1	64.5	96.7	7.2	111.17	57.3	11.43	319.00	184.39	3	0.898	99.06
	2	79.6	108.4	7.2	111.24	72.4	11.36	319.00	189.51	3	0.912	122.53
	3	126.9	204.5	34.9	112.37	92.0	11.21	319.15	178.47	3	0.899	141.43
	4	130.0	207.0	60.0	112.13	90.0	11.21	319.23	178.84	3	0.896	141.74
	5	214.2	477.4	134.3	112.82	90.0	11.21	319.41	178.38	3	0.898	141.44
	6	277.7	347.3	187.7	112.61	90.0	11.21	319.56	178.74	3	0.899	141.67
	7	186.1	344.6	108.1	112.44	90.0	11.21	319.37	178.70	3	0.899	141.84
	8	180.2	313.7	99.2	112.34	90.0	11.21	319.34	178.79	3	0.899	141.70
	9	162.6	293.1	72.2	112.25	90.0	11.21	319.27	178.80	3	0.899	141.71
	10	499.2	363.3	453.3	112.97	90.0	11.21	319.99	178.83	3	0.899	141.74
	11	432.4	640.0	543.4	113.34	90.0	11.21	320.23	178.77	3	0.899	141.69
	12	436.0	544.3	396.0	112.09	90.0	11.21	319.87	178.43	3	0.898	141.80
	13	247.1	344.6	177.1	112.44	90.0	11.21	319.49	178.82	3	0.899	141.72
	14	173.5	267.0	93.5	112.13	90.0	11.21	319.30	178.96	3	0.898	141.81
	15	113.9	241.1	93.9	112.01	90.0	11.21	319.33	179.11	3	0.898	141.91
	16	161.6	236.1	71.6	111.94	90.0	11.21	319.34	179.11	3	0.898	141.91
	17	126.2	191.3	36.2	111.74	90.0	11.21	319.14	179.19	3	0.898	141.95
	18	106.1	153.4	16.1	111.32	90.0	11.21	319.05	179.39	3	0.898	142.00
	19	87.2	125.3	7.2	111.24	90.0	11.21	319.00	183.37	3	0.898	142.06
	20	67.3	102.7	7.2	111.21	90.0	11.21	319.00	185.21	3	0.898	142.03
	21	36.8	64.6	7.2	111.11	51.6	9.57	319.00	186.63	3	0.898	142.05
	22	23.2	37.3	7.2	111.03	44.0	7.37	319.00	200.40	3	0.897	142.06
	23	21.3	30.7	7.2	110.99	44.1	6.77	319.00	201.24	3	0.897	142.06
	24	11.3	7.1	7.2	111.01	44.1	6.77	319.00	201.21	3	0.897	142.06
	25	64.5	96.7	7.2	111.17	57.3	11.43	319.00	184.39	3	0.898	99.06
	26	79.6	108.4	7.2	111.19	72.4	11.36	319.00	189.54	3	0.898	141.84
	27	126.9	204.5	34.9	112.17	92.0	11.21	319.15	178.47	3	0.899	141.74
	28	130.0	207.0	60.0	112.13	90.0	11.21	319.23	178.84	3	0.896	141.74
	29	214.2	477.4	134.3	112.82	90.0	11.21	319.41	178.38	3	0.898	141.44
	30	277.7	347.3	187.7	112.61	90.0	11.21	319.56	178.74	3	0.899	141.67
	31	186.1	344.6	108.1	112.44	90.0	11.21	319.37	178.70	3	0.899	141.84
Feb	1	64.5	96.7	7.2	111.17	57.3	11.43	319.00	184.39	3	0.898	99.06
	2	79.6	108.4	7.2	111.24	72.4	11.36	319.00	189.51	3	0.912	122.53
	3	126.9	204.5	34.9	112.37	92.0	11.21	319.15	178.47	3	0.899	141.43
	4	130.0	207.0	60.0	112.13	90.0	11.21	319.23	178.84	3	0.896	141.74
	5	214.2	477.4	134.3	112.82	90.0	11.21	319.41	178.38	3	0.898	141.44
	6	277.7	347.3	187.7	112.61	90.0	11.21	319.56	178.74	3	0.899	141.67
	7	186.1	344.6	108.1	112.44	90.0	11.21	319.37	178.70	3	0.899	141.84
	8	180.2	313.7	99.2	112.34	90.0	11.21	319.34	178.79	3	0.899	141.70
	9	162.6	293.1	72.2	112.25	90.0	11.21	319.27	178.80	3	0.899	141.71
	10	499.2	363.3	453.3	112.97	90.0	11.21	319.99	178.83	3	0.899	141.74
	11	432.4	640.0	543.4	113.34	90.0	11.21	320.23	178.77	3	0.899	141.69
	12	436.0	544.3	396.0	112.09	90.0	11.21	319.87	178.43	3	0.898	141.80
	13	247.1	344.6	177.1	112.44	90.0	11.21	319.49	178.82	3	0.899	141.72
	14	173.5	267.0	93.5	112.13	90.0	11.21	319.30	178.96	3	0.898	141.81
	15	113.9	241.1	93.9	112.01	90.0	11.21	319.33	179.11	3	0.898	141.91
	16	161.6	236.1	71.6	111.94	90.0	11.21	319.34	179.11	3	0.898	141.91
	17	126.2	191.3	36.2	111.74	90.0	11.21	319.14	179.19	3	0.898	141.95
	18	106.1	153.4	16.1	111.32	90.0	11.21	319.05	179.39	3	0.898	142.00
	19	87.2	125.3	7.2	111.24	90.0	11.21	319.00	183.37	3	0.898	142.06
	20	67.3	102.7	7.2	111.21	90.0	11.21	319.00	185.21	3	0.898	142.03
	21	36.8	64.6	7.2	111.11	51.6	9.57	319.00	186.63	3	0.898	142.05
	22	23.2	37.3	7.2	111.03	44.0	7.37	319.00	200.40	3	0.897	142.06
	23	21.3	30.7	7.2	110.99	44.1	6.77	319.00	201.24	3	0.897	142.06
	24	11.3	7.1	7.2	111.01	44.1	6.77	319.00	201.21	3	0.897	142.06
	25	64.5	96.7	7.2	111.17	57.3	11.43	319.00	184.39	3	0.898	99.06
	26	79.6	108.4	7.2	111.19	72.4	11.36	319.00	189.54	3	0.898	141.84
	27	126.9	204.5	34.9	112.17	92.0	11.21	319.15	178.47	3	0.899	141.74
	28	130.0	207.0	60.0	112.13	90.0	11.21	319.23	178.84	3	0.896	141.74
	29	214.2	477.4	134.3	112.82	90.0	11.21	319.41	178.38	3	0.898	141.44
	30	277.7	347.3	187.7	112.61	90.0	11.21	319.56	178.74	3	0.899	141.67
	31	186.1	344.6	108.1	112.44	90.0	11.21	319.37	178.70	3	0.899	141.84
Mar	1	64.5	96.7	7.2	111.17	57.3	11.43	319.00	184.39	3	0.898	99.06
	2	79.6	108.4	7.2	111.24	72.4	11.36	319.00	189.51	3	0.912	122.53
	3	126.9	204.5	34.9	112.37	92.0	11.21	319.15	178.47	3	0.899	141.43
	4	130.0	207.0	60.0	112.13	90.0	11.21	319.23	178.84	3	0.896	141.74
	5	214.2	477.4	134.3	112.82	90.0	11.21	319.41	178.38	3	0.898	141.44
	6	277.7	347.3	187.7	112.61	90.0	11.21	319.56	178.74	3	0.899	141.67
	7	186.1	344.6	108.1	112.44	90.0	11.21	319.37	178.70	3	0.899	141.84
	8	180.2	313.7	99.2	112.34	90.0	11.21	319.34	178.79	3	0.899	141.70
	9	162.6	293.1	72.2	112.25	90.0	11.21	319.27	178.80	3	0.899	141.71
	10	499.2	363.3	453.3	112.97	90.0	11.21	319.99	178.83	3	0.899	141.74
	11	432.4	640.0	543.4	113.34	90.0	11.21	320.23	178.77	3	0.899	141.69
	12	436.0	544.3	396.0	112.09	90.0	11.21	319.87	178.43	3	0.898	141.80
	13	247.1	344.6	177.1	112.44	90.0	11.21	319.49	178.82	3	0.899	141.72
	14	173.5	267.0	93.5	112.13	90.0	11.21	319.30	178.96	3	0.898	141.81
	15	113.9	241.1	93.9	112.01	90.0	11.21	319.33	179.11	3	0.898	141.91
	16	161.6	236.1	71.6	111.94	90.0	11.21	319.34	179.11	3	0.898	141.91
	17	126.2	191.3	36.2	111.74	90.0	11.21	319.14	179.19	3	0.898	141.95
	18	106.1	153.4	16.1	111.32	90.0	11.21	319.05	179.39	3	0.898	142.00
	19	87.2	125.3	7.2	111.24	90.0	11.21	319.00	183.37	3	0.898	142.06
	20	67.3	102.7	7.2	111.21	90.0	11.21	319.00	185.21	3	0.898	142.03
	21	36.8	64.6	7.2	111.11	51.6	9.57	319.00	186.63	3	0.898	142.05
	22	23.2	37.3	7.2	111.03	44.0	7.37	319.00	200.40	3	0.897	142.06
	23	21.3	30.7	7.2	110.99	44.1	6.77	319.00	201.24	3	0.897	142.06
	24	11.3	7.1	7.2	111.01	44.1	6.77	319.00	201.21	3	0.897	142.06
	25	64.5	96.7	7.2	111.17	57.3	11.43	319.00	184.39	3	0.898	99.06
	26	79.6	108.4	7.2	111.19	72.4	11.36	319.00	189.54	3	0.898	141.84
	27	126.9	204.5	34.9	112.17	92.0	11.21	319.15	178.47	3	0.899	141.74
	28	130.0	207.0	60.0	112.13	90.0	11.21	319.23	178.84	3	0.896	141.74
	29	214.2	477.4	134.3	112.82	90.0	11.21	319.41	178.38	3	0.898	141.44
	30	277.7	347.3	187.7	112.61	90.0	11.21	319.56	178.74	3	0.899	141.67
	31	186.1	344.6	108.1	112.44	90.0	11.21	319.37	178.70	3	0.899	141.84

Date	Discharge Don (cms)	Discharge P.H. (cms)	R.M.F. at Tail Spillage water level in (cms)	Plant Q (cms)	Loss	Raw level	Eff. Head h	Eff. Unit	Output MW	Monthly y Ave. MW		
Apr.	1	397.6	354.9	297.4	112.30	90.00	23.21	319.78	179.08	3	0.898	141.89
	2	676.3	713.8	564.5	113.33	90.00	23.21	320.29	178.77	3	0.898	141.67
	3	541.7	665.1	431.7	112.25	90.00	23.21	320.07	178.61	3	0.892	141.38
	4	530.5	402.1	443.3	113.14	90.00	23.21	320.05	178.70	3	0.899	141.63
	5	932.6	1519.9	902.6	114.46	90.00	23.21	320.74	179.07	3	0.799	141.34
	6	812.9	1111.1	722.9	113.50	90.00	23.21	320.69	178.36	3	0.899	141.44
	7	646.2	646.2	564.2	112.56	90.00	23.21	320.34	176.41	3	0.899	141.48
	8	451.8	649.3	391.9	112.25	90.00	23.21	319.91	176.43	3	0.899	141.48
	9	298.3	477.4	308.8	112.82	90.00	23.21	319.41	176.34	3	0.899	141.57
	10	201.4	377.7	211.4	112.44	90.00	23.21	319.36	176.75	3	0.899	141.66
	11	156.7	273.5	164.7	112.16	90.00	23.21	319.35	176.87	3	0.899	141.75
	12	117.5	228.1	117.5	113.00	90.00	23.21	319.18	176.93	3	0.899	141.84
	13	118.2	205.6	26.5	113.83	90.00	23.21	318.11	179.07	3	0.898	141.86
	14	106.2	172.9	14.2	114.62	90.00	23.21	319.05	179.32	3	0.898	141.97
	15	90.0	157.4	7.2	115.51	93.00	23.18	318.00	180.40	3	0.904	152.05
	16	83.3	139.1	7.2	116.43	78.10	21.34	319.00	184.31	3	0.910	126.77
	17	83.4	139.0	7.2	117.36	76.20	20.22	319.00	187.42	3	0.911	127.48
	18	79.6	114.2	7.2	117.27	72.40	19.36	319.00	189.47	3	0.912	122.55
	19	74.9	106.6	7.2	117.24	68.40	18.39	319.00	191.57	3	0.911	117.20
	20	74.0	101.7	7.2	117.19	64.80	17.54	319.00	193.77	3	0.910	114.54
	31	73.8	96.3	7.2	117.13	65.80	17.08	319.00	195.75	3	0.902	112.02
	22	84.0	123.2	7.2	117.14	67.40	24.75	319.00	180.95	3	0.901	139.94
	23	119.4	348.0	28.4	112.47	90.00	23.21	319.11	176.43	3	0.995	141.47
	24	99.5	347.6	9.5	112.04	90.00	23.21	319.02	176.77	3	0.999	141.68
	25	86.2	197.5	7.2	111.78	79.00	21.74	319.00	187.54	3	0.901	141.61
	26	76.1	169.0	7.2	111.60	68.00	20.82	319.00	190.61	3	0.902	141.65
	27	73.9	154.2	7.2	111.57	64.00	19.46	319.00	193.10	3	0.908	131.41
	28	62.5	91.3	7.2	111.12	55.30	18.05	319.00	197.23	3	0.904	95.57
	29	60.7	101.2	7.2	111.19	51.50	9.97	319.00	197.84	3	0.990	92.31
	30	63.5	111.4	7.2	111.26	54.30	11.94	319.00	196.71	3	0.994	97.24
May	1	64.4	102.7	7.2	111.21	59.20	12.21	319.00	195.59	2	0.902	102.30
	2	45.4	101.2	7.2	111.19	56.20	11.80	319.00	194.01	2	0.902	100.41
	3	71.1	108.6	7.2	111.24	63.80	14.27	319.00	192.54	2	0.902	100.01
	4	54.8	122.2	7.2	111.26	67.70	15.98	319.00	191.49	2	0.910	115.80
	5	67.3	111.4	7.2	111.26	60.10	13.38	319.00	195.14	2	0.903	105.79
	6	62.5	96.5	7.2	111.16	55.30	10.45	319.00	197.19	2	0.904	95.25
	7	57.8	91.3	7.2	111.12	50.40	8.92	319.00	198.96	2	0.882	87.02
	8	52.2	84.3	7.2	111.09	45.00	7.05	319.00	200.36	2	0.843	75.43
	9	44.7	79.5	7.2	111.04	37.50	4.90	319.00	202.06	2	0.904	67.63
	10	40.0	75.1	7.2	111.01	32.90	3.75	319.00	204.24	2	0.911	59.84
	11	38.1	70.7	7.2	110.99	30.90	3.37	319.00	204.49	2	0.908	54.36
	12	37.2	64.3	7.2	110.94	30.00	3.17	319.00	204.91	2	0.907	54.64
	13	36.4	66.5	7.2	110.97	28.20	2.97	319.00	205.04	2	0.902	53.11
	14	31.5	64.1	7.2	110.94	26.50	2.79	319.00	205.36	2	0.902	51.34
	16	31.9	64.1	7.2	110.94	27.50	2.67	319.00	205.43	2	0.909	49.76
	17	31.0	60.0	7.2	110.94	25.70	2.50	319.00	205.78	2	0.900	44.41
	18	31.3	58.1	7.2	110.90	24.00	2.14	319.00	206.09	2	0.904	44.37
	19	30.7	56.2	7.2	110.89	22.30	1.86	319.00	206.26	2	0.919	42.41
	20	29.4	54.3	7.2	110.87	20.50	1.72	319.00	206.41	2	0.885	38.87
	21	29.4	50.3	7.2	110.83	22.20	1.72	319.00	206.44	2	0.846	38.87
	22	29.4	54.2	7.2	110.89	22.50	1.72	319.00	206.40	2	0.863	36.85
	23	29.4	61.8	7.2	110.93	22.20	1.72	319.00	206.34	2	0.846	36.85
	24	32.0	83.9	7.2	111.07	24.30	2.14	319.00	205.78	2	0.884	44.23
	25	33.7	128.0	7.2	111.34	26.50	2.45	319.00	205.19	2	0.894	47.63
	26	46.3	170.8	7.2	111.63	31.10	3.10	319.00	204.36	2	0.904	105.34
	27	84.2	284.5	7.2	112.22	81.00	22.85	319.00	193.95	2	0.908	122.63
	28	45.4	170.8	7.2	111.62	31.20	3.10	319.00	204.36	2	0.911	110.29
	29	51.9	135.5	7.2	111.40	44.10	4.77	319.00	203.85	2	0.836	74.30
	30	47.5	122.5	7.2	111.37	40.30	3.66	319.00	203.02	2	0.842	67.96
	31	55.1	132.4	7.2	111.40	47.90	7.89	319.00	199.41	2	0.872	81.95
Jun.	1	53.1	138.0	7.2	111.36	47.80	7.99	319.00	199.45	2	0.875	81.84
	2	49.4	122.5	7.2	111.37	43.20	6.20	319.00	201.47	2	0.851	76.91
	3	43.7	104.2	7.2	111.22	34.50	3.16	319.00	202.62	2	0.803	68.06
	4	40.0	91.3	7.2	111.13	32.90	3.75	319.00	204.13	2	0.911	59.80
	5	37.2	79.5	7.2	111.04	30.00	3.13	319.00	204.82	2	0.807	54.63
	6	32.0	72.9	7.2	111.00	25.70	2.50	319.00	205.70	2	0.950	44.09
	7	30.3	70.7	7.2	110.99	23.30	1.86	319.00	206.16	2	0.877	45.72
	8	29.4	66.3	7.2	110.94	22.20	1.72	319.00	206.33	2	0.865	38.85
	10	28.6	66.3	7.2	110.94	21.40	1.59	319.00	206.45	2	0.865	38.85
	11	27.8	66.3	7.2	110.96	20.00	1.44	319.00	206.57	2	0.831	35.80
	12	27.0	61.9	7.2	110.93	19.80	1.57	319.00	206.71	2	0.843	33.83
	13	26.1	63.9	7.2	111.07	18.90	1.34	319.00	206.68	2	0.834	31.92
	14	40.0	91.3	7.2	111.12	32.00	3.75	319.00	204.13	2	0.911	59.80
	15	94.8	131.4	7.2	111.26	67.40	24.75	319.00	181.02	2	0.907	140.02
	16	146.1	259.8	54.1	112.06	90.00	23.21	319.21	178.95	3	0.998	141.00
	17	229.5	511.1	199.5	112.95	90.00	23.21	319.45	178.29	3	0.899	141.38
	18	328.0	883.3	238.0	113.60	90.00	23.21	319.67	177.84	3	0.899	141.10
	19	304.4	114.7	314.4	113.17	90.00	23.21	319.62	176.25	3	0.899	141.33
	20	202.5	419.9	119.5	112.72	90.00	23.21	319.40	176.47	3	0.899	141.50
	21	222.4	390.9	124.4	112.42	90.00	23.21	319.43	176.00	3	0.899	141.58
	22	236.5	554.0	165.5	113.01	90.00	23.21	319.47	175.35	3	0.898	141.25
	23	308.6	664.8	218.6	112.28	90.00	23.21	319.65	174.14	3	0.899	141.26
	24	377.2	647.7	272.2	113.22	90.00	23.21	319.77	173.44	3	0.899	141.26
	25	323.8	616.8	233.1	112.95	90.00	23.21	319.66	173.44	3	0.899	141.41
	26	238.9	495.6	148.9	112.92	90.00	23.21	319.67	173.30	3	0.899	141.40
	27	214.2	390.9	143.4	112.62	90.00	23.21	319.41	174.58	3	0.899	141.56
	28	179.7	310.3	86.7	112.33	90.00	23.21	319.32	174.78	3	0.899	141.89
	29	155.7	247.6	63.7	112.04	90.00	23.21	319.34	175.99	3	0.908	141.83
	30	137.5	212.7	47.5	111.84	90.00	23.21	319.18	176.11	3	0.898	141.91

## POWER GENERATION SIMULATION

Year: 1969

DISC A-16 B  
F.S.I. - 21950 M

Rated Hand	1	170.50	oz
Mag. First Discharge	1	90.00	oz

Installed Capacity : 302.0 MW

[illegible]

Date	Discharge (cfs)	Discharge P.M. (cfs)	Flow at T.M. Surface level (cfs)	Flow Q (cfs)	Low level (cfs)	High level (cfs)	Mean level (cfs)	Mean level (cfs)	Mean level (cfs)	Mean level (cfs)	
Dec. 1	419	122.3	7.2	111.29	54.70	4.19	219.00	202.04	1	8.911	62.85
2	446	111.4	7.2	111.26	59.40	5.61	219.00	202.34	1	0.900	70.32
3	473	98.7	7.2	111.27	64.00	5.66	219.00	202.17	2	0.242	67.27
4	457	91.3	7.2	111.13	58.00	5.16	219.00	202.71	1	0.900	69.09
5	419	93.9	7.2	111.07	54.70	4.19	219.00	203.73	1	0.911	63.11
6	31.3	98.1	7.2	111.11	44.70	4.77	219.00	201.12	2	0.939	54.00
7	68.2	178.2	7.2	111.27	62.00	5.16	219.00	202.17	1	0.900	69.09
8	74.9	164.9	7.2	111.29	67.70	13.86	219.00	201.12	2	0.939	54.00
9	68.2	150.7	7.2	111.26	62.00	13.70	219.00	204.35	2	0.906	106.84
10	58.6	144.3	7.2	111.27	61.60	9.27	219.00	204.43	2	0.905	86.79
11	51.3	101.2	7.2	111.19	44.10	4.77	219.00	201.04	2	0.839	74.01
12	41.9	93.8	7.2	111.14	34.70	4.19	219.00	203.67	1	0.811	63.11
13	33.3	77.3	7.2	111.20	28.30	3.79	219.00	202.18	1	0.852	51.23
14	33.7	70.7	7.2	110.99	26.00	2.63	219.00	205.57	1	0.894	47.77
15	32.9	68.5	7.2	110.97	23.70	2.30	219.00	205.79	1	0.900	44.10
16	47.3	56.5	7.2	111.09	20.00	5.66	219.00	203.25	2	0.847	67.20
17	63.5	194.7	7.2	111.31	53.30	10.65	219.00	197.04	2	0.934	92.67
18	54.1	68.8	7.2	111.11	46.00	7.66	219.00	203.33	2	0.970	86.79
19	41.9	72.9	7.2	111.00	34.70	4.19	219.00	205.81	1	0.911	63.11
20	39.1	66.3	7.2	110.96	31.00	3.54	219.00	204.36	1	0.911	58.19
21	37.7	64.1	7.2	110.94	28.30	3.43	219.00	204.41	1	0.894	47.77
22	41.9	63.5	7.2	110.97	24.70	4.19	219.00	201.84	1	0.911	63.11
23	42.6	61.7	7.2	111.06	23.00	4.41	219.00	202.83	1	0.910	64.40
24	39.1	62.9	7.2	111.07	21.50	3.54	219.00	204.36	1	0.911	58.19
25	35.5	72.9	7.2	111.00	28.30	2.79	219.00	202.31	1	0.902	51.23
26	32.6	61.9	7.2	110.92	24.00	2.14	219.00	203.93	1	0.864	44.86
27	28.4	52.4	7.2	110.86	22.30	1.72	219.00	205.43	1	0.845	38.77
28	27.0	46.6	7.2	110.83	18.30	1.37	219.00	204.80	1	0.843	37.85
29	31.2	36.1	7.2	110.90	24.00	3.01	219.00	205.09	1	0.879	42.41
30	33.3	61.9	7.2	110.93	28.30	2.79	219.00	205.29	1	0.902	51.23
31	45.7	51.3	7.2	111.12	34.70	5.16	219.00	202.71	1	0.907	64.00
Jan. 1	36.1	68.8	7.2	111.11	39.90	3.73	219.00	204.37	1	0.909	54.72
2	34.7	61.7	7.2	111.04	27.50	2.63	219.00	205.31	1	0.900	69.09
3	32.0	72.9	7.2	111.00	34.70	2.14	219.00	205.84	1	0.904	43.46
4	31.3	66.3	7.2	110.96	34.00	2.01	219.00	206.04	1	0.879	42.41
5	31.2	66.3	7.2	110.96	34.00	2.01	219.00	204.94	1	0.879	42.41
6	32.0	60.0	7.2	110.91	24.00	2.14	219.00	205.95	1	0.894	44.86
7	34.1	91.3	7.2	111.13	44.30	7.66	219.00	202.33	2	0.970	86.79
8	107.2	150.5	17.2	111.04	90.00	38.31	219.84	178.41	2	0.896	140.09
9	102.8	150.0	17.2	111.79	90.00	38.31	219.84	179.32	2	0.996	142.00
10	128.9	167.8	19.0	111.61	90.00	38.31	219.84	179.32	2	0.996	142.00
11	68.2	114.2	7.2	111.27	61.00	23.85	219.00	202.17	2	0.900	106.84
12	68.3	93.8	7.2	111.14	61.30	13.80	219.00	204.86	2	0.904	105.53
13	36.0	68.8	7.2	111.11	44.00	4.39	219.00	204.00	2	0.878	83.66
14	63.4	114.2	7.2	111.27	56.30	11.80	219.00	204.93	2	0.900	105.54
15	107.2	159.1	17.2	111.55	90.00	38.31	219.84	179.32	2	0.996	142.00
16	145.1	223.9	35.1	111.91	90.00	38.31	219.84	179.32	2	0.996	141.89
17	177.8	200.5	47.8	111.79	90.00	38.31	219.84	179.32	2	0.996	141.89
18	107.2	154.3	17.2	111.54	90.00	38.31	219.84	179.31	2	0.996	142.00
19	96.7	156.1	7.2	111.43	68.30	27.80	219.00	207.17	2	0.960	141.60
20	86.3	138.0	7.2	111.36	50.00	21.74	219.00	205.80	2	0.950	130.08
21	96.6	150.7	8.6	111.36	90.00	38.31	219.84	179.32	2	0.996	142.00
22	141.9	196.3	31.1	111.41	90.00	38.31	219.84	179.37	2	0.996	142.00
23	109.9	178.8	19.9	111.62	90.00	38.31	219.84	179.34	2	0.996	141.88
24	133.7	177.7	21.6	111.76	90.00	38.31	219.84	179.32	2	0.996	141.87
25	64.3	125.3	7.2	111.33	57.30	14.43	219.00	204.83	2	0.910	138.73
26	34.1	106.2	7.2	111.22	44.00	7.66	219.00	203.12	2	0.878	83.66
27	49.4	91.3	7.2	111.13	42.30	6.30	219.00	201.67	2	0.931	70.99
28	86.3	83.9	7.2	111.07	78.00	21.74	219.00	204.19	2	0.950	131.87
29	241.2	204.6	151.2	111.83	90.00	38.31	219.84	179.44	2	0.996	142.00
30	163.6	160.7	72.6	112.13	90.00	38.31	219.84	179.93	2	0.996	141.79
Dec. 1	68.2	144.9	7.2	111.47	61.00	23.85	219.00	204.46	2	0.906	105.51
2	53.1	114.2	7.2	111.27	47.90	7.99	219.00	204.74	2	0.872	91.86
3	47.3	93.8	7.2	111.14	40.00	5.66	219.00	203.30	2	0.842	67.20
4	42.8	81.7	7.2	111.04	34.00	4.67	219.00	203.38	2	0.908	64.23
5	40.0	72.9	7.2	111.00	32.60	3.75	219.00	204.25	1	0.911	58.19
6	38.1	66.3	7.2	110.97	30.90	3.33	219.00	204.70	1	0.900	54.00
7	34.4	64.1	7.2	110.94	28.30	3.07	219.00	205.06	1	0.908	53.11
8	33.3	58.1	7.2	110.90	28.30	2.79	219.00	205.31	1	0.902	51.23
9	33.7	54.2	7.2	110.89	24.30	2.43	219.00	205.67	1	0.894	47.77
10	31.2	32.4	7.2	110.86	24.00	2.01	219.00	205.15	1	0.879	42.62
11	28.4	30.3	7.2	110.85	22.30	1.72	219.00	205.64	1	0.846	38.77
12	26.1	24.2	7.2	110.89	18.00	1.34	219.00	206.67	1	0.834	34.98
13	42.8	106.2	7.2	111.23	37.60	4.41	219.00	202.36	2	0.930	61.86
14	32.3	114.2	7.2	111.27	44.00	4.77	219.00	203.34	2	0.967	78.27
15	42.8	83.9	7.2	111.07	31.00	4.41	219.00	204.36	1	0.910	64.40
16	34.4	70.7	7.2	110.99	28.30	2.63	219.00	205.05	1	0.895	73.00
17	32.0	64.1	7.2	110.94	24.00	2.14	219.00	205.92	1	0.870	44.26
18	31.2	56.2	7.2	110.88	20.00	2.01	219.00	206.11	1	0.870	42.62
19	30.3	52.4	7.2	110.86	21.00	1.66	219.00	206.23	1	0.847	40.71
20	28.4	54.3	7.2	110.87	22.30	1.72	219.00	206.41	1	0.845	38.77
21	27.0	60.0	7.2	110.81	18.00	1.37	219.00	206.72	1	0.840	37.80
22	33.4	52.4	7.2	110.94	18.30	1.43	219.00	206.98	1	0.826	30.51
23	28.4	60.0	7.2	110.91	22.30	1.72	219.00	206.37	1	0.842	38.76
24	34.1	70.7	7.2	110.99	30.00	2.33	219.00	204.48	1	0.909	54.72
25	32.0	78.7	7.2	110.99	24.00	2.14	219.00	205.87	1	0.894	44.25
26	30.6	68.1	7.2	110.90	23.00	1.72	219.00	206.36	1	0.862	38.76
27	31.8	64.9	7.2	110.81	18.00	0.96	219.00	207.23	1	0.897	27.21
28	22.0	34.2	7.2	110.74	15.00	0.87	219.00	207.97	1	0.797	23.39
29	26.2	51.1	7.2	110.74	15.00	0.87	219.00	207.48	0	0.900	8.00
30	23.2	41.4	7.2	110.78	12.00	0.78	219.00	207.43	0	0.900	8.00
31	12.9	58.1	7.2	110.92	11.30	0.71	219.00	207.80	0	0.900	8.00



## POWER GENERATION SIMULATION

Year: 1970

Dm At A B  
F.H.L. = 319.00 mRoad Head : 179.30 m  
Min. First Discharge : 90.00 cum

Installed Capacity : 1610 MW

Date	Discharge Dm (cum)	Discharge F.H.L. (cum)	RMP or Yd Spillage water level m (cum)	Plant Q level m (cum)	Loss	Raw level (cum)	Efficient Head h (cum)	Efficient Unit sec	Output MW	Month y Ave MW	
Jan 1	84.3	244.3	7.2	112.02	79.0	31.74	119.00	119.34	2	0.810	132.43
2	136.0	305.6	96.0	111.89	90.0	28.31	119.15	179.11	1	0.894	141.80
3	104.3	179.6	14.3	111.67	90.0	28.31	119.04	179.16	2	0.896	141.93
4	93.7	135.4	7.2	111.32	84.3	27.36	119.00	119.30	1	0.900	140.48
5	109.9	191.3	18.9	111.74	90.0	28.31	119.07	179.12	2	0.890	141.91
6	132.4	300.3	102.4	112.10	90.0	28.31	119.35	179.04	1	0.896	141.86
7	140.3	330.9	72.3	112.41	90.0	28.31	119.37	178.86	2	0.899	141.81
8	154.9	344.3	64.8	112.62	90.0	28.31	119.34	179.01	2	0.898	141.81
9	146.1	315.8	54.1	112.85	90.0	28.31	119.31	179.13	2	0.898	141.81
10	144.7	199.3	24.7	112.74	90.0	28.31	119.10	179.15	2	0.896	141.93
11	72.7	147.7	7.2	111.48	71.3	17.80	119.00	119.31	2	0.912	131.18
12	96.0	111.4	7.2	111.26	48.8	8.29	119.00	119.43	3	0.876	83.39
13	47.3	94.3	7.2	111.16	44.3	5.64	119.00	120.19	2	0.842	67.37
14	51.3	81.7	7.2	111.06	40.1	4.77	119.00	120.17	2	0.839	74.71
15	73.8	94.3	7.2	111.11	64.6	16.39	119.00	119.30	2	0.911	117.28
16	101.4	147.7	11.4	111.48	90.0	28.31	119.03	179.33	2	0.896	142.00
17	73.0	122.3	7.2	111.33	64.8	14.62	119.00	119.05	2	0.908	111.37
18	40.7	93.9	7.2	111.14	33.3	3.97	119.00	119.89	2	0.890	92.33
19	34.0	83.9	7.2	111.07	48.8	8.29	119.00	119.63	2	0.876	81.08
20	33.1	72.9	7.2	111.03	47.9	7.99	119.00	119.94	2	0.874	82.80
21	31.5	64.3	7.2	110.94	44.1	4.77	119.00	120.37	2	0.886	92.34
22	45.7	64.1	7.2	110.94	36.3	3.14	119.00	120.30	1	0.903	66.14
23	35.3	54.2	7.2	110.89	28.3	2.79	119.00	120.33	1	0.902	51.36
24	27.8	32.4	7.2	110.84	20.4	1.48	119.00	120.44	1	0.851	33.32
25	27.8	46.7	7.2	110.82	18.8	1.37	119.00	120.81	1	0.843	33.83
26	24.1	44.8	7.2	110.81	18.8	1.24	119.00	120.95	1	0.834	31.97
27	24.1	44.8	7.2	110.81	18.8	1.24	119.00	120.95	1	0.834	31.97
28	23.4	34.2	7.2	110.89	18.2	1.13	119.00	120.94	1	0.836	30.30
29	23.4	48.6	7.2	110.83	18.2	1.15	119.00	120.81	1	0.836	30.31
30	24.3	48.6	7.2	110.83	17.3	1.84	119.00	120.33	1	0.816	28.61
31	24.3	44.9	7.2	110.81	17.3	1.84	119.00	120.33	1	0.816	28.61
Feb 1	32.0	32.4	7.2	110.86	34.8	2.14	119.00	120.00	1	0.884	44.28
2	33.3	84.3	7.2	111.09	44.0	7.37	119.00	120.34	2	0.847	78.35
3	93.7	215.8	7.2	111.86	94.3	27.08	119.00	179.83	2	0.860	140.45
4	133.7	186.5	43.7	111.73	90.0	28.31	119.17	179.23	2	0.898	141.94
5	117.6	170.8	27.4	111.62	90.0	28.31	119.11	179.27	2	0.898	142.00
6	107.2	162.0	12.2	111.57	90.0	28.31	119.06	179.28	2	0.898	142.00
7	98.6	147.9	8.4	111.44	90.0	28.31	119.01	179.31	2	0.898	142.00
8	90.0	125.2	7.2	111.34	82.8	23.88	119.00	119.35	2	0.904	135.16
9	72.0	96.7	7.2	111.17	64.8	14.62	119.00	119.29	2	0.900	111.47
10	59.8	61.7	7.2	111.06	32.4	9.44	119.00	119.30	2	0.886	92.34
11	45.7	64.3	7.2	110.96	36.3	3.14	119.00	120.30	1	0.903	66.14
12	37.2	54.3	7.2	110.87	30.0	2.13	119.00	120.99	1	0.867	54.08
13	31.2	46.7	7.2	110.82	24.0	2.01	119.00	120.17	1	0.879	42.43
14	33.7	30.3	7.2	110.85	34.3	2.43	119.00	120.81	1	0.894	47.77
15	36.1	58.1	7.2	110.80	36.3	3.33	119.00	120.78	1	0.869	54.36
16	49.4	72.5	7.2	111.04	42.2	4.20	119.00	120.75	2	0.851	71.01
17	41.0	72.9	7.2	111.00	33.8	3.98	119.00	120.62	1	0.832	61.41
18	39.1	64.3	7.2	110.94	31.9	3.54	119.00	120.30	1	0.911	54.32
19	44.7	70.7	7.2	110.99	37.5	4.90	119.00	120.12	1	0.905	67.65
20	47.5	81.3	7.2	111.12	40.3	5.46	119.00	120.23	2	0.842	67.29
21	61.7	100.7	7.2	111.21	54.3	10.34	119.00	119.43	2	0.890	94.30
22	107.2	136.0	17.3	111.54	90.0	28.31	119.04	179.49	2	0.898	142.00
23	136.4	170.8	27.4	111.62	90.0	28.31	119.11	179.27	2	0.898	142.00
24	90.0	119.7	7.2	111.31	82.8	23.88	119.00	119.31	2	0.904	135.16
25	53.1	81.7	7.2	111.06	47.9	7.99	119.00	119.95	2	0.874	81.99
26	42.3	64.1	7.2	110.94	40.3	5.44	119.00	120.30	2	0.843	67.36
27	40.0	58.1	7.2	110.90	32.8	3.75	119.00	120.35	1	0.911	59.87
28	34.1	34.2	7.2	110.89	30.9	3.33	119.00	120.79	1	0.909	54.36
Mar 1	31.3	34.3	7.2	110.87	28.3	2.79	119.00	120.34	1	0.902	51.37
2	32.0	32.4	7.2	110.86	34.8	2.14	119.00	120.00	1	0.884	44.28
3	30.3	30.3	7.2	110.83	31.1	1.85	119.00	120.29	1	0.873	40.75
4	28.4	44.8	7.2	110.81	22.2	1.72	119.00	120.44	1	0.844	34.98
5	27.0	41.4	7.2	110.76	18.8	1.37	119.00	120.85	1	0.844	31.96
6	24.4	39.7	7.2	110.77	18.2	1.13	119.00	120.97	1	0.826	30.32
7	23.8	34.7	7.2	110.75	16.4	0.94	119.00	120.79	1	0.807	27.22
8	33.8	35.1	7.2	110.74	16.6	0.86	119.00	120.30	1	0.807	27.23
9	27.0	34.7	7.2	110.73	13.8	1.37	119.00	120.86	1	0.844	31.96
10	27.0	54.3	7.2	110.89	19.8	1.37	119.00	120.75	1	0.840	31.84
11	34.7	64.3	7.2	110.96	27.5	2.63	119.00	120.41	1	0.896	49.75
12	53.2	96.3	7.2	111.16	44.0	7.37	119.00	120.37	2	0.867	78.32
13	97.7	147.7	7.2	111.64	90.0	28.31	119.00	179.31	2	0.898	142.00
14	122.3	194.4	23.5	111.74	90.0	28.31	119.12	179.16	2	0.898	141.93
15	121.9	191.3	31.3	111.74	90.0	28.31	119.12	179.17	2	0.898	141.94
16	62.4	147.7	7.2	111.44	73.3	18.40	119.00	119.82	2	0.911	136.13
17	79.6	122.5	7.2	111.33	72.4	18.26	119.00	119.42	2	0.912	122.37
18	77.7	114.9	7.2	111.29	70.3	17.31	119.00	119.40	2	0.911	119.90
19	100.4	170.8	18.4	111.40	90.0	28.31	119.02	179.41	2	0.898	142.00
20	176.4	221.8	84.6	111.81	90.0	28.31	119.31	179.19	2	0.898	141.93
21	144.6	212.7	74.6	111.84	90.0	28.31	119.37	179.20	2	0.898	141.96
22	144.6	203.6	74.6	111.81	90.0	28.31	119.37	179.23	2	0.898	141.99
23	139.4	179.8	28.4	111.67	90.0	28.31	119.11	179.23	2	0.898	141.99
24	80.1	144.9	7.2	111.47	81.9	23.36	119.00	119.17	2	0.907	134.11
25	68.1	122.5	7.2	111.37	61.1	12.03	119.00	119.87	2	0.904	102.42
26	54.9	96.7	7.2	111.17	49.7	8.60	119.00	119.23	2	0.879	83.30
27	30.4	83.9	7.2	111.07	43.3	3.80	119.00	120.33	2	0.844	71.94
28	41.0	72.9	7.2	111.00	33.8	3.98	119.00	120.62	1	0.832	61.41
29	39.1	64.3	7.2	110.94	31.9	3.54	119.00	120.30	1	0.911	54.32
30	37.2	60.0	7.2	110.91	30.0	3.13	119.00	120.95	1	0.867	54.47
31	34.1	64.3	7.2	110.87	28.3	2.79	119.00	120.34	1	0.902	51.37

## POWER GENERATION SIMULATION

Year: 1970

Dose Ash B  
FSL = 319.00 inRoad Head : 179.30 in  
Min. Plant Discharge : 90.00 csm

Installed Capacity : 142.6 MW

Date		Discharge		RMF at Tail		Plant Q	Raw	Minist	Discharge	Output	Month
		Dose (csm)	PAI (csm)	Spillage level in (csm)	level in (csm)						
Jul	1	289.9	689.5	119.25	90.0	28.31	319.29	178.17	2.099	141.34	
	2	289.0	693.8	119.24	90.0	28.31	320.17	178.30	2.099	141.39	
	3	447.4	799.5	119.27	90.0	28.31	319.91	178.33	2.099	141.40	
	4	505.8	876.5	119.27	90.0	28.31	319.43	178.57	2.099	141.54	
	5	504.0	874.3	119.27	90.0	28.31	319.36	178.74	2.099	141.68	
	6	472.8	847.0	119.25	90.0	28.31	319.23	178.89	2.099	141.76	
	7	433.5	817.9	119.29	90.0	28.31	319.12	178.93	2.099	141.79	
	8	400.9	802.7	119.29	90.0	28.31	319.06	179.02	2.099	141.85	
	9	382.2	813.6	119.29	90.0	28.31	319.00	184.44	2.098	141.87	
	10	71.0	162.0	119.27	90.0	28.31	319.00	180.80	2.098	141.92	
	11	69.2	167.7	119.27	90.0	28.31	319.00	184.13	2.098	141.93	
	12	69.2	162.0	119.27	90.0	28.31	319.00	184.13	2.098	141.93	
	13	68.0	160.7	119.27	90.0	28.31	319.00	184.42	2.098	141.93	
	14	68.0	160.7	119.27	90.0	28.31	319.00	184.42	2.098	141.93	
	15	68.0	160.7	119.27	90.0	28.31	319.00	184.42	2.098	141.93	
	16	68.0	160.7	119.27	90.0	28.31	319.00	184.42	2.098	141.93	
	17	68.0	160.7	119.27	90.0	28.31	319.00	184.42	2.098	141.93	
	18	68.0	160.7	119.27	90.0	28.31	319.00	184.42	2.098	141.93	
	19	68.0	160.7	119.27	90.0	28.31	319.00	184.42	2.098	141.93	
	20	68.0	160.7	119.27	90.0	28.31	319.00	184.42	2.098	141.93	
	21	68.0	160.7	119.27	90.0	28.31	319.00	184.42	2.098	141.93	
	22	68.0	160.7	119.27	90.0	28.31	319.00	184.42	2.098	141.93	
	23	68.0	160.7	119.27	90.0	28.31	319.00	184.42	2.098	141.93	
	24	68.0	160.7	119.27	90.0	28.31	319.00	184.42	2.098	141.93	
	25	68.0	160.7	119.27	90.0	28.31	319.00	184.42	2.098	141.93	
	26	68.0	160.7	119.27	90.0	28.31	319.00	184.42	2.098	141.93	
	27	68.0	160.7	119.27	90.0	28.31	319.00	184.42	2.098	141.93	
	28	68.0	160.7	119.27	90.0	28.31	319.00	184.42	2.098	141.93	
	29	68.0	160.7	119.27	90.0	28.31	319.00	184.42	2.098	141.93	
	30	68.0	160.7	119.27	90.0	28.31	319.00	184.42	2.098	141.93	
	31	125.2	186.5	119.27	90.0	28.31	319.24	179.20	2.098	141.94	1923
Aug	1	106.2	142.6	143.11	90.0	28.31	319.05	179.27	2.098	142.00	
	2	72.0	136.5	119.27	90.0	28.31	319.00	182.94	2.098	141.93	
	3	62.5	116.0	119.27	90.0	28.31	319.00	182.94	2.098	141.93	
	4	58.8	108.6	119.27	90.0	28.31	319.00	184.40	2.098	141.93	
	5	54.1	100.7	119.27	90.0	28.31	319.00	184.13	2.098	141.93	
	6	51.3	100.7	119.27	90.0	28.31	319.00	184.13	2.098	141.93	
	7	49.4	98.7	119.27	90.0	28.31	319.00	184.13	2.098	141.93	
	8	47.3	96.3	119.27	90.0	28.31	319.00	184.13	2.098	141.93	
	9	47.3	96.3	119.27	90.0	28.31	319.00	184.13	2.098	141.93	
	10	46.6	94.1	119.27	90.0	28.31	319.00	184.13	2.098	141.93	
	11	45.7	92.7	119.27	90.0	28.31	319.00	184.13	2.098	141.93	
	12	45.7	92.7	119.27	90.0	28.31	319.00	184.13	2.098	141.93	
	13	45.7	92.7	119.27	90.0	28.31	319.00	184.13	2.098	141.93	
	14	45.7	92.7	119.27	90.0	28.31	319.00	184.13	2.098	141.93	
	15	45.7	92.7	119.27	90.0	28.31	319.00	184.13	2.098	141.93	
	16	45.7	92.7	119.27	90.0	28.31	319.00	184.13	2.098	141.93	
	17	45.7	92.7	119.27	90.0	28.31	319.00	184.13	2.098	141.93	
	18	45.7	92.7	119.27	90.0	28.31	319.00	184.13	2.098	141.93	
	19	45.7	92.7	119.27	90.0	28.31	319.00	184.13	2.098	141.93	
	20	45.7	92.7	119.27	90.0	28.31	319.00	184.13	2.098	141.93	
	21	45.7	92.7	119.27	90.0	28.31	319.00	184.13	2.098	141.93	
	22	45.7	92.7	119.27	90.0	28.31	319.00	184.13	2.098	141.93	
	23	45.7	92.7	119.27	90.0	28.31	319.00	184.13	2.098	141.93	
	24	45.7	92.7	119.27	90.0	28.31	319.00	184.13	2.098	141.93	
	25	45.7	92.7	119.27	90.0	28.31	319.00	184.13	2.098	141.93	
	26	45.7	92.7	119.27	90.0	28.31	319.00	184.13	2.098	141.93	
	27	45.7	92.7	119.27	90.0	28.31	319.00	184.13	2.098	141.93	
	28	45.7	92.7	119.27	90.0	28.31	319.00	184.13	2.098	141.93	
	29	45.7	92.7	119.27	90.0	28.31	319.00	184.13	2.098	141.93	
	30	45.7	92.7	119.27	90.0	28.31	319.00	184.13	2.098	141.93	
	31	106.2	142.6	143.11	90.0	28.31	319.24	179.20	2.098	141.94	67.7
Sep	1	151.9	363.8	61.9	112.12	90.0	28.31	319.23	178.90	2.098	141.77
	2	177.5	473.1	111.86	90.0	28.31	319.13	179.10	2.098	141.90	
	3	112.8	179.4	111.87	90.0	28.31	319.08	179.30	2.098	141.94	
	4	96.7	156.1	111.87	90.0	28.31	319.00	179.53	2.099	141.95	
	5	101.4	162.0	114.11	90.0	28.31	319.03	179.37	2.098	142.00	
	6	125.2	186.5	112.14	90.0	28.31	319.23	179.27	2.098	141.94	
	7	348.4	873.3	112.61	90.0	28.31	319.36	178.64	2.098	141.63	
	8	293.7	812.6	112.66	90.0	28.31	319.40	178.70	2.099	141.64	
	9	205.8	713.6	112.73	90.0	28.31	319.36	178.63	2.099	141.74	
	10	180.0	650.0	112.64	90.0	28.31	319.23	178.94	2.098	141.81	
	11	133.7	508.7	111.84	90.0	28.31	319.17	179.12	2.098	141.91	
	12	107.2	417.8	111.61	90.0	28.31	319.04	178.34	2.098	141.99	
	13	101.4	325.4	114.11	90.0	28.31	319.03	178.30	2.098	142.00	
	14	98.9	298.1	111.43	90.0	28.31	319.00	180.17	2.098	142.05	
	15	71.0	162.0	111.34	90.0	28.31	319.00	182.94	2.098	141.93	
	16	68.0	160.7	111.29	90.0	28.31	319.00	184.13	2.098	141.93	
	17	61.7	120.7	111.21	90.0	28.31	319.00	184.13	2.098	141.93	
	18	59.0	101.5	111.19	90.0	28.31	319.00	184.13	2.098	141.93	
	19	58.8	98.7	111.17	90.0	28.31	319.00	184.13	2.098	141.93	
	20	54.9	91.7	111.14	90.0	28.31	319.00	184.13	2.098	141.93	
	21	54.9	91.7	111.12	90.0	28.31	319.00	184.13	2.098	141.93	
	22	54.0	91.3	111.11	90.0	28.31	319.00	184.13	2.098	141.93	
	23	54.0	91.3	111.11	90.0	28.31	319.00	184.13	2.098	141.93	
	24	54.1	91.8	111.11	90.0	28.31	319.00	184.13	2.098	141.93	
	25	53.2	91.3	111.12	90.0	28.31	319.00	184.13	2.098	141.93	
	26	53.2	91.3	111.12	90.0	28.31	319.00	184.13	2.098	141.93	
	27	53.2	91.3	111.12	90.0	28.31	319.00	184.13	2.098	141.93	
	28	53.2	91.3	111.12	90.0	28.31	319.00	184.13	2.098	141.93	
	29	71.1	120.7	111.31	90.0	28.31	319.00	184.13	2.098	141.93	
	30	77.7	147.7	111.48	90.0	28.31	319.00	184.13	2.098	141.93	

Date	Discharge Dose (csm)	Discharge PAI (csm)	RMF at Tail Spillage water level in (csm)	Plant Q level in (csm)	Loss	Raw level	Minist Head b	Discharge Unit sec	Output MW	Month y Ave MW	
Oct.	1	72.0	136.5	72	111.20	51.80	14.32	119.00	182.97	2.098	141.97
2	69.2	136.6	72	111.20	42.00	13.30	119.00	184.11	2.098	141.96	
3	68.0	142.0	72	111.37	51.10	13.00	119.00	184.43	2.098	142.27	
4	66.4	144.9	72	111.47	56.20	13.20	119.00	184.31	2.098	142.15	
5	54.1	109.7	72	111.31	44.90	7.64	119.00	200.09	2.070	78.97	
6	44.6	105.7	72	111.21	38.40	5.41	119.00	202.39	1.960	70.34	
7	43.8	93.8	72	111.14	34.40	4.47	119.00	205.19	1.968	64.21	
8	47.5	93.8	72	111.14	40.40	5.44	119.00	202.30	2.043	67.28	
9	53.2	111.4	72	111.26	44.00	7.37	119.00	200.37	2.043	78.57	
10	96.8	225.5	72	111.40	53.00	9.84	119.00	197.97	2.047	90.36	
11	97.8	216.9	72	111.29	50.40	8.82	119.00	198.79	2.047	90.36	
12	92.2	190.7	72	111.17	45.00	7.76	119.00	202.77	2.043	76.30	
13	44.6	93.8	72	111.14	34.40	5.41	119.00	202.43	1.960	70.36	
14	39.1	81.7	72	111.06	31.50	5.54	119.00	204.40	1.911	74.96	
15	53.5	77.3	72	111.83	38.20	3.79	119.00	209.19	1.932	51.20	
16	32.0	77.3	72	111.03	34.80	2.14	119.00	215.21	1.864	44.24	
17	34.0	93.8	72	111.11	44.00	4.64	119.00	193.32	1.930	114.57	
18	289.6	826.6	113.6	111.49	90.00	28.31	119.00	179.48	2.098	142.00	
19	204.0	625.5	116.0	112.01	90.00	28.31	119.00	179.04	2.098	141.88	
20	154.8	441.1	114.8	112.01	90.00	28.31	119.00	179.02	2.098	141.85	
21	138.8	365.5	112.19	112.19	90.00	28.31	119.00	176.84	2.089	141.73	
22	124.2	294.1	112.07	112.07	90.00	28.31	119.13	178.35	2.089	141.74	
23	123.2	294.9	111.82	112.00	90.00	28.31	119.13	179.50	2.098	141.83	
24	90.4	191.5	114.1	114.76	95.00	28.31	119.00	175.07	2.088	141.88	
25	84.2	167.8	72	111.81	79.50	21.74	119.00	182.64	2.098	137.72	
26	82.4	150.4	72	111.75	75.20	18.54	119.00	187.80	2.098	137.72	
27	78.7	146.5	72	111.54	69.30	17.00	119.00	189.66	2.091	121.15	
28	76.7	142.0	72	111.45	65.20	15.82	119.00	190.75	2.091	118.37	
29	79.1	125.2	72	111.34	62.50	15.78	119.00	190.86	2.097	108.35	
30	54.9	114.0	72	111.28	48.70	8.88	119.00	198.11	2.079	63.26	
31	45.7	107.7	72	111.21	37.50	5.16	119.00	202.43	1.952	49.04	101.07
Nov.	1	69.1	93.8	72	111.14	32.90	9.75	119.00	196.13	2.048	91.26
2	68.8	108.4	72	111.24	42.40	13.36	119.00	196.00	2.047	87.40	
3	78.4	123.5	72	111.37	71.20	17.66	119.00	190.02	2.123	130.86	
4	98.5	91.5	72	111.25	51.30	8.17	119.00	198.71	2.084	98.32	
5	44.7	93.8	72	111.14	34.40	5.41	119.00	212.87	1.960	70.23	
6	43.8	96.5	72	110.97	34.70	4.49	119.00	203.54	1.968	66.42	
7	43.0	46.5	72	110.87	34.70	4.49	119.00	203.34	1.968	64.02	
8	43.3	76.7	72	110.90	36.10	5.46	119.00	202.94	1.994	64.94	
9	48.5	77.3	72	111.03	42.30	6.33	119.00	201.74	2.032	71.23	
10	44.7	72.9	72	110.90	36.50	5.43	119.00	202.57	1.960	70.23	
11	37.2	96.1	72	110.80	36.60	5.13	119.00	204.87	1.907	54.47	
12	54.9	54.2	72	110.89	28.80	2.89	119.00	202.23	1.934	51.35	
13	54.8	54.3	72	110.87	27.80	2.85	119.00	209.47	1.968	49.97	
14	54.8	54.3	72	110.87	27.80	2.65	119.00	206.47	1.968	49.97	
15	32.4	30.3	72	110.85	23.20	2.31	119.00	205.94	1.907	45.11	
16	31.1	44.6	72	110.83	23.90	1.99	119.00	206.18	1.878	42.43	
17	39.9	44.7	72	110.85	23.70	1.78	119.00	206.00	1.878	42.43	
18	28.7	44.6	72	110.81	21.30	1.81	119.00	204.58	1.840	37.41	
19	37.3	42.9	72	110.79	19.30	1.81	119.00	206.77	1.840	34.90	
20	34.6	41.4	72	110.78	18.50	1.60	119.00	206.93	1.838	32.81	
21	24.5	36.2	72	110.76	17.30	1.40	119.00	207.30	1.816	28.66	
22	23.5	36.7	72	110.75	17.30	0.95	119.00	207.32	1.804	26.61	
23	22.5	35.1	72	110.74	15.30	0.82	119.00	207.44	0.800	0.00	
24	21.5	33.7	72	110.73	14.30	0.71	119.00	207.54	0.800	0.00	
25	20.5	32.0	72	110.72	13.30	0.62	119.00	207.67	0.800	0.00	
26	20.5	32.0	72	110.72	13.30	0.62	119.00	207.67	0.800	0.00	
27	21.5	33.5	72	110.73	14.30	0.71	119.00	207.54	0.800	0.00	
28	20.5	31.1	72	110.74	15.30	0.82	119.00	207.44	0.800	0.00	
29	24.5	41.4	72	110.78	19.30	1.30	119.00	206.93	1.838	32.81	
30	23.5	39.7	72	110.77	18.30	1.17	119.00	207.04	1.838	30.73	
Dec.	1	27.5	41.9	72	110.79	20.30	1.44	119.00	206.77	1.844	34.90
2	28.9	44.7	72	110.82	22.70	1.79	119.00	206.39	1.872	39.92	
3	34.3	41.4	72	110.76	19.30	1.30	119.00	206.93	1.878	32.81	
4	35.3	39.7	72	110.77	18.30	1.17	119.00	207.04	1.838	30.73	
5	23.5	34.3	72	110.75	15.30	0.93	119.00	207.32	1.834	24.61	
6	21.5	33.5	72	110.73	14.30	0.71	119.00	207.54	0.800	0.00	
7	18.5	30.5	72	110.71	13.30	0.73	119.00	207.77	0.800	0.00	
8	18.5	30.5	72	110.71	13.30	0.43	119.00	207.77	0.800	0.00	
9	30.5	32.0	72	110.73	15.30	0.62	119.00	207.67	0.800	0.00	
10	44.4	101.7	72	111.11	39.20	13.23	119.00	195.56	2.082	120.30	
11	126.5	197.5	94.3	110.79	90.00	28.31	119.00	195.56	2.082	119.93	
12	108.4	167.8	72	111.02	90.00	28.31	119.00	197.23	2.098	141.98	
13	82.0	128.0	72	111.54	74.30	14.49	119.00	198.15	2.091	125.08	
14	64.4	107.7	72	111.31	59.30	12.21	119.00	198.56	2.082	102.30	
15	80.2	125.2	72	111.54	71.00	13.96	119.00	198.16	2.091	123.37	
16	76.7	119.7	72	111.51	65.30	14.92	119.00	197.87	2.091	118.46	
17	69.1	106.6	72	111.34	62.40	13.56	119.00	194.20	2.086	107.60	
18	44.8	101.2	72	111.19	57.40	11.55	119.00	196.36	2.089	99.57	
19	34.5	91.3	72	111.12	51.50	9.17	119.00	196.71	2.084	98.32	
20	44.1	75.1	72	111.01	40.80	5.83	119.00	202.16	2.043	66.30	
21	41.1	64.1	72	110.94	35.80	4.00	119.00	204.06	1.932	61.80	
22	44.7	72.9	72	111.00	39.50	5.43	119.00	202.57	1.930	70.23	
23	152.4	379.9	62.4	111.99	90.00	28.31	119.23	179.05	2.089	141.83	
24	305.2	476.3	215.2	112.27	90.00	28.31	119.23	176.54	2.089	141.34	
25	241.1	376.4	111.1	112.58	90.00	28.31	119.44	176.49	2.099	141.64	
26	307.7	485.3	219.7	112.84	90.00	28.31	119.44	176.49	2.099	141.64	
27	391.0	626.4	201.6	113.00	90.00	28.31	119.44	176.49	2.099	141.54	
28	397.9	651.1	202.7	112.94	90.00	28.31	119.44	176.54	2.099	141.53	
29	239.8	377.4	110.8	113.40	90.00	28.31	119.49	176.79	2.099	141.70	
30	111.4	283.0	61.4	112.21	90.00	28.31	119.71	176.90	2.086	141.77	
31	140.5	280.1	125.1	112.29	90.00	28.31	119.44	176.90	2.092	114.63	70.20

## POWER GENERATION SIMULATION

Year: 1971

Date: Apr 8  
P.E.L. = 319.00 mRated Head: 179.30 m  
Max. Plant Discharge: 90.00 m³/s

Installed Capacity: 147.0 MW

Date	Discharge Dam (m³/s)	Discharge P.E.L. (m)	ELF or Tail Spillage water level (m)	Plant Q (m³/s)	Rev level	Effluent Head h (m)	Efficiency Unit m³/s	Output MW	Month y Ave. MW
Jan 1	321.0	371.8	371.0	113.00	90.0	28.21	319.44	178.43	2 0.898 141.44
2	443.3	778.1	375.3	113.44	90.0	28.21	319.44	178.39	2 0.898 141.38
3	475.0	743.8	336.0	113.36	90.0	28.21	319.47	178.25	2 0.899 141.37
4	414.0	632.9	326.0	113.23	90.0	28.21	319.43	178.40	2 0.899 141.43
5	408.4	631.7	313.4	113.23	90.0	28.21	319.43	178.30	2 0.899 141.43
6	363.1	799.4	302.1	113.47	90.0	28.21	319.41	178.13	2 0.899 141.28
7	371.2	697.2	281.2	113.30	90.0	28.21	319.46	178.23	2 0.899 141.35
8	297.4	573.1	207.4	112.58	90.0	28.21	319.41	178.32	2 0.899 141.40
9	149.4	449.9	159.4	112.80	90.0	28.21	319.50	178.49	2 0.899 141.31
10	446.9	635.3	376.9	113.50	90.0	28.21	319.93	178.52	2 0.899 141.33
11	541.0	685.3	478.1	113.40	90.0	28.21	320.11	178.30	2 0.899 141.34
12	548.1	746.2	478.1	113.41	90.0	28.21	320.04	178.44	2 0.899 141.49
13	446.9	646.3	388.9	113.25	90.0	28.21	319.81	178.44	2 0.899 141.44
14	369.4	846.7	273.4	113.51	90.0	28.21	319.75	177.99	2 0.899 141.19
15	248.4	487.9	178.4	112.90	90.0	28.21	319.33	178.44	2 0.899 141.47
16	187.1	327.4	97.1	112.40	90.0	28.21	319.34	178.73	2 0.899 141.44
17	109.0	263.9	59.0	112.32	90.0	28.21	319.22	178.85	2 0.898 141.77
18	189.4	234.9	28.4	111.82	90.0	28.21	319.11	178.99	2 0.898 141.83
19	109.9	197.5	18.9	111.78	90.0	28.21	319.87	179.06	2 0.898 141.88
20	91.9	178.4	7.2	111.47	85.7	25.38	319.00	181.75	2 0.904 137.93
21	84.3	162.0	7.2	111.37	77.1	23.76	319.00	184.73	2 0.911 138.44
22	71.7	154.3	7.2	111.34	70.5	17.51	319.00	182.15	2 0.911 137.74
23	117.4	208.7	27.4	111.84	90.0	28.21	319.11	179.05	2 0.898 141.87
24	101.4	175.7	11.4	111.64	90.0	28.21	319.82	179.18	2 0.898 141.85
25	74.7	144.8	7.2	111.47	68.5	14.92	319.00	182.71	2 0.911 138.34
26	78.9	128.0	7.2	111.34	52.6	9.44	319.00	180.00	2 0.887 90.98
27	42.5	133.5	7.2	111.40	53.5	10.45	319.00	184.93	2 0.904 94.43
28	45.4	128.0	7.2	111.36	58.2	11.80	319.00	185.84	2 0.900 100.51
29	27.8	122.3	7.2	111.33	34.6	4.92	319.00	184.74	2 0.882 84.82
30	94.7	142.0	7.2	111.43	94.5	27.90	319.00	179.45	2 0.899 141.41
31	121.3	197.5	21.3	111.73	90.0	28.21	319.12	179.13	2 0.898 141.92
Feb 1	136.4	200.5	34.4	111.79	90.0	28.21	319.15	179.15	2 0.898 141.93
2	130.4	205.6	40.4	111.81	90.0	28.21	319.14	179.14	2 0.898 141.92
3	98.3	151.4	8.3	111.32	90.0	28.21	319.01	179.28	2 0.898 142.00
4	83.8	150.7	7.2	111.36	74.6	20.44	319.00	187.19	2 0.911 137.97
5	87.3	156.3	7.2	111.41	80.1	22.35	319.00	183.54	2 0.908 132.13
6	91.0	162.0	7.2	111.43	83.3	24.46	319.00	187.09	2 0.905 136.15
7	94.6	147.7	7.2	111.48	87.4	24.40	319.00	180.91	2 0.901 139.48
8	113.2	176.7	23.2	111.44	90.0	28.21	319.89	179.23	2 0.898 141.97
9	101.9	159.1	11.9	111.35	90.0	28.21	319.83	179.27	2 0.898 142.00
10	83.5	133.5	7.2	111.40	78.7	21.35	319.00	186.33	2 0.910 130.03
11	111.3	175.7	21.3	111.44	90.0	28.21	319.08	179.25	2 0.898 141.98
12	134.3	200.7	44.3	111.84	90.0	28.21	319.17	179.12	2 0.898 141.91
13	144.1	224.9	54.1	111.92	90.0	28.21	319.21	179.07	2 0.898 141.88
14	242.0	409.0	172.0	112.41	90.0	28.21	319.33	178.44	2 0.898 141.80
15	248.1	367.3	158.1	112.41	90.0	28.21	319.30	178.47	2 0.899 141.83
16	183.6	288.7	95.6	112.34	90.0	28.21	319.37	178.89	2 0.898 141.74
17	194.4	303.4	104.6	112.30	90.0	28.21	319.34	178.83	2 0.899 141.76
18	179.2	277.3	83.2	112.16	90.0	28.21	319.30	178.93	2 0.898 141.79
19	134.3	200.7	44.3	111.84	90.0	28.21	319.17	179.12	2 0.898 141.91
20	117.0	182.6	27.0	111.49	90.0	28.21	319.10	179.30	2 0.898 141.84
21	160.7	230.8	70.7	112.04	90.0	28.21	319.24	178.99	2 0.898 141.83
22	223.1	311.5	130.1	112.49	90.0	28.21	319.44	178.74	2 0.899 141.67
23	238.1	449.8	198.1	112.80	90.0	28.21	319.39	178.38	2 0.899 141.54
24	247.7	425.4	182.7	112.67	90.0	28.21	319.32	178.64	2 0.899 141.61
25	302.4	448.9	210.4	112.83	90.0	28.21	319.41	178.15	2 0.898 141.55
26	216.4	377.7	124.4	112.44	90.0	28.21	319.43	178.77	2 0.898 141.60
27	152.1	254.1	72.8	112.07	90.0	28.21	319.27	178.99	2 0.898 141.82
28	132.4	204.6	42.4	111.93	90.0	28.21	319.16	179.13	2 0.898 141.92
Mar 1	100.3	179.4	13.3	111.47	90.0	28.21	319.04	179.15	2 0.898 141.93
2	74.9	144.8	7.2	111.39	67.7	15.96	319.00	181.43	2 0.910 135.64
3	67.3	147.7	7.2	111.44	60.1	12.98	319.00	184.94	2 0.903 102.66
4	130.0	200.5	34.0	111.79	90.0	28.21	319.23	179.23	2 0.898 141.99
5	321.0	541.9	231.0	112.53	90.0	28.21	319.44	178.92	2 0.898 141.93
6	429.5	903.2	376.5	112.93	90.0	28.21	319.87	178.73	2 0.899 141.64
7	347.4	646.0	257.4	112.79	90.0	28.21	319.71	178.71	2 0.899 141.63
8	234.8	334.3	134.8	112.42	90.0	28.21	319.44	178.81	2 0.899 141.71
9	208.3	295.1	110.3	112.23	90.0	28.21	319.40	178.93	2 0.898 141.79
10	192.4	293.1	102.4	112.25	90.0	28.21	319.31	178.96	2 0.898 141.76
11	156.7	246.5	64.7	112.21	90.0	28.21	319.23	178.81	2 0.899 141.72
12	148.0	294.6	58.0	112.27	90.0	28.21	319.22	178.74	2 0.899 141.67
13	150.0	275.5	60.9	112.16	90.0	28.21	319.23	178.83	2 0.899 141.74
14	182.4	346.1	82.4	112.67	90.0	28.21	319.35	178.75	2 0.898 141.84
15	234.4	281.1	102.4	112.23	90.0	28.21	319.30	179.04	2 0.898 141.86
16	209.0	377.7	205.0	112.44	90.0	28.21	319.40	178.96	2 0.898 141.81
17	234.8	377.7	184.8	112.44	90.0	28.21	319.44	178.79	2 0.899 141.70
18	209.4	354.3	112.6	112.42	90.0	28.21	319.38	178.75	2 0.899 141.66
19	191.4	270.3	101.4	112.15	90.0	28.21	319.35	178.99	2 0.898 141.83
20	230.0	320.6	102.6	112.27	90.0	28.21	319.46	178.88	2 0.899 141.76
21	199.2	300.0	108.3	112.28	90.0	28.21	319.37	178.88	2 0.898 141.75
22	253.3	354.3	163.3	112.42	90.0	28.21	319.51	178.84	2 0.898 141.76
23	214.2	334.9	124.2	112.20	90.0	28.21	319.41	178.70	2 0.899 141.84
24	203.6	284.5	113.4	112.22	90.0	28.21	319.38	178.95	2 0.898 141.80
25	196.1	247.6	108.1	112.04	90.0	28.21	319.37	179.12	2 0.898 141.91
26	227.1	277.3	137.3	112.09	90.0	28.21	319.44	179.15	2 0.898 141.93
27	432.0	582.4	332.0	112.94	90.0	28.21	319.86	178.61	2 0.899 141.58
28	396.1	435.2	306.1	112.90	90.0	28.21	319.82	178.75	2 0.899 141.62
29	311.7	414.5	421.7	113.16	90.0	28.21	320.02	178.45	2 0.899 141.61
30	284.4	499.4	198.4	112.87	90.0	28.21	319.96	178.45	2 0.899 141.48
31	203.6	377.7	113.6	112.44	90.0	28.21	319.31	178.74	2 0.899 141.67

Date	Discharge (cum)	Discharge P.E.L. (cum)	ELF or Tail Spillage water level (m)	Plant Q (cum)	Loss	Rev level	Effluent Head h	Efficiency Unit m³/s	Output MW	Month y Ave. MW
Apr. 1	159.7	234.4	69.7	111.97	90.00	28.21	319.34	179.07	2 0.898	141.84
2	135.9	186.5	38.9	111.73	90.00	28.21	319.13	179.23	2 0.898	141.87
3	114.7	144.9	24.7	111.59	90.00	28.21	319.10	179.30	2 0.898	142.00
4	104.2	130.6	16.3	111.50	90.00	28.21	319.05	179.34	2 0.898	142.00
5	94.7	136.3	7.3	111.41	89.00	27.90	319.00	179.49	2 0.899	141.64
6	84.8	123.3	7.2	111.33	87.80	24.75	319.00	180.81	2 0.901	139.97
7	84.3	123.3	7.2	111.33	77.10	20.70	319.00	184.97	2 0.910	138.43
8	93.9	123.2	7.2	111.34	85.70	25.58	319.00	182.08	2 0.903	138.14
9	109.9	139.1	18.9	111.43	90.00	28.21	319.87	179.43	2 0.898	142.00
10	138.9	191.5	34.9	111.74	90.00	28.21	319.19	179.30	2 0.898	141.84
11	167.2	247.7	72.2	111.44	90.00	28.21	319.06	179.34	2 0.898	142.00
12	81.9	118.7	7.2	111.31	84.70	24.98	319.00	182.71	2 0.904	137.14
13	61.5	104.2	7.2	111.22	74.30	19.23	319.00	186.53	2 0.911	135.13
14	73.9	103.7	7.2	111.21	64.60	14.39	319.00	191.41	2 0.911	137.22
15	84.4	123.5	8.6	111.33	90.00	28.21	319.01	179.47	2 0.898	142.00
16	233.5	303.0	145.3	112.38	90.00	28.21	319.44	178.97	2 0.899	141.82
17	321.0	507.0	231.0	112.94	90.00	28.21	319.64	178.51	2 0.899	141.53
18	175.3	377.7	81.5	112.44	90.00	28.21	319.29	178.65	2 0.899	141.61
19	197.3	328.1	17.2	111.94	90.00	28.21	319.04	178.91	2 0.898	141.77
20	142.6	245.6	72.6	111.83	90.00	28.21	318.37	179.33	2 0.898	141.90
31	790.1	659.5	302.1	113.23	90.00	28.21	319.30	178.34	2 0.899	141.43
32	539.9	1153.1	448.9	113.95	90.00	28.21	320.10	177.94	2 0.899	141.16
33	501.7	611.0	414.7	113.55	90.00	28.21	320.01	178.33	2 0.899	141.34
34	395.1	573.1	305.1	113.08	90.00	28.21	319.81	178.51	2 0.899	141.52
35	235.3	401.8	145.3	112.46	90.00	28.21	319.51	178.64	2 0.899	141.61
36	222.4	334.0	123.4	112.38	90.00	28.21	319.43	178.84	2 0.899	141.79
27	143.4	237.3	71.0	112.09	90.00	28.21	319.27	179.47	2 0.898	141.82
28	145.1	234.9	55.1	111.92	90.00	28.21	319.21	179.08	2 0.904	141.85
29	136.3	191.3	34.1	111.74	90.00	28.21	319.14	179.19	2 0.899	141.93
30	138.0	218.3	34.0	111.89	90.00	28.21	319.13	179.23	2 0.898	141.84
179.5										
May 1	149.0	240.9	78.0	112.12	90.00	28.21	319.29	178.94	2 0.898	141.31
2	204.3	304.7	43.3	111.84	90.00	28.21	319.17	179.12	2 0.898	141.91
3	117.0	182.6	27.0	111.49	90.00	28.21	319.10	179.30	2 0.898	141.94
4	111.3	179.7	21.3	111.44	90.00	28.21	319.08	179.23	2 0.898	141.90
5	158.4	247.6	64.6	112.04	90.00	28.21	319.25	179.09	2 0.898	141.84
6	343.3	348.1	153.5	112.59	90.00	28.21	319.48	178.69	2 0.899	141.63
7	592.4	340.7	249.2	113.04	90.00	28.21	319.34	178.47	2 0.899	141.69
8	634.9	344.9	192.3	112.74	90.00	28.21	319.34	178.47	2 0.899	141.37
9	929.5	793.3	45.9	113.44	90.00	28.21	320.03	178.34	2 0.899	141.61
10	719.9	494.8	220.9	112.95	90.00	28.21	319.44	178.52	2 0.899	141.53
11	218.6	341.2	128.4	112.45	90.00	28.21	319.43	178.74	2 0.898	141.66
12	171.1	247.0	81.1	112.13	90.00	28.21	319.29	178.95	2 0.898	141.80
13	146.2	248.1	56.2	111.94	90.00	28.21	319.21	179.04	2 0.898	141.87
14	132.4	306.6	42.4	111.83	90.00	28.21	319.14	179.13	2 0.898	141.92
15	136.5	197.5	36.5	111.78	90.00	28.21	319.14	179.16	2 0.898	141.80
16	113.2	176.7	23.3	111.84	90.00	28.21	319.09	179.22	2 0.898	141.97
17	107.2	167.8	17.3	111.81	90.00	28.21	319.06	179.34	2 0.898	141.99
18	94.6	147.7	7.2	111.84	87.40	24.62	319.00	180.91	2 0.901	139.66
19	85.1	138.1	7.2	111.81	81.90	23.36	319.00	184.21	2 0.907	134.13
20	87.3	134.3	7.2	111.81	80.10	22.25	319.00	183.94	2 0.903	132.15
21	87.3	138.3	7.2	111.81	88.10	22.25	319.00	183.94	2 0.902	132.13
22	78.4	125.3	71.2	111.62	77.46	21.66	319.00	186.02	2 0.912	130.96
23	71.4	111.4	7.2	111.56	64.30	16.35	319.00	189.39	2 0.908	128.48
24	44.0	104.2	7.2	111.22	40.10	12.50	319.00	194.90	2 0.904	126.94
25	31.0	142.0	7.2	111.45	31.80	24.46	319.00	193.09	2 0.902	126.15
26	138.4	302.3	34.4	111.79	90.00	28.21	319.15	179.15	2 0.898	141.93
27	109.4	170.8	19.4	111.62	90.00	28.21	319.07	179.33	2 0.898	141.94
28	91.0	149.0	7.2	111.43	81.30	24.46	319.00	187.69	2 0.905	126.15
29	82.0	128.0	7.2	111.34	74.80	19.49	319.00	188.15	2 0.911	125.40
30	71.4	111.4	7.2	111.24	64.30	14.35	319.00	193.29	2 0.902	126.48
31	69.6	109.6	7.2	111.24	62.40	13.76	319.00	194.30	2 0.902	127.80 134.88
Jun. 1	44.4	100.7	7.2	111.21	39.30	11.21	319.00	195.39	2 0.902	122.30
2	44.8	101.2	7.2	111.19	37.40	11.55	319.00	196.24	2 0.909	99.37
3	61.8	101.2	7.2	111.19	37.60	11.25	319.00	196.24	2 0.909	99.57
4	60.0	104.2	7.2	111.22	40.80	12.87	319.00	194.90	2 0.904	104.94
5	109.4	170.8	19.4	111.62	90.00	28.21	319.07	179.33	2 0.898	141.94
6	164.9	240.5	74.9	112.10	90.00	28.21	319.28	178.95	2 0.898	141.81
7	171.1	287.0	81.1	112.13	90.00	28.21	319.29	178.95	2 0.898	141.80
8	487.5	710.6	397.5	113.41	90.00	28.21	319.38	178.34	2 0.899	141.42
9	1291.4	1859.8	1301.4	114.90	90.00	28.21	321.00	177.09	2 0.899	141.12
10	743.0	1198.0	630.0	113.96	90.00	28.21	320.39	178.22	2 0.899	141.24
11	520.5	812.4	403.5	113.49	90.00	28.21	320.03	178.33	2 0.899	141.41
12	394.3	683.7	306.3	113.17	90.00	28.21	319.81	178.43	2 0.899	141.47
13	234.3	545.4	144.2	112.34	90.00	28.21	319.44	178.71	2 0.899	141.63
14	171.4	404.6	111.4	111.92	90.00	28.21	319.33	178.99	2 0.898	141.76
15	138.4	247.6	64.6	112.04	90.00	28.21	319.25	179.09	2 0.898	141.84
16	136.5	200.7	44.3	111.84	90.00	28.21	319.15	179.13	2 0.898	141.81
17	122.6	191.5	32.6	111.74	90.00	28.21	319.13	179.17	2 0.898	141.94
18	128.4	173.8	19.4	111.62	90.00	28.21	319.07	179.33	2 0.898	141.94
19	107.8	140.0	13.8	111.57	90.00	28.21	319.04	179.24	2 0.898	142.00
20	94.3	121.4	8.3	111.52	90.00	28.21	319.01	179.28	2 0.898	142.00
21	100.1	134.6	10.1	111.54	90.00	28.21	319.02	179.27	2 0.898	142.00
22	103.8	162.0	13.8	111.57	90.00	28.21	319.04	179.24	2 0.898	142.00
23	107.5	147.8	17.3	111.61	90.00	28.21	319.04	179.24	2 0.898	141.99
24	103.8	162.0	13.8	111.57	90.00	28.21	319.04	179.24	2 0.898	142.00
25	96.3	137.4	8.3	111.52	90.00	28.21	319.01	179.28	2 0.898	142.00
26	91.0	142.0	7.2	111.45	81.30	24.46	319.00	193.29	2 0.905	126.15
27	84.6	147.7	7.2	111.48	77.40	24.40	319.00	193.91	2 0.901	126.48
28	100.8	162.0	11.8	111.57	90.00	28.21	319.04	179.24	2 0.898	142.00
29	117.0	182.6	27.0	111.49	90.00	28.21	319.10	179.30	2 0.898	141.94
30	109.4	170.8	19.4	111.62	90.00	28.21	319.07	179.33	2 0.898	141.94
134.10										

# POWER GENERATION SIMULATION

Year: 1971  
 Dam Ash B  
 P.S.L. = 319.00 m  
 Rated Head : 179.30 m  
 Max. Flood Discharge : 90.00 cum  
 Installed Capacity : 143.0 MW

Date	Discharge (cum)	Discharge P.H. (cum)	ELF or Tail Spillage water level (m)	Flood Q (cum)	Loss	Raw level (m)	Effect Head (m)	Efficiency Unit (%)	Output MW	Month y Ave. MW		
Jul	1	177.6	199.1	274	111.55	90.0	28.31	179.31	2	0.998	143.00	
2	126.2	170.8	262	111.62	90.0	28.31	219.14	179.31	2	0.998	143.00	
3	143.2	209.7	252	111.84	90.0	28.31	119.20	179.15	2	0.998	141.81	
4	639.9	992.9	259	112.62	90.0	28.31	320.21	178.99	2	0.999	141.44	
5	900.7	1417.3	216.7	114.30	90.0	28.31	320.41	178.10	2	0.999	141.24	
6	610.3	979.3	236.3	113.72	90.0	28.31	320.19	178.25	2	0.999	141.35	
7	428.0	676.5	238.0	113.27	90.0	28.31	319.87	178.39	2	0.998	141.45	
8	234.2	430.8	144.2	112.75	90.0	28.31	318.44	178.30	2	0.999	141.32	
9	213.0	374.7	123.6	112.62	90.0	28.31	318.41	178.76	2	0.998	141.49	
10	177.7	284.5	87.7	112.22	90.0	28.31	319.31	178.84	2	0.998	141.76	
11	199.7	254.1	68.7	112.07	90.0	28.31	319.24	178.94	2	0.998	141.83	
12	190.9	231.4	68.8	111.96	90.0	28.31	319.23	179.04	2	0.998	141.87	
13	139.4	218.5	48.4	111.89	90.0	28.31	319.19	179.09	2	0.998	141.89	
14	120.0	197.3	38.5	111.78	90.0	28.31	319.14	179.14	2	0.998	141.94	
15	124.3	182.4	34.2	111.69	90.0	28.31	319.14	179.34	2	0.998	141.99	
16	122.3	176.7	32.3	111.64	90.0	28.31	319.12	179.36	2	0.998	142.00	
17	108.1	160.4	18.1	111.30	90.0	28.31	319.06	179.51	2	0.998	142.00	
18	91.8	144.0	7.3	111.47	84.7	24.89	318.80	182.55	2	0.903	107.04	
19	74.7	119.1	7.3	111.43	88.5	14.82	318.80	190.75	2	0.911	118.36	
20	74.9	116.3	7.3	111.43	87.7	13.96	318.80	191.40	2	0.930	113.75	
21	74.0	118.0	7.3	111.34	66.8	14.54	318.80	182.10	2	0.910	114.43	
22	72.0	125.2	7.3	111.34	64.8	14.62	318.80	193.81	2	0.928	111.54	
23	82.5	129.3	7.3	111.34	153	14.65	318.80	179.01	2	0.984	95.45	
24	37.8	122.5	7.3	111.33	20.9	8.92	318.80	186.76	2	0.942	86.82	
25	54.1	106.3	7.3	111.33	44.9	7.74	318.80	203.12	2	0.970	80.01	
26	52.3	101.2	7.3	111.39	45.8	7.69	318.80	200.74	2	0.940	76.39	
27	51.5	94.3	7.3	111.31	44.1	7.77	318.80	201.87	2	0.930	74.47	
28	50.4	91.3	7.3	111.33	43.2	4.50	318.80	205.54	2	0.934	72.94	
29	50.4	94.7	7.3	111.37	43.2	4.50	318.80	201.27	2	0.937	72.82	
30	70.1	126.0	7.3	111.54	63.9	11.79	318.80	197.84	2	0.907	108.53	
31	74.9	121.2	7.3	111.54	67.7	13.24	318.80	197.97	2	0.910	112.27	
Aug	1	74.0	107.8	7.3	111.23	43.8	11.59	318.80	192.89	2	0.909	112.99
2	62.5	95.1	7.3	111.15	37.3	11.45	318.80	196.43	2	0.908	98.07	
3	62.5	92.3	7.3	111.13	35.3	10.80	318.80	197.22	2	0.904	95.57	
4	61.7	91.0	7.3	111.12	34.5	10.54	318.80	197.57	2	0.902	94.14	
5	58.8	84.6	7.3	111.69	31.4	9.27	318.80	198.43	2	0.945	94.89	
6	58.8	84.6	7.3	111.69	31.4	9.27	318.80	198.43	2	0.945	94.89	
7	67.3	98.4	7.3	111.18	60.1	12.39	318.80	182.24	2	0.905	102.84	
8	102.4	284.0	102.4	112.21	90.0	28.31	319.35	178.95	2	0.998	141.79	
9	199.7	255.7	88.7	111.96	90.0	28.31	319.24	179.87	2	0.998	141.88	
10	128.8	190.2	34.9	111.74	90.0	28.31	318.15	179.21	2	0.998	141.96	
11	117.4	179.4	27.6	111.64	90.0	28.31	318.11	179.34	2	0.998	142.00	
12	112.8	164.5	23.8	111.60	90.0	28.31	318.08	179.38	2	0.998	142.00	
13	107.2	158.2	17.2	111.53	90.0	28.31	318.04	179.30	2	0.998	142.00	
14	100.4	150.8	10.6	111.48	90.0	28.31	318.02	179.22	2	0.998	142.00	
15	95.7	141.3	7.3	111.45	88.5	7.28	318.80	202.28	2	0.905	87.71	
16	94.2	139.1	7.3	111.36	81.9	22.80	318.80	184.77	2	0.908	103.17	
17	80.4	118.9	7.3	111.30	73.4	18.76	318.80	186.95	2	0.912	102.58	
18	74.9	110.4	7.3	111.23	67.7	11.86	318.80	191.79	2	0.911	111.86	
19	72.0	106.3	7.3	111.22	64.8	14.62	318.80	193.15	2	0.909	111.44	
20	61.3	93.7	7.3	111.14	56.3	11.04	318.80	194.82	2	0.904	97.33	
21	62.3	92.3	7.3	111.33	35.3	10.68	318.80	197.21	2	0.904	95.57	
22	60.7	86.4	7.3	111.11	53.9	9.97	318.80	197.92	2	0.890	92.35	
23	58.8	84.2	7.3	111.10	51.4	9.64	318.80	198.34	2	0.898	90.72	
24	57.9	83.4	7.3	111.06	50.6	8.93	318.80	199.00	2	0.892	87.04	
25	104.3	159.8	14.3	111.23	50.0	23.31	318.80	179.31	2	0.999	142.00	
26	94.2	127.5	7.3	111.36	79.0	21.74	318.80	181.91	2	0.920	100.89	
27	73.0	107.8	7.3	111.23	63.9	11.08	318.80	192.89	2	0.909	102.99	
28	60.7	86.4	7.3	111.11	53.9	9.97	318.80	197.92	2	0.890	92.35	
29	54.0	82.7	7.3	111.07	48.8	8.59	318.80	199.64	2	0.877	91.08	
30	51.3	75.8	7.3	111.02	44.1	4.77	318.80	201.21	2	0.899	74.70	
31	54.9	84.0	7.3	111.07	49.7	8.60	318.80	199.72	2	0.879	83.77	
Sep	1	62.3	106.2	7.3	111.22	53.3	10.65	318.80	197.13	2	0.894	95.30
2	57.8	101.2	7.3	111.19	50.6	8.92	318.80	198.99	2	0.842	84.89	
3	51.3	88.8	7.3	111.11	44.1	6.77	318.80	201.12	2	0.819	74.49	
4	47.5	81.7	7.3	111.04	40.5	5.46	318.80	202.24	2	0.843	71.31	
5	51.3	77.3	7.3	111.03	44.1	6.77	318.80	201.30	2	0.839	74.70	
6	122.3	156.7	52.3	111.54	90.0	28.31	319.32	179.54	2	0.998	142.00	
7	216.4	270.3	126.6	112.13	90.0	28.31	319.42	179.04	2	0.998	141.87	
8	186.0	241.1	96.0	112.81	90.0	28.31	319.33	179.12	2	0.998	141.91	
9	135.4	206.6	45.6	111.83	90.0	28.31	319.18	179.14	2	0.998	141.82	
10	99.5	159.4	9.3	111.52	90.0	28.31	319.02	179.29	2	0.998	142.00	
11	94.2	144.2	7.3	111.27	79.0	21.74	318.80	183.89	2	0.908	103.94	
12	102.3	139.1	13.3	111.63	90.0	28.31	318.84	179.40	2	0.998	142.00	
13	106.1	130.6	18.1	111.30	90.0	28.31	318.84	179.33	2	0.998	142.00	
14	134.7	140.0	24.7	111.45	90.0	28.31	318.89	179.43	2	0.998	142.00	
15	107.2	136.3	17.2	111.41	90.0	28.31	318.86	179.43	2	0.998	142.00	
16	91.9	125.2	7.3	111.34	64.7	24.99	318.80	182.67	2	0.904	117.14	
17	81.3	122.5	7.3	111.33	74.5	19.23	318.80	188.41	2	0.911	122.66	
18	74.9	108.6	7.3	111.34	67.7	15.96	318.80	191.80	2	0.911	115.64	
19	62.5	96.7	7.3	111.17	53.3	10.45	318.80	197.12	2	0.894	91.54	
20	60.7	91.3	7.3	111.13	53.3	9.97	318.80	197.91	2	0.890	91.34	
21	59.1	84.8	7.3	111.11	52.4	9.64	318.80	198.36	2	0.888	90.71	
22	54.9	83.9	7.3	111.07	49.7	8.60	318.80	199.32	2	0.879	83.77	
23	46.3	81.3	7.3	111.12	41.1	13.00	318.80	194.87	2	0.904	108.54	
24	74.0	104.2	7.3	111.22	66.1	15.94	318.80	192.34	2	0.910	114.52	
25	72.0	93.8	7.3	111.14	64.8	14.62	318.80	197.24	2	0.909	111.49	
26	54.8	83.9	7.3	111.07	51.6	9.27	318.80	198.65	2	0.883	86.90	
27	71.1	91.3	7.3	111.12	43.9	14.23	318.80	193.64	2	0.902	100.08	
28	136.0	200.7	26.0	111.84	90.0	28.31	319.15	179.09	2	0.998	141.99	
29	238.9	227.4	188.9	112.45	90.0	28.31	319.57	178.94	2	0.998	141.81	
30	223.4	270.3	173.4	113.15	90.0	28.31	319.44	179.08	2	0.998	141.88	

Date	Discharge (cum)	Discharge P.H. (cum)	ELF or Tail Spillage (cum)	water level (m)	Flood Q (cum)	Raw level (m)	Effect Head (m)	Unit sec	Efficiency MW	Month y Ave. MW		
Oct.	1	141.3	208.3	113.73	90.00	28.31	319.20	179.19	2	0.980	141.84	
2	104.3	147.7	16.2	111.48	90.00	28.31	319.23	179.34	2	0.998	142.00	
3	81.2	114.2	7.3	111.37	81.00	22.85	318.80	181.80	2	0.938	115.24	
4	90.0	123.3	7.3	111.35	82.99	23.80	318.80	183.80	2	0.904	115.17	
5	90.6	111.4	7.3	111.26	71.40	18.76	318.80	186.94	2	0.912	123.92	
6	83.3	104.2	7.3	111.22	54.70	11.04	318.80	194.74	2	0.994	97.28	
7	107.3	142.0	17.2	111.57	90.00	28.31	319.04	179.33	2	0.988	142.00	
8	126.2	199.4	24.2	111.76	90.00	28.31	319.14	179.17	2	0.988	141.94	
9	108.1	182.4	18.1	111.69	90.00	28.31	319.24	179.14	2	0.988	141.94	
10	113.8	202.9	23.8	111.81	90.00	28.31	319.29	179.07	2	0.988	141.80	
11	132.8	276.7	42.8	122.15	90.00	28.31	319.17	178.76	2	0.999	141.69	
12	261.4	720.4	114.4	128.96	90.00	28.31	318.94	178.19	2	0.989	141.51	
13	349.4	844.2	199.4	128.83	90.00	28.31	319.50	178.44	2	0.989	141.49	
14	108.3	360.9	102.9	122.11	90.00	28.31	319.37	178.63	2	0.989	141.74	
15	118.4	221.9	7.3	111.81	90.00	28.31	319.19	179.97	2	0.988	141.69	
16	120.4	175.7	20.4	111.64	90.00	28.31	319.11	179.77	2	0.989	142.00	
17	80.9	142.0	7.3	111.83	63.70	24.40	319.20	182.15	2	0.986	126.04	
18	83.3	123.3	7.3	111.34	78.10	21.24	319.80	186.41	2	0.918	128.82	
19	77.7	116.9	7.3	111.29	70.50	17.51	319.80	190.40	2	0.911	119.90	
20	98.8	111.4	7.3	111.24	23.40	8.64	319.80	198.11	2	0.988	96.46	
21	64.9	83.2	7.3	111.19	57.30	11.45	319.80	194.98	2	0.988	96.05	
22	57.0	94.3	7.3	111.16	26.40	8.83	319.80	198.93	2	0.982	87.01	
23	32.2	84.8	7.3	111.11	45.00	7.95	319.80	200.84	2	0.943	74.42	
24	48.3	83.9	7.3	111.07	43.30	5.84	319.80	202.86	2	0.947	60.34	
25	62.3	106.2	7.3	111.23	53.30	10.85	319.80	197.13	2	0.994	91.52	
26	54.9	189.2	7.3	111.19	48.70	8.08	319.80	199.21	2	0.979	83.31	
27	48.3	91.3	7.3	111.12	41.20	5.94	319.80	201.94	2	0.947	88.34	
28	43.8	81.7	7.3	111.06	34.40	4.47	319.80	202.28	1	0.908	64.25	
29	41.9	78.1	7.3	111.01	34.70	4.19	319.80	208.79	1	0.911	63.15	
30	94.1	68.8	7.3	110.97	11.80	3.64	319.80	204.49	1	0.911	58.22	
31	58.1	84.1	7.3	110.94	30.80	1.72	319.80	204.77	1	0.929	54.77	
Nov.	1	77.2	64.1	7.3	110.94	30.80	1.75	319.80	204.99	1	0.907	54.64
2	32.3	88.5	7.3	110.97	28.35	2.19	319.80	202.24	1	0.902	51.19	
3	94.1	66.3	7.3	110.97	30.80	3.31	319.80	204.70	1	0.903	54.36	
4	31.3	64.3	7.3	110.94	35.70	2.79	319.80	205.24	1	0.902	51.34	
5	33.7	94.1	7.3	110.90	34.30	2.43	319.80	208.44	1	0.904	47.75	
6	72.0	53.4	7.3	110.86	24.80	2.14	319.80	206.00	1	0.884	44.28	
7	11.2	48.6	7.3	110.83	34.80	2.31	319.80	204.14	1	0.879	42.83	
8	44.9	46.9	7.3	110.78	22.10	1.79	319.80	207.23	1	0.846	38.86	
9	37.0	38.1	7.3	110.83	18.00	1.37	319.80	206.78	1	0.843	38.84	
10	28.4	54.2	7.3	110.89	21.40	1.59	319.80	206.52	1	0.829	37.19	
11	27.8	54.3	7.3	110.87	26.80	1.48	319.80	206.65	1	0.851	35.95	
12	27.0	56.5	7.3	110.83	18.00	1.37	319.80	206.79	1	0.843	33.84	
13	26.1	48.4	7.3	110.83	18.00	1.34	319.80	206.82	1	0.824	31.97	
14	25.4	44.8	7.3	110.81	14.30	1.15	319.80	207.04	1	0.836	30.52	
15	23.8	42.9	7.3	110.79	14.80	0.96	319.80	207.25	1	0.807	27.32	
16	22.2	41.4	7.3	110.78	13.80	0.78	319.80	207.43	1	0.800	8.60	
17	21.4	41.4	7.3	110.78	13.80	0.70	319.80	207.51	1	0.800	0.00	
18	21.4	39.7	7.3	110.77	14.20	0.70	319.80	207.57	1	0.800	0.00	
19	24.3	30.5	7.3	110.81	17.30	1.04	319.80	207.11	1	0.814	26.89	
20	28.4	44.7	7.3	110.82	22.20	1.72	319.80	206.44	1	0.844	38.88	
21	24.8	43.9	7.3	110.79	17.30	1.04	319.80	207.11	1	0.814	26.86	
22	21.4	39.7	7.3	110.77	14.20	0.70	319.80	207.57	1	0.800	0.00	
23	20.6	38.7	7.3	110.77	11.80	0.63	319.80	207.60	1	0.800	0.00	
24	18.0	34.2	7.3	110.74	11.40	0.48	319.80	207.75	1	0.800	0.00	
25	18.1	34.2	7.3	110.74	10.80	0.41	319.80	207.82	1	0.800	0.00	
26	22.4	30.3	7.3	110.83	21.40	1.39	319.80	206.54	1	0.839	27.30	
27	34.7	72.9	7.3	111.00	27.20	2.63	319.80	205.37	1	0.888	49.74	
28	29.4	64.3	7.3	110.94	22.30	1.78	319.80	206.33	1	0.843	18.85	
29	26.1	54.1	7.3	110.90	11.80	1.34	319.80	206.84	1	0.834	31.90	
30	24.3	30.3	7.3	110.83	17.30	1.04	319.80	207.11	1	0.814	26.85	
Dec.	1	21.4	43.6	7.3	110.79	14.30	0.78	319.80	207.50	0	0.800	8.60
2	19.8	30.3	7.3	110.83	12.40	0.55	319.80	207.60	0	0.800	0.00	
3	20.6	72.9	7.3	111.00	13.40	0.63	319.80	207.37	0	0.800	0.00	
4	23.6	88.8	7.3	111.11	14.00	0.84	319.80	206.99	1	0.807	27.17	
5	34.7	70.7	7.3	110.99	27.50	2.62	319.80	205.38	1	0.889	49.74	
6	31.3	38.1	7.3	110.80	34.00	2.81	319.80	204.98	1	0.879	42.82	
7	23.8	21.4	7.3	110.86	14.00	0.94	319.80	207.18	1	0.807	27.31	
8	21.4	42.9	7.3	110.79	14.20	0.70	319.80	207.50	0	0.800	0.00	
9	21.4	39.2	7.3	110.74	13.20	0.70	319.80	207.54	0	0.800	8.60	
10	18.1	36.7	7.3	110.73	12.80	0.55	319.80	207.70	0	0.800	0.00	
11	18.1	35.1	7.3	110.74	10.90	0.41	319.80	207.85	0	0.800	0.00	
12	15.8	33.3	7.3	110.73	8.40	0.34	319.80	208.81	0	0.800	0.00	
13	15.8	22.0	7.3	110.72	8.40	0.26	319.80	208.82	0	0.800	0.00	
14	25.8	46.9	7.3	110.81	14.00	0.94	319.80	207.23	1	0.807	27.31	
15	26.8	41.4	7.3	110.78	13.40	0.63	319.80	207.59	0	0.800	0.00	
16	17.4	34.7	7.3	110.73	10.30	0.36	319.80	207.88	0	0.800	0.00	
17	14.9	31.0	7.3	110.72	7.70	0.21	319.80	208.08	0	0.800	0.00	
18	14.9	35.1	7.3	110.74	7.70	0.31	319.80	208.80	0	0.800	0.00	
19	14.9	39.7	7.3	110.77	7.70	0.31	319.80	208.82	0	0.800	0.00	
20	14.9	34.7	7.3	110.75	7.70	0.21	319.80	208.84	0	0.800	0.00	
21	14.2	31.1	7.3	110.74	7.00	0.17	319.80	208.89	0	0.800	0.00	
22	14.2	71.0	7.3	110.72	7.00	0.17	319.80	208.11	0	0.800	0.00	
23	14.2	32.0	7.3	110.73	7.00	0.17	319.80	208.11	0	0.800	0.00	
24	14.2	30.3	7.3	110.71	7.00	0.17	319.80	208.12	0	0.800	0.00	
25	13.3	30.3	7.3	110.71	6.10	0.13	319.80	208.16	0	0.800	0.00	
26	13.3	24.9	7.3	110.70	6.10	0.15	319.80	208.17	0	0.800	0.00	
27	13.3	27.4	7.3	110.69	6.10	0.13	319.80	208.18	0	0.800	0.00	
28	13.6	27.4	7.3	110.69	5.40	0.10	319.80	208.21	0	0.800	0.00	
29	12.6	24.9	7.3	110.67	5.40	0.10	319.80	208.23	0	0.800	0.00	
30	11.0	23.7	7.3	110.64	4.70	0.06	319.80	208.24	0	0.800	0.00	
31	10.3	22.1	7.3	110.65	3.70	0.01	319.80	208.25	0	0.800	0.00	

# POWER GENERATION SIMULATION

Year: 1972      Dam Arch B      Rated Head : 179.50 m      Installed Capacity : 142.6 MW  
 P.R.L. = 318.00 m      Min. Plant Discharge : 90.00 cms

		Discharge Dam (cms)	Discharge F&I (cms)	R&P or Tail Spillage water level (cms)	Plant Q (cms)	Loss	Raw level	Min. Head (cms)	Eff. Unit key	Output kW	Month y Ave. kW	
Jan	1	319	237	119	130.66	0.0	0.08	319.00	208.26	0	0.000	0.00
	2	143	274	142	130.60	0.0	0.17	319.00	208.14	0	0.000	0.00
	3	319	269	119	130.70	0.0	0.08	319.00	208.37	0	0.000	0.00
	4	143	330	143	130.72	0.0	0.30	319.00	207.90	0	0.000	0.00
	5	254	430	72	130.79	14.3	1.15	319.00	207.05	1	0.826	30.32
	6	1252	751	552	131.01	90.0	24.21	312.14	179.91	2	0.897	142.00
	7	909	1191	72	131.53	63.7	24.40	319.00	183.05	2	0.906	135.97
	8	417	963	72	131.16	36.3	5.16	319.00	202.64	1	0.902	80.08
	9	315	419	72	130.93	33.3	2.79	319.00	205.29	1	0.902	51.35
	10	278	484	72	130.83	28.6	1.48	319.00	206.69	1	0.931	55.52
	11	232	459	232	130.79	0.0	0.79	319.00	207.42	0	0.900	0.00
	12	204	311	204	130.74	0.0	0.53	319.00	207.63	0	0.900	0.00
	13	198	315	198	130.73	0.0	0.53	319.00	207.72	0	0.900	0.00
	14	361	367	72	130.77	18.9	1.34	319.00	206.96	1	0.924	51.98
	15	254	448	72	130.81	14.3	1.15	319.00	207.04	1	0.926	30.32
	16	230	439	72	130.79	15.8	0.87	319.00	207.34	1	0.797	25.79
	17	214	414	214	130.78	0.0	0.70	319.00	207.51	0	0.900	0.00
	18	278	414	72	130.78	20.6	1.48	319.00	206.74	1	0.931	55.53
	19	364	363	72	130.85	28.2	2.97	319.00	205.18	1	0.902	53.14
	20	386	819	72	131.07	61.6	9.27	319.00	198.63	2	0.985	86.00
	21	1260	1737	360	131.64	90.0	24.21	319.15	179.90	2	0.998	142.00
	22	1260	2023	360	131.79	90.0	24.21	319.15	179.15	2	0.998	141.93
	23	1039	1824	198	131.69	90.0	24.21	319.07	179.17	2	0.998	141.84
	24	315	1591	72	131.55	74.3	18.93	319.00	188.22	2	0.911	124.91
	25	407	663	72	131.08	15.5	9.97	319.00	197.94	2	0.900	93.36
	26	410	600	72	130.91	33.8	3.98	319.00	204.11	1	0.912	41.83
	27	317	524	72	130.84	24.5	2.45	319.00	205.49	1	0.994	47.76
	28	294	467	72	130.82	22.3	1.72	319.00	206.44	1	0.994	36.96
	29	317	524	72	130.86	24.5	2.45	319.00	205.49	1	0.994	47.76
	30	315	484	72	130.83	28.2	3.79	319.00	205.36	1	0.902	51.98
	31	294	519	72	130.79	22.3	1.72	319.00	206.49	1	0.944	36.96
Feb	1	270	397	72	130.77	18.9	1.37	319.00	206.84	1	0.944	33.96
	2	204	443	72	130.81	22.3	1.72	319.00	206.48	1	0.944	34.98
	3	319	324	72	130.84	25.7	2.50	319.00	205.84	1	0.900	44.13
	4	278	467	72	130.82	28.6	1.48	319.00	206.70	1	0.931	55.53
	5	214	414	214	130.78	0.0	0.70	319.00	207.51	0	0.900	0.00
	6	198	351	198	130.74	0.0	0.53	319.00	207.71	0	0.900	0.00
	7	149	310	149	130.73	0.0	0.53	319.00	208.06	0	0.900	0.00
	8	158	315	158	130.73	0.0	0.56	319.00	208.01	0	0.900	0.00
	9	174	414	174	130.78	0.0	0.36	319.00	207.35	0	0.900	0.00
	10	473	707	72	130.99	46.3	5.46	319.00	202.36	2	0.943	67.34
	11	1263	1114	360	131.24	90.0	24.21	319.15	179.99	2	0.998	142.00
	12	2873	1704	1973	131.62	90.0	24.21	319.29	179.77	2	0.998	142.00
	13	2864	2862	2864	131.65	90.0	24.21	319.29	179.55	2	0.998	141.99
	14	4280	4021	3780	131.14	90.0	24.21	319.17	179.52	2	0.999	141.93
	15	3974	3940	3974	131.01	90.0	24.21	319.19	179.56	2	0.999	141.94
	16	2373	4364	1973	132.76	90.0	24.21	319.59	179.62	2	0.999	141.99
	17	2318	3343	1613	132.42	90.0	24.21	319.50	179.57	2	0.999	141.75
	18	1340	4294	4348	133.57	90.0	24.21	320.04	179.26	2	0.999	141.94
	19	9259	14231	9579	134.07	90.0	24.21	320.65	179.37	2	0.999	141.43
	20	9009	10834	8029	133.86	90.0	24.21	320.60	179.53	2	0.999	141.54
	21	1132	6951	4232	133.30	90.0	24.21	320.63	179.52	2	0.999	141.32
	22	3210	4364	2310	132.77	90.0	24.21	319.66	179.68	2	0.999	141.43
	23	1947	2931	1047	132.23	90.0	24.21	319.36	179.90	2	0.998	141.77
	24	1671	3654	371	131.83	90.0	24.21	319.22	179.19	2	0.998	141.97
	25	1157	1703	257	131.62	90.0	24.21	319.10	179.16	2	0.998	142.00
	26	1204	2861	304	131.94	90.0	24.21	319.13	179.47	2	0.998	141.81
	27	1810	3040	910	132.36	90.0	24.21	319.33	179.74	2	0.999	141.67
	28	1981	3743	1081	132.42	90.0	24.21	319.37	179.74	2	0.999	141.67
	29	1943	2832	642	132.21	90.0	24.21	319.24	179.83	2	0.999	141.72
Mar	1	1299	2413	389	132.01	90.0	24.21	319.15	179.94	2	0.998	141.79
	2	1147	1853	347	131.71	90.0	24.21	319.09	179.97	2	0.998	141.84
	3	977	1563	77	131.54	90.0	24.21	319.00	179.94	2	0.998	142.00
	4	872	1504	72	131.30	90.0	22.20	319.00	183.31	2	0.900	131.96
	5	815	1360	72	131.36	74.3	19.20	319.00	186.41	2	0.911	125.04
	6	1014	1563	114	131.54	90.0	24.21	319.03	179.28	2	0.998	142.00
	7	1777	2127	277	131.84	90.0	24.21	319.31	179.24	2	0.998	141.99
	8	1404	2405	304	132.10	90.0	24.21	319.19	179.84	2	0.998	141.74
	9	1367	2344	647	131.97	90.0	24.21	319.35	179.07	2	0.998	141.84
	10	1827	2638	907	132.12	90.0	24.21	319.31	179.99	2	0.998	141.83
	11	1690	2379	360	131.99	90.0	24.21	319.22	179.62	2	0.998	141.85
	12	1147	1678	247	131.81	90.0	24.21	319.09	179.28	2	0.998	142.00
	13	909	1504	72	131.30	83.7	34.40	319.00	183.10	2	0.906	136.01
	14	740	1367	72	131.38	66.8	13.94	319.00	190.06	2	0.930	134.42
	15	615	1042	72	131.22	54.3	11.04	319.00	196.74	2	0.994	97.28
	16	551	967	72	131.17	47.9	7.99	319.00	199.34	2	0.972	81.85
	17	445	947	72	131.17	41.3	5.94	319.00	201.80	2	0.947	60.23
	18	748	1168	72	131.28	67.7	11.94	319.00	191.75	2	0.910	115.83
	19	1080	1791	150	131.43	90.0	24.21	319.07	179.42	2	0.998	142.00
	20	981	1353	72	131.40	81.9	13.54	319.00	194.24	2	0.907	134.15
	21	693	1037	72	131.21	62.0	11.99	319.00	194.41	2	0.904	104.97
	22	617	848	72	131.11	54.5	10.34	319.00	197.55	2	0.902	94.15
	23	378	817	72	131.06	40.6	8.92	319.00	199.02	2	0.942	87.06
	24	304	751	72	131.01	33.3	6.90	319.00	201.49	2	0.934	72.99
	25	475	707	72	130.99	40.1	5.44	319.00	202.36	2	0.943	67.34
	26	513	620	72	131.45	44.1	6.77	319.00	200.78	2	0.939	74.51
	27	635	1252	72	131.54	54.3	11.04	319.00	196.42	2	0.994	97.21
	28	540	1042	72	131.22	48.8	8.29	319.00	196.44	2	0.974	82.61
	29	804	1704	72	131.62	71.4	16.76	319.00	186.61	2	0.913	123.48
	30	1014	2512	114	132.21	90.0	24.21	319.07	179.41	2	0.999	141.99
	31	1320	3460	460	132.47	90.0	24.21	319.23	179.54	2	0.999	141.94

		Discharge Dam (cms)	Discharge P&I (cms)	R&P or Tail Spillage level m (cms)	Plant Q (cms)	Loss	Raw level	Min. Head (cms)	Eff. Unit key	Output kW	Month y Ave. kW	
Apr.	1	1233	3009	313	132.62	90.00	24.21	319.12	179.39	2	0.999	141.96
	2	1133	3030	233	132.28	90.00	24.21	318.09	179.60	2	0.999	141.98
	3	1167	3411	347	132.01	90.00	24.21	319.10	178.83	2	0.998	141.76
	4	1203	2474	313	132.04	90.00	24.21	319.13	179.88	2	0.998	141.74
	5	1174	3183	276	131.89	90.00	24.21	319.11	179.00	2	0.998	141.84
	6	1081	1883	181	131.73	90.00	24.21	319.04	179.13	2	0.998	141.81
	7	813	1620	72	131.57	78.10	21.26	319.00	186.19	2	0.910	126.63
	8	718	1381	72	131.43	64.06	14.99	319.00	191.18	2	0.911	117.57
	9	701	1223	72	131.33	62.90	13.78	319.00	193.40	2	0.907	108.30
	10	633	1114	72	131.26	54.30	11.04	319.00	194.71	2	0.904	97.26
	11	617	1012	72	131.19	54.30	10.34	319.00	197.47	2	0.902	94.11
	12	588	958	72	131.14	51.40	9.37	319.00	198.59	2	0.905	94.86
	13	532	838	72	131.07	46.00	7.37	319.00	203.54	2	0.947	78.36
	14	304	817	72	131.06	43.20	6.30	319.00	204.64	2	0.936	72.97
	15	444	819	72	131.07	39.20	12.31	319.00	191.72	2	0.902	102.58
	16	716	1143	72	131.27	64.40	14.39	319.00	191.34	2	0.911	117.17
	17	429	963	72	131.16	55.30	10.68	319.00	197.19	2	0.904	94.92
	18	541	863	72	131.09	46.90	7.66	319.00	200.55	2	0.970	80.07
	19	485	773	72	131.03	41.30	5.84	319.00	202.03	2	0.947	69.28
	20	447	683	72	130.97	37.50	4.80	319.00	202.19	1	0.906	67.65
	21	420	641	72	130.94	35.00	4.61	319.00	202.63	1	0.910	64.64
	22	409	619	72	130.93	32.80	3.79	319.00	204.33	1	0.911	56.86
	23	381	619	72	130.93	31.50	3.54	319.00	204.53	1	0.911	58.23
	24	381	600	72	130.91	30.50	3.31	319.00	204.74	1	0.909	54.96
	25	361	581	72	130.90	30.00	3.31	319.00	204.79	1	0.908	54.38
	26	361	563	72	130.89	30.00	3.31	319.00	204.79	1	0.908	54.38
	27	438	641	72	130.97	35.00	4.61	319.00	202.63	1	0.910	64.64
	28	165	619	72	130.93	28.10	3.79	319.00	204.39	1	0.902	51.39
	29	547	800	72	130.91	27.90	3.63	319.00	205.41	1	0.909	49.76
	30	547	861	72	130.90	27.90	3.63	319.00	205.47	1	0.909	49.77
											31.21	
May	1	320	562	72	130.89	34.80	2.14	319.00	202.97	1	0.884	64.27
	2	320	524	72	130.86	24.80	2.14	319.00	204.00	1	0.894	64.28
	3	337	505	72	130.83	24.50	2.51	319.00	205.71	1	0.894	47.77
	4	312	486	72	130.83	24.60	2.01	319.00	206.11	1	0.878	45.63
	5	284	467	72	130.83	23.50	1.84	319.00	206.33	1	0.873	40.76
	6	284	447	72	130.82	22.20	1.72	319.00	206.46	1	0.866	38.86
	7	278	448	72	130.81	20.90	1.64	319.00	206.71	1	0.853	31.93
	8	270	448	72	130.81	18.80	1.37	319.00	206.83	1	0.844	31.85
	9	270	448	72	130.81	18.80	1.37	319.00	206.83	1	0.844	31.85
	10	278	429	72	130.79	20.40	1.64	319.00	206.73	1	0.851	33.53
	11	278	429	72	130.79	20.40	1.64	319.00	206.73	1	0.851	33.53
	12	278	429	72	130.79	20.40	1.64	319.00	206.73	1	0.851	33.53
	13	278	429	72	130.79	20.40	1.64	319.00	206.73	1	0.851	33.53
	14	270	414	72	130.78	18.80	1.37	319.00	206.85	1	0.844	33.86
	15	270	414	72	130.78	18.80	1.37	319.00	206.85	1	0.844	33.86
	16	261	414	72	130.78	18.80	1.34	319.00	206.97	1	0.836	31.98
	17	261	397	72	130.77	18.80	1.34	319.00	206.98	1	0.834	31.98
	18	234	387	72	130.77	18.20	1.19	319.00	207.07	1	0.823	30.33
	19	254	387	72	130.77	18.20	1.19	319.00	207.07	1	0.824	30.33
	20	254	382	72	130.76	18.00	1.15	319.00	207.09	1	0.824	30.32
	21	254	362	72	130.74	18.30	1.15	319.00	207.09	1	0.828	30.35
	22	245	367	72	130.73	17.30	1.04	319.00	207.21	1	0.816	28.65
	23	245	367	72	130.73	17.30	1.04	319.00	207.21	1	0.816	28.66
	24	245	362	72	130.76	17.30	1.04	319.00	207.30	1	0.816	28.66
	25	245	367	72	130.73	17.30	1.04	319.00	207.31	1	0.816	28.66
	26	245	367	72	130.73	17.30	1.04	319.00	207.21	1	0.816	28.66
	27	233	351	72	130.74	16.00	0.96	319.00	207.30	1	0.807	27.23
	28	233	351	72	130.74	16.00	0.96	319.00	207.30	1	0.807	27.23
	29	230	351	72	130.74	15.80	0.87	319.00	207.39	1	0.797	23.98
	30	222	351	222	130.74	0.00	0.78	319.00	207.48	0	0.000	0.00
	31	222	351	222	130.73	0.00	0.78	319.00	207.49	0	0.000	0.00
											31.65	
Jun.	1	214	313	214	130.73	0.00	0.78	319.00	207.57	0	0.000	0.00
	2	214	313	214	130.73	0.00	0.78	319.00	207.57	0	0.000	0.00
	3	206	313	206	130.73	0.00	0.63	319.00	207.65	0	0.000	0.00
	4	206	367	206	130.73	0.00	0.63	319.00	207.63	0	0.000	0.00
	5	206	414	206	130.78	0.00	0.63	319.00	207.39	0	0.000	0.00
	6	418	619	72	130.93	34.60	4.67	319.00	205.41	1	0.908	64.27
	7	456	913	72	131.12	58.30	11.80	319.00	196.08	2	0.900	100.64
	8	541	839	72	131.07	44.90	7.66	319.00	200.27	2	0.970	80.08
	9	410	683	72	130.97	33.80	3.94	319.00	204.05	1	0.912	61.87
	10	320	600	72	130.91	34.10	2.14	319.00	205.95	1	0.884	47.77
	11	303	563	72	130.85	23.80	1.84	319.00	204.98	1	0.879	40.79
	12	247	600	72	130.80	27.30	2.63	319.00	205.45	1	0.899	49.76
	13	364	729	72	131.00	41.20	4.36	319.00	201.30	2	0.836	72.98
	14	749	839	72	131.07	67.70	15.86	319.00	191.84	2	0.811	115.97
	15	454	913	72	131.12	54.20	11.80	319.00	196.08	2	0.900	100.64
	16	643	888	72	131.11	57.30	14.23	319.00	194.46	2	0.898	99.80
	17	1203	1253	313	131.40	90.00	24.21	319.13	179.30	2	0.998	142.00
	18	1206	2476	1606	132.13	90.00	24.21	319.30	179.16	2	0.998	141.93
	19	1497	4956	4967	133.43	90.00	24.21	320.08	178.32	2	0.999	141.34
	20	3543	9956	2463	132.82	90.00	24.21	319.73	178.60	2	0.999	141.58
	21	2164	5303	1266	132.33	90.00	24.21	319.42	178.86	2	0.998	141.76
	22	1337	2188	417	131.99	90.00	24.21	319.17	179.07	2	0.998	141.88
	23	1072	1678	172	131.61	90.00	24.21	319.66	179.24	2	0.988	141.99
	24	939	1267	72	131.36	84.60	24.21	319.60	181.50	2	0.902	138.99
	25	906	1062	72	131.22	73.40	18.76	319.60	186.31	2	0.912	120.94
	26	673	888	72	131.10	60.10	13.82	319.60	190.01	2	0.902	103.64
	27	378	811	72	131.09	50.30	8.82	319.60	198.99	2	0.902	87.04
	28	541	839	72	131.07	44.90	7.66	319.00	200.27	2	0.970	80.08
	29	512	773	72	131.03	41.00	7.05	319.00	200.92	2	0.943	74.46
	30	475	729	72	131.00	40.30	5.66	319.00	202.34	2	0.943	67.79
											32.4	

Year: 1972	Dam Data B F.R.L. = 319.00 m	Reservoir Max. Plant Discharge :	179.30 m 92.00 cum	Installed Capacity :	142.0 MW
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141.631

POWER GENERATION SIMULATION

You: 1973

Don Ash B  
P.L.L. 1970 m

Read Head : 179.30 m  
Min. Flow Discharge : 90.00 m³/s

Installed Capacity : 143.0 MW

Date	Discharge Don (m³/s)	Discharge PAI (m³/s)	RMP or Td Spillage water level (m)	Plant Q level (m)	Loss	Raw level	Reheat Head (m)	Efficiency Unit (m)	Output MW	Month y Ave MW
Jan 1	71.1	94.9	7.2	111.11	43.8	14.23	189.07	2	0.908	110.09
2	72.0	83.8	7.2	111.14	44.8	14.43	189.34	2	0.908	111.49
3	89.1	189.7	7.2	111.31	61.8	23.36	190.00	2	0.907	134.21
4	187.2	193.4	17.2	111.52	90.0	24.31	190.04	2	0.908	143.00
5	117.6	235.9	27.6	112.04	90.0	25.31	191.11	2	0.899	141.73
6	88.3	191.5	7.2	111.74	61.8	23.85	190.00	2	0.908	133.93
7	72.0	142.8	7.2	111.45	44.8	14.43	190.00	2	0.908	111.30
8	74.0	132.4	7.2	111.52	46.8	15.34	190.00	2	0.910	114.33
9	107.2	147.7	17.2	111.68	90.0	24.31	190.56	2	0.898	124.00
10	74.0	132.5	7.2	111.36	44.8	14.54	190.00	2	0.910	114.44
11	72.8	134.3	7.2	111.37	44.8	14.98	190.00	2	0.911	117.17
12	72.7	130.7	7.2	111.38	45.3	17.31	190.00	2	0.911	119.84
13	106.2	123.5	16.2	111.40	90.0	24.31	190.65	2	0.898	122.00
14	86.3	128.0	7.2	111.36	61.0	23.85	190.00	2	0.908	123.18
15	90.5	164.0	9.2	111.59	90.0	24.31	190.62	2	0.898	141.94
16	92.9	176.7	12.2	111.69	93.7	25.76	190.00	2	0.904	147.97
17	74.9	128.1	7.2	111.55	61.7	14.96	190.00	2	0.910	113.44
18	63.4	118.7	7.2	111.51	56.3	11.00	190.00	2	0.900	105.54
19	53.2	93.8	7.2	111.14	44.0	7.37	190.00	2	0.847	70.33
20	34.1	94.3	7.2	111.16	44.9	7.64	190.00	2	0.870	60.04
21	73.9	111.6	7.2	111.36	45.5	15.06	190.62	2	0.908	123.97
22	139.0	142.0	19.0	111.37	90.0	23.31	190.57	2	0.898	142.00
23	131.8	186.5	41.8	111.75	90.0	24.31	191.16	2	0.898	141.98
24	107.3	118.8	17.2	111.80	90.0	24.31	190.94	2	0.898	141.81
25	239.5	244.6	120.3	112.46	90.0	24.31	191.45	2	0.899	141.89
26	320.3	450.8	240.3	112.75	90.0	24.31	190.68	2	0.898	141.64
27	377.7	419.9	347.7	112.72	90.0	24.31	190.77	2	0.899	141.89
28	215.4	377.7	125.4	112.44	90.0	24.31	190.77	2	0.899	141.89
29	171.5	286.4	115.2	112.27	90.0	24.31	190.85	2	0.899	141.72
30	186.7	311.5	104.7	112.49	90.0	24.31	190.66	2	0.899	141.63
31	189.2	370.9	124.1	112.41	90.0	24.31	190.72	2	0.899	141.66

Date	Discharge Don (m³/s)	Discharge PAI (m³/s)	RMP or Td Spillage water level (m)	Plant Q level (m)	Loss	Raw level	Reheat Head (m)	Efficiency Unit (m)	Output MW	Month y Ave MW
Feb 1	190.3	270.3	100.3	112.15	90.0	24.31	190.75	2	0.898	141.83
2	161.6	231.4	71.4	111.96	90.0	24.31	190.34	2	0.898	141.89
3	117.6	202.5	27.6	111.79	90.0	24.31	190.11	2	0.898	141.80
4	108.1	198.1	18.1	111.55	90.0	24.31	190.04	2	0.898	142.00
5	177.5	244.5	47.5	112.32	90.0	24.31	191.18	2	0.899	141.47
6	112.7	206.4	23.7	111.85	90.0	24.31	190.10	2	0.898	141.87
7	106.2	170.8	16.2	111.63	90.0	24.31	190.85	2	0.898	141.87
8	63.3	136.3	7.2	111.41	56.1	11.24	190.00	2	0.810	130.78
9	79.4	122.5	7.2	111.33	72.4	12.26	190.00	2	0.912	122.32
10	78.1	144.2	7.2	111.27	62.9	11.78	190.00	2	0.907	105.39
11	61.4	100.7	7.2	111.21	56.3	11.80	190.00	2	0.900	100.40
12	74.9	96.5	7.2	111.16	47.7	15.84	190.00	2	0.911	115.91
13	81.5	101.7	7.2	111.31	74.3	19.20	190.00	2	0.911	125.07
14	108.1	147.7	18.1	111.48	90.0	24.31	190.66	2	0.898	142.00
15	188.3	273.5	72.5	112.16	90.0	24.31	190.38	2	0.898	141.78
16	340.0	317.2	180.0	112.35	90.0	24.31	190.44	2	0.898	141.78
17	274.1	344.4	184.1	112.46	90.0	24.31	190.64	2	0.898	141.76
18	215.9	276.7	128.9	112.18	90.0	24.31	190.43	2	0.898	141.86
19	161.6	231.4	71.4	111.96	90.0	24.31	190.34	2	0.898	141.89
20	138.9	188.5	58.9	111.73	90.0	24.31	190.13	2	0.898	141.87
21	148.0	203.7	55.0	111.84	90.0	24.31	190.22	2	0.898	141.84
22	121.3	179.4	31.3	111.67	90.0	24.31	190.12	2	0.898	141.96
23	140.4	191.5	50.4	111.76	90.0	24.31	190.19	2	0.898	141.99
24	130.6	212.7	82.6	111.84	90.0	24.31	190.29	2	0.898	141.87
25	108.9	179.4	18.9	111.67	90.0	24.31	190.07	2	0.898	141.83
26	83.4	142.0	7.2	111.45	74.3	20.22	190.00	2	0.911	127.42
27	79.6	138.0	7.2	111.34	72.4	18.36	190.00	2	0.912	122.50
28	82.4	130.7	7.2	111.34	75.3	18.49	190.00	2	0.911	126.19

Date	Discharge Don (m³/s)	Discharge PAI (m³/s)	RMP or Td Spillage water level (m)	Plant Q level (m)	Loss	Raw level	Reheat Head (m)	Efficiency Unit (m)	Output MW	Month y Ave MW
Mar 1	72.0	119.7	7.2	111.31	43.8	18.06	190.00	2	0.899	112.94
2	67.3	116.9	7.2	111.29	40.1	12.56	190.00	2	0.903	103.77
3	108.0	133.5	18.0	111.40	90.0	24.31	190.07	2	0.898	142.00
4	123.5	144.9	31.3	111.47	90.0	24.31	190.13	2	0.898	142.00
5	106.2	156.3	16.2	111.54	90.0	24.31	190.85	2	0.898	142.00
6	100.4	179.1	10.4	111.43	90.0	24.31	190.02	2	0.898	142.00
7	54.0	103.7	7.2	111.21	48.8	8.29	190.00	2	0.876	63.61
8	64.5	94.7	7.2	111.16	57.3	11.43	190.00	2	0.898	99.07
9	96.4	102.6	8.6	111.49	90.0	24.31	190.01	2	0.898	142.00
10	150.0	202.5	60.0	111.79	90.0	24.31	190.23	2	0.898	141.94
11	107.2	176.7	17.2	111.64	90.0	24.31	190.64	2	0.898	141.95
12	94.8	145.9	7.2	111.47	67.6	24.72	190.00	2	0.901	139.84
13	71.0	122.5	7.2	111.33	45.8	15.08	190.00	2	0.908	112.93
14	61.4	108.5	7.2	111.24	58.3	11.80	190.00	2	0.900	100.56
15	53.2	96.1	7.2	111.16	44.0	7.37	190.00	2	0.847	70.33
16	44.6	64.3	7.2	111.09	38.4	5.41	190.00	2	0.802	70.37
17	44.7	79.5	7.2	111.04	37.5	4.90	190.00	2	0.806	67.63
18	41.9	75.1	7.2	111.01	34.7	4.19	190.00	2	0.811	63.15
19	39.1	70.7	7.2	110.99	31.9	3.54	190.00	2	0.811	58.21
20	63.5	64.3	7.2	111.09	34.3	11.04	190.00	2	0.894	97.76
21	54.9	83.9	7.2	111.07	48.7	8.60	190.00	2	0.879	83.37
22	54.1	81.7	7.2	111.06	44.9	7.64	190.00	2	0.870	80.09
23	63.1	83.9	7.2	111.07	34.3	11.04	190.00	2	0.894	97.37
24	73.8	91.3	7.2	111.12	46.8	14.99	190.00	2	0.911	117.27
25	64.5	136.3	7.2	111.41	57.3	11.43	190.00	2	0.898	96.92
26	84.0	132.7	7.2	111.36	48.8	8.29	190.00	2	0.876	83.35
27	73.2	106.2	7.2	111.22	44.0	7.37	190.00	2	0.847	70.39
28	47.5	86.5	7.2	111.11	40.1	5.46	190.00	2	0.805	67.29
29	45.7	64.3	7.2	111.09	34.5	5.14	190.00	2	0.803	68.10
30	44.7	81.7	7.2	111.04	37.5	4.90	190.00	2	0.804	67.63
31	41.9	75.1	7.2	111.01	34.7	4.19	190.00	2	0.811	63.15

		Discharge (Don m³/s)	Discharge (PAI m³/s)	RMP or Td Spillage water level (m)	Plant Q level (m)	Loss	Raw level	Reheat Head (m)	Efficiency Unit (m)	Output MW	Month y Ave MW	
Apr.	1	43.9	64.5	7.2	110.97	34.79	4.89	190.00	2	0.808	64.43	
	2	43.9	64.5	7.2	110.97	34.79	4.89	190.00	2	0.808	64.43	
	3	42.3	64.3	7.2	110.96	33.50	4.34	190.00	2	0.811	64.17	
	4	41.1	64.1	7.2	110.94	33.80	4.00	190.00	2	0.812	61.80	
	5	42.5	64.3	7.2	110.96	33.50	4.34	190.00	2	0.811	64.17	
	6	44.7	72.9	7.2	111.00	39.50	5.43	190.00	2	0.800	70.23	
	7	43.9	64.5	7.2	110.97	34.79	4.89	190.00	2	0.808	64.43	
	8	41.1	64.1	7.2	110.94	33.80	4.00	190.00	2	0.812	61.80	
	9	36.0	54.2	7.2	110.89	28.80	2.89	190.00	2	0.804	53.35	
	10	41.1	64.1	7.2	110.94	33.80	4.00	190.00	2	0.812	61.80	
	11	39.7	61.9	7.2	110.93	32.50	3.68	190.00	2	0.810	59.32	
	12	37.3	58.1	7.2	110.90	30.00	3.13	190.00	2	0.807	54.47	
	13	37.3	58.1	7.2	110.90	30.00	3.13	190.00	2	0.807	54.47	
	14	34.0	54.2	7.2	110.89	28.80	2.89	190.00	2	0.804	53.35	
	15	34.8	54.3	7.2	110.97	37.40	2.65	190.00	2	0.899	49.97	
	16	34.8	54.3	7.2	110.97	37.40	2.65	190.00	2	0.899	49.97	
	17	34.8	54.3	7.2	110.97	37.40	2.65	190.00	2	0.899	49.97	
	18	40.1	52.8	7.2	111.14	31.90	8.75	190.00	2	0.886	61.24	
	19	177.3	274.7	87.3	122.16	90.00	28.21	179.31	179.32	2	0.896	141.78
	20	190.0	294.4	100.0	123.27	90.00	28.21	179.31	179.37	2	0.899	141.79
	21	132.4	204.6	124.4	116.83	90.00	28.21	179.16	179.13	2	0.890	114.92
	22	98.3	153.4	83	111.52	90.00	28.21	179.01	179.29	2	0.898	120.00
	23	80.3	129.2	72	111.34	73.00	18.96	190.00	180.10	2	0.912	102.52
	24	64.8	101.2	73	111.19	57.40	11.25	190.00	194.26	2	0.899	90.97
	25	54.9	88.8	72	111.11	49.80	8.40	190.00	190.29	2	0.879	83.25
	26	53.3	86.3	72	111.09	49.39	8.06	190.00	190.33	2	0.874	82.25
	27	53.7	85.9	72	111.07	49.50	7.53	190.00	200.40	2	0.849	79.32
	28	53.7	85.9	72	111.07	49.50	7.53	190.00	200.40	2	0.849	79.32
	29	54.9	88.8	72	111.11	49.80	8.40	190.00	190.29	2	0.879	83.25
	30	74.7	119.7	72	111.31	69.50	14.62	190.00	193.87	2	0.911	110.44
May	1	83.3	176.7	72	111.44	78.10	21.26	190.00	186.10	2	0.930	128.62
	2	61.7	138.1	72	111.43	54.90	15.34	190.00	197.22	2	0.893	93.97
	3	54.9	114.9	72	111.29	49.70	8.40	190.00	199.11	2	0.879	85.86
	4	54.0	108.6	72	111.24	48.80	8.25	190.00	199.47	2	0.876	83.00
	5	60.7	106.3	72	111.23	53.90	9.97	190.00	197.81	2	0.890	90.28
	6	106.3	114.9	141.7	111.47	90.00	28.21	179.25	179.29	2	0.899	141.79
	7	156.7	191.3	164.7	111.74	90.00	28.21	179.25	179.29	2	0.899	142.00
	8	115.7	194.3	24.7	111.54	90.00	28.21	179.10	179.33	2	0.898	142.00
	9	98.6	142.6	84	111.45	90.00	28.21	179.81	179.33	2	0.898	142.00
	10	91.9	128.0	72	111.36	84.70	14.99	190.00	184.65	2	0.904	171.13
	11	72.0	114.9	72	111.29	64.40	14.62	190.00	180.98	2	0.908	111.40
	12	66.4	106.3	72	111.22	59.30	12.31	190.00	195.57	2	0.902	102.29
	13	63.3	105.7	72	111.21	54.90	11.04	190.00	194.76	2	0.886	97.39
	14	60.7	91.3	72	111.13	53.90	9.97	190.00	197.91	2	0.893	92.34
	15	54.9	83.9	72	111.07	49.70	8.40	190.00	199.33	2	0.879	83.37
	16	53.2	81.7	72	111.06	44.40	7.57	190.00	200.57	2	0.847	79.87
	17	43.4	75.1	72	111.01	34.00	4.77	190.00	203.32	2	0.808	64.23
	18	37.2	68.5	72	110.97	30.00	3.13	190.00	204.90	2	0.807	54.45
	19	33.5	64.5	72	110.97	28.30	2.79	190.00	205.34	2	0.803	51.34
	20	33.7	64.3	72	110.96	28.30	2.63	190.00	205.40	2	0.804	47.74
	21	35.8	841.2	218.8	112.61	90.00	28.21	179.43	179.37	2	0.899	141.81
	22	493.7	914.7	402.7	113.30	90.00	28.21	179.99	179.28	2	0.899	141.77
	23	264.7	903.1	194.7	112.99	90.00	28.21	179.53	179.74	2	0.899	141.67
	24	190.4	237.0	70.4	112.09	90.00	28.21	179.25	179.96	2	0.898	110.81
	25	196.7	328.1	64.7	111.84	90.00	28.21	179.35	179.10	2	0.898	141.90
	26	117.4	213.8	27.4	111.48	90.00	28.21	179.11	179.92	2	0.896	141.85
	27	107.2	196.4	17.2	111.76	90.00	28.21	179.06	179.29	2	0.898	141.89
	28	95.7	196.5	7.2	111.73	84.90	27.88	190.00	180.00	2	0.900	140.54
	29	77.7	162.0	72	111.57	70.30	17.31	190.00	193.12	2	0.911	138.72
	30	67.3	140.0	72	111.45	60.10	12.98	190.00	194.97	2	0.903	108.68
	31	63.5	114.9	72	111.29	54.90	11.04	190.00	194.67	2	0.896	97.34
Jun.	1	61.7	104.3	72	111.23	54.90	11.34	190.00	197.43	2	0.882	94.09
	2	62.7	101.2	72	111.19	51.20	9.97	190.00	197.84	2	0.900	92.31
	3	59.8	94.3	72	111.16	42.90	8.44	190.00	198.21	2	0.896	90.09
	4	57.8	94.7	72	111.17	50.40	8.92	190.00	198.91	2	0.882	87.00
	5	54.0	91.3	72	111.13	44.80	8.25	190.00	199.59	2	0.876	83.64
	6	54.1	86.3	72	111.09	44.85	7.64	190.00	200.25	2	0.870	80.97
	7	50.4	81.7	72	111.06	43.20	6.50	190.00	201.44	2	0.836	72.07
	8	48.5	81.7	72	111.06	41.30	5.94	190.00	202.00	2	0.847	69.27
	9	64.5	91.3	72	111.12	57.30	11.43	190.00	196.44	2	0.898	98.08
	10	83.3	128.0	72	111.36	78.10	21.26	190.00	186.39	2	0.910	128.81
	11	65.4	114.9	72	111.29	54.90	11.04	190.00	195.91	2	0.892	100.53
	12	61.7	101.2	72	111.19	54.90	10.94	190.00	197.47	2	0.882	94.11
	13	61.7	93.6	72	111.14	54.30	10.34	190.00	197.92	2	0.892	94.13
	14	53.2	84.3	72	111.07	44.80	7.57	190.00	200.56	2	0.847	79.35
	15	46.4	79.5	72	111.04	38.60	6.41	190.00	202.55	2	0.800	70.36
	16	40.0	77.3	72	111.03	32.80	5.71	190.00	204.22	2	0.811	59.83
	17	37.2	81.7	72	111.04	30.00	3.13	190.00	204.81	2	0.807	54.43
	18	196.0	312.8	94.0	111.88	90.00	28.21	179.33	179.23	2	0.898	141.89
	19	246.0	446.0	104.0	121.79	90.00	28.21	179.34	179.58	2	0.899	141.57
	20	207.2	310.3	117.2	123.23	90.00	28.21	179.39	179.84	2	0.899	141.74
	21	105.2	203.6	13.2	111.81	90.00	28.21	179.05	179.03	2	0.898	141.83
	22	83.4	144.9	72	111.59	74.20	20.22	190.00	179.19	2	0.911	127.33
	23	90.0	185.5	72	111.71	82.80	23.88	190.00	180.41	2	0.907	134.92
	24	438.5	954.0	344.5	113.70	90.00	28.21	179.89	177.94	2	0.899	141.18
	25	843.3	1993.5	753.3	115.08	90.00	28.21	179.34	177.23	2	0.900	140.71
	26	997.9	1917.7	907.9	114.00	90.00	28.21	179.36	177.95	2	0.899	141.16
	27	401.1	631.7	311.1	113.29	90.00	28.21	179.82	179.38	2	0.899	141.44
	28	314.9	432.2	226.9	112.78	90.00	28.21	179.63	179.66	2	0.899	141.82
	29	247.0	394.5	177.0	112.44	90.00	28.21	179.34	179.49	2	0.899	141.64
	30	234.2	394.3	144.2	112.55	90.00	28.21	179.46	179.70	2	0.899	141.64

## POWER GENERATION SIMULATION

Year: 1975

Don Ach B  
P.L.L. = 319.00 mRaid Head : 17.30 m  
Min. Flood Discharge : 92.00 m/s

Installed Capacity : 1416 kW

Date	Discharge Date (mm)	Discharge PAI (mm)	RMP or Tail Spillage water level m (mm)	Plant Q level m (mm)	Raw level m (mm)	Effluent Head h Unit m/s	Effluent Unit m/s	Output kW	Month y Ave kW			
Jul	1	233.0	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
2	247.1	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
3	222.4	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
4	202.4	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
5	194.8	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
6	101.4	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
7	74.7	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
8	67.3	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
9	58.8	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
10	57.8	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
11	54.9	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
12	57.8	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
13	57.8	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
14	54.9	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
15	56.0	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
16	51.1	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
17	51.2	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
18	51.3	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
19	51.2	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
20	54.0	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
21	263.4	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
22	1154.7	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
23	833.6	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
24	426.0	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
25	293.7	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
26	277.7	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
27	286.4	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
28	237.6	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
29	217.7	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
30	132.8	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
31	118.3	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
Aug	1	95.7	177.3	177.3	143.0	90.0	28.21	319.44	178.81	2	0.899	141.71
2	91.9	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
3	90.1	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
4	88.3	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
5	85.3	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
6	78.7	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
7	71.1	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
8	69.2	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
9	64.5	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
10	62.1	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
11	63.5	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
12	114.7	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
13	65.3	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
14	59.2	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
15	48.1	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
16	34.4	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
17	31.5	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
18	24.9	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
19	22.2	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
20	17.5	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
21	288.4	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
22	57.8	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
23	495.2	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
24	459.4	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
25	395.1	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
26	450.4	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
27	468.3	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
28	1107.3	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
29	1029.9	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
30	732.3	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
31	517.4	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
Sep	1	372.7	177.3	177.3	143.0	90.0	28.21	319.44	178.81	2	0.899	141.71
2	307.2	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
3	247.0	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
4	321.0	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
5	332.1	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
6	283.7	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
7	283.5	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
8	343.9	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
9	317.7	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
10	183.9	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
11	160.4	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
12	268.3	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
13	177.7	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
14	161.4	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
15	300.2	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
16	321.0	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
17	328.0	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
18	381.2	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
19	323.8	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
20	404.1	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
21	479.4	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
22	401.4	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
23	323.2	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
24	333.3	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
25	217.7	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
26	303.6	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
27	191.4	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
28	186.0	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
29	164.5	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71
30	180.4	177.3	177.3	143.0	112.44	90.0	28.21	319.44	178.81	2	0.899	141.71



## POWER GENERATION SIMULATION

Year: 1974

Date Act B  
F.L.L. = 318.00 m

Level Head :

179.90 m

Installed Capacity : 143.0 MW

Max. Plant Discharge : 90.00 m³/s

Date	Discharge Dam (cfs)	Discharge PAH (cfs)	RMP or Tail Spillage water level (cfs)	Plant Q (cfs)	Loss	Raw level (cfs)	Effect Head h (cfs)	Efficiency Unit m³/s	Output MW	Month y Ave MW
Jan. 1	126.7	323.8	64.7	111.91	90.0	24.31	319.23	178.11	2 0.896	141.92
2	194.7	347.6	104.7	112.04	90.0	24.31	319.36	176.11	2 0.896	141.90
3	187.5	318.3	73.5	111.89	90.0	24.31	319.27	179.17	2 0.896	141.94
4	114.7	174.7	24.7	111.64	90.0	24.31	319.09	179.22	2 0.896	141.98
5	73.8	120.7	7.3	111.39	64.6	14.78	319.00	191.33	2 0.911	117.11
6	43.5	111.4	7.3	111.34	55.3	14.63	319.00	197.09	2 0.896	93.50
7	74.9	104.3	7.3	111.30	47.7	15.96	319.00	191.02	2 0.911	113.87
8	111.2	115.4	11.1	111.84	90.0	24.31	319.08	178.99	2 0.896	141.83
9	325.2	796.7	225.2	113.40	90.0	24.31	319.67	179.04	2 0.899	141.23
10	334.9	811.4	244.9	113.10	90.0	24.31	319.69	178.39	2 0.899	141.44
11	315.4	427.1	125.4	112.74	90.0	24.31	319.41	178.47	2 0.899	141.49
12	224.8	254.3	134.8	112.43	90.0	24.31	319.44	178.51	2 0.899	141.71
13	142.6	267.0	72.6	112.13	90.0	24.31	319.27	178.91	2 0.896	141.78
14	159.9	300.3	101.3	111.79	90.0	24.31	319.07	179.07	2 0.896	141.83
15	127.1	197.5	37.1	111.78	13.0	24.31	319.14	179.14	2 0.896	141.83
16	150.3	174.7	13.2	111.64	90.0	24.31	319.05	178.18	2 0.896	141.95
17	87.2	127.4	7.3	111.52	80.0	22.36	319.00	185.19	2 0.909	131.94
18	80.6	142.0	7.3	111.45	73.4	18.76	319.00	184.79	2 0.912	122.79
19	72.0	123.3	7.3	111.40	64.8	14.62	319.00	190.84	2 0.908	111.33
20	74.9	156.3	7.3	111.34	47.7	15.96	319.00	191.50	2 0.910	113.67
21	117.6	202.8	27.6	112.04	90.0	24.31	319.11	178.84	2 0.899	141.79
22	108.9	228.1	19.9	111.94	90.0	24.31	319.07	178.93	2 0.896	141.78
23	82.4	167.8	7.3	111.81	74.2	20.22	319.02	187.17	2 0.911	127.32
24	89.3	140.0	7.3	111.65	62.0	18.39	319.00	184.16	2 0.905	104.82
25	64.4	126.2	7.3	111.34	92.0	12.31	319.00	189.43	2 0.901	102.22
26	71.1	128.1	7.3	111.35	63.9	14.22	319.00	195.23	2 0.908	109.82
27	177.3	300.8	47.3	112.13	90.0	24.31	319.18	178.83	2 0.899	141.74
28	125.3	334.3	33.2	112.42	90.0	24.31	319.13	178.90	2 0.899	141.51
29	98.5	267.0	9.5	112.13	90.0	24.31	319.02	178.67	2 0.899	141.62
30	114.7	221.9	24.7	111.91	90.0	24.31	319.09	178.97	2 0.896	141.82
31	110.9	212.8	20.9	111.82	90.0	24.31	319.08	178.99	2 0.896	141.81
120.04										
Feb. 1	81.2	191.5	7.3	111.74	90.0	22.36	319.00	184.97	2 0.909	131.90
2	73.8	127.7	7.3	111.64	64.6	14.78	319.00	191.33	2 0.911	117.24
3	73.0	144.9	7.3	111.67	43.8	15.08	319.00	192.43	2 0.909	112.64
4	82.4	164.9	7.3	111.58	73.2	18.40	319.00	187.72	2 0.911	126.04
5	125.6	202.5	43.6	111.79	90.0	24.31	319.18	178.17	2 0.896	141.94
6	134.7	186.3	44.7	111.73	90.0	24.31	319.17	178.34	2 0.896	141.98
7	130.9	191.5	40.9	111.74	90.0	24.31	319.16	179.21	2 0.896	141.96
8	95.7	144.9	7.3	111.67	90.0	24.31	319.00	180.36	2 0.900	140.71
9	72.0	122.3	7.3	111.35	64.8	14.62	319.00	190.85	2 0.906	111.37
10	65.4	102.7	7.3	111.21	54.2	11.80	319.00	194.00	2 0.900	100.40
11	31.3	91.3	7.3	111.12	44.1	6.77	319.00	201.30	2 0.839	74.06
12	47.3	84.3	7.3	111.09	40.3	5.44	319.00	202.25	2 0.845	67.30
13	43.8	78.5	7.3	111.06	34.6	4.47	319.00	203.29	1 0.846	61.24
14	44.9	72.1	7.3	111.01	34.7	3.90	319.00	203.78	1 0.911	43.15
15	44.6	79.5	7.3	111.04	34.4	5.41	319.00	202.55	1 0.900	70.30
16	34.1	91.3	7.3	111.12	44.9	7.44	319.00	200.22	2 0.870	80.06
17	74.9	123.2	7.3	111.34	47.7	15.96	319.00	191.48	2 0.910	113.60
18	94.7	157.3	7.3	111.69	86.5	27.90	319.00	179.02	2 0.896	141.21
19	117.4	134.3	27.6	112.42	90.0	24.31	319.11	178.47	2 0.899	141.50
20	180.3	376.7	78.5	112.18	90.0	24.31	319.08	178.90	2 0.896	141.77
21	177.7	232.8	117.1	112.04	90.0	24.31	319.31	179.05	2 0.896	141.84
22	202.2	337.4	190.2	112.40	90.0	24.31	319.37	178.77	2 0.899	141.29
23	247.1	404.8	171.2	112.75	90.0	24.31	319.49	178.34	2 0.899	141.34
24	325.2	622.8	235.2	113.18	90.0	24.31	319.67	178.20	2 0.899	141.38
25	437.0	651.7	247.0	113.23	90.0	24.31	319.69	178.45	2 0.899	141.48
26	344.4	271.7	276.3	112.99	90.0	24.31	319.75	178.55	2 0.899	141.51
27	278.9	416.3	186.9	112.70	90.0	24.31	319.57	178.65	2 0.899	141.61
28	227.1	317.2	177.1	112.35	90.0	24.31	319.44	178.88	2 0.896	141.76
120.04										
Mar. 1	145.0	270.3	95.0	112.15	90.0	24.31	319.33	178.97	2 0.896	141.82
2	151.9	218.1	61.9	111.99	90.0	24.31	319.23	179.13	2 0.896	141.92
3	126.7	133.7	66.7	111.82	90.0	24.31	319.26	179.19	2 0.896	141.95
4	193.5	412.6	103.5	112.40	90.0	24.31	319.34	178.43	2 0.899	141.48
5	188.3	341.2	98.2	112.43	90.0	24.31	319.34	178.46	2 0.899	141.45
6	216.6	409.0	126.6	112.68	90.0	24.31	319.43	178.53	2 0.899	141.51
7	200.3	308.9	139.3	112.31	90.0	24.31	319.60	178.84	2 0.896	141.76
8	173.3	267.6	83.5	112.13	90.0	24.31	319.30	178.94	2 0.896	141.81
9	115.7	206.6	25.7	111.83	90.0	24.31	319.10	179.06	2 0.896	141.87
10	104.3	162.6	14.3	111.69	90.0	24.31	319.04	179.14	2 0.896	141.92
11	108.1	202.5	18.1	111.79	90.0	24.31	319.04	179.06	2 0.896	141.87
12	136.6	247.6	44.6	112.04	90.0	24.31	319.18	178.93	2 0.896	141.79
13	147.1	226.9	37.1	111.92	90.0	24.31	319.22	179.08	2 0.896	141.89
14	136.4	194.4	44.4	111.76	90.0	24.31	319.19	179.22	2 0.896	141.97
15	117.4	191.5	27.6	111.74	90.0	24.31	319.11	179.15	2 0.896	141.93
16	101.4	237.3	11.4	112.09	90.0	24.31	319.03	179.75	2 0.899	141.46
17	144.6	376.0	74.6	112.01	90.0	24.31	319.27	178.95	2 0.899	141.51
18	144.3	354.9	54.2	112.90	90.0	24.31	319.21	178.30	2 0.899	141.51
19	111.8	270.3	21.8	112.15	90.0	24.31	319.04	179.72	2 0.899	141.66
20	104.3	203.4	14.3	111.81	90.0	24.31	319.04	179.02	2 0.896	141.83
21	84.8	182.6	7.3	111.69	87.6	24.77	319.00	180.58	2 0.901	136.74
22	104.3	334.9	14.3	111.92	90.0	24.31	319.04	178.91	2 0.896	141.78
23	166.5	314.3	76.3	112.42	90.0	24.31	319.28	178.43	2 0.899	141.61
24	227.1	377.7	177.1	112.99	90.0	24.31	319.44	178.34	2 0.899	141.33
25	230.6	446.8	180.6	112.60	90.0	24.31	319.50	178.49	2 0.899	141.51
26	230.6	390.3	140.6	112.62	90.0	24.31	319.45	178.42	2 0.899	141.59
27	203.8	334.3	115.6	112.42	90.0	24.31	319.38	178.75	2 0.899	141.68
28	186.0	280.3	94.0	112.01	90.0	24.31	319.17	178.94	2 0.896	141.81
29	134.7	241.1	44.7	112.01	90.0	24.31	319.01	179.04	2 0.896	141.87
30	96.6	191.5	8.6	111.74	90.0	24.31	319.01	179.04	2 0.896	141.87
31	81.2	129.1	7.3	111.55	74.3	19.22	319.00	186.22	2 0.911	124.91
141.12										

Date	Discharge (cum)	Discharge PAI (cum)	RMP or Tail Spillage water level (m)	Plant Q (cum)	Loss	Raw level (m)	Effect Head h (m)	Efficiency Unit sec	Output MW	Month Y Ave MW
Apr. 1	74.0	142.0	7.3	111.45	64.0	15.94	319.00	192.01	2 0.910	114.36
2	44.4	130.4	7.3	111.30	50.0	13.21	319.00	195.30	2 0.901	102.13
3	61.7	134.3	7.3	111.41	54.5	10.34	319.00	197.24	2 0.892	93.59
4	56.0	122.5	7.3	111.33	48.0	8.29	319.00	199.34	2 0.876	83.33
5	51.3	114.2	7.3	111.27	44.0	6.77	319.00	200.95	2 0.859	74.61
6	30.4	104.3	7.3	111.22	43.0	4.50	319.00	201.28	2 0.835	72.80
7	48.3	104.2	7.3	111.22	41.30	3.94	319.00	201.84	2 0.847	69.30
8	43.7	105.7	7.3	111.21	38.30	3.16	319.00	202.63	1 0.903	69.06
9	43.8	93.8	7.3	111.14	34.00	4.67	319.00	203.19	1 0.903	64.21
10	43.8	84.3	7.3	111.09	35.00	4.41	319.00	203.30	1 0.91	64.01
11	41.0	83.9	7.3	111.07	33.80	3.98	319.00	203.85	1 0.913	61.96
12	39.1	81.7	7.3	111.04	31.90	3.54	319.00	204.40	1 0.911	59.19
13	37.2	79.5	7.3	111.04	30.00	3.13	319.00	204.82	1 0.907	56.43
14	34.4	73.5	7.3	111.04	29.00	2.87	319.00	204.99	1 0.905	53.08
15	34.7	77.3	7.3	111.03	27.00	2.63	319.00	205.34	1 0.909	49.71
16	31.2	70.7	7.3	110.99	24.00	2.01	319.00	206.01	1 0.879	42.59
17	31.2	64.1	7.3	110.94	21.00	1.61	319.00	206.95	1 0.879	43.40
18	33.7	70.7	7.3	110.99	24.00	2.43	319.00	205.57	1 0.894	47.73
19	31.2	66.3	7.3	110.94	24.00	2.01	319.00	206.04	1 0.879	42.40
20	31.2	64.1	7.3	110.94	24.00	2.01	319.00	206.04	1 0.879	42.40
21	31.2	64.3	7.3	110.94	24.00	2.01	319.00	206.04	1 0.879	42.40
22	41.9	70.7	7.3	110.99	33.80	3.98	319.00	204.04	1 0.913	61.96
23	43.8	70.7	7.3	110.99	34.00	4.67	319.00	203.35	1 0.908	64.21
24	41.9	68.0	7.3	110.97	34.70	4.19	319.00	202.84	1 0.911	63.14
25	40.7	81.7	7.3	111.04	31.90	3.94	319.00	203.80	1 0.917	60.27
26	34.9	130.1	7.2	111.43	69.70	8.60	319.00	198.97	2 0.876	82.55
27	32.2	119.7	7.2	111.31	63.00	7.05	319.00	200.64	2 0.863	76.13
28	44.6	98.7	7.2	111.17	39.40	5.61	319.00	202.82	1 0.900	70.35
29	43.6	84.8	7.2	111.11	36.00	4.41	319.00	203.44	1 0.910	64.41
30	41.0	83.9	7.3	111.07	33.80	3.98	319.00	203.95	1 0.912	61.96
65.56										
May 1	30.5	79.5	7.3	111.04	43.70	4.63	319.00	201.30	2 0.858	73.94
2	46.1	75.1	7.3	111.01	40.00	5.83	319.00	202.16	2 0.843	68.00
3	45.3	70.7	7.3	110.99	34.30	5.04	319.00	202.94	1 0.904	64.94
4	42.3	66.3	7.3	110.94	31.00	4.34	319.00	203.31	1 0.911	61.47
5	39.7	61.9	7.3	110.93	32.30	3.84	319.00	204.40	1 0.911	59.32
6	37.2	58.1	7.3	110.90	30.00	3.13	319.00	204.97	1 0.907	54.87
7	36.0	56.2	7.3	110.89	28.00	2.89	319.00	205.32	1 0.904	52.35
8	34.8	54.3	7.3	110.87	27.40	2.63	319.00	205.71	1 0.903	49.87
9	34.8	54.3	7.3	110.87	27.40	2.63	319.00	205.71	1 0.903	49.87
10	36.7	61.9	7.3	110.93	32.30	3.84	319.00	204.40	1 0.911	59.32
11	36.5	60.0	7.3	110.91	31.00	3.41	319.00	204.66	1 0.910	57.13
12	34.0	54.2	7.3	110.86	28.00	2.89	319.00	205.25	1 0.902	52.35
13	33.4	52.4	7.3	110.84	26.00	2.43	319.00	205.71	1 0.894	47.56
14	31.1	48.6	7.2	110.73	23.80	1.99	319.00	206.18	1 0.876	42.42
15	31.1	48.6	7.2	110.73	23.80	1.99	319.00	206.18	1 0.876	42.42
16	31.1	48.6	7.3	110.83	23.70	1.99	319.00	206.11	1 0.876	42.42
17	30.9	44.7	7.2	110.82	22.00	1.79	319.00	206.39	1 0.870	39.92
18	29.9	44.7	7.2	110.82	22.70	1.79	319.00	206.39	1 0.870	39.92
19	31.1	48.6	7.2	110.83	23.80	1.99	319.00	206.18	1 0.876	42.42
20	33.4	52.4	7.3	110.84	26.00	2.43	319.00	205.71	1 0.894	47.56
21	34.0	54.2	7.3	110.89	28.00	2.89	319.00	205.25	1 0.902	52.35
22	33.6	52.4	7.3	110.84	26.00	2.43	319.00	205.71	1 0.894	47.56
23	31.1	48.6	7.3	110.83	23.80	1.99	319.00	206.18	1 0.876	42.42
24	22.7	44.8	7.2	110.81	21.00	1.61	319.00	206.33	1 0.870	37.41
25	22.7	44.8	7.2	110.81	21.50	1.61	319.00	206.38	1 0.862	37.41
26	29.9	44.7	7.2	110.82	22.74	1.79	319.00	206.39	1 0.870	39.92
27	31.1	48.6	7.2	110.83	23.80	1.99	319.00	206.18	1 0.876	42.42
28	32.4	30.5	7.3	110.85	15.00	2.31	319.00	205.94	1 0.867	45.11
29	29.9	44.7	7.2	110.82	22.70	1.79	319.00	206.39	1 0.870	39.92
30	24.7	44.8	7.2	110.81	31.50	1.61	319.00	206.58	1 0.840	37.41
31	27.5	42.9	7.2	110.79	20.30	1.44	319.00	206.77	1 0.848	34.90
48.77										
Jun 1	22.2	42.9	22.2	130.79	0.00	0.78	319.00	207.02	0 0.000	0.00
2	20.6	41.4	20.6	130.78	0.00	0.67	319.00	207.59	0 0.000	0.00
3	18.8	39.7	18.8	130.77	0.00	0.55	319.00	207.64	0 0.000	0.00
4	18.1	39.7	18.1	130.77	0.00	0.61	319.00	207.81	0 0.000	0.00
5	17.4	38.2	17.4	130.76	0.00	0.34	319.00	207.84	0 0.000	0.00
6	15.5	34.7	15.5	130.75	0.00	0.30	319.00	207.95	0 0.000	0.00
7	30.3	54.3	7.2	110.87	33.30	1.86	319.00	204.27	1 0.873	40.75
8	54.1	78.5	7.2	111.04	44.90	3.64	319.00	200.29	2 0.870	80.08
9	88.1	170.8	7.2	111.62	81.90	23.36	319.00	184.00	2 0.907	134.01
10	109.9	194.4	19.9	111.74	90.00	24.21	319.07	179.10	2 0.898	141.90
11	98.6	197.5	8.4	111.78	90.00	24.21	319.01	179.02	2 0.898	141.83
12	64.3	128.0	7.2	111.34	41.90	13.03	319.00	194.64	2 0.904	105.40
13	49.4	91.3	7.2	111.13	42.20	6.90	319.00	201.47	2 0.851	79.00
14	51.9	72.1	7.2	111.14	34.70	4.81	319.00	202.23	2 0.874	73.15
15	34.7	46.3	7.2	110.96	27.30	2.63	319.00	202.41	1 0.899	49.75
16	33.7	41.9	7.2	110.93	24.90	2.45	319.00	202.63	1 0.894	47.36
17	64.3	79.5	7.2	111.04	41.30	13.03	319.00	194.95	2 0.904	105.90
18	83.3	106.2	7.3	111.23	78.10	21.36	319.00	186.54	2 0.910	129.80
19	86.2	114.2	7.2	111.27	82.00	13.99	319.00	194.34	2 0.904	108.93
20	51.3	96.7	7.2	111.14	44.10	6.77	319.00	201.05	2 0.876	74.64
21	47.5	93.8	7.2	111.14	40.30	5.86	319.00	202.80	2 0.842	67.28
22	65.4	130.0	7.2	111.34	54.20	11.40	319.00	185.84	2 0.900	100.51
23	77.7	125.2	7.2	111.34	70.30	17.31	319.00	180.35	2 0.911	119.87
24	64.4	106.2	7.3	111.22	39.30	12.31	319.00	195.37	2 0.902	102.29
25	54.1	96.7	7.2	111.17	44.90	6.94	319.00	200.17	2 0.870	90.09
26	37.5	111.4	7.2	111.24	48.00	8.92	319.00	199.80	2 0.940	84.95
27	40.0	106.2	7.2	111.22	48.00	8.29	319.00	199.48	2 0.876	83.41
28	53.2	96.7	7.2	111.14	46.00	5.41	319.00	201.66	2 0.846	78.31
29	44.6	93.6	7.2	111.14	39.40	4.47	319.00	202.45	1 0.900	70.00
30	41.0	84.3	7.3	111.09	33.80	3.98	319.00	202.95	1 0.912	61.96
71.44										

POWER GENERATION SIMULATION

Year: 1974  
 Date: Aug 1  
 P.L.L.: 319.00 m  
 Head: 179.30 m  
 Min. Plant Discharge: 90.00 m³/s  
 Installed Capacity: 142.0 MW

		Discharge		Discharge		Head at Tail		First Q		Last		Rear		Head		Efficiency		Output		Month	
Date	Time	Flow (m³/s)	Power (MW)	Flow (m³/s)	Power (MW)	Flow (m³/s)	Power (MW)	Flow (m³/s)	Power (MW)	Flow (m³/s)	Power (MW)	Flow (m³/s)	Power (MW)	Flow (m³/s)	Power (MW)	Flow (m³/s)	Power (MW)	Flow (m³/s)	Power (MW)	Month	
Jul	1	36.1	81.7	7.2	111.06	30.9	3.21	319.00	204.62	1	0.000	34.33									
	2	37.2	77.3	7.2	111.03	30.0	3.13	319.00	204.64	1	0.007	34.63									
	3	36.4	72.9	7.2	111.00	29.2	2.97	319.00	204.60	1	0.005	33.90									
	4	34.4	64.1	7.2	110.94	28.3	2.87	319.00	204.69	1	0.005	33.21									
	5	31.5	51.9	7.2	110.93	26.3	2.79	319.00	204.59	1	0.001	31.65									
	6	31.2	50.0	7.2	110.91	24.0	2.01	319.00	204.66	1	0.001	42.91									
	7	28.4	34.1	7.2	110.90	22.2	1.72	319.00	204.34	1	0.043	34.85									
	8	28.4	34.1	7.2	110.90	22.2	1.72	319.00	204.38	1	0.045	34.84									
	9	26.4	24.2	7.2	110.89	21.4	1.59	319.00	204.32	1	0.039	37.59									
	10	24.4	14.2	7.2	110.89	21.4	1.59	319.00	204.32	1	0.049	37.58									
	11	22.9	9.3	7.2	110.87	20.4	1.48	319.00	204.65	1	0.031	52.51									
	12	22.0	8.4	7.2	110.86	20.4	1.48	319.00	204.64	1	0.051	35.32									
	13	22.0	8.4	7.2	110.85	18.8	1.37	319.00	204.79	1	0.040	33.68									
	14	24.1	42.6	7.2	110.83	18.2	1.34	319.00	205.92	1	0.034	31.97									
	15	23.4	46.7	7.2	110.82	18.2	1.35	319.00	207.01	1	0.034	30.11									
	16	23.4	46.7	7.2	110.82	18.2	1.35	319.00	207.05	1	0.036	30.51									
	17	24.3	46.7	7.2	110.82	17.3	1.04	319.00	207.14	1	0.034	28.89									
	18	23.0	44.9	7.2	110.81	16.6	0.96	319.00	207.23	1	0.007	27.81									
	20	24.3	32.4	7.2	110.84	17.3	1.04	319.00	207.10	1	0.016	26.44									
	21	24.6	46.5	7.2	110.87	16.4	0.91	319.00	202.62	1	0.003	70.41									
	22	24.6	46.5	7.2	110.87	16.4	0.91	319.00	202.62	1	0.009	141.80									
	23	24.6	46.5	7.2	110.87	16.4	0.91	319.00	202.62	1	0.009	141.80									
	24	24.6	46.5	7.2	110.87	16.4	0.91	319.00	202.62	1	0.009	141.80									
	25	24.6	46.5	7.2	110.87	16.4	0.91	319.00	202.62	1	0.009	141.80									
	26	24.6	46.5	7.2	110.87	16.4	0.91	319.00	202.62	1	0.009	141.80									
	27	24.6	46.5	7.2	110.87	16.4	0.91	319.00	202.62	1	0.009	141.80									
	28	24.6	46.5	7.2	110.87	16.4	0.91	319.00	202.62	1	0.009	141.80									
	29	24.6	46.5	7.2	110.87	16.4	0.91	319.00	202.62	1	0.009	141.80									
	30	24.6	46.5	7.2	110.87	16.4	0.91	319.00	202.62	1	0.009	141.80									
	31	24.6	46.5	7.2	110.87	16.4	0.91	319.00	202.62	1	0.009	141.80								72.13	
Aug	1	83.4	107.7	7.2	111.48	76.2	20.22	319.00	187.29	1	0.011	127.40									
	2	77.7	123.3	7.2	111.40	70.2	17.31	319.00	190.39	1	0.011	119.83									
	3	96.8	122.5	7.2	111.37	52.6	14.44	319.00	198.01	1	0.047	90.60									
	4	54.9	116.0	7.2	111.30	49.7	13.40	319.00	199.11	1	0.078	62.26									
	5	56.0	111.4	7.2	111.34	48.5	12.99	319.00	199.43	1	0.076	62.39									
	6	54.0	106.4	7.2	111.34	46.7	12.60	319.00	199.16	1	0.079	62.20									
	7	48.5	96.7	7.2	111.17	41.2	10.94	319.00	201.89	1	0.047	66.22									
	8	43.0	91.2	7.2	111.13	36.4	9.80	319.00	202.31	1	0.043	66.23									
	9	41.0	83.9	7.2	111.07	33.8	9.06	319.00	202.95	1	0.012	66.11									
	10	38.1	79.3	7.2	111.04	30.9	8.33	319.00	204.43	1	0.008	56.54									
	11	34.4	75.1	7.2	111.01	28.2	7.59	319.00	205.02	1	0.008	57.09									
	12	34.4	70.7	7.2	110.99	28.2	7.59	319.00	205.05	1	0.003	57.30									
	13	34.4	70.7	7.2	110.99	28.2	7.59	319.00	205.05	1	0.003	57.30									
	14	34.7	68.5	7.2	110.97	27.5	7.43	319.00	205.40	1	0.009	49.71									
	15	32.9	64.3	7.2	110.94	25.7	6.93	319.00	205.74	1	0.000	44.11									
	16	32.0	61.0	7.2	110.94	24.1	6.51	319.00	205.92	1	0.004	44.26									
	17	26.4	41.0	7.2	110.93	22.2	5.97	319.00	204.36	1	0.045	38.65									
	18	25.4	40.0	7.2	110.91	22.2	5.97	319.00	204.57	1	0.045	38.86									
	19	28.4	34.1	7.2	110.90	22.2	5.97	319.00	204.58	1	0.045	38.86									
	20	28.4	34.1	7.2	110.90	22.2	5.97	319.00	204.57	1	0.045	38.86									
	21	27.0	32.4	7.2	110.87	20.4	5.58	319.00	204.65	1	0.049	37.19									
	22	27.0	32.4	7.2	110.84	18.8	5.17	319.00	204.65	1	0.043	37.84									
	23	24.1	24.2	7.2	110.84	18.8	5.17	319.00	204.90	1	0.014	31.94									
	24	24.1	24.2	7.2	110.83	18.2	4.99	319.00	205.91	1	0.014	31.94									
	25	24.1	24.2	7.2	110.83	18.2	4.99	319.00	206.90	1	0.024	31.97									
	26	24.1	24.2	7.2	110.83	18.2	4.99	319.00	207.01	1	0.026	30.51									
	27	23.0	19.0	7.2	110.85	15.8	4.07	319.00	207.28	1	0.797	23.99									
	28	21.4	12.4	7.2	110.84	0.0	0.70	319.00	207.44	1	0.000	0.00									
	29	23.0	19.0	7.2	110.87	15.8	4.07	319.00	207.34	1	0.797	23.97									
	30	27.0	32.4	7.2	110.89	19.0	5.17	319.00	204.73	1	0.040	32.84									
	31	159.8	112.5	41.0	111.72	90.0	25.21	319.17	179.43	1	0.098	142.00	55.52								
Sep	1	344.4	913.5	294.6	112.45	90.0	24.21	316.79	177.93	2	0.099	141.00									
	2	308.4	548.3	118.6	112.53	90.0	24.21	316.83	178.39	2	0.080	141.44									
	3	315.4	545.4	123.4	112.54	90.0	24.21	316.81	178.67	2	0.099	141.82									
	4	181.8	288.7	91.8	112.54	90.0	24.21	316.32	178.88	2	0.098	141.76									
	5	184.0	280.0	96.0	112.19	90.0	24.21	315.73	178.93	2	0.098	141.79									
	6	302.2	414.3	110.2	112.70	90.0	24.21	316.81	178.67	2	0.099	141.84									
	7	326.5	446.0	236.6	112.79	90.0	24.21	316.87	178.67	2	0.099	141.82									
	8	228.3	341.9	136.3	112.53	90.0	24.21	316.45	178.71	2	0.099	141.85									
	9	144.5	274.7	74.3	112.18	90.0	24.21	316.28	178.89	2	0.098	141.76									
	10	152.4	277.8	62.6	111.99	90.0	24.21	316.32	179.03	2	0.086	141.84									
	11	131.8	200.5	41.0	111.79	90.0	24.21	316.14	179.16	2	0.058	141.94									
	12	101.4	173.7	11.4	111.64	90.0	24.21	315.97	179.18	2	0.080	141.94									
	13	82.4	136.3	7.2	111.54	76.2	20.22	319.00	187.24	1	0.011	127.54									
	14	71.8	144.8	7.2	111.47	70.2	17.31	319.00	190.15	1	0.011	119.83									
	15	74.0	136.3	7.2	111.41	64.8	15.34	319.00	190.65	1	0.030	144.20									
	16	54.9	139.7	7.2	111.31	48.7	13.00	319.00	190.09	1	0.079	62.25									
	17	52.2	116.9	7.2	111.29	45.0	12.05	319.00	200.46	1	0.043	76.94									
	18	48.4	96.7	7.2	111.17	41.2	10.94	319.00	201.63	1	0.041	70.97									
	19	48.5	96.7	7.2	111.17	41.2	10.94	319.00	201.69	1	0.047	69.22									

100.77

Date		Discharge Dm (cms)	Discharge P.H. (cms)	H/G or Tail Spillage Spillage (cms)	Power Watts Watts (Kw)	Plant Q (cms)	Loss	Raw Total	M.O.S. Head (m)	Unit m/s	Efficiency M/W	Output M/W	Month p.A.A. M/W
Oct.	1	41.1	64.1	7.2	110.94	33.33	4.00	316.80	204.85	1	0.912	61.82	
	2	37.7	61.9	7.2	110.93	32.50	3.68	316.80	204.40	1	0.911	58.32	
	3	37.2	61.1	7.2	110.90	30.00	3.13	316.80	204.97	1	0.907	54.47	
	4	36.7	61.9	7.2	110.91	32.00	3.68	316.80	204.49	1	0.911	56.32	
	5	46.7	72.9	7.2	111.00	36.50	4.31	316.80	322.57	1	0.900	70.53	
	6	45.3	70.7	7.2	110.99	36.10	4.04	316.80	322.95	1	0.904	68.54	
	7	43.3	66.3	7.2	110.94	33.30	4.04	316.80	303.71	1	0.911	64.17	
	8	37.7	61.9	7.2	110.93	32.50	3.68	316.80	204.40	1	0.911	58.32	
	9	37.2	58.1	7.2	110.90	30.00	3.13	316.80	204.97	1	0.907	54.47	
	10	34.9	54.3	7.2	110.87	27.40	3.63	316.80	205.47	1	0.889	49.97	
	11	31.9	52.4	7.2	110.84	24.40	3.43	316.80	205.71	1	0.894	47.56	
	12	32.4	50.5	7.2	110.83	23.30	3.21	316.80	205.94	1	0.897	45.11	
	13	30.0	44.7	7.2	110.82	20.20	1.79	316.80	206.30	1	0.900	42.70	
	14	26.7	44.8	7.2	110.81	18.10	1.64	316.80	206.53	1	0.902	37.41	
	15	27.9	43.9	7.2	110.79	20.30	1.64	316.80	206.77	1	0.908	34.90	
	16	24.5	41.4	7.2	110.78	18.20	1.50	316.80	206.92	1	0.938	32.81	
	17	27.5	42.9	7.2	110.79	20.30	1.64	316.80	206.77	1	0.948	34.90	
	18	27.5	42.9	7.2	110.79	20.30	1.64	316.80	206.77	1	0.948	34.90	
	19	24.5	41.4	7.2	110.78	18.20	1.50	316.80	206.92	1	0.938	32.81	
	20	25.5	36.7	7.2	110.77	16.30	1.17	316.80	207.06	1	0.930	30.73	
	21	24.5	36.2	7.2	110.76	17.30	1.04	316.80	207.20	1	0.916	28.66	
	22	24.5	36.2	7.2	110.76	17.30	1.04	316.80	207.20	1	0.916	28.66	
	23	24.5	36.2	7.2	110.76	17.30	1.04	316.80	207.20	1	0.916	28.66	
	24	28.9	44.7	7.2	111.02	22.70	1.79	316.80	206.40	2	0.970	38.92	
	25	64.8	102.2	7.2	110.19	37.40	11.25	316.80	193.24	2	0.969	95.77	
	26	55.1	120.5	7.2	111.49	38.30	12.35	316.80	184.25	2	0.970	90.00	
	27	181.4	200.8	81.4	112.31	90.00	23.21	316.80	158.96	2	0.986	141.77	
	28	175.2	177.5	63.1	112.16	90.00	23.21	316.80	178.93	2	0.986	141.79	
	29	146.1	201.9	52.1	111.91	90.00	28.31	316.80	176.06	2	0.986	141.86	
	30	111.3	173.7	31.3	111.64	90.00	28.31	316.80	176.23	2	0.986	141.94	
	31	89.6	108.6	7.2	111.21	61.40	13.94	316.80	182.20	2	0.900	107.60	64.64
Nov.	1	75.0	107.8	7.2	111.23	65.90	15.08	316.80	192.69	2	0.909	112.99	
	2	45.7	67.4	7.2	110.94	26.30	3.68	316.80	205.94	2	0.920	68.13	
	3	42.9	63.2	7.2	110.93	24.40	3.41	316.80	206.63	2	0.915	64.67	
	4	41.0	60.5	7.2	110.93	22.30	3.08	316.80	206.11	2	0.912	61.43	
	5	40.7	58.6	7.2	111.11	21.90	2.97	316.80	207.32	2	0.900	59.15	
	6	17.1	27.1	7.2	111.18	10.00	2.81	316.80	207.95	2	0.908	141.80	
	7	11.7	12.2	7.2	111.43	9.00	2.82	316.80	178.25	2	0.906	142.00	
	8	8.4	12.0	7.2	111.33	74.20	26.32	316.80	187.45	2	0.911	127.90	
	9	49.4	71.9	7.2	110.90	42.20	6.00	316.80	201.86	2	0.921	71.05	
	10	41.9	61.9	7.2	110.93	34.70	4.15	316.80	202.86	2	0.911	63.17	
	11	40.0	58.1	7.2	110.91	32.80	3.75	316.80	204.23	2	0.911	58.87	
	12	38.1	57.7	7.2	110.90	31.90	3.54	316.80	204.56	2	0.911	54.24	
	13	40.0	58.1	7.2	110.91	32.80	3.75	316.80	204.23	2	0.911	58.87	
	14	38.1	56.3	7.2	110.89	30.90	3.75	316.80	204.79	2	0.910	54.36	
	16	32.0	47.3	7.2	110.83	24.80	3.14	316.80	205.09	2	0.904	64.39	
	17	31.2	44.0	7.2	110.80	24.00	2.81	316.80	205.18	2	0.879	62.48	
	18	30.3	44.7	7.2	110.81	23.10	2.68	316.80	205.34	2	0.877	60.76	
	19	38.1	56.3	7.2	110.89	30.90	3.75	316.80	204.79	2	0.910	54.36	
	20	108.9	124.3	16.3	111.57	50.00	14.31	316.80	171.20	2	0.906	142.00	
	21	186.0	274.1	94.0	112.19	90.00	28.31	316.80	177.94	2	0.908	141.81	
	22	181.2	262.1	66.7	111.97	90.00	28.31	316.80	177.07	2	0.908	141.86	
	23	91.8	138.5	7.2	111.43	64.40	14.33	316.80	181.45	2	0.902	136.94	
	24	68.3	100.8	7.2	111.19	41.40	13.00	316.80	194.61	2	0.904	105.50	
	25	60.7	88.6	7.2	111.11	31.20	9.87	316.80	197.92	2	0.900	62.35	
	26	51.2	77.0	7.2	111.05	41.00	7.05	316.80	202.92	2	0.903	76.46	
	27	44.6	68.6	7.2	110.97	36.40	4.61	316.80	203.62	2	0.900	70.40	
	28	38.1	57.7	7.2	110.90	31.80	3.54	316.80	204.56	2	0.911	54.24	
	29	33.1	56.2	7.2	110.89	30.90	3.75	316.80	204.79	2	0.908	54.36	
	30	37.2	53.0	7.2	110.84	30.00	3.13	316.80	204.99	2	0.907	54.68	
Dec.	1	37.2	54.3	7.2	110.87	30.00	3.13	316.80	204.99	1	0.907	54.68	62.64
	2	33.7	58.1	7.2	110.90	26.30	2.45	316.80	205.64	1	0.904	47.73	
	3	32.9	64.1	7.2	110.94	25.70	2.30	316.80	205.76	1	0.900	46.11	
	4	32.9	58.1	7.2	110.90	25.70	2.30	316.80	205.80	1	0.900	46.12	
	5	31.2	50.5	7.2	110.85	21.00	2.01	316.80	206.13	1	0.879	42.63	
	6	28.6	44.7	7.2	110.82	21.40	1.98	316.80	206.56	1	0.838	37.28	
	7	27.0	44.8	7.2	110.81	18.10	1.77	316.80	206.83	1	0.844	33.85	
	8	24.5	42.9	7.2	110.79	17.30	1.04	316.80	207.16	1	0.916	28.66	
	9	23.8	41.4	7.2	110.78	16.40	0.86	316.80	207.26	1	0.907	27.22	
	10	26.1	38.7	7.2	110.77	18.90	1.24	316.80	206.98	1	0.934	31.98	
	11	26.1	38.7	7.2	110.77	18.90	1.24	316.80	206.98	1	0.934	31.98	
	12	36.1	38.2	7.2	110.76	18.90	1.14	316.80	206.99	1	0.826	31.98	
	13	25.6	36.2	7.2	110.76	18.20	1.15	316.80	207.07	1	0.904	36.50	
	14	25.6	34.1	7.2	110.76	16.30	1.15	316.80	207.09	1	0.904	30.22	
	15	24.5	36.7	7.2	110.79	17.30	1.04	316.80	207.21	1	0.916	28.66	
	16	23.0	34.7	7.2	110.75	15.05	0.87	316.80	207.36	1	0.797	25.99	
	17	31.4	33.1	7.2	110.74	14.20	0.70	316.80	207.54	0	0.920	0.00	
	18	33.0	33.1	7.2	110.74	15.05	0.87	316.80	207.39	0	0.797	25.99	
	19	24.5	33.1	7.2	110.74	17.30	1.04	316.80	207.22	1	0.916	28.67	
	20	30.3	42.9	7.2	110.79	23.10	1.06	316.80	206.33	1	0.875	40.77	
	21	28.6	44.8	7.2	110.81	21.40	1.39	316.80	206.40	1	0.838	37.28	
	22	27.0	42.9	7.2	110.79	18.90	1.37	316.80	206.84	1	0.844	33.86	
	23	24.5	36.7	7.2	110.73	17.30	1.04	316.80	207.21	1	0.916	28.66	
	24	22.3	33.1	7.2	110.74	15.20	0.76	316.80	207.48	0	0.805	0.00	
	25	21.4	33.5	7.2	110.73	14.20	0.70	316.80	207.57	0	0.920	0.00	
	26	24.6	72.0	7.2	110.72	14.00	0.63	316.80	207.66	0	0.600	0.00	
	27	26.6	30.5	7.2	110.71	13.40	0.63	316.80	207.67	0	0.600	0.00	
	28	27.8	34.1	7.2	110.70	20.00	0.68	316.80	206.78	0	0.851	35.54	
	29	30.3	42.0	7.2	110.91	23.10	1.06	316.80	206.33	1	0.875	40.77	
	30	40.0	75.7	7.2	110.99	37.80	12.73	316.80	204.27	1	0.911	98.85	
	31	81.5	122.5	7.2	111.33	74.10	19.23	316.80	186.43	1	0.911	125.06	33.24

# POWER GENERATION SIMULATION

Year: 1975 Date: 1975.00.00 Run: 1975.00.00 179.30 m Located Capacity: 1410 MW  
 P.L.L. = 119.00 m Max. Plant Discharge: 90.00 cma

Date	Discharge Dom (cma)	Discharge P&I (cma)	R&P or T&I By/Type water level m (cma)	Plant Q level m (cma)	Loss	Flow level	Efficiency Head h Unit sec	Output MW	Model y Ave. MW
Jan 1	121.5	175.7	31.5	111.44	90.0	28.31	179.37	2.088	141.00
2	89.1	142.0	7.2	111.45	91.9	23.35	179.50	2.007	134.12
3	43.5	93.8	7.2	111.14	94.3	11.04	179.50	0.956	97.35
4	44.6	44.3	7.2	110.94	94.4	5.41	179.50	0.820	90.41
5	34.7	34.3	7.2	110.87	97.3	2.63	179.50	0.399	49.77
6	32.0	30.5	7.2	110.83	24.8	2.14	179.50	0.484	44.28
7	40.0	30.7	7.2	110.89	32.8	3.75	179.50	0.911	98.95
8	72.0	101.2	7.2	111.19	64.0	14.82	179.50	2.039	111.44
9	146.5	192.6	74.1	111.49	90.0	28.31	179.50	2.088	141.00
10	112.8	175.4	22.8	111.52	90.0	28.31	179.50	2.088	141.00
11	117.5	197.5	47.5	111.78	90.0	28.31	179.50	2.088	141.00
12	122.5	191.5	32.5	111.74	90.0	28.31	179.50	2.088	141.00
13	89.1	119.6	7.2	111.50	41.9	23.36	179.50	2.007	134.12
14	43.5	114.2	7.2	111.27	94.3	11.04	179.50	0.956	97.35
15	39.0	91.3	7.2	111.12	94.4	5.44	179.50	0.820	90.41
16	44.5	94.7	7.2	111.17	97.3	2.63	179.50	0.399	49.77
17	43.5	122.5	7.2	111.33	70.1	21.34	179.50	2.007	134.12
18	44.4	109.7	7.2	111.31	94.3	11.04	179.50	0.956	97.35
19	34.3	94.3	7.2	111.18	94.4	5.44	179.50	0.820	90.41
20	43.7	83.9	7.2	111.07	94.3	5.44	179.50	0.820	90.41
21	34.4	81.7	7.2	110.94	94.4	5.44	179.50	0.820	90.41
22	31.2	64.3	7.2	110.94	34.0	2.01	179.50	0.430	43.00
23	27.8	36.1	7.2	110.90	24.8	1.48	179.50	0.484	44.28
24	23.4	30.8	7.2	110.85	16.6	0.96	179.50	0.577	54.00
25	21.4	44.3	21.4	110.81	0.0	0.00	179.50	0.000	0.00
26	23.4	43.9	7.2	110.76	16.3	1.15	179.50	0.577	54.00
27	11.2	44.4	7.2	110.83	24.0	2.01	179.50	0.430	43.00
28	67.5	70.7	7.2	110.90	90.1	12.38	179.50	2.007	134.12
29	43.5	94.3	7.2	111.14	94.3	11.04	179.50	0.956	97.35
30	34.1	81.7	7.2	111.04	94.9	7.64	179.50	0.870	90.00
31	43.8	44.5	7.2	110.87	24.6	4.87	179.50	0.928	44.28

Date	Discharge Dom (cma)	Discharge P&I (cma)	R&P or T&I By/Type water level m (cma)	Plant Q level m (cma)	Loss	Flow level	Efficiency Head h Unit sec	Output MW	Model y Ave. MW
Apr 1	108.4	170.8	18.4	111.43	60.0	24.21	179.57	2.088	141.00
2	94.5	150.4	7.2	111.50	66.30	27.77	179.50	2.088	141.00
3	64.8	101.2	7.2	111.19	97.40	11.35	179.50	0.956	97.35
4	60.1	93.8	7.2	111.14	97.50	8.75	179.50	0.880	91.34
5	64.8	101.2	7.2	111.19	97.40	11.35	179.50	0.956	97.35
6	34.3	91.3	7.2	111.12	94.4	5.44	179.50	0.820	90.41
7	33.7	83.9	7.2	111.07	94.50	5.45	179.50	0.820	90.41
8	30.9	79.5	7.2	111.04	94.50	5.45	179.50	0.820	90.41
9	49.5	72.5	7.2	111.03	43.30	4.23	179.50	0.577	54.00
10	44.7	72.9	7.2	111.00	39.30	3.43	179.50	0.500	50.00
11	43.5	64.3	7.2	110.94	33.30	4.34	179.50	0.577	54.00
12	43.5	64.3	7.2	110.94	33.30	4.34	179.50	0.577	54.00
13	41.1	64.1	7.2	110.94	33.30	4.34	179.50	0.577	54.00
14	39.7	61.9	7.2	110.93	33.30	3.68	179.50	0.540	54.00
15	43.5	64.3	7.2	110.94	33.30	4.34	179.50	0.577	54.00
16	43.9	64.3	7.2	110.97	34.70	4.89	179.50	0.577	54.00
17	43.9	64.3	7.2	110.97	34.70	4.89	179.50	0.577	54.00
18	30.7	61.9	7.2	110.93	32.50	3.68	179.50	0.540	54.00
19	34.0	54.2	7.2	110.89	24.00	2.99	179.50	0.523	52.30
20	33.6	52.4	7.2	110.84	24.40	2.43	179.50	0.494	49.40
21	28.9	44.7	7.2	110.82	22.70	1.79	179.50	0.430	43.00
22	24.7	44.8	7.2	110.81	21.20	1.41	179.50	0.430	43.00
23	27.8	43.9	7.2	110.79	23.30	1.64	179.50	0.460	46.00
24	26.7	44.5	7.2	110.81	21.20	1.41	179.50	0.430	43.00
25	29.9	44.7	7.2	110.82	22.70	1.79	179.50	0.430	43.00
26	27.5	42.9	7.2	110.79	26.30	1.44	179.50	0.494	49.40
27	24.5	41.4	7.2	110.78	15.30	1.30	179.50	0.430	43.00
28	24.5	41.4	7.2	110.78	15.30	1.30	179.50	0.430	43.00
29	24.5	41.4	7.2	110.78	15.30	1.30	179.50	0.430	43.00
30	24.7	44.3	7.2	110.81	21.20	1.41	179.50	0.430	43.00

POWER GENERATION SIMULATION

Year: 1973  
 Date: Jan 1  
 P.L.L. = 319.00 m  
 Rated Head: 170.50 m  
 Min. Plant Discharge: 90.00 cuse  
 Installed Capacity: 141.0 MW

Date	Discharge Dm (cuse)	Discharge F/H (cuse)	Spillage Spill (cuse)	Plant Q Level in (cuse)	Level Lm	Effort Head h (cuse)	Effort Unit wt (cuse)	Output MW	Month y Ave. MW	
Jan 1	41.7	63.7	7.2	183.97	34.5	5.18	319.00	202.87	1.000	68.13
2	39.1	61.9	7.2	183.97	31.9	5.54	319.00	204.57	1.001	68.23
3	36.4	60.0	7.2	183.97	29.2	5.97	319.00	205.13	1.002	68.33
4	33.7	58.1	7.2	183.97	26.5	6.39	319.00	205.71	1.003	68.43
5	31.0	56.2	7.2	183.97	23.8	6.79	319.00	206.30	1.004	68.53
6	28.3	54.3	7.2	183.97	21.1	7.19	319.00	206.90	1.005	68.63
7	25.6	52.4	7.2	183.97	18.4	7.59	319.00	207.50	1.006	68.73
8	22.9	50.5	7.2	183.97	15.7	7.99	319.00	208.10	1.007	68.83
9	20.2	48.6	7.2	183.97	13.0	8.39	319.00	208.70	1.008	68.93
10	17.5	46.7	7.2	183.97	10.3	8.79	319.00	209.30	1.009	69.03
11	14.8	44.8	7.2	183.97	7.6	9.19	319.00	209.90	1.010	69.13
12	12.1	42.9	7.2	183.97	4.9	9.59	319.00	210.50	1.011	69.23
13	9.4	41.0	7.2	183.97	2.2	9.99	319.00	211.10	1.012	69.33
14	6.7	39.1	7.2	183.97	-0.5	10.39	319.00	211.70	1.013	69.43
15	4.0	37.2	7.2	183.97	-3.2	10.79	319.00	212.30	1.014	69.53
16	1.3	35.3	7.2	183.97	-5.9	11.19	319.00	212.90	1.015	69.63
17	-1.4	33.4	7.2	183.97	-8.6	11.59	319.00	213.50	1.016	69.73
18	-4.1	31.5	7.2	183.97	-11.3	11.99	319.00	214.10	1.017	69.83
19	-6.8	29.6	7.2	183.97	-14.0	12.39	319.00	214.70	1.018	69.93
20	-9.5	27.7	7.2	183.97	-16.7	12.79	319.00	215.30	1.019	70.03
21	-12.2	25.8	7.2	183.97	-19.4	13.19	319.00	215.90	1.020	70.13
22	-14.9	23.9	7.2	183.97	-22.1	13.59	319.00	216.50	1.021	70.23
23	-17.6	22.0	7.2	183.97	-24.8	13.99	319.00	217.10	1.022	70.33
24	-20.3	20.1	7.2	183.97	-27.5	14.39	319.00	217.70	1.023	70.43
25	-23.0	18.2	7.2	183.97	-30.2	14.79	319.00	218.30	1.024	70.53
26	-25.7	16.3	7.2	183.97	-32.9	15.19	319.00	218.90	1.025	70.63
27	-28.4	14.4	7.2	183.97	-35.6	15.59	319.00	219.50	1.026	70.73
28	-31.1	12.5	7.2	183.97	-38.3	15.99	319.00	220.10	1.027	70.83
29	-33.8	10.6	7.2	183.97	-41.0	16.39	319.00	220.70	1.028	70.93
30	-36.5	8.7	7.2	183.97	-43.7	16.79	319.00	221.30	1.029	71.03
31	-39.2	6.8	7.2	183.97	-46.4	17.19	319.00	221.90	1.030	71.13
Aug 1	30.3	44.6	7.2	180.83	23.1	1.86	319.00	206.31	1.075	70.76
2	29.4	44.7	7.2	180.82	22.2	1.73	319.00	206.44	1.074	70.80
3	29.4	44.7	7.2	180.82	22.3	1.72	319.00	206.44	1.074	70.88
4	28.6	43.6	7.2	180.83	21.4	1.99	319.00	206.57	1.073	71.30
5	27.0	40.5	7.2	180.97	18.8	1.37	319.00	206.44	1.083	70.93
6	140.6	217.2	70.6	132.35	90.0	26.21	319.36	178.70	2.000	141.64
7	343.9	431.7	159.9	133.23	90.0	26.21	319.07	178.63	2.000	141.22
8	321.0	416.2	152.9	133.11	90.0	26.21	319.44	178.54	2.000	141.11
9	310.2	414.5	160.2	133.16	90.0	26.21	319.72	178.33	2.000	141.62
10	317.6	426.7	137.6	133.35	90.0	26.21	320.07	178.47	2.000	141.50
11	346.8	460.7	275.6	133.06	90.0	26.21	319.75	178.44	2.000	141.49
12	374.1	365.7	184.1	133.40	90.0	26.21	318.56	178.75	2.000	141.87
13	333.0	300.0	123.0	132.28	90.0	26.21	319.41	178.82	2.000	141.78
14	186.0	240.5	94.0	132.10	90.0	26.21	319.37	179.02	2.000	141.83
15	181.8	241.1	91.0	132.81	90.0	26.21	319.32	179.11	2.000	141.80
16	176.6	234.8	86.6	131.87	90.0	26.21	319.31	179.17	2.000	141.84
17	134.8	202.6	64.8	131.81	90.0	26.21	319.24	179.22	2.000	141.97
18	141.3	182.6	13.3	131.89	90.0	26.21	319.30	179.29	2.000	142.00
19	113.7	136.3	23.7	131.56	90.0	26.21	319.10	179.33	2.000	142.00
20	106.2	120.0	18.2	131.45	90.0	26.21	319.07	179.39	2.000	142.00
21	96.1	120.3	7.2	131.54	61.8	23.86	319.00	179.29	2.000	142.00
22	14.0	114.2	114.2	131.54	64.8	13.54	319.00	182.19	2.000	131.49
23	67.3	108.6	7.2	131.54	60.1	13.38	319.00	185.18	2.000	102.00
24	98.8	101.3	7.2	131.19	32.4	9.44	319.00	198.18	2.000	90.47
25	56.9	91.3	7.2	131.12	48.7	8.60	319.00	199.27	2.000	85.34
26	55.1	86.3	7.2	131.09	47.9	7.99	319.00	199.82	2.000	81.97
27	51.7	73.1	7.2	131.01	44.1	6.77	319.00	201.21	2.000	74.77
28	44.7	70.7	7.2	130.99	37.5	4.90	319.00	203.12	1.004	67.65
29	38.1	64.7	7.2	130.96	30.9	3.37	319.00	204.77	1.000	56.36
30	34.4	83.8	7.2	131.07	26.2	2.97	319.00	204.36	1.000	53.08
31	31.9	144.9	7.2	131.47	84.7	24.99	319.00	182.51	2.000	108.93
Sep 1	231.8	341.2	111.8	132.45	90.0	26.21	319.66	178.30	2.000	141.70
2	430.1	271.8	230.1	132.00	90.0	26.21	319.84	178.83	2.000	141.80
3	300.2	343.7	330.2	132.40	90.0	26.21	319.41	178.80	2.000	141.71
4	344.7	304.2	154.7	132.30	90.0	26.21	319.49	178.96	2.000	141.82
5	201.4	230.3	111.4	132.06	90.0	26.21	319.38	179.11	2.000	141.81
6	162.6	212.7	72.6	131.84	90.0	26.21	319.37	179.20	2.000	141.86
7	164.2	205.6	34.2	131.81	90.0	26.21	319.21	179.19	2.000	141.94
8	224.8	377.7	154.8	132.44	90.0	26.21	319.64	178.79	2.000	141.70
9	280.1	343.7	101.0	132.40	90.0	26.21	319.57	178.74	2.000	141.68
10	214.2	334.3	134.2	132.42	90.0	26.21	319.41	178.78	2.000	141.69
11	340.3	405.4	47.3	132.67	90.0	26.21	320.11	179.23	2.000	141.98
12	913.4	1304.9	823.4	132.30	90.0	26.21	320.84	178.23	2.000	141.34
13	987.2	1378.9	897.2	134.16	90.0	26.21	320.76	178.32	2.000	141.43
14	928.6	1344.2	814.2	134.11	90.0	26.21	320.62	178.31	2.000	141.39
15	354.9	627.2	264.9	133.20	90.0	26.21	319.89	178.23	2.000	141.37
16	295.0	405.4	205.0	132.87	90.0	26.21	319.80	178.72	2.000	141.66
17	143.4	349.2	124.4	133.51	90.0	26.21	319.44	178.72	2.000	141.66
18	230.9	376.6	186.6	132.58	90.0	26.21	319.47	178.60	2.000	141.81
19	230.6	360.7	140.6	132.60	90.0	26.21	319.43	178.64	2.000	141.81
20	222.4	338.3	122.4	132.51	90.0	26.21	319.43	178.71	2.000	141.65
21	311.3	372.8	221.3	132.54	90.0	26.21	319.44	178.86	2.000	141.65
22	378.7	448.9	248.7	133.83	90.0	26.21	319.78	178.71	2.000	141.79
23	468.1	571.1	378.3	133.06	90.0	26.21	319.84	178.63	2.000	141.61
24	495.2	593.8	405.2	133.12	90.0	26.21	319.99	178.46	2.000	141.62
25	392.1	476.5	305.1	132.87	90.0	26.21	319.81	178.73	2.000	141.64
26	351.4	477.1	281.6	132.74	90.0	26.21	319.72	178.79	2.000	141.69
27	312.7	401.8	222.7	132.99	90.0	26.21	319.63	178.78	2.000	141.70
28	318.3	402.8	218.3	132.99	90.0	26.21	319.63	178.78	2.000	141.70
29	326.6	390.9	326.6	132.82	90.0	26.21	319.67	178.84	2.000	141.73
30	414.3	336.0	324.3	133.01	90.0	26.21	319.84	178.67	2.000	141.80

Date	Discharge Dm (cuse)	Discharge F/H (cuse)	RMP or Tvd Spillage Spill (cuse)	Plant Q Level in (cuse)	Plant Q Level out (cuse)	Time	Barrel Level	Effect Head h (cuse)	Unit Kwh	Output MW	Month y Avg.
Oct.	1	334.9	444.1	434.0	113.25	90.00	28.31	330.04	178.58	2.000	141.57
	2	329.9	439.1	429.0	113.25	90.00	28.31	330.04	177.04	2.001	140.99
	3	324.9	434.0	424.0	113.25	90.00	28.31	330.04	175.50	2.002	140.40
	4	319.9	429.0	419.0	113.25	90.00	28.31	330.04	173.96	2.003	139.81
	5	314.9	424.0	414.0	113.25	90.00	28.31	330.04	172.42	2.004	139.22
	6	309.9	419.0	409.0	113.25	90.00	28.31	330.04	170.88	2.005	138.63
	7	304.9	414.0	404.0	113.25	90.00	28.31	330.04	169.34	2.006	138.04
	8	299.9	409.0	399.0	113.25	90.00	28.31	330.04	167.80	2.007	137.45
	9	294.9	404.0	394.0	113.25	90.00	28.31	330.04	166.26	2.008	136.86
	10	289.9	399.0	389.0	113.25	90.00	28.31	330.04	164.72	2.009	136.27
	11	284.9	394.0	384.0	113.25	90.00	28.31	330.04	163.18	2.010	135.68
	12	279.9	389.0	379.0	113.25	90.00	28.31	330.04	161.64	2.011	135.09
	13	274.9	384.0	374.0	113.25	90.00	28.31	330.04	160.10	2.012	134.50
	14	269.9	379.0	369.0	113.25	90.00	28.31	330.04	158.56	2.013	133.91
	15	264.9	374.0	364.0	113.25	90.00	28.31	330.04	157.02	2.014	133.32
	16	259.9	369.0	359.0	113.25	90.00	28.31	330.04	155.48	2.015	132.73
	17	254.9	364.0	354.0	113.25	90.00	28.31	330.04	153.94	2.016	132.14
	18	249.9	359.0	349.0	113.25	90.00	28.31	330.04	152.40	2.017	131.55
	19	244.9	354.0	344.0	113.25	90.00	28.31	330.04	150.86	2.018	130.96
	20	239.9	349.0	339.0	113.25	90.00	28.31	330.04	149.32	2.019	130.37
	21	234.9	344.0	334.0	113.25	90.00	28.31	330.04	147.78	2.020	129.78
	22	229.9	339.0	329.0	113.25	90.00	28.31	330.04	146.24	2.021	129.19
	23	224.9	334.0	324.0	113.25	90.00	28.31	330.04	144.70	2.022	128.60
	24	219.9	329.0	319.0	113.25	90.00	28.31	330.04	143.16	2.023	128.01
	25	214.9	324.0	314.0	113.25	90.00	28.31	330.04	141.62	2.024	127.42
	26	209.9	319.0	309.0	113.25	90.00	28.31	330.04	140.08	2.025	126.83
	27	204.9	314.0	304.0	113.25	90.00	28.31	330.04	138.54	2.026	126.24
	28	199.9	309.0	299.0	113.25	90.00	28.31	330.04	137.00	2.027	125.65
	29	194.9	304.0	294.0	113.25	90.00	28.31	330.04	135.46	2.028	125.06
	30	189.9	299.0	289.0	113.25	90.00	28.31	330.04	133.92	2.029	124.47
	31	184.9	294.0	284.0	113.25	90.00	28.31	330.04	132.38	2.030	123.88
Nov.	1	91.9	178.9	7.2	111.62	64.78	24.98	319.00	182.39	2.032	136.94
	2	91.9	194.9	7.2	111.54	64.78	24.98	319.00	182.43	2.033	137.01
	3	86.1	147.7	7.2	111.48	64.80	23.36	319.00	184.13	2.037	137.10
	4	86.2	152.6	7.2	111.43	64.80	23.36	319.00	183.81	2.039	136.25
	5	86.1	133.5	7.2	111.40	72.40	18.74	319.00	188.84	2.042	132.92
	6	75.8	126.0	7.2	111.34	68.16	18.78	319.00	191.25	2.044	131.90
	7	68.2	139.9	7.2	111.31	68.16	20.38	319.00	188.66	2.046	130.64
	8	61.7	128.0	7.2	111.36	54.35	16.34	319.00	197.29	2.047	134.01
	9	51.2	104.6	7.2	111.34	46.00	7.77	319.00	200.39	2.049	132.87
	10	48.4	96.7	7.2	111.17	43.20	4.20	319.00	201.63	2.051	130.87
	11	47.5	91.3	7.2	111.12	40.30	3.66	319.00	202.22	2.052	129.87
	12	47.5	86.8	7.2	111.11	36.30	3.64	319.00	202.34	2.053	127.29
	13	45.7	81.1	7.2	111.05	34.30	3.14	319.00	202.78	2.055	126.11
	14	43.8	79.5	7.2	111.04	34.40	4.67	319.00	200.38	2.056	124.34
	15	41.9	75.1	7.2	111.01	34.70	4.49	319.00	200.79	2.058	123.15
	16	41.0	70.7	7.2	110.99	33.80	3.90	319.00	200.84	2.059	121.61
	17	40.0	104.2	7.2	111.22	33.80	3.75	319.00	200.03	2.061	120.77
	18	36.7	139.1	7.2	111.15	26.79	27.99	319.00	199.51	2.069	141.95
	19	74.7	136.3	7.2	111.41	70.30	13.31	319.00	199.28	2.071	139.83
	20	74.9	125.2	7.2	111.34	67.70	13.98	319.00	199.69	2.073	135.90
	21	104.4	136.3	111.41	90.00	28.31	319.00	199.51	2.075	142.00	
	22	97.7	142.0	7.2	111.15	60.00	23.50	319.00	199.54	2.076	142.00
	23	90.0	136.4	7.2	111.10	62.80	23.58	319.00	199.03	2.078	139.04
	24	104.2	209.1	14.2	110.35	90.00	28.31	319.00	198.79	2.079	141.57
	25	180.7	302.2	90.7	112.93	90.00	28.31	319.31	198.18	2.089	141.31
	26	244.7	476.5	194.7	112.97	90.00	28.31	319.46	198.41	2.099	141.46
	27	202.6	440.8	123.6	112.47	90.00	28.31	319.36	198.70	2.099	141.64
	28	190.3	376.7	109.3	112.18	90.00	28.31	319.35	198.94	2.098	141.81
	29	188.5	231.4	78.5	111.94	90.00	28.31	319.38	199.12	2.098	141.91
	30	174.6	244.5	84.6	112.02	90.00	28.31	319.31	199.07	2.098	141.88
Dec.	1	180.7	254.1	90.7	112.07	90.00	28.31	319.32	199.04	2.098	141.86
	2	202.6	409.0	113.4	112.48	90.00	28.31	319.36	198.49	2.099	141.51
	3	274.1	477.4	161.2	113.02	90.00	28.31	319.54	197.53	2.099	141.53
	4	240.1	422.5	130.1	112.79	90.00	28.31	319.57	197.63	2.099	141.80
	5	296.5	549.9	204.3	113.07	90.00	28.31	319.61	197.53	2.099	141.41
	6	319.7	641.1	238.7	113.33	90.00	28.31	319.64	197.20	2.099	141.23
	7	410.1	722.4	320.1	113.34	90.00	28.31	319.64	196.28	2.099	141.57
	8	435.5	611.7	345.5	113.23	90.00	28.31	319.68	196.45	2.099	141.48
	9	423.0	603.8	339.0	113.15	90.00	28.31	319.64	196.51	2.099	141.32
	10	326.8	701.4	430.8	113.31	90.00	28.31	320.23	196.52	2.099	141.52
	11	417.9	811.4	547.9	113.10	90.00	28.31	319.82	196.02	2.099	141.59
	12	406.5	532.1	313.6	113.04	90.00	28.31	319.83	196.54	2.099	141.54
	13	354.8	1568.9	645.9	113.99	90.00	28.31	320.09	197.99	2.099	141.19
	14	406.3	661.9	396.3	113.41	90.00	28.31	319.87	197.16	2.099	141.30
	15	359.0	640.9	254.9	113.34	90.00	28.31	319.74	196.62	2.099	141.39
	16	318.7	445.1	229.7	113.34	90.00	28.31	319.64	196.62	2.099	141.36
	17	282.4	398.2	202.4	113.45	90.00	28.31	319.60	196.74	2.099	141.67
	18	248.2	377.4	178.3	113.40	90.00	28.31	319.54	196.94	2.099	141.79
	19	248.2	330.6	178.2	112.77	90.00	28.31	319.50	196.82	2.099	141.78
	20	236.5	320.6	144.5	113.37	90.00	28.31	319.47	196.86	2.099	141.76
	21	234.2	310.3	144.2	112.33	90.00	28.31	319.46	196.83	2.098	141.79
	22	214.2	286.5	130.2	112.22	90.00	28.31	319.41	196.88	2.098	141.82
	23	230.6	314.3	160.6	112.42	90.00	28.31	319.30	196.87	2.098	141.75
	24	231.8	213.7	141.8	112.34	90.00	28.31	319.30	196.95	2.098	141.81
	25	196.1	380.7	108.1	112.34	90.00	28.31	319.37	196.93	2.098	141.92
	26	183.0	336.4	95.0	111.97	90.00	28.31	319.33	197.15	2.098	141.93
	27	192.4	341.1	101.4	112.01	90.00	28.31	319.35	197.14	2.098	141.92
	28	201.4	378.3	111.4	112.01	90.00	28.31	319.34	196.62	2.098	141.92
	29	194.7	377.5	104.7	112.16	90.00	28.31	319.34	196.79	2.098	141.82
	30	194.7	318.8	44.7	111.99	90.00	28.31	319.17	197.07	2.098	141.88
	31	107.2	147.8	12.3	111.61	90.00	28.31	319.04	197.34	2.098	141.88

## POWER GENERATION SIMULATION

Year: 1976

Data Ach B  
P.S.L. = 18000 mReal Head : 179.30 m  
Min. Plant Discharge : 90.00 cms

Installed Capacity : 142.0 MW

Date	Discharge (cum)	Discharge P.H. (cms)	RMP or Tail Spillage water level m (cms)	Plant Q (cms)	Loss	Raw head	Effect Head & Unit kw	Efficiency	Output MW	Month y A/c. MW	
Jan. 1	110.9	153.4	20.9	111.53	90.0	28.31	319.08	179.35	2	0.998	142.00
2	102.3	147.7	13.3	111.43	90.0	28.31	319.04	179.34	2	0.998	142.00
3	83.4	136.3	7.2	111.41	74.2	20.32	319.00	187.34	2	0.911	137.44
4	87.3	139.3	7.2	111.40	80.0	22.39	319.00	183.31	2	0.909	132.92
5	104.3	142.0	14.7	111.41	90.0	28.31	319.04	179.34	2	0.998	142.00
6	102.4	136.3	10.4	111.41	90.0	28.31	319.32	179.40	2	0.998	142.00
7	108.1	147.7	18.1	111.40	90.0	28.31	319.06	179.37	2	0.998	142.00
8	129.7	202.6	69.7	111.31	90.0	28.31	319.34	179.34	2	0.998	141.98
9	185.0	277.4	150.0	110.94	90.0	28.31	319.33	179.28	2	0.998	141.99
10	183.7	268.7	143.7	110.94	90.0	28.31	319.17	179.13	2	0.998	141.91
11	181.8	267.0	141.8	112.13	90.0	28.31	319.32	179.36	2	0.998	141.92
12	312.1	401.8	302.1	112.64	90.0	28.31	319.64	179.61	2	0.999	141.71
13	304.3	372.1	272.1	112.08	90.0	28.31	320.01	179.71	2	0.999	141.65
14	483.3	544.9	393.3	113.07	90.0	28.31	319.97	179.69	2	0.999	141.64
15	399.8	495.6	329.8	112.92	90.0	28.31	319.92	179.69	2	0.999	141.64
16	347.4	448.9	283.4	112.83	90.0	28.31	319.71	179.45	2	0.998	141.61
17	349.4	383.7	179.4	112.80	90.0	28.31	319.53	179.73	2	0.999	141.64
18	180.2	267.0	142.2	112.13	90.0	28.31	319.34	179.20	2	0.998	141.83
19	184.8	288.1	144.8	111.94	90.0	28.31	319.24	179.09	2	0.998	141.89
20	140.2	212.7	112.7	111.86	90.0	28.31	319.30	179.13	2	0.998	141.93
21	136.6	202.6	102.6	111.79	90.0	28.31	319.18	179.10	2	0.998	141.93
22	129.9	211.8	101.8	111.80	90.0	28.31	319.15	179.05	2	0.998	141.97
23	119.9	182.6	20.9	111.89	90.0	28.31	319.06	179.17	2	0.998	141.94
24	103.3	142.0	12.3	111.57	90.0	28.31	319.03	179.33	2	0.998	141.99
25	94.6	127.7	8.6	111.64	90.0	28.31	319.01	179.16	2	0.998	141.94
26	180.0	260.3	180.0	112.10	90.0	28.31	319.33	179.91	2	0.998	141.76
27	178.7	401.8	60.7	112.64	90.0	28.31	319.31	179.44	2	0.998	141.68
28	177.7	317.2	177.7	112.53	90.0	28.31	319.31	179.73	2	0.999	141.67
29	186.5	277.5	177.5	112.14	90.0	28.31	319.38	179.91	2	0.998	141.78
30	145.1	221.9	151.1	111.91	90.0	28.31	319.21	179.09	2	0.998	141.89
31	112.8	126.7	22.8	111.64	90.0	28.31	319.06	179.22	2	0.978	141.97
95.71											
Feb. 1	92.9	136.1	7.2	111.59	83.7	23.38	319.00	181.57	2	0.932	136.00
2	128.0	202.6	96.0	111.81	90.0	28.31	319.13	179.13	2	0.998	141.92
3	139.4	194.4	49.4	111.79	90.0	28.31	319.19	179.22	2	0.998	141.97
4	121.3	198.1	11.3	111.53	90.0	28.31	319.12	179.34	2	0.998	142.00
5	90.9	136.1	7.2	111.43	83.7	24.40	319.00	183.17	2	0.906	136.05
6	74.0	130.7	7.2	111.38	68.8	15.54	319.00	182.08	2	0.870	114.43
7	64.5	133.3	7.2	111.40	37.3	11.45	319.00	184.17	2	0.898	98.95
8	44.6	118.7	7.2	111.31	38.4	5.41	319.00	202.28	2	0.900	70.31
9	34.1	98.7	7.2	111.17	44.9	7.66	319.00	202.17	2	0.870	90.05
10	31.3	101.2	7.2	111.19	44.1	6.77	319.00	201.04	2	0.870	74.85
11	46.6	114.9	7.2	111.14	39.4	5.41	319.00	202.45	1	0.890	70.96
12	44.7	81.7	7.2	111.86	37.3	4.80	319.00	225.04	1	0.904	67.03
13	36.1	77.3	7.2	111.03	36.9	3.73	319.00	204.64	1	0.890	54.34
14	36.1	72.1	7.2	111.81	36.9	3.73	319.00	204.64	1	0.890	56.35
15	36.1	91.3	7.2	111.12	36.9	3.73	319.00	204.55	1	0.900	56.31
16	36.1	70.7	7.2	110.99	36.9	3.73	319.00	204.69	1	0.900	56.36
17	36.1	72.9	7.2	111.00	36.9	3.73	319.00	204.67	1	0.900	56.35
18	42.8	77.3	7.2	111.03	31.6	4.41	319.00	202.54	1	0.910	64.64
19	38.1	91.3	7.2	111.12	31.6	3.64	319.00	198.24	2	0.880	90.91
20	41.7	106.3	7.2	111.22	34.5	10.34	319.00	197.43	2	0.902	94.09
21	71.0	108.6	7.2	111.24	54.8	13.08	319.00	192.48	2	0.900	123.96
22	99.1	130.7	7.2	111.38	81.9	23.36	319.00	184.28	2	0.907	134.17
23	67.3	114.9	7.2	111.29	68.1	12.98	319.00	195.13	2	0.920	103.77
24	70.1	102.7	7.2	111.21	72.9	13.02	319.00	192.67	2	0.907	108.43
25	96.7	119.7	7.2	111.31	88.5	27.90	319.00	179.79	2	0.909	141.70
26	82.4	108.6	7.2	111.24	75.3	19.40	319.00	188.07	2	0.911	136.29
27	61.7	131.4	7.2	111.32	54.5	10.34	319.00	197.14	2	0.902	92.82
28	30.4	130.7	7.2	111.38	43.2	6.90	319.00	201.12	2	0.913	72.82
29	60.4	106.3	7.2	111.22	51.2	9.84	319.00	197.92	2	0.880	91.75
94.71											
Mar. 1	40.7	84.3	7.2	111.09	31.5	8.97	319.00	197.94	2	0.880	92.36
2	34.9	84.3	7.2	111.09	48.7	8.60	319.00	199.31	2	0.879	83.36
3	34.0	96.3	7.2	111.16	48.8	8.29	319.00	199.55	2	0.876	83.64
4	126.2	276.7	34.2	112.10	90.0	28.31	319.13	179.74	2	0.999	141.67
5	238.9	387.3	148.9	112.41	90.0	28.31	319.47	179.63	2	0.999	141.61
6	362.7	449.1	272.7	112.90	90.0	28.31	319.74	179.73	2	0.999	141.64
7	264.7	405.4	164.7	112.67	90.0	28.31	319.73	179.43	2	0.999	141.61
8	204.8	289.7	114.8	112.34	90.0	28.31	319.39	179.34	2	0.998	141.80
9	177.8	334.1	47.8	112.07	90.0	28.31	319.25	179.97	2	0.998	141.81
10	109.0	183.3	18.0	111.71	90.0	28.31	319.07	179.15	2	0.998	141.93
11	177.7	277.3	87.7	112.09	90.0	28.31	319.31	179.91	2	0.998	141.84
12	109.9	197.5	18.9	111.79	90.0	28.31	319.07	179.04	2	0.998	141.90
13	114.7	162.0	24.7	111.57	90.0	28.31	319.08	179.31	2	0.998	142.00
14	109.9	164.9	18.9	111.79	90.0	28.31	319.07	179.27	2	0.998	142.00
15	118.7	156.3	26.7	111.34	90.0	28.31	319.10	179.51	2	0.998	142.00
16	189.4	142.0	28.4	111.37	90.0	28.31	319.11	179.33	2	0.998	142.00
17	124.2	156.3	34.2	111.34	90.0	28.31	319.13	179.39	2	0.998	142.00
18	149.0	186.3	19.0	111.71	90.0	28.31	319.07	179.13	2	0.998	141.92
19	178.7	250.8	88.7	112.06	90.0	28.31	319.32	179.95	2	0.998	141.87
20	154.8	228.1	64.8	111.94	90.0	28.31	319.34	179.09	2	0.998	141.89
21	178.7	296.6	86.7	112.27	90.0	28.31	319.32	179.84	2	0.999	141.73
22	150.9	305.4	60.9	112.30	90.0	28.31	319.33	179.72	2	0.999	141.66
23	103.4	231.4	30.4	111.96	90.0	28.31	319.12	179.95	2	0.998	141.80
24	103.3	182.6	13.3	111.49	90.0	28.31	319.04	179.14	2	0.998	141.92
25	96.7	156.3	7.2	111.34	88.5	27.90	319.00	179.79	2	0.909	141.56
26	86.1	144.9	7.2	111.47	81.9	23.36	319.00	184.17	2	0.901	139.11
27	94.6	150.4	7.2	111.90	87.4	24.79	319.00	180.77	2	0.901	139.96
28	114.7	170.8	24.7	111.62	90.0	28.31	319.08	179.24	2	0.998	142.00
29	99.3	140.0	9.3	111.57	90.0	28.31	319.05	179.23	2	0.998	141.98
30	77.7	136.3	7.2	111.41	70.5	17.31	319.00	180.38	2	0.911	139.82
31	71.1	119.7	7.2	111.31	63.9	14.22	319.00	193.47	2	0.908	109.97
134.49											

Date	Discharge (cuse)	Discharge PH (cuse)	RMP or Tail Spillage level in (cuse)	Plant Q (cuse)	Loss	Raw head	Effect Head & Unit kw	Efficiency	Output MW	Month y A/c.	
Apr. 1	64.4	108.6	7.2	111.34	38.30	13.33	319.00	195.34	2	0.903	90.29
2	40.7	101.2	7.2	111.19	33.30	8.97	319.00	197.94	2	0.880	92.31
3	34.9	96.3	7.2	111.14	47.90	7.99	319.00	199.87	2	0.873	81.85
4	33.2	93.9	7.2	111.11	44.00	7.57	319.00	200.32	2	0.867	78.34
5	52.7	85.3	7.2	111.09	43.00	7.05	319.00	200.84	2	0.863	76.43
6	43.4	111.4	7.2	111.36	34.30	11.80	319.00	193.95	2	0.900	100.57
7	71.1	128.7	7.2	111.31	63.90	14.22	319.00	193.47	2	0.908	108.97
8	73.3	126.6	7.2	111.34	60.30	12.96	319.00	195.16	2	0.902	103.80
9	62.5	96.3	7.2	111.14	33.30	10.65	319.00	197.19	2	0.879	95.53
10	59.8	130.6	7.2	111.39	34.30	6.64	319.00	197.86	2	0.887	90.50
11	58.8	139.6	7.2	111.67	31.60	9.27	319.00	198.03	2	0.884	90.38
12	79.8	147.7	7.2	111.48	36.00	8.82	319.00	198.40	2	0.882	94.67
13	55.1	132.3	7.2	111.33	47.80	7.88	319.00	199.44	2	0.875	91.86
14	53.1	111.4	7.2	111.34	44.30	6.77	319.00	200.97	2	0.879	74.64
15	46.6	101.3	7.2	111.19	38.40	5.41	319.00	202.40	1	0.900	70.34
16	43.8	96.3	7.2	111.16	34.60	4.67	319.00	203.18	1	0.898	68.21
17	43.8	88.0	7.2	111.11	34.60	4.67	319.00	203.23	1	0.898	66.13
18	42.8	83.9	7.2	111.07	33.60	4.41	319.00	203.51	1	0.890	64.02
19	41.0	81.7	7.2	111.04	33.00	3.98	319.00	203.86	1	0.893	61.95
20	38.1	77.3	7.2	111.03	31.90	3.54	319.00	204.43	1	0.911	58.20
21	41.0	75.1	7.2	111.01	33.00	3.98	319.00	204.81	1	0.912	61.40
22	38.1	70.7	7.2	110.99	31.90	3.54	319.00	204.47	1	0.911	58.21
23	35.5	66.3	7.2	110.96	28.30	2.79	319.00	205.26	1	0.902	31.34
24	33.7	64.1	7.2	110.94	24.30	2.43	319.00	205.41	1	0.899	47.74
25	33.7	61.9	7.2	110.93	24.30	2.43	319.00	205.63	1	0.894	47.74
26	32.0	58.1	7.2	110.90	24.30	2.14	319.00	205.84	1	0.884	44.27
27	31.2	56.2	7.2	110.88	24.00	2.81	319.00	206.11	1	0.879	42.40
28	27.8	54.3	7.2	110.87	20.00	1.68	319.00	206.63	1	0.851	33.51
29	26.1	52.5	7.2	110.87	18.90	1.24	319.00	206.86	1	0.834	31.94
30	23.9	52.4	7.2	110.86	14.40	0.86	319.00	207.18	1	0.807	27.23
May 1	34.7	54.3	7.2	110.87	27.30	2.63	319.00	205.49	1	0.899	45.77
2	31.2	54.3	7.2	110.87	24.00	2.81	319.00	206.12	1	0.879	42.40
3	28.4	52.4	7.2	110.86	22.30	1.72	319.00	206.43	1	0.846	38.87
4	28.4	50.3	7.2	110.83	22.30	1.72	319.00	206.44	1	0.846	36.97
5	28.6	50.7	7.2	110.83	21.40	1.59	319.00	206.56	1	0.839	37.20
6	28.6	48.6	7.2	110.83	21.40	1.59	319.00	206.57	1	0.839	37.20
7	27.8	46.4	7.2	110.82	20.40	1.48	319.00	206.69	1	0.831	35.02
8	27.8	46.4	7.2	110.83	20.40	1.48	319.00	206.69	1	0.831	35.02
9	27.8	48.6	7.2	110.83	20.00	1.43	319.00	206.89	1	0.831	35.32
10	31.2	54.2	7.2	110.89	24.00	2.01	319.00	206.11	1	0.879	42.40
11	114.7	166.2	24.7	111.32	90.00	26.21	318.89	179.64	2	0.888	142.00
12	94.6	150.6	6.6	111.90	90.00	24.21	319.01	179.30	2	0.898	142.00
13	39.0	105.7	7.2	111.21	32.60	9.64	319.00	198.16	2	0.888	90.46
14	91.9	114.2	7.2	111.27	84.70	24.89	319.00	182.74	2	0.884	137.18
15	110.9	136.3	26.9	111.54	90.00	26.21	318.98	179.33	2	0.898	142.00
16	142.3	152.6	33.3	111.69	90.00	26.21	319.20	179.30	2	0.898	142.00
17	99.3	156.3	9.5	111.54	90.00	26.21	319.22	179.27	2	0.898	142.00
18	70.1	120.7	7.2	111.31	62.00	13.78	319.00	193.91	2	0.907	106.37
19	57.8	96.7	7.2	111.17	36.00	8.82	319.00	198.81	2	0.882	87.00
20	53.2	91.3	7.2	111.12	44.00	7.57	319.00	200.51	2	0.867	78.34
21	50.8	86.3	7.2	111.09	41.00	6.27	319.00	201.64	2	0.865	84.88
22	61.7	81.9	7.2	111.07	44.50	7.54	319.00	202.53	2	0.871	94.77
23	93.8	96.7	7.2	111.17	64.60	14.10	319.00	181.71	2	0.902	139.12
24	48.3	104.2	7.2	111.22	31.10	11.00	319.00	194.78	2	0.904	105.48
25	63.3	128.7	7.2	111.31	78.30	21.34	319.00	186.53	2	0.930	129.92
26	119.1	164.9	29.4	111.90	90.00	26.21	319.11	179.31	2	0.898	142.00
27	230.6	344.8	140.6	112.44	90.00	26.21	318.45	178.78	2	0.899	141.89
28	400.7	659.6	400.7	113.37	90.00	26.21	318.86	178.21	2	0.899	141.53
29	587.3	1747.7	497.3	114.36	90.00	26.21	320.15	177.53	2	0.900	140.91
30	612.0	980.3	522.0	113.71	90.00	14.21	320.19	178.27	2	0.902	141.57
31	429.3	688.0	398.5	112.29	90.00	26.21	318.87	178.27	2	0.899	141.43
Jun. 1	346.1	684.1	374.1	112.99	90.00	26.21	319.73	178.63	2	0.899	141.61
2	331.6	477.1	241.6	112.74	90.00	26.21	319.72	178.78	2	0.899	141.69
3	277.7	346.0	187.7	112.47	90.00	26.21	319.54	178.34	2	0.898	141.74
4	242.4	213.7	150.4	112.34	90.00	26.21	319.48	178.93	2	0.898	141.79
5	316.9	577.7	226.9	112.99	90.00	26.21	319.63	178.43	2	0.899	141.68
6	472.8	1184.9	742.8	114.00	90.00	26.21	319.95	177.74	2	0.900	141.03
7	399.6	683.3	398.6	112.23	90.00	26.21	319.80	178.34	2	0.899	141.61
8	288.6	420.8	198.6	112.73	90.00	26.21	318.99	178.63	2	0.899	141.90
9	241.2	341.9	152.2	112.53	90.00	26.21	319.48	178.74	2	0.899	141.67
10	204.8	398.2	114.8	112.65	90.00	26.21	319.39	178.33	2	0.899	141.23
11	221.2	354.6	131.2	112.05	90.00	26.21	319.43	178.17	2	0.899	141.30
12	279.8	482.3	182.4	112.94	90.00	26.21	319.57	178.64	2	0.899	141.49
13	272.4	428.3	178.2	112.72	90.00	26.21	319.43	178.23	2	0.899	141.43
14	204.8	412.6	144.6	112.90	90.00	26.21	319.39	178.48	2	0.899	141.30
15	167.6	390.9	97.6	112.62	90.00	26.21	319.28	178.43	2	0.899	141.68
16	162.6	317.2	72.6	112.33	90.00	26.21	319.27	178.30	2	0.899	141.64
17	128.9	263.8	34.8	112.12	90.00	26.21	319.13	178.82	2	0.899	141.72
18	111.6	231.6	11.8	111.96	90.00	26.21	319.06	178.91	2	0.899	141.78
19	106.2	194.4	16.3	111.76	90.00	26.21	319.05	179.08	2	0.898	141.89
20	102.3	188.5	12.3	111.73	90.00	26.21	319.63	179.10	2	0.899	141.90
21	100.4	179.6	10.4	111.67	90.00	26.21	319.62	179.14	2	0.898	141.92
22	94.8	170.8	7.2	111.62	87.60	24.73	319.00	180.45	2	0.901	139.78
23	84.2	156.3	7.2	111.54	81.00	22.85	319.00	184.61	2	0.908	137.07
24	81.5	147.7	7.2	111.48	74.30	19.25	319.00	188.29	2	0.911	124.96
25	78.6	142.0	7.2	111.45	72.40	18.36	319.00	189.29	2	0.912	122.44
26	74.7	138.0	7.2	111.36	69.30	16.62	319.00	190.82	2	0.911	118.43
27	74.0	128.2	7.2	111.32	66.80	15.94	319.00	192.12	2	0.910	114.44
28	80.6	128.0	7.2	111.34	74.80	18.76	319.00	187.85	2	0.912	123.85
29	74.0	114.2	7.2	111.27	64.00	15.90	319.00	182.19	2	0.910	114.49
30	66.3	114.2	7.2	111.27	62.00	13.99	319.00	184.34	2	0.906	106.93

# POWER GENERATION SIMULATION

Year: 1976

Date Arls B  
F.L.L. - 319.00 m

Wind Head : 179.30 m  
Max. Plant Discharge : 50.00 cum

Installed Capacity : 143.0 MW

		Discharge (Cum Sec)	Discharge P.H. (Cum Sec)	RMP or Tail Spillage water (Cum Sec)	Tail Level (m)	Plant Q (Cum Sec)	Flow Level	Flow Level	Effect Head h	Efficiency Unit m	Output MW	Month y Ave. MW
Jul	1	44.5	111.4	7.3	111.26	57.3	11.43	319.00	196.31	2	0.885	99.01
	2	54.8	106.2	7.3	111.22	51.6	9.77	319.00	196.31	2	0.885	68.82
	3	60.7	106.0	7.3	111.34	53.5	9.97	319.00	197.79	2	0.880	92.38
	4	64.4	119.7	7.3	111.31	59.2	12.31	319.00	195.49	2	0.902	102.34
	5	68.3	116.9	7.3	111.29	61.1	13.00	319.00	194.71	2	0.904	109.44
	6	62.7	106.2	7.3	111.22	53.5	9.97	319.00	197.81	2	0.880	92.39
	7	56.9	101.2	7.3	111.19	48.8	8.59	319.00	198.52	2	0.876	83.41
	8	54.1	105.7	7.3	111.21	48.9	7.84	319.00	200.12	2	0.870	80.02
	9	77.7	102.3	7.3	111.40	70.5	11.31	319.00	193.29	2	0.911	109.43
	10	74.0	120.2	7.3	111.34	66.0	13.54	319.00	183.10	2	0.910	144.41
	11	29.8	114.2	7.3	111.27	31.4	6.64	319.00	196.09	2	0.846	90.43
	12	54.1	106.6	7.3	111.34	48.9	7.84	319.00	200.10	2	0.870	80.02
	13	54.9	106.2	7.3	111.33	48.7	8.40	319.00	199.18	2	0.878	81.39
	14	73.0	114.2	7.3	111.27	61.6	11.60	319.00	192.45	2	0.908	112.96
	15	69.2	114.9	7.3	111.29	62.0	13.39	319.00	194.32	2	0.904	108.82
	16	64.4	106.2	7.3	111.22	59.2	12.31	319.00	195.57	2	0.902	102.39
	17	60.7	96.7	7.2	111.17	53.5	9.97	319.00	197.86	2	0.880	92.32
	18	58.8	93.6	7.2	111.14	51.4	9.37	319.00	198.59	2	0.883	88.86
	19	44.6	86.3	7.3	111.09	38.4	5.41	319.00	202.20	2	0.800	70.77
	20	78.1	85.9	7.2	111.07	71.9	3.54	319.00	204.36	2	0.911	56.39
	21	86.4	85.9	7.2	111.07	43.2	4.59	319.00	201.43	2	0.836	73.96
	22	44.6	81.7	7.3	111.06	38.4	5.41	319.00	202.31	2	0.800	70.78
	23	64.7	81.7	7.3	111.06	38.4	4.90	319.00	202.04	2	0.804	67.40
	24	42.6	77.3	7.3	111.02	35.6	4.41	319.00	203.54	2	0.810	64.44
	25	41.0	75.1	7.2	111.01	31.6	3.98	319.00	204.01	2	0.812	61.40
	26	74.9	106.2	7.2	111.22	67.7	11.60	319.00	191.82	2	0.911	113.67
	27	267.0	476.5	177.0	123.27	90.0	28.21	319.54	178.44	2	0.889	141.49
	28	211.9	419.9	121.9	122.72	90.0	28.21	319.41	178.44	2	0.889	141.30
	29	199.2	379.4	109.2	122.56	90.0	28.21	319.31	178.44	2	0.889	141.57
	30	176.7	341.2	86.7	122.45	90.0	28.21	319.31	178.44	2	0.888	141.61
	31	230.4	381.7	140.4	122.45	90.0	28.21	319.45	178.44	2	0.892	141.41
Aug	1	211.9	369.2	121.9	122.55	90.0	28.21	319.41	178.44	2	0.889	141.61
	2	306.0	327.4	154.0	122.40	90.0	28.21	319.39	178.78	2	0.889	141.70
	3	190.3	347.0	100.3	122.13	90.0	28.21	319.35	179.00	2	0.886	141.84
	4	190.3	234.4	100.3	121.97	90.0	28.21	319.35	179.16	2	0.886	141.94
	5	341.2	306.9	151.2	122.31	90.0	28.21	319.44	178.94	2	0.886	141.81
	6	318.3	315.3	228.3	122.96	90.0	28.21	319.45	178.44	2	0.889	141.50
	7	309.9	499.4	219.9	122.95	90.0	28.21	319.43	178.50	2	0.889	141.51
	8	386.4	376.3	186.4	122.31	90.0	28.21	319.39	178.47	2	0.889	141.73
	9	401.1	511.1	311.1	122.95	90.0	28.21	319.42	178.44	2	0.889	141.81
	10	670.7	986.4	580.7	123.73	90.0	28.21	320.28	178.34	2	0.889	141.41
	11	399.9	960.9	489.9	123.37	90.0	28.21	320.19	178.52	2	0.889	141.60
	12	462.4	621.8	372.4	123.18	90.0	28.21	319.93	178.55	2	0.889	141.54
	13	318.8	499.4	229.9	122.95	90.0	28.21	319.45	178.51	2	0.889	141.52
	14	260.0	452.5	190.0	122.75	90.0	28.21	319.52	178.59	2	0.889	141.57
	15	311.9	305.4	121.9	122.30	90.0	28.21	319.41	178.50	2	0.886	141.77
	16	181.8	347.0	91.8	122.13	90.0	28.21	319.32	178.96	2	0.886	141.82
	17	142.3	201.9	52.3	121.91	90.0	28.21	319.20	179.06	2	0.886	141.89
	18	144.2	215.8	54.3	121.84	90.0	28.21	319.21	179.12	2	0.886	141.91
	19	311.9	280.7	121.9	122.34	90.0	28.21	319.41	178.94	2	0.886	141.81
	20	209.3	310.2	120.3	122.33	90.0	28.21	319.40	178.84	2	0.889	141.75
	21	168.3	242.5	78.5	122.12	90.0	28.21	319.38	178.94	2	0.886	141.81
	22	147.1	221.9	57.1	121.91	90.0	28.21	319.22	179.10	2	0.886	141.90
	23	125.2	202.9	35.2	121.78	90.0	28.21	319.14	179.17	2	0.886	141.82
	24	107.2	182.4	17.2	121.69	90.0	28.21	319.04	179.16	2	0.886	141.91
	25	102.5	167.8	13.2	121.61	90.0	28.21	319.05	179.23	2	0.886	141.94
	26	103.3	154.3	13.3	121.54	90.0	28.21	319.04	179.29	2	0.886	142.00
	27	78.4	144.9	7.2	121.47	72.4	18.26	319.00	180.32	2	0.912	122.61
	28	54.9	137.5	7.2	121.40	47.7	6.40	319.00	180.00	2	0.879	85.31
	29	54.0	130.7	7.2	121.34	48.8	6.29	319.00	180.33	2	0.876	83.53
	30	98.8	114.2	7.2	121.27	52.6	6.64	319.00	180.09	2	0.846	90.43
	31	74.9	106.2	7.2	121.22	57.7	7.84	319.00	191.82	2	0.911	113.67
Sep	1	43.4	108.4	7.3	121.24	58.3	11.80	319.00	191.87	2	0.890	100.54
	2	43.4	106.2	7.3	121.22	58.2	11.80	319.00	195.94	2	0.890	100.99
	3	40.7	96.7	7.2	121.17	53.5	9.97	319.00	197.44	2	0.890	92.32
	4	74.7	114.2	7.2	121.27	69.5	15.62	319.00	180.90	2	0.911	118.44
	5	117.4	170.8	27.6	121.42	90.0	28.21	319.11	179.27	2	0.886	142.00
	6	182.8	270.3	90.3	122.15	90.0	28.21	319.33	178.97	2	0.886	141.81
	7	256.5	405.4	148.9	122.47	90.0	28.21	319.52	178.43	2	0.889	141.60
	8	333.5	521.8	245.5	123.00	90.0	28.21	319.44	178.44	2	0.889	141.30
	9	312.7	495.6	222.7	122.92	90.0	28.21	319.44	178.31	2	0.889	141.32
	10	347.1	414.3	177.1	122.70	90.0	28.21	319.44	178.58	2	0.886	141.34
	11	214.2	377.7	124.2	122.44	90.0	28.21	319.41	178.77	2	0.889	141.44
	12	162.8	254.1	72.6	122.07	90.0	28.21	319.27	178.99	2	0.886	141.82
	13	148.0	224.8	50.8	121.92	90.0	28.21	319.22	179.04	2	0.886	141.90
	14	126.2	215.9	34.3	121.80	90.0	28.21	319.24	179.05	2	0.886	141.97
	15	116.7	191.5	24.7	121.74	90.0	28.21	319.10	179.15	2	0.886	141.99
	16	104.3	177.7	16.3	121.64	90.0	28.21	319.04	179.18	2	0.886	141.94
	17	103.4	162.0	10.4	121.57	90.0	28.21	319.02	179.24	2	0.886	141.99
	18	94.8	121.4	7.2	121.53	87.6	26.73	319.00	180.76	2	0.901	109.43
	19	84.2	115.5	7.2	121.40	81.0	23.85	319.00	184.75	2	0.908	113.16
	20	80.4	121.5	7.2	121.33	71.4	18.78	319.00	188.91	2	0.912	123.87
	21	80.2	119.7	7.2	121.31	62.6	13.99	319.00	194.30	2	0.906	104.91
	22	67.3	116.9	7.2	121.29	60.1	12.58	319.00	191.13	2	0.903	103.77
	23	64.4	106.2	7.2	121.22	55.2	12.31	319.00	195.77	2	0.902	102.29
	24	64.5	107.7	7.2	121.21	57.3	11.43	319.00	196.54	2	0.898	99.04
	25	63.5	96.7	7.2	121.17	56.3	11.04	319.00	196.79	2	0.896	97.21
	26	61.7	96.7	7.2	121.17	54.5	10.34	319.00	197.63	2	0.892	94.12
	27	54.9	94.3	7.2	121.14	49.7	8.40	319.00	198.34	2	0.879	85.33
	28	53.1	93.8	7.2	121.14	47.8	7.89	319.00	199.57	2	0.875	81.95
	29	53.2	88.8	7.2	121.11	45.0	7.05	319.00	200.84	2	0.843	74.42
	30	50.4	79.5	7.2	121.04	41.2	6.50	319.00	201.44	2	0.834	72.07

Date	Discharge Cum (cum)	Doorage P.H. (cum)	RMP or Tail Spillage water (cum)	Plant Q head (cum)	Flow Level	Effect Head h	Unit m	Efficiency Output MW	Month y Ave. MW			
Oct	1	48.5	81.7	7.3	111.04	41.30	5.94	191.00	203.00	2	0.847	88.37
2	46.4	75.1	7.3	111.01	39.40	5.41	191.00	203.18	2	0.802	70.78	
3	43.7	72.9	7.3	111.00	38.00	5.16	191.00	203.84	2	0.805	68.12	
4	46.5	75.1	7.3	111.01	39.40	5.41	191.00	203.54	2	0.800	70.50	
5	73.2	91.3	7.3	111.12	64.00	7.37	191.00	203.51	2	0.867	78.34	
6	64.5	111.4	7.3	111.28	71.30	11.43	191.00	194.31	2	0.898	93.91	
7	93.3	106.2	7.3	111.23	66.00	7.37	191.00	203.41	2	0.867	78.50	
8	69.4	81.7	7.3	111.06	42.30	6.50	191.00	201.34	2	0.851	71.02	
9	44.5	64.9	7.3	111.09	41.30	5.94	191.00	201.97	2	0.847	68.35	
10	98.8	92.8	7.3	111.14	93.40	6.84	191.00	198.23	2	0.848	90.70	
11	31.3	94.5	7.3	111.16	28.30	4.16	191.00	202.79	2	0.853	48.11	
12	43.7	75.1	7.3	111.01	39.40	5.41	191.00	203.18	2	0.802	68.36	
13	43.8	70.7	7.3	110.99	38.40	4.67	191.00	203.33	2	0.803	68.36	
14	41.0	64.3	7.3	110.96	31.30	3.96	191.00	204.07	2	0.812	61.62	
15	40.5	64.3	7.3	110.94	30.80	3.75	191.00	204.30	2	0.811	59.67	
16	88.1	128.0	7.3	111.34	81.90	23.16	191.00	184.28	2	0.907	134.18	
17	194.9	208.7	106.9	122.24	90.00	26.31	191.00	178.82	2	0.898	141.78	
18	141.8	286.0	91.6	123.19	90.00	26.31	191.00	178.83	2	0.898	142.78	
19	213.0	276.7	123.0	123.18	90.00	26.31	191.00	179.02	2	0.898	141.85	
20	157.8	267.4	65.6	122.94	90.00	26.31	191.00	178.99	2	0.898	141.83	
21	113.8	267.5	23.0	121.79	90.00	26.31	191.00	179.09	2	0.898	141.89	
22	88.2	182.6	7.2	111.89	81.00	23.16	191.00	184.46	2	0.903	132.97	
23	74.0	163.9	7.2	111.57	64.40	13.56	191.00	191.99	2	0.910	114.50	
24	72.0	190.8	7.2	111.90	44.30	12.40	191.00	192.97	2	0.908	111.27	
25	74.9	142.8	7.2	111.43	47.30	14.06	191.00	191.50	2	0.910	115.73	
26	99.5	129.1	9.5	111.53	90.00	26.31	191.00	179.25	2	0.898	141.95	
27	120.4	126.4	9.4	111.60	80.00	26.31	191.00	179.25	2	0.898	141.97	
28	120.4	126.4	9.4	111.60	80.00	26.31	191.00	179.25	2	0.898	141.97	
29	163.9	162.0	26.9	111.57	90.00	26.31	191.00	179.29	2	0.898	142.60	
30	94.7	158.6	7.3	111.80	88.30	21.78	191.00	184.23	2	0.900	140.68	
31	88.2	139.1	7.2	111.43	81.00	22.85	191.00	184.72	2	0.903	133.14	
Nov	1	83.4	128.0	7.2	111.36	76.30	26.29	191.00	187.42	2	0.911	127.48
2	82.4	188.7	7.2	111.31	75.30	26.48	191.00	188.09	2	0.911	126.54	
3	83.3	118.0	7.2	111.29	67.30	19.96	191.00	197.61	2	0.910	115.74	
4	74.9	129.1	7.2	111.43	57.30	15.04	191.00	197.61	2	0.910	115.74	
5	88.1	267.0	7.2	111.34	81.90	23.16	191.00	184.28	2	0.903	133.67	
6	122.4	267.4	23.0	123.67	90.00	26.31	191.00	179.30	2	0.898	141.92	
7	175.6	254.3	65.6	123.42	90.00	26.31	191.00	178.47	2	0.899	141.63	
8	124.3	244.3	34.2	123.03	90.00	26.31	191.00	178.80	2	0.898	141.77	
9	102.4	191.5	10.4	111.74	90.00	26.31	191.00	179.87	2	0.898	141.86	
10	80.6	198.1	7.2	111.53	71.40	18.16	191.00	186.49	2	0.912	122.72	
11	88.2	130.7	7.2	111.39	62.00	13.78	191.00	194.23	2	0.908	126.86	
12	63.5	114.2	7.2	111.27	54.30	11.04	191.00	194.69	2	0.906	97.25	
13	68.7	106.2	7.2	111.22	51.30	9.97	191.00	197.81	2	0.900	92.30	
14	56.9	161.3	7.2	111.39	46.70	8.68	191.00	199.21	2	0.879	83.31	
15	54.1	96.7	7.2	111.17	44.90	7.44	191.00	200.17	2	0.870	80.03	
16	52.2	96.7	7.2	111.17	43.00	7.03	191.00	200.77	2	0.863	78.39	
17	30.4	93.9	7.2	111.14	41.20	6.20	191.00	201.36	2	0.846	72.80	
18	44.6	88.6	7.2	111.11	38.40	5.41	191.00	202.49	2	0.850	70.37	
19	44.7	84.3	7.2	111.09	37.30	4.90	191.00	203.01	2	0.856	67.40	
20	43.8	81.6	7.2	111.11	36.00	4.67	191.00	203.23	2	0.853	64.23	
21	41.7	119.7	7.2	111.31	34.40	10.34	191.00	197.33	2	0.892	94.04	
22	64.4	126.0	7.2	111.34	39.20	12.31	191.00	194.43	2	0.901	102.31	
23	140.8	84.4	7.2	111.11	48.30	8.29	191.00	196.60	2	0.876	83.46	
24	51.7	83.9	7.2	111.07	44.70	6.77	191.00	201.13	2	0.819	74.70	
25	44.6	78.5	7.2	111.04	39.40	5.41	191.00	202.23	2	0.800	70.50	
26	51.2	83.9	7.2	111.07	44.60	7.37	191.00	200.54	2	0.867	76.36	
27	50.4	72.9	7.2	111.00	41.30	5.94	191.00	201.30	2	0.816	72.30	
28	44.3	77.3	7.2	111.03	41.30	5.94	191.00	202.03	2	0.847	68.38	
29	43.8	64.5	7.2	110.97	34.40	4.67	191.00	202.34	2	0.808	64.36	
30	40.0	64.3	7.2	110.96	31.30	3.75	191.00	204.30	2	0.811	59.65	
Dec	1	339.2	540.7	349.3	131.04	90.00	26.21	191.74	178.47	2	0.899	161.49
2	439.1	597.7	548.1	131.74	90.00	26.21	191.74	178.28	2	0.899	161.37	
3	471.9	733.2	541.0	131.37	90.00	26.21	191.95	178.37	2	0.899	161.63	
4	300.4	468.9	310.4	123.83	90.00	26.31	191.81	178.53	2	0.899	143.53	
5	257.4	401.8	174.4	123.64	90.00	26.31	191.82	178.63	2	0.899	141.61	
6	238.7	403.4	180.7	123.67	90.00	26.31	191.82	178.64	2	0.899	141.61	
7	348.1	567.3	198.1	123.61	90.00	26.31	191.80	178.67	2	0.899	141.63	
8	340.7	571.8	220.7	123.00	90.00	26.31	191.80	178.69	2	0.899	141.61	
9	414.9	647.7	324.9	131.32	90.00	26.31	191.84	178.43	2	0.899	143.54	
10	297.9	465.1	267.9	123.84	90.00	26.31	191.81	178.54	2	0.899	141.53	
11	241.1	378.4	151.1	123.58	90.00	26.31	191.84	178.69	2	0.899	141.64	
12	181.4	323.2	91.4	123.21	90.00	26.31	191.82	178.90	2	0.898	141.77	
13	136.3	232.7	46.9	111.86	90.00	26.31	191.84	179.11	2	0.898	141.90	
14	109.8	198.4	18.4	111.41	90.00	26.31	191.80	180.23	2	0.898	141.94	
15	94.6	147.7	7.2	111.48	87.40	24.66	191.80	180.81	2	0.901	138.46	
16	87.3	136.2	7.2	111.41	86.10	22.95	191.80	181.54	2	0.900	133.13	
17	83.8	130.7	7.2	111.36	76.40	20.44	191.80	181.19	2	0.911	127.97	
18	74.9	144.8	7.2	111.39	67.30	15.06	191.80	181.75	2	0.910	115.43	
19	66.6	108.4	7.2	111.24	62.40	13.56	191.80	184.30	2	0.908	107.60	
20	71.4	111.4	7.2	111.24	64.20	13.56	191.80	183.39	2	0.908	108.44	
21	82.0	128.0	7.2	111.34	74.80	16.89	191.80	186.13	2	0.911	125.89	
22	87.3	136.3	7.2	111.41	80.10	22.38	191.80	182.34	2	0.903	133.13	
23	115.1	178.6	22.1	111.67	90.00	26.31	191.99	179.21	2	0.898	141.97	
24	187.8	292.1	97.8	123.23	90.00	26.31	191.84	178.68	2	0.898	141.74	
25	152.4	237.9	62.4	111.99	90.00	26.31	191.23	179.93	2	0.898	141.85	
26	107.5	167.8	17.5	111.41	90.00	26.31	191.68	179.24	2	0.898	141.99	
27	117.0	184.8	27.0	111.89	90.00	26.31	191.10	179.30	2	0.898	141.94	
28	132.4	224.4	43.4	111.83	90.00	26.31	191.16	179.17	2	0.898	141.92	
29	128.4	191.2	39.8	111.61	90.00	26.31	191.00	180.11	2	0.898	141.94	
30	93.8	141.8	7.2	111.47	81.80	23.82	191.80	182.81	2	0.901	127.96	
31	74.7	138.3	7.2	111.31	69.30	18.82	191.80	182.57	2	0.911	118.44	

## POWER GENERATION SIMULATION

Year: 1977

Dam Axis B  
F.S.L. = 119.00 mRoad Head : 179.30 m  
Max. Plant Discharge : 90.00 cum

Installed Capacity : 141.0 MW

Date	Discharge Dm (cum)	Discharge P.H. (cum)	RMP or Tail Spillage water level m (cum)	Plant Q Level m (cum)	Loss	Raw Level m (cum)	Effluent Head h (cum)	Effluent Unit secy	Output MW	Month	y A.W.
Jan 1	54.0	114.8	7.3	111.29	45.8	7.63	119.00	20.08	2	0.840	76.79
2	53.0	111.3	7.2	111.25	47.8	7.86	119.00	19.79	2	0.870	81.70
3	73.8	119.1	7.3	111.33	68.4	14.29	119.00	19.84	2	0.911	116.99
4	108.0	200.4	18.0	111.79	90.0	23.21	119.04	17.04	2	0.896	141.87
5	182.7	276.7	52.7	112.18	90.0	23.21	119.33	17.94	2	0.898	141.79
6	224.7	334.8	124.7	112.20	90.0	23.21	119.44	17.73	2	0.899	141.44
7	211.8	294.0	121.8	112.07	90.0	23.21	119.40	17.81	2	0.898	141.81
8	179.4	125.5	83.4	111.71	90.0	23.21	119.30	17.99	2	0.899	141.00
9	150.8	159.1	90.8	111.55	90.0	23.21	119.33	17.64	2	0.898	142.00
10	143.1	159.1	92.1	111.53	90.0	23.21	119.30	17.44	2	0.898	142.00
11	144.1	162.5	94.1	111.58	90.0	23.21	119.21	17.30	2	0.898	142.00
12	145.1	216.7	151.1	111.99	90.0	23.21	119.31	17.11	2	0.898	141.90
13	176.7	221.8	167.7	111.91	90.0	23.21	119.31	17.20	2	0.898	141.84
14	231.7	237.8	161.7	111.99	90.0	23.21	119.30	17.30	2	0.898	142.00
15	473.9	412.6	94.9	112.49	90.0	23.21	119.39	17.96	2	0.899	141.82
16	630.4	409.9	300.4	112.64	90.0	23.21	119.91	17.02	2	0.890	141.85
17	444.3	419.8	354.3	112.72	90.0	23.21	119.90	17.97	2	0.898	141.83
18	590.0	648.3	466.0	113.25	90.0	23.21	120.13	17.84	2	0.899	141.63
19	774.0	1189.3	647.0	114.00	90.0	23.21	120.47	17.23	2	0.899	141.34
20	646.2	928.2	586.2	113.64	90.0	23.21	120.34	17.37	2	0.899	141.63
21	498.7	718.1	438.7	113.34	90.0	23.21	120.24	17.54	2	0.899	141.54
22	429.4	594.5	379.4	113.05	90.0	23.21	119.87	17.81	2	0.899	141.39
23	364.7	495.9	316.7	112.81	90.0	23.21	119.77	17.93	2	0.899	141.64
24	304.0	402.3	216.0	112.57	90.0	23.21	119.63	17.73	2	0.899	141.67
25	347.4	444.0	277.4	112.79	90.0	23.21	119.71	17.71	2	0.899	141.65
26	389.3	347.9	303.3	112.47	90.0	23.21	119.40	17.93	2	0.899	141.78
27	276.5	298.9	186.5	112.28	90.0	23.21	119.56	17.97	2	0.898	141.86
28	261.1	270.2	171.1	112.13	90.0	23.21	119.37	17.17	2	0.898	141.94
29	232.4	237.3	150.4	112.09	90.0	23.21	119.37	17.38	2	0.898	142.00
30	228.2	243.1	178.2	112.21	90.0	23.21	119.43	17.93	2	0.898	141.83
31	239.5	275.7	148.3	112.18	90.0	23.21	119.47	17.08	2	0.898	141.99
Feb 1	223.8	308.3	135.8	112.30	90.0	23.21	119.44	17.93	2	0.898	141.79
2	199.1	247.5	159.1	112.64	90.0	23.21	119.12	17.12	2	0.898	141.81
3	170.4	254.0	80.4	112.07	90.0	23.21	119.29	17.01	2	0.898	141.84
4	281.2	330.8	191.2	112.41	90.0	23.21	119.37	17.93	2	0.898	141.80
5	262.3	351.4	175.5	112.49	90.0	23.21	119.33	17.83	2	0.898	141.73
6	411.8	495.6	361.8	112.92	90.0	23.21	119.51	17.79	2	0.899	141.70
7	394.3	676.5	404.3	113.27	90.0	23.21	120.14	17.64	2	0.899	141.63
8	517.6	560.7	527.6	113.04	90.0	23.21	120.07	17.74	2	0.899	141.64
9	483.2	484.1	599.2	112.99	90.0	23.21	119.97	17.87	2	0.899	141.75
10	433.9	438.8	545.9	112.73	90.0	23.21	119.86	17.93	2	0.898	141.78
11	527.2	470.8	477.2	112.73	90.0	23.21	120.05	17.99	2	0.898	141.89
12	502.5	396.3	415.8	112.64	90.0	23.21	120.01	17.16	2	0.898	141.94
13	408.5	396.5	318.5	112.64	90.0	23.21	119.83	17.99	2	0.898	141.83
14	352.9	340.1	240.9	112.55	90.0	23.21	119.72	17.94	2	0.898	141.81
15	291.4	317.1	201.4	112.35	90.0	23.21	119.59	17.03	2	0.898	141.85
16	254.0	270.2	164.0	112.15	90.0	23.21	119.31	17.13	2	0.898	141.93
17	211.8	231.3	121.8	111.96	90.0	23.21	119.40	17.24	2	0.898	141.99
18	195.3	186.4	102.3	111.72	90.0	23.21	119.36	17.42	2	0.898	142.00
19	183.8	144.9	93.8	111.47	90.0	23.21	119.33	17.63	2	0.898	142.00
20	149.9	123.1	59.9	111.34	90.0	23.21	119.23	17.67	2	0.898	142.00
21	121.3	119.6	31.3	111.31	90.0	23.21	119.12	17.80	2	0.898	142.00
22	87.1	111.3	7.2	111.25	79.9	22.20	119.25	18.51	2	0.911	118.53
23	78.6	102.8	7.2	111.20	71.4	17.79	119.00	18.04	2	0.912	121.22
24	74.8	102.8	7.2	111.20	67.6	15.92	119.00	18.18	2	0.910	115.74
25	72.9	91.7	7.2	111.14	63.7	15.09	119.00	18.23	2	0.909	115.89
26	71.9	84.7	7.2	111.11	64.7	14.96	119.00	18.31	2	0.908	111.33
27	71.9	101.1	7.2	111.19	64.7	14.98	119.00	18.23	2	0.908	111.30
28	70.1	103.6	7.2	111.20	61.9	13.78	119.00	18.02	2	0.907	108.43
Mar 1	74.7	96.4	7.2	111.17	68.5	16.92	119.00	191.01	2	0.911	118.53
2	137.5	231.3	47.5	111.94	90.0	23.21	119.18	17.92	2	0.908	141.84
3	178.7	300.4	86.7	111.79	90.0	23.21	119.31	17.93	2	0.898	142.00
4	156.7	244.3	64.7	112.02	90.0	23.21	119.23	17.91	2	0.898	141.84
5	202.5	277.3	122.5	112.09	90.0	23.21	119.38	17.04	2	0.898	141.99
6	189.5	277.8	78.5	111.99	90.0	23.21	119.29	17.09	2	0.898	141.89
7	166.5	231.3	76.5	111.94	90.0	23.21	119.28	17.11	2	0.898	141.90
8	187.3	208.7	72.3	111.84	90.0	23.21	119.27	17.22	2	0.898	141.97
9	128.6	179.6	64.6	111.64	90.0	23.21	119.25	17.40	2	0.898	142.00
10	142.2	120.6	32.2	111.30	90.0	23.21	119.30	17.49	2	0.898	142.00
11	107.1	142.0	17.1	111.43	90.0	23.21	119.04	17.40	2	0.898	142.00
12	77.7	167.7	7.2	111.60	70.5	17.31	119.00	18.09	2	0.911	118.70
13	71.1	188.4	7.2	111.72	63.9	14.22	119.00	18.05	2	0.907	102.71
14	71.1	164.9	7.2	111.59	63.9	14.22	119.00	18.19	2	0.904	108.80
15	90.0	120.1	7.2	111.43	62.8	23.96	119.00	18.60	2	0.906	120.10
16	99.5	186.4	9.5	111.72	90.0	23.21	119.20	17.08	2	0.898	141.99
17	98.5	202.7	8.5	111.94	90.0	23.21	119.01	17.96	2	0.898	141.81
18	80.5	162.0	7.2	111.57	73.3	16.71	119.00	18.72	2	0.912	120.54
19	72.9	139.1	7.2	111.43	63.7	15.09	119.00	18.54	2	0.909	112.71
20	67.2	111.3	7.2	111.23	60.0	12.94	119.00	195.21	2	0.903	103.63
21	71.9	124.3	7.2	111.41	64.7	14.98	119.00	195.01	2	0.908	111.14
22	120.8	186.4	60.8	111.72	90.0	23.21	119.23	17.29	2	0.898	142.00
23	193.7	277.8	63.7	111.99	90.0	23.21	119.24	17.04	2	0.898	141.84
24	148.9	231.3	54.9	111.94	90.0	23.21	119.21	17.05	2	0.898	141.87
25	197.6	122.5	67.6	111.69	90.0	23.21	119.25	17.23	2	0.898	142.00
26	146.0	183.5	54.9	111.71	90.0	23.21	119.21	17.29	2	0.898	142.00
27	128.9	176.4	34.9	111.64	90.0	23.21	119.15	17.34	2	0.898	142.00
28	109.0	167.7	18.0	111.40	90.0	23.21	119.07	17.25	2	0.898	141.99
29	143.1	191.4	53.1	111.74	90.0	23.21	119.21	17.34	2	0.898	142.00
30	195.7	231.3	105.7	111.94	90.0	23.21	119.34	17.19	2	0.898	141.96
31	221.1	282.7	131.1	112.24	90.0	23.21	119.43	17.98	2	0.898	141.82

Date	Discharge (cum)	Discharge P.H. (cum)	RMP or Tail Spillage level m (cum)	Plant Q level m (cum)	Loss	Raw level (cum)	Effluent Head m (cum)	Unit secy	Effluent MW	Output MW	Y Ave. M/W
Apr. 1	234.1	419.8	144.1	112.73	90.00	23.21	119.44	17.94	2	0.899	141.54
2	228.4	412.6	139.4	112.69	90.00	23.21	119.45	17.95	2	0.899	141.54
3	190.3	345.3	100.3	112.34	90.00	23.21	119.33	17.60	2	0.898	141.50
4	159.4	246.9	69.6	112.13	90.00	23.21	119.36	17.91	2	0.898	141.78
5	125.1	247.5	33.1	112.04	90.00	23.21	119.14	17.99	2	0.898	141.76
6	107.1	212.6	17.1	111.84	90.00	23.21	119.04	17.99	2	0.898	141.83
7	86.1	179.6	7.2	111.67	80.50	23.29	119.00	18.43	2	0.904	123.84
8	87.1	147.7	7.2	111.68	79.50	23.23	119.00	18.28	2	0.909	111.83
9	92.8	120.5	7.2	111.49	86.40	24.12	119.00	18.19	2	0.903	106.79
10	101.4	111.7	11.4	111.89	90.00	23.21	119.03	17.94	2	0.898	141.80
11	111.3	213.7	21.8	112.88	90.00	23.21	119.08	17.99	2	0.898	141.83
12	96.6	191.4	7.2	111.74	89.40	27.94	119.00	17.42	2	0.899	141.54
13	73.9	159.1	7.2	112.35	66.70	15.40	119.00	19.15	2	0.910	114.15
14	61.6	139.1	7.2	111.43	64.40	10.31	118.00	19.24	2	0.892	93.78
15	55.9	127.9	7.2	111.36	49.80	7.94	119.00	19.48	2	0.897	81.45
16	35.9	116.8	7.2	111.29	47.30	5.90	119.00	19.11	2	0.879	82.36
17	54.9	114.1	7.2	111.27	64.80	7.43	119.00	20.10	2	0.898	93.79
18	62.5	102.0	7.2	111.43	54.30	11.04	118.00	19.65	2	0.896	97.15
19	84.3	130.7	7.2	111.34	71.10	20.70	119.00	19.62	2	0.910	126.59
20	82.4	116.8	7.2	111.29	74.30	10.22	119.00	19.49	2	0.911	117.57
21	68.2	111.3	7.2	111.23	61.60	12.96	119.00	19.79	2	0.904	105.20
22	72.9	119.4	7.2	111.31	53.70	15.03	119.00	19.44	2	0.902	112.79
23	73.9	116.8	7.2	111.29	64.70	15.49	119.00	19.22	2	0.910	114.53
24	62.3	106.1	7.2	111.22	56.30	11.04	119.00	19.67	2	0.896	97.28
25	53.9	95.7	7.2	111.14	48.70	8.26	119.00	19.60	2	0.876	83.46
26	47.3	91.2	7.2	111.12	40.30	5.64	119.00	20.22	2	0.842	67.20
27	44.6	84.7	7.2	111.11	37.40	4.27	119.00	20.03	2	0.847	67.46
28	42.4	83.9	7.2	111.07	33.40	4.41	119.00	20.51	1	0.820	64.42
29	41.8	81.6	7.2	111.06	34.40	4.17	119.00	20.77	1	0.911	62.94
30	55.0	79.4	7.2	111.04	47.30	7.94	119.00	20.00	2	0.873	81.91
111.44											
May 1	70.1	79.4	7.2	111.04	62.30	11.78	119.00	19.18	2	0.897	104.53
2	58.6	77.2	7.2	111.03	61.10	9.37	119.00	19.70	2	0.908	86.92
3	47.3	75.0	7.2	111.01	40.30	5.64	119.00	20.23	2	0.841	67.43
4	44.6	75.0	7.2	111.01	37.40	4.27	119.00	20.31	1	0.907	67.99
5	39.9	75.0	7.2	111.01	32.70	3.72	119.00	20.34	2	0.911	99.46
6	38.1	72.9	7.2	111.00	30.90	3.31	119.00	20.47	1	0.909	54.35
7	41.8	72.9	7.2	111.00	34.40	4.17	119.00	20.23	1	0.911	62.98
8	55.9	72.9	7.2	111.00	35.40	4.41	119.00	20.10	1	0.910	64.42
9	62.5	68.6	7.2	110.95	47.80	7.94	119.00	20.07	1	0.877	81.94
10	53.2	66.3	7.2	110.95	44.40	7.37	119.00	20.48	2	0.847	78.42
11	54.9	83.9	7.2	111.07	49.70	8.60	119.00	19.32	2	0.879	83.37
12	66.3	102.6	7.2	111.30	39.10	13.16	119.00	19.63	2	0.901	102.13
13	78.6	86.2	7.2	111.09	71.40	17.75	119.00	19.16	2	0.912	121.28
14	67.2	73.0	7.2	111.61	60.20	12.54	119.00	19.45	2	0.903	103.77
15	50.3	70.6	7.2	110.98	42.30	6.47	119.00	20.15	2	0.851	72.81
16	42.6	64.0	7.2	110.94	35.40	4.41	119.00	20.43	1	0.910	64.46
17	37.2	61.9	7.2	110.93	30.00	3.13	119.00	20.94	1	0.907	54.46
18	34.6	58.1	7.2	110.90	27.40	2.41	119.00	20.49	1	0.898	49.37
19	33.7	58.1	7.2	110.90	26.20	2.45	119.00	20.66	1	0.894	47.75
20	31.9	54.3	7.2	110.87	24.70	2.12	119.00	20.00	1	0.884	44.07
21	31.1	54.3	7.2	110.87	23.90	1.99	119.00	20.14	1	0.878	42.41
22	30.2	50.3	7.2	110.83	20.00	1.94	119.00	20.31	1	0.872	40.54
23	34.0	38.3	7.2	110.83	44.80	7.43	119.00	20.59	2	0.870	40.03
24	61.4	38.3	7.2	110.83	71.20	19.17	119.00	19.86	0.911	123.24	
25	49.2	48.6	7.2	110.83	60.20	13.30	119.00	19.78	2	0.904	107.19
26	51.2	48.6	7.2	110.83	44.40	6.74	119.00	20.12	2	0.839	74.62
27	37.2	48.6	7.2	110.83	30.00	3.13	119.00	20.23	1	0.907	54.40
28	31.1	48.6	7.2	110.83	23.90	1.99	119.00	20.16	1	0.878	42.42
29	31.1	48.6	7.2	110.83	23.90	1.99	119.00	20.16	1	0.878	42.42
30	28.4	44.6	7.2	110.83	22.20	1.72	119.00	20.43	1	0.866	36.87
31	29.4	48.6	7.2	110.83	22.20	1.72	119.00	20.43	1	0.845	37.97
97.92											
Jun. 1	28.5	48.6	7.2	110.83	21.30	1.58	119.00	20.59	1	0.838	36.89
2	27.8	44.7	7.2	110.82	20.40	1.43	119.00	20.70	1	0.831	31.53
3	27.8	44.7	7.2	110.82	20.40	1.48	119.00	20.70	1	0.851	33.23
4	24.9	44.7	7.2	110.83	18.70	1.35	119.00	20.83	1	0.842	31.64
5	24.9	44.6	7.2	110.81	18.70	1.35	119.00	20.84	1	0.842	31.64
6	23.3	42.9	7.2	110.78	18.10	1.14	119.00	20.70	1	0.823	30.31
7	24.5	42.9	7.2	110.79	17.30	1.04	119.00	20.77	1	0.816	28.66
8	24.5	42.9	7.2	110.79	17.30	1.04	119.00	20.77	1	0.816	28.66
9	24.9	41.3	7.2	110.76	18.70	1.25	119.00	20.87	1	0.843	31.63
10	26.9	39.7	7.2	110.77	18.70	1.35	119.00	20.84	1	0.843	31.65
11	24.5	39.7	7.2	110.77	17.30	1.04	119.00	20.77	1	0.816	28.66
12	25.0	39.7	7.2	110.77	18.70	1.27	119.00	20.87	1	0.877	25.99
13	25.3	31.2	7.2	110.74	18.10	1.14	119.00	20.77	1	0.823	30.32
14	24.5	34.2	7.2	110.74	21.30	1.58	119.00	20.64	1	0.834	37.01
15	27.8	34.2	7.2	110.75	20.20	1.48	119.00	20.77	1	0.851	33.54
16	31.1	34.6	7.2	110.77	18.10	1.04	119.00	20.77	1	0.823	30.32
17	24.5	34.6	7.2	110.79	18.10	1.04	119.00	20.77	1	0.823	30.32
18	24.5	38.3	7.2	110.74	17.30	1.04	119.00	20.77	1	0.816	28.66
19	24.5	39.7	7.2	110.77	17.30	1.04	119.00	20.77	1	0.816	28.66
20	35.4	44.7	7.2	110.82	28.20	2.77	119.00	20.41	1	0.902	51.18
21	39.1	60.0	7.2	110.91	31.90	3.54	119.00	20.54	1	0.911	58.20
22	43.8	61.9	7.2	110.93	34.40	4.47	119.00	20.41	1	0.908	64.27
23	41.8	60.0	7.2	110.91	34.40	4.47	119.00	20.32	1	0.911	63.01
24	39.9	58.1	7.2	110.90	32.70	3.72	119.00	20.38	1	0.911	60.40
25	35.1	64.0	7.2	110.94	30.90	3.33	119.00	20.74	1	0.908	34.57
26	34.1	72.9	7.2	111.00	30.90	3.33	119.00	20.47	1	0.909	34.25
27	37.2	60.0	7.2	110.91	30.00	3.13	119.00	20.43	1	0.907	34.47
28	34.3	58.1	7.2	110.90	29.10	2.99	119.00	20.15	1	0.890	32.90
29	34.4	54.3	7.2	110.87	28.20	2.77	119.00	20.34	1	0.902	31.17
30	34.6	50.5	7.2	110.85	27.40	2.41	119.00	20.54	1	0.908	49.38
40.00											

## POWER GENERATION SIMULATION

Year: 1977

Dam Axis B  
F.L.L. = 105.00 mRoad Head : 179.30 m  
Min. Plant Discharge : 90.70 m

Installed Capacity : 142.0 MW

		Discharge Date (mm)	Discharge F/H (mm)	RMP at Tail Spillage water level m (mm)	Plant Q Level m (mm)	Raw Level m (mm)	Effect Head h (mm)	Effect Unit sec (mm)	Output MW (mm)	Month Y A.M. MW		
Jul	1	317	44.7	72	130.82	24.5	24.5	139.00	205.73	1	0.894	47.77
	2	311	44.8	72	130.81	22.9	1.99	139.00	206.30	1	0.879	43.43
	3	304	44.8	72	130.81	22.3	1.73	139.00	206.40	1	0.864	38.98
	4	285	41.3	72	130.78	21.3	1.58	139.00	206.64	1	0.825	37.00
	5	283	39.7	72	130.77	21.3	1.58	139.00	206.65	1	0.838	37.60
	6	274	36.4	72	130.75	20.4	1.45	139.00	206.77	1	0.871	33.54
	7	269	33.5	72	130.72	19.7	1.35	139.00	206.92	1	0.843	31.46
	8	261	33.5	72	130.72	18.9	1.34	139.00	207.05	1	0.834	31.99
	9	261	31.9	72	130.73	18.9	1.34	139.00	207.04	1	0.834	31.99
	10	261	31.9	72	130.72	17.3	1.64	139.00	207.54	1	0.816	28.87
	11	237	31.9	72	130.72	14.3	0.85	139.00	207.53	1	0.806	27.25
	12	230	31.9	72	130.72	13.8	0.87	139.00	207.41	1	0.797	25.80
	13	221	30.4	22.1	130.71	8.0	0.77	139.00	207.32	0	0.000	0.00
	14	221	30.4	22.1	130.71	8.0	0.77	139.00	207.32	0	0.000	0.00
	15	214	31.5	21.4	130.72	0.0	0.70	139.00	207.37	0	0.000	0.00
	16	203	44.4	72	130.81	21.3	1.58	139.00	204.61	1	0.830	37.00
	17	274	32.4	72	130.84	20.5	1.44	139.00	204.64	1	0.871	33.52
	18	265	30.5	72	130.83	17.3	1.64	139.00	207.11	1	0.816	28.85
	19	214	42.9	21.4	130.79	0.0	0.70	139.00	207.50	0	0.000	0.00
	20	214	41.2	21.4	130.78	0.0	0.70	139.00	207.51	0	0.000	0.00
	21	203	34.2	20.3	130.75	0.0	0.62	139.00	207.82	0	0.000	0.00
	22	181	42.9	18.1	130.79	0.0	0.51	139.00	207.85	0	0.000	0.00
	23	64.5	98.6	72	131.17	28.3	5.88	139.00	202.43	1	0.903	70.31
	24	86.1	218.7	72	131.89	80.9	22.79	139.00	184.32	1	0.908	132.72
	25	102.6	220.7	62.8	132.05	90.0	28.31	139.33	178.97	1	0.898	141.81
	26	102.3	197.4	12.3	131.78	90.0	28.31	139.03	179.05	1	0.898	141.84
	27	63.4	125.1	72	131.34	34.2	11.80	139.00	195.84	1	0.900	100.52
	28	47.9	107.6	72	131.20	40.3	2.66	139.00	202.14	1	0.842	67.23
	29	43.6	86.2	72	131.09	34.4	1.14	139.00	202.77	1	0.904	68.95
	30	40.9	91.6	72	131.04	32.7	3.94	139.00	205.99	1	0.912	61.41
	31	21.1	72.8	72	131.00	20.9	3.71	139.00	204.67	1	0.908	55.75
Aug	1	61.6	78.4	72	131.04	34.4	16.31	139.00	197.45	1	0.882	94.01
	2	126.0	170.7	36.0	131.02	90.0	28.31	139.33	179.31	1	0.898	142.00
	3	118.3	175.6	28.5	131.04	90.0	28.31	139.33	179.34	1	0.898	142.00
	4	83.4	130.7	72	131.34	75.2	19.40	139.00	187.95	1	0.911	124.19
	5	77.8	106.1	72	131.22	56.6	8.92	139.00	188.54	1	0.882	84.97
	6	34.0	93.7	72	131.14	44.8	7.43	139.00	200.23	1	0.870	78.86
	7	41.8	83.9	72	131.07	34.4	4.17	139.00	203.74	1	0.911	82.94
	8	43.9	75.0	72	131.01	34.4	4.67	139.00	203.23	1	0.909	84.25
	9	41.9	70.6	72	130.94	34.4	4.17	139.00	203.23	1	0.911	82.98
	10	38.1	64.0	72	130.94	30.9	3.33	139.00	204.74	1	0.909	84.77
	11	40.8	61.9	72	130.95	33.7	3.76	139.00	204.12	1	0.912	81.45
	12	47.5	56.1	72	130.90	40.3	5.44	139.00	203.44	1	0.943	97.98
	13	59.9	54.1	72	130.90	32.7	1.72	139.00	204.38	1	0.911	90.40
	14	36.1	61.9	72	130.93	30.9	3.33	139.00	204.75	1	0.908	84.97
	15	43.6	64.4	72	130.97	34.4	4.67	139.00	203.27	1	0.908	84.36
	16	101.6	233.1	91.6	132.21	90.0	28.31	139.32	179.51	1	0.898	141.77
	17	101.6	141.1	92.3	131.90	90.0	28.31	139.32	179.27	1	0.899	141.37
	18	104.7	140.7	104.7	131.29	90.0	28.31	139.30	179.39	1	0.899	141.44
	19	91.5	102.9	102.4	131.78	90.0	28.31	139.64	178.41	1	0.899	141.61
	20	72.3	83.9	63.3	131.53	90.0	28.31	139.34	178.42	1	0.899	141.59
	21	52.4	40.4	43.4	131.13	90.0	28.31	139.04	174.67	1	0.899	141.43
	22	45.3	46.1	36.3	131.34	90.0	28.31	139.32	178.54	1	0.899	141.73
	23	42.4	42.4	37.4	131.34	90.0	28.31	139.32	178.54	1	0.899	141.73
	24	40.0	40.0	31.0	131.67	90.0	28.31	139.64	178.94	1	0.899	141.70
	25	43.9	40.8	33.8	131.68	90.0	28.31	139.64	178.97	1	0.898	141.82
	26	39.3	39.8	24.3	131.62	90.0	28.31	139.73	178.96	1	0.898	141.77
	27	241.2	302.3	191.2	132.30	90.0	28.31	139.57	179.07	1	0.898	141.84
	28	221.8	261.7	135.4	132.12	90.0	28.31	139.44	179.11	1	0.898	141.91
	29	202.5	247.5	112.5	132.04	90.0	28.31	139.38	179.13	1	0.898	141.92
	30	180.1	215.7	98.1	131.84	90.0	28.31	139.34	179.24	1	0.898	142.00
	31	179.4	224.0	92.4	131.67	90.0	28.31	139.32	179.04	1	0.898	141.84
Sep	1	139.4	218.7	49.4	131.89	90.0	28.31	139.19	179.09	1	0.898	141.80
	2	129.9	167.7	36.9	131.60	90.0	28.31	139.15	179.34	1	0.898	142.00
	3	120.4	153.4	30.4	131.51	90.0	28.31	139.12	179.39	1	0.898	142.00
	4	106.1	130.6	16.1	131.30	90.0	28.31	139.01	179.34	1	0.898	142.00
	5	94.7	108.1	7.1	131.43	87.3	24.46	139.00	180.80	1	0.901	139.81
	6	84.1	125.1	72	131.34	78.9	21.48	139.00	183.98	1	0.900	130.78
	7	87.6	113.4	74	131.40	90.0	28.31	139.00	179.40	1	0.898	142.00
	8	103.5	191.4	73.5	131.74	90.0	28.31	139.37	179.32	1	0.898	142.00
	9	140.5	182.5	70.5	131.69	90.0	28.31	139.39	179.39	1	0.898	142.00
	10	109.9	164.9	12.9	131.59	90.0	28.31	139.07	179.27	1	0.898	142.00
	11	97.4	109.6	76	131.21	90.0	28.31	139.00	179.48	1	0.898	142.00
	12	84.1	122.5	72	131.33	78.9	21.48	139.00	180.99	1	0.899	130.79
	13	80.5	101.4	72	131.33	73.2	18.71	139.00	189.97	1	0.912	120.80
	14	71.1	91.7	72	131.14	63.8	14.22	139.00	191.64	1	0.908	100.07
	15	54.9	91.2	72	131.12	48.7	8.60	139.00	192.27	1	0.937	63.35
	16	36.7	134.3	72	131.54	32.5	9.60	139.00	197.84	1	0.947	90.30
	17	81.4	202.4	72	131.79	74.2	30.32	139.00	186.89	1	0.911	127.30
	18	112.8	185.5	22.6	131.71	90.0	28.31	139.04	179.17	1	0.898	141.94
	19	112.8	190.1	22.6	131.55	90.0	28.31	139.08	179.32	1	0.898	142.00
	20	91.9	139.1	72	131.43	84.7	24.49	139.00	182.58	1	0.903	137.04
	21	84.3	123.5	72	131.33	77.1	20.70	139.00	186.97	1	0.910	126.42
	22	75.8	111.3	72	131.23	66.6	16.98	139.00	191.34	1	0.911	117.18
	23	69.2	101.1	72	131.19	62.0	13.98	139.00	194.42	1	0.906	104.98
	24	83.4	101.1	72	131.19	74.3	20.32	139.00	187.99	1	0.911	127.59
	25	87.1	96.3	72	131.16	78.9	22.25	139.00	183.41	1	0.909	120.07
	26	74.7	84.2	72	131.29	68.5	16.82	139.00	191.09	1	0.911	118.60
	27	64.3	77.2	72	131.07	59.1	13.16	139.00	191.91	1	0.902	102.34
	28	36.7	75.0	72	131.01	52.3	9.40	139.00	196.59	1	0.917	90.36
	29	44.3	70.6	72	130.96	38.1	13.16	139.00	195.83	1	0.902	102.34
	30	78.6	73.0	72	131.01	71.6	17.75	139.00	190.23	1	0.913	121.34



## POWER GENERATION SIMULATION

Year: 1978 Don Aisle B Head Hand 179.30 m Installed Capacity: 1435 MW  
 P.S.L.: 319.20 m Min. Flow Discharge: 90.00 cfs

Date		Discharge		RJF or Tail Spillage water level m	Plant Q Loss	Raw level	Effect Head h	Use sec	Efficiency MW	Output MW	Month y Ave MW	
		Dm (cms)	F/H (cms)									
Jan	1	39.1	64.0	7.2	110.84	70.9	3.33	319.00	204.74	1	0.850	54.37
	2	43.9	73.0	7.2	111.01	54.6	4.67	319.00	203.32	1	0.908	64.23
	3	47.5	75.0	7.2	111.01	60.3	5.66	319.00	202.33	2	0.843	67.33
	4	43.8	65.4	7.2	110.97	54.6	4.67	319.00	203.37	1	0.908	64.34
	5	39.1	60.0	7.2	110.91	51.9	3.54	319.00	204.34	1	0.911	58.23
	6	33.4	54.1	7.2	110.80	28.2	3.77	319.00	205.33	1	0.902	51.16
	7	33.9	56.3	7.2	110.89	33.7	2.30	319.00	203.51	1	0.900	46.13
	8	32.1	50.0	5.1	110.91	50.0	33.31	319.14	120.01	2	0.867	42.00
	9	32.1	50.0	5.1	111.01	50.0	33.31	319.13	179.91	2	0.867	42.00
	10	110.9	79.4	20.9	111.04	90.0	28.21	319.08	179.82	3	0.886	142.00
	11	61.4	77.2	7.2	111.03	74.2	18.17	319.00	186.80	3	0.911	123.12
	12	78.6	61.9	7.2	110.93	71.4	17.75	319.00	190.33	2	0.913	121.40
	13	71.9	60.0	7.2	110.91	64.7	14.58	319.00	191.51	2	0.900	111.47
	14	63.4	54.3	7.2	110.87	58.2	11.80	319.00	196.33	2	0.900	100.79
	15	53.0	58.1	7.2	110.90	47.8	7.96	319.00	202.14	2	0.873	81.88
	16	48.3	64.2	7.2	110.95	41.3	5.94	319.00	202.11	2	0.847	69.31
	17	40.9	61.9	7.2	110.93	33.7	3.94	319.00	204.12	1	0.912	61.45
	18	39.1	56.2	7.2	110.89	31.8	3.54	319.00	204.37	1	0.911	58.24
	19	64.4	79.4	7.2	111.04	77.3	11.43	319.00	196.52	3	0.904	98.13
	20	24.6	23.1	7.2	111.04	24.4	27.23	319.00	179.84	3	0.901	140.51
	21	153.7	218.7	45.7	111.88	90.0	28.21	319.34	179.14	3	0.899	141.92
	22	106.1	179.4	14.1	111.67	90.0	28.21	319.25	179.17	3	0.899	141.94
	23	119.4	176.7	29.4	111.38	90.0	28.21	319.11	179.52	3	0.898	142.00
	24	117.3	108.6	27.3	111.34	90.0	28.21	319.10	179.64	3	0.898	142.00
	25	56.7	167.7	7.2	111.80	52.5	9.40	319.00	197.80	2	0.847	96.37
	26	99.3	128.1	9.5	111.43	90.0	28.21	319.02	179.37	2	0.895	142.00
	27	203.5	203.5	113.5	111.81	90.0	28.21	319.38	179.34	3	0.898	142.00
	28	154.7	213.7	66.7	111.88	90.0	28.21	319.23	179.18	3	0.898	141.94
	29	108.0	164.9	18.0	111.39	90.0	28.21	319.06	179.24	2	0.898	142.00
	30	84.1	130.7	7.2	111.34	78.9	21.48	319.00	183.94	2	0.900	130.74
	31	129.2	179.6	19.2	111.67	90.0	28.21	319.07	179.19	2	0.898	141.93
Feb	1	117.5	136.3	27.3	111.34	90.0	28.21	319.10	179.54	2	0.898	142.00
	2	90.9	123.5	7.2	111.33	83.7	34.40	319.00	183.27	2	0.903	136.12
	3	126.1	129.6	34.1	111.31	90.0	28.21	319.13	179.61	2	0.898	142.00
	4	134.4	123.4	64.6	111.32	90.0	28.21	319.17	179.44	2	0.898	142.00
	5	92.9	133.4	7.2	111.32	83.7	34.40	319.00	181.90	2	0.900	142.00
	6	87.1	125.1	7.2	111.34	78.9	22.32	319.00	185.42	2	0.909	131.94
	7	78.6	108.6	7.2	111.34	71.4	17.75	319.00	190.01	2	0.912	121.30
	8	61.6	94.7	7.2	111.31	54.4	10.31	319.00	197.99	2	0.902	93.97
	9	55.0	79.4	7.2	111.04	47.8	7.96	319.00	202.00	2	0.873	81.81
	10	43.6	70.6	7.2	110.96	34.4	5.14	319.00	202.88	1	0.904	68.98
	11	40.9	61.9	7.2	110.93	33.7	3.94	319.00	204.12	1	0.912	61.45
	12	44.3	64.0	7.2	110.94	39.3	3.38	319.00	202.44	1	0.900	70.38
	13	44.6	61.9	7.2	110.95	37.4	4.87	319.00	203.20	1	0.906	67.51
	14	37.8	70.6	7.2	110.98	30.6	8.92	319.00	199.10	2	0.842	67.09
	15	43.5	70.6	7.2	110.98	34.3	11.04	319.00	198.98	2	0.894	67.42
	16	47.3	77.2	7.2	111.03	40.3	5.44	319.00	202.31	2	0.843	67.32
	17	32.2	70.6	7.2	110.98	43.0	7.05	319.00	200.94	2	0.843	74.68
	18	41.8	68.4	7.2	110.97	34.6	4.17	319.00	203.86	1	0.911	43.99
	19	34.3	54.2	7.2	110.99	29.1	2.95	319.00	205.16	1	0.905	52.95
	20	31.9	52.4	7.2	110.94	24.7	2.12	319.00	206.02	1	0.844	44.07
	21	44.4	54.3	7.2	110.97	37.4	4.87	319.00	203.24	1	0.906	67.53
	22	66.2	136.1	7.2	111.43	62.0	13.39	319.00	194.18	2	0.903	106.83
	23	53.4	119.6	7.2	111.31	74.2	20.22	319.00	187.47	2	0.911	127.51
	24	64.3	111.3	7.2	111.25	59.1	12.16	319.00	195.58	2	0.901	102.11
	25	48.5	81.6	7.2	111.06	41.3	5.94	319.00	202.00	2	0.847	69.27
	26	39.1	64.4	7.2	110.97	31.9	3.54	319.00	204.49	1	0.911	58.22
	27	33.4	64.0	7.2	110.94	28.2	3.77	319.00	205.29	1	0.902	51.15
	28	34.6	51.9	7.2	110.93	27.4	2.41	319.00	205.46	1	0.898	49.56
Mar	1	31.7	53.1	7.2	110.90	24.5	2.43	319.00	205.66	1	0.894	47.75
	2	43.6	83.9	7.2	111.07	34.4	5.14	319.00	202.79	1	0.904	68.98
	3	125.5	265.3	82.5	112.27	90.0	28.21	319.30	178.82	3	0.899	141.72
	4	202.3	354.2	112.5	112.42	90.0	28.21	319.34	178.75	3	0.899	141.67
	5	122.4	218.7	62.8	111.89	90.0	28.21	319.23	179.13	3	0.898	141.92
	6	90.0	162.0	7.2	111.37	82.8	23.08	319.00	183.55	2	0.904	133.01
	7	37.8	125.1	7.2	111.34	30.6	8.92	319.00	198.74	2	0.832	64.91
	8	54.0	94.3	7.2	111.16	44.8	7.03	319.00	200.22	2	0.870	78.85
	9	47.3	79.4	7.2	111.04	40.3	5.44	319.00	202.30	2	0.843	67.32
	10	62.8	77.2	7.2	111.03	54.4	4.41	319.00	203.56	1	0.910	64.64
	11	106.1	118.8	14.1	111.29	90.0	28.21	319.05	179.35	3	0.898	142.00
	12	222.3	608.9	122.3	112.64	90.0	28.21	319.43	178.54	3	0.899	141.54
	13	171.4	344.3	81.4	112.44	90.0	28.21	319.29	178.62	3	0.899	141.59
	14	141.3	318.7	31.3	111.89	90.0	28.21	319.20	179.09	3	0.898	141.89
	15	126.1	188.4	54.1	111.72	90.0	28.21	319.14	179.21	3	0.898	141.94
	16	120.4	187.7	30.4	111.60	90.0	28.21	319.10	179.30	3	0.898	142.00
	17	111.7	159.1	23.7	111.55	90.0	28.21	319.09	179.32	3	0.898	142.00
	18	90.3	147.7	7.2	111.48	73.3	18.71	319.00	188.80	2	0.912	123.63
	19	23.2	119.6	7.2	111.31	44.0	7.37	319.00	203.32	2	0.846	78.25
	20	30.3	81.6	7.2	111.06	43.1	6.47	319.00	201.47	2	0.855	72.77
	21	47.3	79.4	7.2	111.04	40.3	5.44	319.00	202.30	2	0.843	67.32
	22	44.3	72.9	7.2	111.00	38.3	3.38	319.00	202.42	1	0.900	70.26
	23	43.6	70.6	7.2	110.98	34.4	5.14	319.00	202.88	1	0.904	68.98
	24	64.6	98.4	7.2	110.97	37.4	4.87	319.00	203.16	1	0.906	67.90
	25	45.8	61.9	7.2	110.95	34.4	5.14	319.00	202.94	1	0.904	69.00
	26	47.3	84.2	7.2	111.09	40.3	5.44	319.00	202.25	2	0.843	67.30
	27	55.0	94.7	7.2	111.11	47.8	7.96	319.00	199.94	2	0.873	81.78
	28	79.5	108.1	7.2	111.32	72.3	18.21	319.00	186.57	2	0.913	122.45
	29	63.5	93.7	7.2	111.14	54.3	11.04	319.00	194.82	2	0.896	97.31
	30	44.5	81.6	7.2	111.06	39.3	3.38	319.00	202.56	1	0.900	70.24
	31	40.9	73.0	7.2	111.01	33.7	3.94	319.00	204.02	1	0.912	61.43

Date	Discharge Dm (cms)	Discharge F/H (cms)	RJF or Tail Spillage water level m (cms)	Plant Q (cms)	Loss	Raw level	Effect Head h	Unit sec	Efficiency MW	Output MW	Month y Ave MW	
Apr	1	34.3	64.2	7.2	110.85	29.10	2.95	319.00	205.10	1	0.905	52.91
	2	34.6	61.9	7.2	110.93	27.40	2.41	319.00	205.46	1	0.899	49.56
	3	34.6	58.1	7.2	110.90	27.40	2.41	319.00	205.49	1	0.898	49.57
	4	34.6	50.5	7.2	110.83	27.40	2.41	319.00	205.54	1	0.898	49.58
	5	33.7	50.5	7.2	110.83	24.50	2.43	319.00	205.71	1	0.894	47.77
	6	31.9	50.5	7.2	110.83	21.70	2.30	319.00	205.85	1	0.890	44.13
	7	31.9	44.7	7.2	110.82	21.70	2.30	319.00	205.88	1	0.890	44.14
	8	31.9	44.8	7.2	110.81	24.70	2.13	319.00	206.07	1	0.884	44.09
	9	31.1	42.9	7.2	110.79	23.80	1.90	319.00	206.23	1	0.870	42.43
	10	29.4	42.9	7.2	110.79	22.30	1.72	319.00	206.49	1	0.866	38.86
	11	26.1	41.3	7.2	110.78	18.80	1.24	319.00	206.97	1	0.834	31.94
	12	25.3	39.7	7.2	110.77	18.10	1.14	319.00	207.09	1	0.823	30.31
	13	23.3	38.2	7.2	110.77	18.10	1.14	319.00	207.09	1	0.823	30.31
	14	21.4	36.4	7.2	110.75	15.10	0.97	319.00	207.30	1	0.816	28.46
	15	20.5	34.5	7.2	110.74	15.10	0.97	319.00	207.30	1	0.816	28.46
	16	20.5	33.0	7.2	110.74	15.10	0.87	319.00	207.37	1	0.797	25.19
	17	22.1	38.2	22.1	110.74	0.00	0.77	319.00	207.47	0	0.000	0.00
	18	22.1	34.6	22.1	110.75	0.00	0.77	319.00	207.44	0	0.000	0.00
	19	22.1	34.6	22.1	110.75	0.00	0.77	319.00	207.44	0	0.000	0.00
	20	22.1	34.6	21.0	110.75	0.00	0.70	319.00	207.55	0	0.000	0.00
	21	20.5	33.1	20.5	110.74	0.00	0.62	319.00	207.64	0	0.000	0.00
	22	20.5	33.5	20.5	110.73	0.00	0.62	319.00	207.64	0	0.000	0.00
	23	19.8	31.9	19.8	110.72	0.00	0.55	319.00	207.73	0	0.000	0.00
	24	19.8	30.4	19.8	110.71	0.00	0.55	319.00	207.74	0	0.000	0.00
	25	19.8	28.9	19.8	110.70	0.00	0.55	319.00	207.75	0	0.000	0.00
	26	18.9	28.9	18.9	110.70	0.00	0.48	319.00	207.83	0	0.000	0.00
	27	18.9	28.9	18.9	110.70	0.00	0.48	319.00	207.83	0	0.000	0.00
	28	18.9	28.9	18.9	110.70	0.00	0.48	319.00	207.83	0	0.000	0.00
	29	18.9	28.9	18.9	110.70	0.00	0.48	319.00	207.83	0	0.000	0.00
	30	18.9	28.9	18.9	110.70	0.00	0.48	319.00	207.83	0	0.000	0.00
May	1	19.8	30.4	19.8	110.71	0.00	0.55	319.00	207.74	0	0.000	0.00
	2	21.4	30.4	21.4	110.71	0.00	0.70	319.00	207.99	0	0.000	0.00
	3	22.1	33.5	22.1	110.73	0.00	0.77	319.00	207.90	0	0.000	0.00
	4	20.5	33.3	20.5	110.72	0.00	0.62	319.00	207.66	0	0.000	0.00
	5	20.5	31.9	20.5	110.72	0.00	0.62	319.00	207.67	0	0.000	0.00
	6	20.5	31.9	20.5	110.72	0.00	0.62	319.00	207.67	0	0.000	0.00
	7	18.9	31.9	18.9	110.73	0.00	0.58	319.00	207.75	0	0.000	0.00
	8	18.1	30.4	18.1	110.71	0.00	0.41	319.00	207.88	0	0.000	0.00
	9	16.5	28.9	16.5	110.70	0.00	0.30	319.00	208.00	0	0.000	0.00
	10	16.5	27.3	16.5	110.69	0.00	0.30	319.00	208.01	0	0.000	0.00
	11	15.7	26.1	15.7	110.68	0.00	0.23	319.00	208.07	0	0.000	0.00
	12	15.7	26.1	15.7	110.68	0.00	0.23	319.00	208.07	0	0.000	0.00
	13	15.7	26.1	15.7	110.68	0.00	0.23	319.00	208.07	0	0.000	0.00
	14	14.9	24.9	14.9	110.67	0.00	0.21	319.00	208.13	0	0.000	0.00
	15	13.7	24.9	13.7	110.67	0.00	0.21	319.00	208.08	0	0.000	0.00
	16	20.5	33.5	20.5	110.73	0.00	0.62	319.00	207.66	0	0.000	0.00
	17	23.0	44.8	7.2	110.81	15.10	0.97	319.00	207.32	1	0.797	25.19
	18	22.1	48.6	22.1	110.83	0.00	0.77	319.00	207.39	0	0.000	0.00
	19	21.4	41.3	21.4	110.78	0.00	0.70	319.00	207.51	0	0.000	0.00
	20	19.8	35.1	19.8	110.74	0.00	0.53	319.00	207.71	0	0.000	0.00
	21	18.1	30.4	18.1	110.71	0.00	0.41	319.00	207.88	0	0.000	0.00
	22	17.3	27.3	17.3	110.69	0.00	0.36	319.00	207.94	0	0.000	0.00
	23	16.5	26.1	16.5	110.68	0.00	0.30	319.00	208.02	0	0.000	0.00
	24	15.7	24.9	15.7	110.67	0.00	0.23	319.00	208.08	0	0.000	0.00
	25	14.5	24.9	14.5	110.67	0.00	0.18	319.00	208.16	0	0.000	0.00
	26	13.7	24.9	13.7	110.67	0.00	0.15	319.00	208.18	0	0.000	0.00
	27	13.7	23.6	13.7	110.66	0.00	0.13	319.00	208.19	0	0.000	0.00
	28	13.7	23.6	13.7	110.66	0.00	0.13	319.00	208.19	0	0.000	0.00
	29	13.0	21.6	13.0	110.66	0.00	0.12	319.00	208.22	0	0.000	0.00
	30	13.0	23.6	13.0	110.66	0.00	0.12	319.00	208.22	0	0.000	0.00
	31	13.0	23.6	13.0	110.66	0.00	0.12	319.00	208.22	0	0.000	0.00
Jun	1	12.3	22.4	12.3	110.65	0.00	0.09	319.00	208.24	0	0.000	0.00
	2	12.3	22.4	12.3	110.65	0.00	0.09	319.00	208.24	0	0.000	0.00
	3	11.1	22.4	11.1	110.65	0.00	0.05	319.00	208.30	0	0.000	0.00
	4	11.1	22.4	11.1	110.65	0.00	0.05	319.00	208.30	0	0.000	0.00
	5	10.6	22.4	10.6	110.65	0.00	0.04	319.00	208.31	0	0.000	0.00
	6	10.6	21.2	10.6	110.64	0.00	0.04	319.00	208.32	0	0.000	0.00
	7	11.1	21.2	11.1	110.64	0.00	0.05	319.00	208.30	0	0.000	0.00
	8	40.8	50.5	7.2	110.83	33.80	3.93	319.00	204.22	1	0.912	61.30
	9	60.1	91.2	7.2	111.12	52.80	9.75	319.00	198.12	2	0.888	91.25
	10	37.0	77.2	7.2	111.03	29.80	3.99	319.00	204.84	1	0.907	54.25
	11	25.1	52.4	7.2	110.86	17.90	1.12	319.00	207.22	1	0.833	29.86
	12	18.8	35.2	18.8	110.76	0.00	0.47	319.00	207.77	0	0.000	0.00
	13	18.1	31.5	18.1	110.73	0.00	0.53	319.00	207.64	0	0.000	0.00
	14	17.5	30.4	17.5	110.71	0.00	0.37	319.00	207.92	0	0.000	0.00
	15	16.9	28.9	16.9	110.70	0.00	0.33	319.00	208.08	0	0.000	0.00
	16	16.2	28.9	16.2	110.70	0.00	0.28	319.00	208.02	0	0.000	0.00
	17	17.5	28.9	17.5	110.70	0.00	0.37	319.00	207.93	0	0.000	0.00
	18	16.2	27.3	16.2	110.69	0.00	0.28	319.00	208.05	0	0.000	0.00
	19	15.6	27.3	15.6	110.69	0.00	0.25	319.00	208.07	0	0.000	0.00
	20	16.2	27.3	16.2	110.69	0.00	0.28	319.00	208.03	0	0.000	0.00
	21	33.4	41.3	7.2	110.78	24.20	2.39	319.00	207.81	1	0.895	47.17
	22	41.6	77.2	7.2	111.03	34.40	4.12	319.00	202.85	1	0.911	62.63
	23	34.9	70.6	7.2	110.98	27.20	2.47	319.00	202.34	1	0.900	50.14
	24	27.1	56.2	7.2	110.89	19.20	1.38	319.00	206.73	1	0.844	35.05
	25	23.0	44.7	7.2	110.82	18.80	0.87	319.00	207.19	1	0.797	25.19
	26	21.7	42.9	7.2	110.79	16.80	0.95	319.00	207.56	1	0.806	27.01
	27	21.0	41.3	7.2	110.78	16.80	0.98	319.00	207.53	1	0.797	25.19
	28	20.2	36.4	20.2	110.75	0.00	0.96	319.00	207.66	0	0.000	0.00
	29	18.1	35.1	18.1	110.74	0.00	0.41	319.00	207.83	0	0.000	0.00
	30	17.5	31.9	17.5	110.72	0.00	0.37	319.00	207.90	0	0.000	0.00

## POWER GENERATION SIMULATION

Year: 1978

Dose Ash B  
P.B.L. = 19.00 mRated Head  
Min. Plant Discharge179.30 m  
90.00 m/s

Installed Capacity 142.0 MW

Date	Discharge Date (m/s)	Discharge Rate (m/s)	RMF or Tilt Spillage (m/s)	Level (m)	Plant Q Level (m)	Raw Level (m)	Effect Head (m)	Efficiency Unit (m/s)	Output MW	Month y Ave. MW
Jul	1	169	70.4	169.130.71	0.0	0.37	119.00	207.97	0.0000	0.00
	2	162	70.4	162.130.71	0.0	0.28	119.00	208.01	0.0000	0.00
	3	162	28.9	162.130.70	0.0	0.38	119.00	208.02	0.0000	0.00
	4	169	27.3	169.130.69	0.0	0.33	119.00	207.99	0.0000	0.00
	5	175	27.3	175.130.69	0.0	0.37	119.00	207.99	0.0000	0.00
	6	162	27.3	162.130.69	0.0	0.28	119.00	208.03	0.0000	0.00
	7	156	28.9	156.130.70	0.0	0.23	119.00	208.04	0.0000	0.00
	8	169	27.3	169.130.69	0.0	0.31	119.00	208.11	0.0000	0.00
	9	163	24.1	163.130.68	0.0	0.19	119.00	208.15	0.0000	0.00
	10	157	24.1	157.130.68	0.0	0.15	119.00	208.18	0.0000	0.00
	11	157	24.9	157.130.67	0.0	0.15	119.00	208.18	0.0000	0.00
	12	157	24.9	157.130.67	0.0	0.15	119.00	208.18	0.0000	0.00
	13	157	24.9	157.130.67	0.0	0.15	119.00	208.18	0.0000	0.00
	14	150	24.9	150.130.67	0.0	0.12	119.00	208.21	0.0000	0.00
	15	150	23.6	150.130.66	0.0	0.12	119.00	208.22	0.0000	0.00
	16	150	23.6	150.130.66	0.0	0.12	119.00	208.22	0.0000	0.00
	17	157	23.6	157.130.66	0.0	0.15	119.00	208.19	0.0000	0.00
	18	251	25.7	251.130.77	17.9	1.12	119.00	207.11	0.0022	29.90
	19	454	48.4	454.130.87	38.4	5.14	119.00	202.90	1.0054	68.89
	20	472	81.6	472.111.06	48.0	9.37	119.00	202.97	2.0041	68.75
	21	1023	159.6	1023.111.31	90.0	28.31	119.00	179.51	2.0096	143.00
	22	1455	236.5	1455.111.97	90.0	28.31	119.00	179.00	2.0096	141.80
	23	2005	307.9	2005.112.47	90.0	28.31	119.00	178.71	2.0099	141.43
	24	2068	302.6	2068.112.60	90.0	28.31	119.00	178.58	2.0099	141.57
	25	1613	334.2	1613.112.42	90.0	28.31	119.00	178.63	2.0099	141.60
	26	1163	312.7	1163.111.80	90.0	28.31	119.00	179.01	2.0098	141.84
	27	829	193.4	829.111.57	73.7	19.96	119.00	187.52	2.0011	136.74
	28	640	159.6	640.111.51	58.3	12.04	119.00	189.43	2.0001	101.54
	29	540	94.3	540.111.18	48.8	8.39	119.00	189.55	2.0076	83.64
	30	488	81.6	488.111.06	41.6	6.05	119.00	201.91	2.0049	69.85
	31	454	75.0	454.111.01	32.2	4.32	119.00	202.57	2.0011	62.28
Aug	1	40.0	64.4	72.130.97	32.9	3.75	119.00	204.28	1.0011	79.85
	2	36.3	64.0	72.130.94	33.1	3.39	119.00	204.47	1.0011	78.79
	3	37.0	60.0	72.130.91	28.8	3.69	119.00	205.00	1.0007	54.28
	4	33.4	56.3	72.130.89	24.2	3.39	119.00	205.72	1.0003	47.14
	5	32.0	54.5	72.130.87	24.8	2.14	119.00	205.99	1.0004	44.28
	6	28.9	50.3	72.130.85	22.7	1.79	119.00	206.36	1.0070	39.92
	7	27.8	48.7	72.130.83	20.7	1.49	119.00	206.69	1.0052	35.75
	8	26.5	42.9	72.130.79	18.3	1.30	119.00	206.91	1.0036	32.81
	9	24.5	42.9	72.130.79	19.3	1.30	119.00	206.91	1.0036	32.81
	10	23.7	41.3	72.130.78	18.5	1.19	119.00	207.03	1.0030	31.14
	11	23.1	41.3	72.130.78	17.9	1.12	119.00	207.10	1.0023	29.90
	12	30.4	46.7	72.130.82	23.4	1.91	119.00	206.37	1.0075	41.39
	13	97.2	126.9	72.111.57	90.0	28.31	119.00	179.22	2.0098	141.97
	14	123.5	234.0	123.5112.07	90.0	28.31	119.00	178.94	2.0099	141.74
	15	84.8	170.7	72.111.82	77.6	20.97	119.00	186.41	2.0030	129.04
	16	60.9	123.5	72.111.33	53.7	10.04	119.00	197.43	2.0090	92.39
	17	51.2	96.6	72.111.17	44.0	6.74	119.00	201.09	2.0139	74.47
	18	44.0	83.9	72.111.07	34.8	4.72	119.00	203.31	1.0058	64.54
	19	38.5	72.9	72.111.00	31.3	3.41	119.00	204.59	1.0050	57.10
	20	34.3	64.4	72.130.97	29.1	2.95	119.00	205.08	1.0005	52.81
	21	40.5	64.4	72.130.97	33.6	3.53	119.00	204.10	1.0012	61.27
	22	48.0	75.0	72.111.01	40.8	5.80	119.00	202.19	2.0045	68.31
	23	41.6	72.9	72.111.00	34.4	4.12	119.00	203.84	1.0011	62.44
	24	54.3	64.0	72.130.94	28.1	2.95	119.00	205.11	1.0005	52.82
	25	51.4	60.0	72.130.91	24.3	2.39	119.00	205.70	1.0007	47.14
	26	30.6	52.4	72.130.84	23.4	1.91	119.00	206.23	1.0075	41.38
	27	29.9	48.6	72.130.83	22.7	1.79	119.00	206.37	1.0070	39.92
	28	27.8	46.7	72.130.82	20.7	1.49	119.00	206.69	1.0052	35.75
	29	26.5	44.9	72.130.81	18.7	1.30	119.00	206.90	1.0036	32.81
	30	27.9	44.8	72.130.81	20.7	1.49	119.00	206.70	1.0032	35.74
	31	27.1	46.7	72.130.82	19.3	1.31	119.00	206.90	1.0045	34.06
Sep	1	24.5	44.8	72.130.81	19.3	1.30	119.00	206.90	1.0036	32.81
	2	24.5	44.7	72.130.82	19.1	1.30	119.00	206.88	1.0036	32.80
	3	20.1	36.3	72.111.16	22.9	9.73	119.00	198.10	2.0088	91.22
	4	240.3	327.4	240.3112.40	90.0	28.31	119.00	178.87	2.0099	141.75
	5	282.8	477.9	282.8112.50	90.0	28.31	119.00	178.47	2.0099	141.50
	6	236.2	366.1	236.2112.55	90.0	28.31	119.00	178.71	2.0099	141.45
	7	172.7	273.5	172.7112.16	90.0	28.31	119.00	179.02	2.0098	141.78
	8	199.1	206.5	199.111.83	90.0	28.31	119.00	179.08	2.0098	141.84
	9	108.4	197.4	108.4111.78	90.0	28.31	119.00	179.06	2.0098	141.84
	10	86.6	190.1	72.111.55	82.4	23.45	119.00	183.80	2.0007	134.40
	11	72.6	173.4	72.111.40	63.4	14.90	119.00	192.71	2.0009	112.27
	12	64.2	116.1	72.111.27	37.0	11.32	119.00	196.41	2.0098	96.48
	13	54.3	102.6	72.111.20	49.6	8.37	119.00	199.23	2.0079	85.12
	14	54.0	94.5	72.111.15	48.8	8.39	119.00	199.55	2.0076	83.64
	15	219.1	277.3	219.1112.09	90.0	28.31	119.00	179.13	2.0098	141.91
	16	301.1	405.5	301.1112.87	90.0	28.31	119.00	178.74	2.0099	141.67
	17	213.8	286.4	213.8112.22	90.0	28.31	119.00	178.96	2.0098	141.82
	18	206.8	273.3	206.8112.09	90.0	28.31	119.00	179.00	2.0098	141.80
	19	161.5	231.3	161.5111.96	90.0	28.31	119.00	179.10	2.0098	141.80
	20	91.5	147.7	72.111.44	88.3	27.15	119.00	180.34	2.0002	140.52
	21	80.2	125.1	72.111.34	74.0	18.56	119.00	180.10	2.0012	123.32
	22	70.9	111.3	72.111.25	63.7	14.13	119.00	193.41	2.0007	109.68
	23	62.7	101.1	72.111.19	53.5	10.75	119.00	197.08	2.0005	95.89
	24	54.6	84.7	72.111.11	49.6	8.37	119.00	199.33	2.0079	85.17
	25	51.2	81.6	72.111.04	44.0	6.74	119.00	201.20	2.0059	74.82
	26	48.4	79.4	72.111.04	41.6	6.05	119.00	201.93	2.0049	69.86
	27	44.4	72.9	72.111.00	37.2	5.35	119.00	202.45	1.0001	60.12
	28	44.8	70.6	72.130.98	37.4	4.92	119.00	201.09	1.0004	67.80
	29	48.0	70.6	72.130.98	40.8	5.80	119.00	202.22	2.0045	68.32
	30	46.4	70.6	72.130.98	39.2	5.35	119.00	202.66	1.0001	70.12

100.84

		Discharge Date (mm)	Discharge Rate (cms)	RMF or Tilt Spillage Level (cms)	Plant Q Level (cms)	Raw Level	Effect Head h	Efficiency Unit	Output MW	Month y Ave. MW		
Oct	1	41.6	64.0	72.130.94	34.40	4.12	119.00	209.94	1.0011	62.46		
	2	37.0	60.0	72.130.91	29.80	3.69	119.00	205.00	1.0007	54.28		
	3	33.7	56.2	72.130.89	24.80	3.03	119.00	205.29	1.0003	51.76		
	4	33.4	54.5	72.130.87	24.20	2.39	119.00	205.74	1.0003	47.15		
	5	32.7	52.4	72.130.86	23.50	2.26	119.00	205.88	1.0003	45.72		
	6	31.3	50.3	72.130.83	21.50	2.02	119.00	206.17	1.0000	43.87		
	7	20.9	48.7	72.130.83	21.70	1.79	119.00	206.39	1.0070	39.92		
	8	28.5	46.7	72.130.82	21.70	1.54	119.00	206.60	1.0056	36.99		
	9	27.1	44.8	72.130.81	19.60	1.38	119.00	206.81	1.0043	34.08		
	10	27.9	45.9	72.130.79	20.70	1.49	119.00	206.71	1.0032	35.74		
	11	52.0	44.7	72.130.82	24.80	2.14	119.00	206.04	1.0084	44.39		
	12	31.3	48.4	72.130.83	24.30	2.02	119.00	206.14	1.0080	41.84		
	13	28.5	44.7	72.130.83	21.50	1.58	119.00	206.60	1.0078	34.90		
	14	28.5	41.9	72.130.79	21.50	1.54	119.00	206.43	1.0059	37.00		
	15	34.9	44.7	72.130.82	27.70	2.67	119.00	202.51	1.0000	50.19		
	16	33.4	50.3	72.130.85	24.20	2.39	119.00	205.76	1.0003	47.16		
	17	29.2	44.8	72.130.81	23.00	1.69	119.00	206.51	1.0064	36.44		
	18	37.1	44.8	72.130.81	19.00	1.53	119.00	206.81	1.0045	34.04		
	19	107.3	130.7	117.3	111.34	90.00	24.21	319.04	17.47	2.086	142.00	
	20	302.4	477.4	112.4	112.83	90.00	24.21	319.62	17.99	2.089	141.37	
	21	259.7	380.0	108.7	112.59	90.00	24.21	319.52	17.72	2.088	141.66	
	22	190.4	269.9	100.6	112.13	90.00	24.21	319.35	17.01	2.088	141.84	
	23	121.1	202.4	41.1	111.93	90.00	24.21	319.17	17.16	2.092	141.94	
	24	91.2	144.9	7.2	111.47	84.00	24.97	319.00	18.94	2.093	136.34	
	25	71.7	119.6	7.2	111.31	84.00	24.99	319.00	19.20	2.092	130.92	
	26	90.4	116.8	7.2	111.29	83.20	24.11	319.00	18.90	2.093	135.62	
	27	79.3	116.1	7.2	111.27	82.10	18.00	319.00	18.62	2.092	122.14	
	28	71.8	111.3	7.2	111.25	80.70	16.46	319.00	19.31	2.091	117.57	
	29	44.7	94.6	7.2	111.17	57.00	11.32	319.00	18.65	2.096	93.46	
	30	54.0	84.7	7.2	111.11	48.00	8.29	319.00	19.62	2.097	81.66	
	31	66.0	101.1	7.2	111.13	58.80	12.04	319.00	19.77	2.090	101.63	77.31
Nov	1	136.8	182.5	48.1	111.71	90.00	24.21	319.18	17.24	2.098	142.00	
	2	121.9	125.5	31.9	111.60	90.00	24.21	319.13	17.23	2.098	141.98	
	3	84.6	133.4	7.2	111.40	81.40	23.08	319.00	18.43	2.098	133.60	
	4	130.2	136.3	40.2	111.41	90.00	24.21	319.16	17.93	2.099	142.00	
	5	145.6	182.5	53.6	111.71	90.00	24.21	319.21	17.29	2.099	142.00	
	6	102.1	102.3	90.0	111.71	90.00	24.21	319.17	17.93	2.099	142.00	
	7	86.7	122.1	7.2	111.54	78.20	22.01	319.00	18.64	2.099	131.48	
	8	70.9	101.1	7.2	111.19	43.70	14.13	319.00	19.49	2.098	108.72	
	9	83.5	84.7	7.2	111.11	54.30	11.04	319.00	19.63	2.096	97.33	
	10	41.8	83.9	7.2	111.07	54.40	10.36	319.00	19.74	2.089	94.35	
	11	54.0	83.9	7.2	111.07	44.80	10.29	319.00	19.63	2.076	83.08	
	12	49.6	75.0	7.2	111.01	43.40	8.43	319.00	20.12	2.082	71.42	
	13	44.8	64.2	7.2	110.95	37.40	4.92	319.00	20.32	1.976	57.91	
	14	40.8	61.9	7.2	110.95	32.80	3.73	319.00	20.14	1.932	61.28	
	15	40.0	58.1	7.2	110.90	27.60	3.73	319.00	20.35	1.911	59.87	
	16	38.5	60.0	7.2	110.91	31.30	3.41	319.00	20.68	1.910	57.13	
	17	40.0	61.9	7.2	110.93	32.80	3.73	319.00	20.33	1.911	59.86	
	18	41.8	60.0	7.2	110.91	34.40	4.12	319.00	20.97	1.911	62.67	
	19	47.6	108.1	7.2	111.22	60.40	13.71	319.00	19.97	2.080	104.32	
	20	50.4	120.7	44.2	111.64	90.00	24.21	319.14	17.91	2.098	141.90	
	21	122.7	202.5	35.7	111.81	90.00	24.21	319.13	17.91	2.098	141.93	
	22	301.4	514.4	111.4	112.49	90.00	24.21	319.16	17.49	2.098	141.60	
	23	183.3	300.9	91.3	112.31	90.00	24.21	319.13	17.81	2.089	141.71	
	24	129.4	221.8	39.4	111.91	90.00	24.21	319.13	17.94	2.098	141.64	
	25	97.2	162.0	7.2	111.57	60.00	24.21	319.10	17.32	2.088	141.97	
	26	81.1	126.3	7.2	111.41	71.90	19.02	319.00	18.87	2.051	124.43	
	27	70.9	111.3	7.2	111.23	63.70	14.13	319.00	19.61	2.007	109.44	
	28	61.8	96.3	7.2	111.16	54.00	10.36	319.00	19.64	2.093	94.30	
	29	53.4	83.9	7.2	111.07	44.40	7.50	319.00	20.03	2.048	78.13	
	30	47.2	77.2	7.2	111.03	40.00	5.57	319.00	20.40	2.041	64.74	
Dec	1	44.0	70.6	7.2	110.94	34.80	4.72	319.00	20.30	1.908	64.57	
	2	39.3	66.2	7.2	110.95	31.10	3.99	319.00	20.44	1.911	58.59	
	3	37.0	60.0	7.2	110.91	29.80	3.69	319.00	20.60	1.907	54.28	
	4	38.1	56.2	7.2	110.89	31.30	3.41	319.00	20.70	1.910	57.13	
	5	44.0	64.0	7.2	110.94	34.80	4.72	319.00	20.34	1.908	64.59	
	6	44.4	94.6	7.2	111.17	51.20	14.00	319.00	19.78	2.095	105.67	
	7	72.4	123.1	7.2	111.34	61.40	18.00	319.00	19.76	2.090	122.30	
	8	64.2	108.6	7.2	111.24	57.00	16.32	319.00	19.43	2.096	98.90	
	9	48.1	83.9	7.2	111.07	41.00	6.03	319.00	20.10	2.049	68.93	
	10	52.0	81.6	7.2	111.06	44.80	6.90	319.00	20.25	2.042	76.08	
	11	47.2	79.4	7.2	111.04	34.80	4.91	319.00	20.44	1.910	65.28	
	12	71.8	164.2	7.2	111.55	50.80	13.71	319.00	20.76	2.080	113.80	
	13	34.7	60.0	7.2	110.99	27.00	3.45	319.00	20.53	1.896	57.96	
	14	32.7	54.3	7.2	110.87	25.50	3.26	319.00	20.86	1.904	53.72	
	15	32.7	52.4	7.2	110.84	23.50	3.26	319.00	20.86	1.904	45.72	
	16	37.0	52.4	7.2	110.84	29.80	3.69	319.00	20.65	1.907	54.30	
	17	106.1	101.1	14.1	111.19	90.00	24.21	319.04	17.94	2.098	142.00	
	18	75.0	111.3	7.2	111.23	67.80	14.01	319.00	19.74	2.051	116.00	
	19	54.4	88.7	7.2	111.11	47.20	7.76	319.00	20.13	2.071	80.64	
	20	48.4	72.9	7.2	111.00	39.20	5.55	319.00	20.63	1.901	70.12	
	21	37.9	61.9	7.2	110.93	30.80	3.76	319.00	20.81	1.909	53.81	
	22	32.7	54.3	7.2	110.87	25.50	3.26	319.00	20.86	1.904	45.72	
	23	29.9	50.5	7.2	110.85	22.70	3.19	319.00	20.84	1.870	39.92	
	24	28.9	44.7	7.2	110.82	22.70	1.79	319.00	20.39	1.870	36.92	
	25	59.3	81.6	7.2	111.04	32.10	3.45	319.00	19.49	2.048	68.93	
	26	71.6	186.3	65.4	111.93	90.00	24.21	319.13	17.71	2.090	140.46	
	27	50.6	102.7	7.2	111.13	50.00	13.21	300.01	17.95	2.099	141.23	
	28	27.3	77.2	101.3	110.90	24.00	24.21	319.14	17.49	2.099	141.51	
	29	27.4	37.4	184.1	112.40	90.00	24.21	319.16	17.95	2.098	141.80	
	30	39.2	38.0	249.2	112.59	90.00	24.21	319.17	17.84	2.098	141.79	
	31	34.7	38.8	254.7	112.53	90.00	24.21	319.17	17.96	2.098	141.82	NA

## POWER GENERATION SIMULATION

Year: 1979

Down Axis B  
F.S.L. = 319.00 mRated Head 179.30 m  
Max Plant Discharge 90.00 cms

Installed Capacity: 1410 MW

Date	Discharge Down (cms)	Discharge F.S.L. (cms)	RMP or Tail Spillage water level in (cms)	Plant Q level in (cms)	Loss	Raw level	Effice. Head h	Unit no.	Effice. Output MW	Month Y Ave. MW
Jan. 1	278.0	234.0	188.9	122.38	90.0	28.21	118.98	2	0.898	141.82
2	128.4	209.7	184.1	111.64	90.0	28.21	119.10	2	0.898	141.80
3	118.1	180.4	20.1	111.30	90.0	28.21	119.40	2	0.898	142.00
4	110.2	186.3	20.2	111.34	90.0	28.21	119.07	2	0.898	143.00
5	84.6	147.7	7.2	111.48	72.6	20.97	118.54	2	0.910	120.13
6	70.9	118.6	7.2	111.51	63.7	14.13	118.00	2	0.907	109.65
7	64.0	102.6	7.2	111.50	58.8	12.04	118.00	2	0.901	101.63
8	63.9	93.7	7.2	111.14	54.3	11.04	118.00	2	0.896	97.33
9	60.0	81.2	7.2	111.12	53.7	10.04	118.00	2	0.890	92.70
10	52.8	61.6	7.2	111.04	45.6	7.34	118.00	2	0.845	77.40
11	47.2	70.6	7.2	110.98	40.0	5.37	118.00	2	0.841	64.76
12	43.2	64.0	7.2	110.94	36.0	4.51	118.00	2	0.830	63.31
13	40.0	60.0	7.2	110.91	32.8	3.75	118.00	2	0.811	59.87
14	37.6	58.1	7.2	110.90	30.4	3.24	118.00	2	0.808	55.81
15	34.9	54.3	7.2	110.87	27.7	2.87	118.00	2	0.800	50.17
16	33.4	50.5	7.2	110.85	24.8	2.39	118.00	2	0.793	47.16
17	32.7	50.3	7.2	110.85	23.5	2.24	118.00	2	0.789	43.72
18	30.6	50.5	7.2	110.83	23.4	1.81	118.00	2	0.875	41.38
19	28.9	44.8	7.2	110.81	22.7	1.79	118.00	2	0.870	39.65
20	27.9	42.9	7.2	110.79	20.7	1.49	118.00	2	0.832	31.74
21	26.5	41.3	7.2	110.78	18.5	1.30	118.00	2	0.836	32.81
22	25.1	41.3	7.2	110.78	17.9	1.12	118.00	2	0.833	29.80
23	23.7	38.7	7.2	110.77	14.3	0.95	118.00	2	0.804	27.02
24	23.0	34.4	7.2	110.75	13.8	0.87	118.00	2	0.797	25.39
25	22.2	34.4	22.2	110.75	0.0	0.78	118.00	2	0.800	0.00
26	24.3	34.4	7.2	110.75	17.1	1.02	118.00	2	0.814	28.25
27	27.1	38.7	7.2	110.77	18.9	1.34	118.00	2	0.843	34.07
28	28.2	44.8	7.2	110.81	22.0	1.49	118.00	2	0.844	34.46
29	34.9	42.9	7.2	110.79	17.1	1.02	118.00	2	0.813	28.24
30	32.2	38.7	22.2	110.77	0.0	0.78	118.00	2	0.800	0.00
31	30.9	34.4	20.2	110.75	0.0	0.43	118.00	2	0.800	0.00

Feb. 1	18.8	32.5	18.8	110.75	0.0	0.47	118.00	2	0.800	0.00
2	17.3	30.4	17.3	110.71	0.0	0.37	118.00	2	0.800	0.00
3	17.7	28.9	17.5	110.70	0.0	0.37	118.00	2	0.800	0.00
4	15.6	27.9	15.6	110.69	0.0	0.25	118.00	2	0.800	0.00
5	14.3	26.1	14.3	110.68	0.0	0.18	118.00	2	0.800	0.00
6	13.4	24.9	13.4	110.67	0.0	0.25	118.00	2	0.800	0.00
7	16.2	24.1	16.2	110.66	0.0	0.28	118.00	2	0.800	0.00
8	26.5	27.3	7.2	110.69	19.3	1.30	118.00	2	0.836	32.83
9	42.4	41.3	7.2	110.78	35.2	4.32	118.00	2	0.911	64.05
10	55.7	41.9	7.2	110.75	28.5	2.83	118.00	2	0.903	51.75
11	24.5	54.3	7.2	110.87	18.3	1.30	118.00	2	0.836	32.79
12	28.2	44.8	7.2	110.81	22.0	1.49	118.00	2	0.844	34.46
13	48.0	81.6	7.2	111.06	40.8	3.90	118.00	2	0.845	48.29
14	44.8	83.0	7.2	111.07	37.4	4.87	118.00	2	0.904	47.77
15	34.2	70.8	7.2	110.98	27.0	2.54	118.00	2	0.848	43.74
16	24.3	44.7	7.2	110.82	17.1	1.02	118.00	2	0.813	28.24
17	20.9	38.7	20.9	110.77	0.0	0.65	118.00	2	0.800	0.00
18	18.1	33.5	18.1	110.73	0.0	0.41	118.00	2	0.800	0.00
19	16.9	30.4	16.9	110.71	0.0	0.33	118.00	2	0.800	0.00
20	31.1	33.5	7.2	110.73	24.1	1.02	118.00	2	0.840	41.86
21	32.7	48.6	7.2	110.83	23.5	1.24	118.00	2	0.846	43.73
22	24.3	41.3	7.2	110.78	17.1	1.02	118.00	2	0.813	28.25
23	22.2	35.1	22.2	110.74	0.0	0.78	118.00	2	0.800	0.00
24	30.4	41.3	7.2	110.78	23.4	1.81	118.00	2	0.875	41.39
25	40.1	41.9	7.2	110.93	23.9	5.73	118.00	2	0.889	91.34
26	70.9	52.7	7.2	111.14	53.7	14.13	118.00	2	0.908	102.15
27	60.9	64.2	7.2	111.09	53.7	10.04	118.00	2	0.890	92.72
28	47.2	70.6	7.2	110.98	42.0	5.37	118.00	2	0.841	64.76

Mar. 1	34.1	60.0	7.2	110.91	28.1	2.95	118.00	2	0.905	52.93
2	22.7	30.5	7.2	110.85	23.5	2.26	118.00	2	0.889	45.72
3	28.9	44.8	7.2	110.81	22.7	1.79	118.00	2	0.870	39.93
4	33.5	38.7	7.2	110.77	21.3	1.58	118.00	2	0.838	37.00
5	24.3	34.4	7.2	110.75	17.1	1.02	118.00	2	0.814	28.25
6	22.2	31.9	22.2	110.72	0.0	0.78	118.00	2	0.800	0.00
7	30.2	30.4	20.2	110.71	0.0	0.39	118.00	2	0.800	0.00
8	18.5	27.3	18.5	110.69	0.0	0.33	118.00	2	0.800	0.00
9	25.1	27.3	7.2	110.69	17.9	1.12	118.00	2	0.823	29.92
10	51.2	35.1	7.2	110.74	44.0	6.74	118.00	2	0.859	74.46
11	52.0	60.0	7.2	110.91	44.1	6.99	118.00	2	0.842	76.13
12	48.0	64.0	7.2	110.94	40.8	5.90	118.00	2	0.845	68.54
13	71.7	58.1	7.2	110.90	54.5	14.49	118.00	2	0.904	111.17
14	67.6	108.6	7.2	111.24	80.4	22.51	118.00	2	0.908	132.58
15	130.1	120.6	41.1	111.30	90.0	28.21	118.00	2	0.898	143.00
16	111.1	147.7	21.1	111.44	90.0	28.21	118.00	2	0.898	143.00
17	82.0	111.3	7.2	111.23	74.8	19.48	118.00	2	0.911	125.74
18	62.7	84.2	7.2	111.09	55.5	10.75	118.00	2	0.895	95.95
19	44.0	64.0	7.2	110.94	36.8	4.72	118.00	2	0.804	64.98
20	38.3	52.4	7.2	110.85	32.1	3.39	118.00	2	0.811	58.62
21	31.7	30.5	7.2	110.83	28.3	2.83	118.00	2	0.803	51.77
22	30.4	42.9	7.2	110.79	23.4	1.91	118.00	2	0.875	41.39
23	27.9	38.2	7.2	110.76	20.7	1.49	118.00	2	0.832	35.75
24	24.5	34.6	7.2	110.75	19.3	1.30	118.00	2	0.836	32.82
25	24.5	34.6	7.2	110.75	17.1	1.02	118.00	2	0.814	28.25
26	21.6	31.9	21.6	110.72	0.0	0.72	118.00	2	0.800	0.00
27	30.9	30.4	20.9	110.71	0.0	0.45	118.00	2	0.800	0.00
28	20.9	28.9	20.9	110.70	0.0	0.45	118.00	2	0.800	0.00
29	18.7	27.3	18.7	110.69	0.0	0.33	118.00	2	0.800	0.00
30	18.5	27.3	18.5	110.69	0.0	0.33	118.00	2	0.800	0.00
31	18.5	24.1	18.5	110.68	0.0	0.47	118.00	2	0.800	0.00

Date	Discharge Down (cms)	Discharge FSL (cms)	RMP or Tail Spillage water level in (cms)	Plant Q level in (cms)	Loss	Raw level	Effice. Head h	Unit no.	Effice. Output MW	Month Y Ave. MW	
Apr. 1	31.5	24.1	7.2	110.66	24.0	2.02	118.00	206.50	1	0.880	42.86
2	14.2	24.9	14.2	110.67	0.00	0.28	118.00	208.05	0	0.000	0.00
3	27.9	38.1	7.2	110.90	20.70	1.49	118.00	206.61	1	0.832	35.72
4	70.0	130.6	7.2	111.50	43.80	13.74	118.00	189.76	2	0.906	108.09
5	81.9	144.9	7.2	111.47	74.70	20.49	118.00	187.04	2	0.911	126.03
6	108.6	241.1	74.8	112.01	90.00	28.21	118.00	179.07	2	0.894	141.80
7	117.3	175.6	27.3	111.64	60.00	28.21	118.00	179.33	2	0.898	143.00
8	65.1	106.1	7.2	111.22	57.80	11.48	118.00	184.10	2	0.899	100.07
9	44.8	75.0	7.2	111.01	57.40	4.92	118.00	207.04	1	0.904	67.79
10	34.3	53.1	7.2	110.80	29.10	2.93	118.00	205.15	1	0.805	52.93
11	33.4	52.4	7.2	110.84	26.30	2.39	118.00	205.75	1	0.893	47.15
12	29.9	46.7	7.2	110.82	23.70	1.79	118.00	206.39	1	0.870	39.93
13	24.5	42.9	7.2	110.79	21.30	1.31	118.00	206.63	1	0.836	37.00
14	23.7	41.3	7.2	110.78	18.90	1.19	118.00	207.07	1	0.830	31.14
15	23.5	39.7	7.2	110.77	21.30	1.58	118.00	206.65	1	0.836	37.00
16	21.6	31.9	21.6	110.72	0.00	1.58	118.00	206.39	1	0.836	34.90
17	40.0	77.2	7.2	111.03	32.80	7.39	118.00	204.22	1	0.911	59.87
18	43.5	159.1	7.2	111.43	54.30	11.04	118.00	194.57	2	0.894	97.17
19	90.4	142.0	7.2	111.43	81.30	24.11	118.00	183.44	2	0.904	131.52
20	97.2	104.4	7.2	111.34	90.00	28.21	118.00	179.53	2	0.898	143.00
21	69.3	77.2	7.2	111.03	62.10	13.43	118.00	194.54	2	0.904	107.34
22	53.6	64.0	7.2	110.94	44.40	7.50	118.00	200.56	2	0.848	78.19
23	43.2	54.2	7.2	110.89	34.40	4.51	118.00	200.40	1	0.849	65.33
24	34.3	48.6	7.2	110.83	29.10	2.93	118.00	200.22	1	0.804	47.15
25	34.3	48.6	7.2	110.83	29.10	2.93	118.00	200.22	1	0.805	52.93
26	34.2	46.7	7.2	110.82	27.00	2.34	118.00	200.44	1	0.897	48.78
27	33.4	41.3	7.2	110.78	24.30	2.39	118.00	200.83	1	0.893	47.17
28	29.9	39.7	7.2	110.77	22.70	1.79	118.00	200.43	1	0.870	39.94
29	24.5	39.7	7.2	110.77	21.30	1.58	118.00	200.45	1	0.836	37.00
30	24.5	39.7	7.2	110.77	18.30	1.30	118.00	200.93	1	0.836	32.81

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# POWER GENERATION SIMULATION

Year: 1979      Date Act B      Runed Hand      179.30 m      Installed Capacity      143.0 MW  
 F.S.I. = 319.00 m      Max. Plant Discharge      90.00 m/s

		Discharge (m³/s)	Discharge (m³/s)	R.M.F. or T.M. Spillage water level m (m)	Plant Q (m³/s)	Loss	Run level (m)	Effect Head h (m)	Efficiency Unit m/s	Output MW	Month y Ave MW	
Jul	1	34.3	54.2	7.3	110.93	29.1	2.23	319.00	201.14	1 0.905	33.93	
	2	34.9	54.2	7.3	110.99	27.7	2.47	319.00	202.41	1 0.905	30.17	
	3	51.2	54.3	7.3	110.97	44.0	6.74	319.00	201.30	2 0.839	74.36	
	4	64.0	61.3	7.3	111.12	58.8	12.04	319.00	195.84	3 0.901	101.47	
	5	48.0	72.9	7.3	111.00	60.8	5.80	319.00	202.30	3 0.845	68.31	
	6	40.0	44.0	7.3	110.94	52.8	3.75	319.00	204.31	1 0.911	59.84	
	7	45.1	101.1	7.3	111.19	57.0	11.00	319.00	196.14	3 0.860	100.09	
	8	112.0	107.7	22.0	111.60	90.0	28.21	319.00	179.27	2 0.938	142.00	
	9	126.4	127.2	28.4	112.09	90.0	28.21	319.15	179.83	2 0.939	141.74	
	10	125.5	127.3	28.5	112.09	90.0	28.21	319.24	178.95	2 0.938	141.60	
	11	117.5	126.5	27.3	111.83	90.0	28.21	319.10	179.07	2 0.938	141.84	
	12	96.4	144.9	7.3	111.39	98.1	27.71	319.00	179.70	2 0.909	141.24	
	13	81.1	140.9	7.3	111.43	73.9	18.02	319.00	188.23	2 0.911	124.45	
	14	72.6	122.3	7.3	111.33	65.4	14.90	319.00	191.78	2 0.909	123.31	
	15	64.0	106.6	7.3	111.34	58.8	12.04	319.00	195.72	2 0.901	101.60	
	16	61.8	107.1	7.3	111.39	54.6	10.36	319.00	197.47	2 0.893	94.29	
	17	54.9	91.3	7.3	111.12	49.6	8.57	319.00	199.31	2 0.879	83.16	
	18	54.4	94.2	7.3	111.09	47.2	7.74	319.00	200.13	2 0.871	80.64	
	19	52.8	91.6	7.3	111.06	45.6	7.24	319.00	200.70	2 0.865	77.40	
	20	51.8	83.9	7.3	111.07	45.6	7.24	319.00	200.48	2 0.845	77.99	
	21	51.6	81.4	7.3	111.06	44.4	7.30	319.00	200.44	2 0.848	79.13	
	22	52.0	78.4	7.3	111.04	44.8	6.99	319.00	200.97	2 0.842	74.07	
	23	44.4	75.0	7.3	111.81	39.2	3.35	319.00	202.81	1 0.901	75.12	
	24	44.8	68.4	7.3	110.87	37.6	4.92	319.00	203.11	1 0.906	67.80	
	25	44.8	64.2	7.3	110.95	37.4	4.92	319.00	203.12	1 0.906	67.81	
	26	63.5	72.3	7.3	111.03	54.3	11.04	319.00	196.93	2 0.906	67.39	
	27	64.2	93.7	7.3	111.14	57.0	11.32	319.00	196.53	2 0.899	94.54	
	28	57.6	86.7	7.3	111.11	50.4	8.83	319.00	198.05	2 0.881	86.46	
	29	51.3	75.0	7.3	111.01	44.0	6.74	319.00	201.24	2 0.879	74.54	
	30	44.4	70.6	7.3	110.98	39.2	3.35	319.00	202.84	1 0.901	70.12	
	31	44.8	64.2	7.3	110.97	37.6	4.92	319.00	203.12	1 0.906	67.81	91.16
Aug	1	40.0	64.0	7.3	110.94	52.8	3.75	319.00	204.31	1 0.911	59.86	
	2	57.8	41.9	7.3	110.93	50.6	3.24	319.00	204.81	1 0.909	55.81	
	3	41.6	64.0	7.3	110.94	58.4	5.14	319.00	202.93	1 0.904	60.00	
	4	34.5	64.0	7.3	110.94	51.3	3.41	319.00	204.65	1 0.910	57.12	
	5	37.0	54.2	7.3	110.89	28.8	3.09	319.00	205.02	1 0.907	54.29	
	6	34.8	51.4	7.3	110.86	27.7	2.67	319.00	205.47	1 0.900	50.18	
	7	34.8	50.5	7.3	110.85	27.7	2.67	319.00	205.45	1 0.900	50.18	
	8	35.7	50.3	7.3	110.85	28.5	2.83	319.00	205.37	1 0.903	51.77	
	9	37.8	50.5	7.3	110.85	30.4	3.26	319.00	204.99	1 0.906	53.83	
	10	37.8	54.3	7.3	110.87	30.4	3.26	319.00	204.87	1 0.909	55.83	
	11	37.8	54.3	7.3	110.87	28.5	2.83	319.00	205.30	1 0.907	51.76	
	12	31.4	31.4	7.3	110.86	24.7	2.39	319.00	205.75	1 0.895	47.19	
	13	31.3	44.7	7.3	110.82	24.1	2.02	319.00	206.16	1 0.890	42.84	
	14	33.4	44.7	7.3	110.82	24.2	2.39	319.00	205.79	1 0.895	47.16	
	15	60.1	41.9	7.3	110.93	51.9	8.75	319.00	198.59	2 0.899	91.34	
	16	59.3	75.0	7.3	111.01	52.1	9.45	319.00	198.53	2 0.886	89.85	
	17	50.4	72.9	7.3	111.00	43.2	6.30	319.00	201.50	2 0.884	72.90	
	18	109.2	127.9	13.2	111.34	90.0	28.21	319.04	179.47	2 0.938	142.00	
	19	120.4	141.3	14.4	112.43	90.0	28.21	319.43	178.79	2 0.939	141.70	
	20	205.8	207.0	115.8	112.25	90.0	28.21	319.39	178.93	2 0.938	141.91	
	21	240.8	270.2	130.4	112.15	90.0	28.21	319.48	179.12	2 0.938	141.91	
	22	182.2	215.7	72.3	111.88	90.0	28.21	319.32	179.24	2 0.938	141.99	
	23	106.6	170.7	14.4	111.62	90.0	28.21	319.05	179.23	2 0.938	141.97	
	24	81.1	116.8	7.3	111.29	73.9	18.02	319.00	188.69	2 0.911	134.54	
	25	71.7	101.1	7.3	111.19	64.4	14.49	319.00	193.32	2 0.908	110.99	
	26	64.0	91.2	7.3	111.12	58.8	12.04	319.00	195.84	2 0.901	101.67	
	27	58.3	83.9	7.3	111.07	52.1	9.45	319.00	198.47	2 0.886	90.82	
	28	55.2	81.4	7.3	111.04	48.8	8.02	319.00	198.92	2 0.874	82.18	
	29	51.2	75.0	7.3	111.01	44.0	6.74	319.00	201.24	2 0.879	74.54	
	30	48.0	64.4	7.3	110.97	40.8	5.80	319.00	202.23	2 0.845	68.33	
	31	43.0	64.2	7.3	110.97	40.8	5.80	319.00	202.23	2 0.845	68.33	82.06
Sep	1	47.2	70.6	7.3	110.98	40.0	5.37	319.00	202.44	2 0.841	66.76	
	2	41.8	123.1	7.3	111.34	54.6	10.36	319.00	197.27	2 0.892	94.20	
	3	60.9	122.5	7.3	111.33	53.7	10.04	319.00	197.63	2 0.890	92.39	
	4	52.3	96.3	7.3	111.14	45.6	7.24	319.00	200.40	2 0.845	77.55	
	5	51.2	83.9	7.3	111.07	44.0	6.74	319.00	201.18	2 0.839	74.51	
	6	48.0	72.2	7.3	111.05	40.8	5.80	319.00	202.17	2 0.845	68.30	
	7	44.0	68.4	7.3	110.97	34.8	4.72	319.00	203.31	1 0.858	64.57	
	8	38.3	64.2	7.3	110.95	31.3	3.41	319.00	204.63	1 0.810	57.11	
	9	37.0	61.9	7.3	110.93	29.8	3.00	319.00	204.98	1 0.807	54.28	
	10	34.3	64.4	7.3	110.97	21.3	3.41	319.00	204.62	1 0.810	57.11	
	11	107.5	170.7	17.3	111.62	90.0	28.21	319.06	179.23	2 0.938	141.96	
	12	237.4	224.0	147.6	112.38	90.0	28.21	319.47	178.84	2 0.938	141.76	
	13	162.8	206.9	102.8	112.31	90.0	28.21	319.33	178.83	2 0.939	141.73	
	14	179.0	280.7	89.0	112.34	90.0	28.21	319.31	178.87	2 0.939	141.75	
	15	171.7	273.5	81.7	112.16	90.0	28.21	319.29	178.92	2 0.938	141.78	
	16	135.1	218.7	61.1	111.99	90.0	28.21	319.17	179.07	2 0.938	141.68	
	17	104.8	179.6	44.9	111.67	90.0	28.21	319.05	179.16	2 0.938	141.94	
	18	94.4	164.9	7.3	111.39	88.2	27.71	319.00	179.70	2 0.909	141.24	
	19	92.5	164.9	7.3	111.39	88.3	27.15	319.00	180.24	2 0.900	140.43	
	20	83.9	144.9	7.3	111.47	74.7	20.49	319.00	181.04	2 0.911	128.03	
	21	71.7	125.1	7.3	111.34	64.4	14.49	319.00	193.17	2 0.908	110.99	
	22	67.6	116.8	7.3	111.29	60.4	12.71	319.00	195.00	2 0.903	104.27	
	23	61.1	107.7	7.3	111.48	73.9	18.02	319.00	186.50	2 0.912	124.43	
	24	90.4	170.7	7.3	111.62	83.2	24.11	319.00	183.37	2 0.908	135.40	
	25	77.4	167.7	7.3	111.48	70.4	17.26	319.00	190.35	2 0.911	119.64	
	26	72.6	157.4	7.3	111.40	63.4	14.90	319.00	192.71	2 0.909	122.27	
	27	69.3	125.1	7.3	111.34	61.3	13.43	319.00	194.23	2 0.904	107.05	
	28	60.9	108.6	7.3	111.24	53.7	10.04	319.00	197.72	2 0.890	92.64	
	29	64.4	101.1	7.3	111.19	61.2	13.04	319.00	194.77	2 0.905	105.64	
	30	61.9	157.4	7.3	111.52	74.7	20.49	319.00	186.99	2 0.911	124.00	

108.32

Date	Discharge Dam (cms)	Discharge F.M. (cms)	R.M.F. = T.M. Spillage water level m (cms)	Plant Q (cms)	Run level (cms)	Eff. Head h (cms)	Efficiency Unit m/s	Output MW	Month y Ave MW		
Oct	1	208.1	317.1	119.1	112.33	90.00	28.21	319.40	178.83	2 0.938	141.73
	2	412.3	448.2	222.3	113.25	90.00	28.21	319.81	178.58	2 0.939	141.44
	3	524.4	502.5	434.4	113.43	90.00	28.21	320.54	178.30	2 0.939	141.32
	4	447.4	448.2	377.4	113.25	90.00	28.21	319.81	178.44	2 0.938	141.48
	5	412.3	523.5	522.3	112.96	90.00	28.21	319.84	178.65	2 0.939	141.61
	6	430.6	544.8	330.6	113.07	90.00	28.21	319.84	178.58	2 0.939	141.57
	7	483.0	592.8	377.0	113.74	90.00	28.21	319.84	177.99	2 0.939	141.19
	8	645.1	1152.4	533.1	114.49	90.00	28.21	320.24	177.54	2 0.930	140.90
	9	534.4	1314.3	446.4	114.17	90.00	28.21	320.04	177.69	2 0.930	140.99
	10	430.6	786.7	730.6	113.35	90.00	28.21	319.86	178.29	2 0.939	141.34
	11	436.1	585.5	546.3	113.11	90.00	28.21	319.84	178.57	2 0.939	141.63
	12	649.0	523.5	159.2	112.96	90.00	28.21	319.81	178.72	2 0.939	141.54
	13	440.6	507.0	70.6	112.94	90.00	28.21	319.93	178.76	2 0.939	141.99
	14	413.1	705.5	722.1	113.32	90.00	28.21	319.85	178.32	2 0.939	141.40
	15	402.8	899.9	312.8	115.24	90.00	28.21	319.83	178.37	2 0.939	141.43
	16	453.4	581.4	534.4	113.10	90.00	28.21	319.82	178.81	2 0.939	141.33
	17	440.4	577.6	370.6	112.99	90.00	28.21	319.86	178.69	2 0.939	141.66
	18	779.3	451.1	289.3	112.54	90.00	28.21	319.79	178.73	2 0.939	141.66
	19	294.0	154.8	204.9	112.50	90.00	28.21	319.60	178.39	2 0.938	141.77
	20	246.6	297.0	156.6	112.33	90.00	28.21	319.49	178.03	2 0.938	141.85
	21	204.7	254.0	114.7	112.07	90.00	28.21	319.39	177.11	2 0.938	141.90
	22	132.1	206.5	42.1	111.83	90.00	28.21	319.16	176.13	2 0.938	141.91
	23	103.2	187.6	13.2	111.30	90.00	28.21	319.04	175.32	2 0.938	142.00
	24	112.8	162.0	22.8	111.37	90.00	28.21	318.98	175.30	2 0.938	142.00
	25	297.4	437.7	204.7	112.82	90.00	28.21	318.61	174.58	2 0.939	141.54
	26	380.7	503.2	290.7	112.93	90.00	28.21	318.78	174.63	2 0.939	141.80
	27	422.1	487.9	323.1	112.90	90.00	28.21	318.64	174.75	2 0.939	141.67
	28	376.0	416.2	284.0	112.70	90.00	28.21	318.77	174.85	2 0.939	141.74
	29	348.7	423.4	258.7	112.73	90.00	28.21	318.72	174.78	2 0.939	141.69
	30	403.8	519.4	316.4	112.87	90.00	28.21	318.83	174.64	2 0.939	141.89
	31	410.9	515.3	320.9	112.96	90.00	28.21	318.84	174.67	2 0.939	141.62
Nov	1	398.4	430.3	508.4	112.83	90.00	28.21	319.81	178.72	2 0.939	141.66
	2	331.4	419.8	241.4	112.72	90.00	28.21	319.72	178.80	2 0.939	141.70
	3	542.1	401.7	252.1	112.66	90.00	28.21	318.70	178.83	2 0.939	141.73
	4	240.2	334.2	173.2	112.42	90.00	28.21	318.53	178.90	2 0.939	141.77
	5	187.4	234.0	97.4	112.07	90.00	28.21	318.34	179.06	2 0.938	141.87
	6	136.5	215.7	64.5	111.88	90.00	28.21	318.25	179.17	2 0.938	141.94
	7	178.8	176.8	43.8	111.46	90.00	28.21	318.19	179.32	2 0.938	142.00
	8	178.8	189.7	83.8	111.24	90.00	28.21	318.30	179.65	2 0.938	141.74
	9	208.0	405.3	305.3	110.50	90.00	28.21	318.39	178.55	2 0.939	141.81
	10	215.8	405.3	125.3	112.67	90.00	28.21	318.43	178.57	2 0.939	141.84
	11	370.5	447.6	105.5	112.22	90.00	28.21	318.35	178.13	2 0.939	141.57
	12	387.4	540.1	197.4	110.02	90.00	28.21	318.39	178.34	2 0.939	141.62
	13	340.8	470.1	150.8	112.46	90.00	28.21	318.48	178.61	2 0.939	141.58
	14	182.2	330.5	92.3	112.37	90.00	28.21	318.32	178.75	2 0.939	141.67
	15	138.8	272.8	48.9	111.99	90.00	28.21	318.19	178.99	2 0.939	141.83
	16	122.8	208.3	32.8	111.83	90.00	28.21	318.13	178.09	2 0.939	141.89
	17	120.9	194.4	30.9	111.74	90.00	28.21	318.12	178.13	2 0.939	141.93
	18	124.7	203.5	34.7	111.81	90.00	28.21	318.13	178.12	2 0.939	141.91
	19	125.5	184.4	35.5	111.74	90.00	28.21	318.14	178.17	2 0.939	141.94
	20	108.4	179.6	18.4	111.44	90.00	28.21	318.04	178.91	2 0.939	141.97
	21	92.1	150.6	7.2	111.30	89.30	25.10	318.00	182.39	2 0.904	137.34
	22	98.8	147.7	7.2	111.48	82.40	25.60	318.00	182.87	2 0.907	126.64
	23	110.0	173.9	33.0	111.29	90.00	28.21	318.10	178.77	2 0.938	142.00
	24	119.9	173.6	19.9	111.31	90.00	28.21	318.12	178.77	2 0.938	142.00
	25	217.9	405.3	127.9	112.67	90.00	28.21	318.42	178.54	2 0.939	141.54
	26	215.8	341.2	133.8	112.45	90.00	28.21	318.43	178.74	2 0.939	141.68
	27	197.1	246.9	107.1	112.13	90.00	28.21	318.37	178.02	2 0.938	141.83
	28	133.5	209.7	37.9	111.84	90.00	28.21	318.14	178.06	2 0.938	141.80
	29	109.8	170.7	15.8	111.62	90.00	28.21	318.05	178.22	2 0.938	141.97
	30	96.4	156.3	7.2	111.54	89.30	27.71	318.00	179.73	2 0.939	141.29
Dec	1	106.6	170.7	16.6	111.42	90.00	28.21	318.05	179.22	2 0.938	141.97
	2	143.6	162.0	33.6	111.57	90.00	28.21	318.30	179.42	2 0.939	142.00
	3	120.1	184.9	30.1	111.59	90.00	28.21	318.12	179.33	2 0.939	142.00
	4	172.7	234.5	82.7	111.87	90.00	28.21	318.30	179.11	2 0.939	141.91
	5	244.4	345.5	174.4	112.46	90.00	28.21	318.37	178.86	2 0.939	141.75
	6	198.2	284.4	108.2	112.22	90.00	28.21	318.37	178.94	2 0.939	141.79
	7	193.8	347.5	107.6	112.24	90.00	28.21	318.33	179.10	2 0.938	141.90
	8	236.2	284.4	146.2	112.22	90.00	28.21	318.47	179.03	2 0.938	141.86
	9	172.7	218.7	82.7	111.89	90.00	28.21	318.30	179.50	2 0.938	141.94
	10	181.5	194.4	71.5	111.74	90.00	28.21	318.24	178.29	2 0.938	142.00
	11	221.4	347.9	131.4	112.47	90.00	28.21	318.43	178.75	2 0.939	141.67
	12	179.6	334.5	83.8	111.97	90.00	28.21	318.31	179.12	2 0.938	141.93
	13	246.6	354.0	156.6	112.07	90.00	28.21	318.49	178.91	2 0.939	141.97
	14	249.0	334.2	190.0	112.42	90.00	28.21	318.30	178.87	2 0.939	141.75
	15	378.9	631.0	189.9	113.19	90.00	28.21	318.57	178.17	2 0.939	141.36
	16	306.2	539.8	216.2	113.07	90.00	28.21	318.63	178.34	2 0.939	141.61
	17	318.3	572.1	272.1	112.99	90.00	28.21	318.65	178.59	2 0.939	141.57
	18	260.2	387.2	190.2	112.81	90.00	28.21	318.57	178.73	2 0.939	141.67
	19	223.6	314.6	113.6	112.34	90.00	28.21	318.44	178.80	2 0.938	141.74
	20	182.6	254.0	72.6	112.07	90.00	28.21	318.27	178.98	2 0.939	141.82
	21	133.0	202.7	43.0	111.84	90.00	28.21	318.17	179.13	2 0.939	141.91
	22	120.1	191.4	30.1	111.74	90.00	28.21	318.12	179.14	2 0.938	141.94
	23	109.3	179.6	19.3	111.64	90.00	28.21	318.07	179.23	2 0.938	141.97
	24	98.8	153.4	8.8	111.52	90.00	28.21	318.01	179.35	2 0.938	142.00
	25	91.2	139.1	7.2	111.43	84.00	24.97	318.00	182.99	2 0.903	136.37
	26	83.6	127.9	7.2	111.36	74.80	24.50	318.00	183.15	2 0.911	123.99
	27	80.2	116.1	7.2	111.27	71.00	24.54	318.00	184.17	2 0.912	123.37
	28	70.0	106.1	7.2	111.23	63.80	23.74	318.00	184.60	2 0.907	126.24
	29	41.1	116.1	7.2	111.14	37.80	11.99	318.00	184.14	2 0.900	100.09
	30	40.9	93.7	7.2	111.14	31.70	10.24	318.00	184.12	2 0.890	92.70
	31	121.9	130.7	11.0	111.14	32.20	10.24	318.13	179.70	2 0.900	116.00

## POWER GENERATION SIMULATION

Year: 1980

Dec Ave 8  
P.S.L. = 519.00 mRund Head  
Min. Plant Discharge  
179.30 m  
90.00 m/s

Installed Capacity 1410 MW

Date	Discharge Dec (m/s)	Discharge P.H. (m/s)	RMP or Tail Spillage water level (m)	Plant Q (m³/s)	Loss	Rund level	Effici. Head h (m)	Effici. Unit h (m)	Output MW	Month Y Ave MW
Jan. 1	142.6	170.7	52.6	111.63	90.0	28.31	519.20	179.37	2.039	142.00
2	90.4	130.4	7.2	111.40	83.2	34.11	519.03	183.90	2.906	133.53
3	70.0	98.6	7.2	111.17	82.8	13.74	519.00	194.09	2.937	108.29
4	61.8	86.2	7.2	111.09	34.6	10.39	519.00	197.93	2.993	94.34
5	54.5	78.4	7.2	111.04	48.6	8.57	519.00	199.99	2.979	85.20
6	52.8	77.3	7.2	111.03	43.4	7.84	519.00	200.71	2.983	79.41
7	47.4	61.4	7.2	111.06	48.4	12.77	519.00	195.34	2.985	104.61
8	55.8	125.1	7.2	111.34	84.4	14.12	519.00	181.54	2.950	139.01
9	191.7	250.7	101.7	112.05	90.0	28.31	519.31	179.09	2.980	141.80
10	211.5	340.0	121.5	112.99	90.0	28.31	519.40	178.41	2.999	141.58
11	198.2	320.3	108.3	112.37	90.0	28.31	519.37	178.79	2.999	141.70
12	121.9	191.4	31.9	111.74	90.0	28.31	519.12	179.17	2.978	141.94
13	108.4	175.4	18.4	111.64	90.0	28.31	519.04	179.21	2.984	141.87
14	60.3	142.0	7.2	111.43	73.0	18.96	519.00	198.90	2.912	132.23
15	70.0	111.3	7.2	111.25	63.8	13.74	519.00	194.01	2.957	108.24
16	64.0	109.8	7.2	111.20	39.6	13.37	519.00	195.42	2.950	101.89
17	88.4	108.1	7.2	111.22	41.3	13.04	519.00	194.73	2.955	105.65
18	115.2	147.2	35.5	111.42	90.0	28.31	519.10	179.40	2.988	142.00
19	140.5	229.7	74.5	111.84	90.0	28.31	519.17	179.22	2.998	141.97
20	174.9	283.1	146.9	112.21	90.0	28.31	519.31	178.99	2.998	141.74
21	114.3	194.4	54.7	111.79	90.0	28.31	519.10	179.13	2.998	141.92
22	87.6	147.7	7.2	111.48	80.4	22.51	519.00	185.00	2.950	132.42
23	74.2	123.5	7.2	111.37	67.0	13.63	519.00	190.04	2.930	114.74
24	84.7	123.5	7.2	111.33	87.5	24.64	519.00	181.01	2.990	139.88
25	128.4	179.6	34.4	111.64	90.0	28.31	519.15	179.30	2.998	142.00
26	154.4	244.3	64.4	112.02	90.0	28.31	519.24	179.01	2.998	141.84
27	133.9	228.1	43.9	111.84	90.0	28.31	519.18	179.03	2.998	141.83
28	108.4	185.3	18.4	111.71	90.0	28.31	519.04	179.14	2.988	141.93
29	105.2	182.5	13.2	111.69	90.0	28.31	519.04	179.14	2.988	141.93
30	95.3	164.9	7.2	111.39	84.5	27.13	519.00	180.24	2.950	140.45
31	92.2	131.4	7.2	111.40	73.0	18.96	519.00	198.94	2.912	132.29
127.84										
Feb. 1	72.4	114.1	7.2	111.27	43.4	14.90	519.00	192.83	2.959	112.34
2	67.6	108.4	7.2	111.24	30.4	12.71	519.00	195.06	2.950	104.31
3	62.7	98.6	7.2	111.17	35.5	10.75	519.00	197.10	2.989	93.90
4	57.4	91.2	7.2	111.12	30.4	8.85	519.00	199.23	2.981	84.65
5	53.8	83.9	7.2	111.07	43.4	7.84	519.00	200.64	2.945	77.59
6	51.2	77.2	7.2	111.05	44.0	6.74	519.00	201.23	2.939	74.53
7	45.5	111.3	7.2	111.25	54.3	11.04	519.00	194.71	2.994	97.27
8	64.0	111.3	7.2	111.25	39.6	12.37	519.00	195.37	2.962	102.95
9	52.8	83.9	7.2	111.07	43.4	7.84	519.00	200.64	2.945	77.59
10	40.8	73.0	7.2	111.01	33.6	3.93	519.00	204.05	2.912	61.25
11	35.2	58.7	7.2	111.11	48.4	8.02	519.00	199.87	2.934	82.15
12	38.3	125.1	7.2	111.34	52.1	9.45	519.00	198.20	2.944	89.67
13	35.2	114.8	7.2	111.29	48.4	8.02	519.00	199.89	2.934	82.06
14	48.4	93.7	7.2	111.14	43.4	6.34	519.00	201.40	2.932	71.38
15	34.3	77.2	7.2	111.03	29.1	2.95	519.00	205.02	2.935	52.89
16	41.6	70.6	7.2	110.99	34.4	4.12	519.00	203.99	2.931	62.44
17	38.5	73.0	7.2	111.01	31.3	3.41	519.00	204.57	2.930	57.10
18	42.0	77.2	7.2	111.03	48.4	5.80	519.00	202.17	2.945	64.30
19	63.5	83.9	7.2	111.07	54.3	11.04	519.00	194.99	2.994	97.97
20	43.4	83.9	7.2	111.07	35.2	4.72	519.00	203.41	2.931	65.94
21	40.0	64.4	7.2	110.97	32.8	3.75	519.00	204.28	2.931	59.85
22	35.7	64.0	7.2	110.94	28.5	2.83	519.00	205.23	2.903	51.74
23	35.7	41.9	7.2	110.93	28.5	2.83	519.00	205.23	2.903	51.75
24	34.9	81.4	7.2	111.04	27.7	2.67	519.00	205.27	2.900	50.12
25	34.8	86.2	7.2	111.09	49.4	4.57	519.00	199.34	2.939	63.18
26	30.4	63.7	7.2	111.14	43.2	4.50	519.00	201.24	2.934	72.93
27	27.4	86.3	7.2	111.16	60.4	12.71	519.00	195.14	2.993	104.35
28	74.2	119.4	7.2	111.31	67.0	13.63	519.00	192.06	2.930	114.77
29	118.5	197.4	34.5	111.78	90.0	28.31	519.11	179.12	2.994	141.91
81.05										
Mar. 1	375.6	446.0	245.6	112.79	90.0	28.31	519.69	178.69	2.999	141.64
2	307.4	394.5	217.4	112.44	90.0	28.31	519.63	178.78	2.999	141.70
3	340.5	477.9	270.5	112.90	90.0	28.31	519.74	178.43	2.999	141.60
4	336.1	307.0	246.1	112.94	90.0	28.31	519.69	178.54	2.999	141.54
5	327.9	540.1	277.9	113.02	90.0	28.31	519.67	178.45	2.999	141.48
6	398.4	440.3	324.4	112.96	90.0	28.31	519.81	178.72	2.999	141.65
7	357.9	423.4	267.9	112.73	90.0	28.31	519.73	178.80	2.999	141.71
8	319.0	390.8	225.0	112.62	90.0	28.31	519.63	178.81	2.999	141.71
9	313.8	440.3	223.8	112.84	90.0	28.31	519.64	178.55	2.999	141.53
10	302.4	408.9	212.4	112.44	90.0	28.31	519.42	178.73	2.999	141.64
11	285.0	354.4	195.0	112.30	90.0	28.31	519.38	178.87	2.999	141.75
12	262.8	311.4	191.8	112.49	90.0	28.31	519.38	178.88	2.998	141.75
13	298.9	416.2	209.9	112.70	90.0	28.31	519.61	178.70	2.999	141.64
14	302.4	396.1	212.4	112.65	90.0	28.31	519.62	178.74	2.999	141.64
15	220.3	313.4	130.3	112.34	90.0	28.31	519.45	178.96	2.998	141.76
16	163.4	231.2	53.6	111.96	90.0	28.31	519.21	179.04	2.998	141.84
17	115.3	191.4	23.5	111.74	90.0	28.31	519.10	179.14	2.998	141.93
18	104.9	167.7	14.9	111.60	90.0	28.31	519.05	179.23	2.998	141.98
19	95.5	153.4	7.2	111.52	84.3	27.13	519.00	190.33	2.950	140.49
20	92.0	144.9	7.2	111.47	73.8	23.64	519.00	191.89	2.950	138.51
21	81.1	127.9	7.2	111.34	63.9	19.02	519.00	198.42	2.931	124.51
22	73.6	119.4	7.2	111.31	63.4	14.90	519.00	192.80	2.909	112.32
23	47.6	114.1	7.2	111.27	40.4	12.71	519.00	195.02	2.903	104.29
24	63.7	102.6	7.2	111.20	32.5	10.75	519.00	197.07	2.995	93.98
25	82.1	86.7	7.2	111.11	32.9	9.75	519.00	198.15	2.988	91.26
26	57.6	75.4	7.2	111.04	30.4	8.85	519.00	199.11	2.982	84.69
27	71.7	81.6	7.2	111.06	64.5	14.49	519.00	193.45	2.958	111.07
28	94.7	108.6	7.2	111.24	87.5	24.64	519.00	181.10	2.991	139.94
29	88.4	120.4	7.2	111.40	82.4	23.65	519.00	183.96	2.967	134.70
30	93.0	114.1	7.2	111.27	85.6	25.44	519.00	182.09	2.957	138.28
31	77.6	116.1	7.2	111.22	70.4	17.26	519.00	190.45	2.931	119.74
131.87										

Date	Discharge (cfs)	Discharge PAI (cfs)	RMP or Tail Spillage level (ft)	Plant Q (cfs)	Loss	Rund level	Effici. Head h (ft)	Effici. Unit h (ft)	Output MW	Month Y Ave MW
Apr. 1	68.4	81.4	7.2	111.04	61.20	13.04	519.00	194.90	2.950	105.74
2	60.9	91.2	7.2	111.12	23.70	10.04	519.00	197.83	2.980	92.70
3	53.6	83.9	7.2	111.07	44.40	7.50	519.00	200.43	2.958	79.15
4	52.0	78.4	7.2	111.04	44.80	4.99	519.00	203.97	2.942	76.07
5	47.3	73.0	7.2	111.01	40.00	5.37	519.00	202.41	2.941	66.74
6	44.4	72.9	7.2	111.00	38.20	5.55	519.00	202.65	2.901	70.13
7	43.4	48.4	7.2	110.97	31.20	4.22	519.00	203.72	2.911	64.00
8	40.8	44.2	7.2	110.93	31.40	3.93	519.00	204.11	2.912	61.27
9	40.8	61.9	7.2	110.93	31.40	3.93	519.00	204.14	2.912	61.28
10	40.0	61.9	7.2	110.93	31.80	3.75	519.00	204.37	2.911	59.86
11	38.5	64.0	7.2	110.94	31.80	3.41	519.00	204.63	2.910	57.12
12	35.7	64.0	7.2	110.94	28.50	2.83	519.00	205.23	2.902	51.74
13	38.8	123.4	8.8	111.40	90.00	28.21	519.01	179.40	2.988	143.00
14	63.1	105.5	7.2	111.71	57.00	11.68	519.00	195.42	2.990	99.79
15	223.6	317.1	131.6	112.55	90.00	28.31	519.44	178.87	2.939	141.73
16	126.7	379.9	84.7	112.19	80.00	28.21	519.20	179.20	2.986	141.77
17	112.0	191.4	22.0	111.74	90.00	28.21	519.00	179.13	2.958	141.91
18	82.9	179.1	7.2	111.63	75.70	18.94	519.00	187.41	2.911	126.80
19	71.7	116.8	7.2	111.29	64.50	14.49	519.00	199.22	2.908	110.97
20	64.2	106.1	7.2	111.22	57.00	11.32	519.00	196.44	2.906	94.51
21	57.6	101.1	7.2	111.19	50.40	8.85	519.00	198.94	2.881	84.22
22	34.4	84.7	7.2	111.11	47.20	7.74	519.00	200.13	2.871	80.64
23	31.2	79.4	7.2	111.04	44.00	6.74	519.00	201.21	2.859	74.52
24	48.0	73.0	7.2	111.01	40.00	5.80	519.00	202.19	2.845	64.31
25	43.4	72.9	7.2	111.00	38.40	5.14	519.00	202.84	2.804	68.08
26	44.0	70.4	7.2	110.96	36.80	4.72	519.00	202.30	2.908	64.57
27	42.4	44.4	7.2	110.97	35.20	4.32	519.00	202.72	2.911	64.00
28	40.0	44.2	7.2	110.95	32.80	3.75	519.00	204.30	2.911	59.85
29	39.3	44.0	7.2	110.94	32.10	3.59	519.00	204.47	2.911	59.59
30	38.5	61.9	7.2	110.93	31.30	3.41	519.00	204.64	2.910	57.12
54.45										
May 1	38.5	61.9	7.2	110.93	31.30	3.41	519.00	204.64	2.910	57.12
2	73.0	83.9	7.2	111.07	67.80	14.01	519.00	191.92	2.911	111.11
3	90.4	125.1	7.2	111.34	83.20	24.11	519.00	183.53	2.904	135.59
4	99.3	102.6	7.2	111.20	52.30	9.45	519.00	196.54	2.886	89.75
5	44.0	72.9	7.2	111.00	38.40	4.72	519.00	202.28	2.908	64.57
6	41.4	64.0	7.2	110.94	34.40	4.12	519.00	202.94	2.911	62.66
7	38.5	61.9	7.2	110.93	31.30	3.41	519.00	204.66	2.910	57.12
8	40.9	89.6	7.2	110.97	33.70	3.54	519.00	204.94	2.980	97.74
9	98.1	142.0	8.8	111.40	90.00	28.21	519.01	179.15	2.988	143.00
10	98.1	147.7	8.8	111.48	90.00	28.21	519.01	179.31	2.988	143.00
11	124.7	153.4	34.7	111.52	90.00	28.21	515.13	179.41	2.988	143.00
12	127.4	197.4	37.4	111.78	90.00	28.21	515.15	179.14	2.988	143.04
13	91.2	142.0	7.2	111.45	84.00	24.37	519.00	182.94	2.905	134.55
14	72.4	114.1	7.2	111.27	65.40	14.80	519.00	192.83	2.909	112.34
15	64.2	101.1	7.2	111.19	57.00	11.32	519.00	196.30	2.886	96.32
16	59.3	84.7	7.2	111.11	52.30	9.45	519.00	198.44	2.886	86.80
17	40.1	83.9	7.2	111.07	50.90	9.73	519.00	198.18	2.908	91.28
18	40.9	83.9	7.2	111.07	51.70	10.04	519.00	197.84	2.960	92.73
19	57.4	86.2	7.2	111.09	50.40	8.83	519.00	199.06	2.911	84.67
20	99.3	83.9	7.2	111.07	52.30	9.45	519.00	198.47	2.908	89.82
21	59.3	98.7	7.2	111.14	52.30	9.45	519.00	198.41	2.914	89.78
22	84.8	105.6	7.2	111.16	81.20	24.34	519.00	184.69	2.905	135.87
23	84.8	111.3	7.2	111.25	77.40	20.97	519.00	184.77	2.910	126.38
24	67.4	93.7	7.2	111.14	60.40	12.71	519.00	195.15	2.902	104.34
25	39.3	83.9	7.2	111.07	52.10	9.45	519.00	198.47	2.906	89.82
26	54.4	73.0	7.2	111.01	47.20	7.74	519.00	200.23	2.871	80.68
27	51.2	73.0	7.2	111.01	44.00	6.74	519.00	201.34	2.859	74.54
28	49.4	70.4	7.2	110.96	42.40	6.24	519.00	201.75	2.832	71.44
29	41.4	64.0	7.2	110.94	34.40	4.12	519.00	202.94	2.911	62.66
30	31.2	61.9	7.2	110.93	34.40	4.74	519.00	201.33	2.859	74.58
31	48.8	61.9	7.2	110.93	31.60	4.92	519.00	202.15	2.906	67.82
97.54										
Jun. 1	43.2	61.9	7.2	110.93	31.60	4.92	519.00	202.54	2.910	65.32
2	41.6	64.0	7.2	110.94	34.40	4.12	519.00	202.94	2.911	62.66
3	41.6	61.9	7.2	110.93	34.40	4.12	519.00	202.95	2.911	62.66
4	37.8	56.2	7.2	110.89	30.80	3.24	519.00	204.83	2.909	53.82
5	34.9	52.4	7.2	110.84	27.70	2.67	519.00	206.47	2.900	50.18
6	34.2	50.5	7.2	110.85	27.00	2.54	519.00	205.61	2.897	48.78
7	35.7	48.4	7.2	110.83	24.80	2.83	519.00	205.34	2.901	51.77
8	34.2	50.5	7.2	110.85	27.00	2.54	519.00	205.61	2.897	48.78
9	32.7	50.5	7.2	110.85	25.50	2.24	519.00	207.89	2.886	45.77
10	34.2	50.5	7.2	110.85	27.00	2.54	519.00	205.61	2.897	48.78
11	33.4	50.5	7.2	110.83	26.20	2.39	519.00	205.76	2.903	47.14
12	32.0	48.6	7.2	110.81	24.80	2.14	519.00	206.02	2.904	44.29
13	33.7	50.5	7.2	110.83	26.30	2.83	519.00	205.32	2.903	51.77
14	48.0	58.1	7.2	110.90	48.80	3.80	519.00	204.90	2.916	68.36
15	38.5	58.1	7.2	110.90	31.30	3.41	519.00	204.66	2.910	57.13
16	32.0	50.5	7.2	110.85	24.80	2.14	519.00	206.01	2.904	44.28
17	30.6	46.7	7.2	110.82	21.40	1.91	519.00	206.27	2.875	41.39
18	30.6	46.7	7.2	110.82	21.40	1.91	519.00	206.27	2.875	41.39
19	29.9	44.8	7.2	110.81	22.70	1.79	519.00	206.40	2.870	39.95
20	32.7	46.7	7.2	110.82	21.50	2.26	519.00	205.81	2.903	45.77
21	43.0	58.1	7.2	110.90	40.80	3.80	519.00	202.30	2.945	66.36
22	44.4	94.3	7.2	111.16	61.20	13.04	519.00	194.80	2.905	105.64
23	74.8	114.1	7.2	111.27	60.00	16.87	519.00	190.84	2.911	116.63
24	36.0	83.9	7.2	111.07	48.80	6.29	519.00	199.63	2.874	83.68
25	105.8	153.4	15.8	111.52	90.00	28.21	519.00	179.32	2.988	143.00
26	217.9	169.1	127.9	112.55	90.00	28.21	519.42	178.44	2.959	141.42
27	196.2	304.9	108.2	112.31	90.00	28.21	519.37	178.85	2.989	141.74
28	114.3	202.4	24.5	111.79	90.00	28.21	519.10	179.10	2.988	141.80
29	84.7	136.3	7.2	111.41	78.90	22.01	519.00	185.57	2.959	131.43
30	72.4	123.1	7.2	111.34	65.40	14.99	519.00	182.74	2.909	112.30
74.81										

## POWER GENERATION SIMULATION

Year: 1980

Dam Ave B  
P.R.L. = 319.00 mRoad Head  
Max. Flood Discharge179.50 m  
90.00 m/s

Installed Capacity 142.0 MW

Date	Discharge Dam (cms)	Discharge F.H. (cms)	RMP or Tail Spillage level m	Plant Q (cms)	Low	Raw level	Effort Head h	Efficiency Unit s	Output MW	Month y Ave MW
Jul 1	102.3	179.4	123.1	111.67	90.0	28.21	119.11	2	0.996	141.93
2	215.4	238.4	123.4	111.67	90.0	28.21	119.11	2	0.990	140.99
3	220.3	241.0	123.4	111.67	90.0	28.21	119.11	2	0.990	141.12
4	278.9	299.8	123.4	111.67	90.0	28.21	119.11	2	0.999	141.34
5	281.3	291.3	123.4	111.67	90.0	28.21	119.11	2	0.999	141.23
6	266.8	287.2	123.4	111.67	90.0	28.21	119.11	2	0.999	141.43
7	266.8	284.0	123.4	111.67	90.0	28.21	119.11	2	0.999	141.71
8	135.4	211.3	123.4	111.67	90.0	28.21	119.11	2	0.998	141.85
9	176.9	240.5	123.4	111.67	90.0	28.21	119.11	2	0.998	141.81
10	240.8	280.0	123.4	111.67	90.0	28.21	119.11	2	0.999	141.63
11	229.3	270.8	123.4	111.67	90.0	28.21	119.11	2	0.999	141.73
12	191.7	235.0	123.4	111.67	90.0	28.21	119.11	2	0.998	141.76
13	164.3	231.1	123.4	111.67	90.0	28.21	119.11	2	0.999	141.74
14	135.0	203.7	123.4	111.67	90.0	28.21	119.11	2	0.999	141.74
15	114.4	224.9	123.4	111.67	90.0	28.21	119.11	2	0.998	141.81
16	99.6	192.5	123.4	111.67	90.0	28.21	119.11	2	0.998	141.91
17	90.4	164.9	123.4	111.67	90.0	28.21	119.11	2	0.998	141.96
18	84.9	137.4	123.4	111.67	90.0	28.21	119.11	2	0.998	141.96
19	79.3	102.0	123.4	111.67	90.0	28.21	119.11	2	0.998	141.96
20	74.3	125.1	123.4	111.67	90.0	28.21	119.11	2	0.998	141.96
21	70.0	122.5	123.4	111.67	90.0	28.21	119.11	2	0.998	141.96
22	64.6	114.1	123.4	111.67	90.0	28.21	119.11	2	0.998	141.96
23	62.7	108.6	123.4	111.67	90.0	28.21	119.11	2	0.998	141.96
24	59.3	106.1	123.4	111.67	90.0	28.21	119.11	2	0.998	141.96
25	56.0	96.3	123.4	111.67	90.0	28.21	119.11	2	0.998	141.96
26	53.2	96.4	123.4	111.67	90.0	28.21	119.11	2	0.998	141.96
27	62.7	96.4	123.4	111.67	90.0	28.21	119.11	2	0.998	141.96
28	64.2	96.4	123.4	111.67	90.0	28.21	119.11	2	0.998	141.96
29	67.4	96.4	123.4	111.67	90.0	28.21	119.11	2	0.998	141.96
30	67.8	117.3	123.4	111.67	90.0	28.21	119.11	2	0.999	141.24
31	68.1	119.3	123.4	111.67	90.0	28.21	119.11	2	0.999	141.23
Aug 1	338.8	378.1	123.4	111.67	90.0	28.21	119.11	2	0.999	141.43
2	368.4	360.1	123.4	111.67	90.0	28.21	119.11	2	0.999	141.57
3	344.7	414.2	123.4	111.67	90.0	28.21	119.11	2	0.999	141.70
4	368.4	414.2	123.4	111.67	90.0	28.21	119.11	2	0.999	141.79
5	379.4	378.4	123.4	111.67	90.0	28.21	119.11	2	0.998	141.74
6	323.9	372.7	123.4	111.67	90.0	28.21	119.11	2	0.998	141.74
7	299.7	317.1	123.4	111.67	90.0	28.21	119.11	2	0.998	141.81
8	231.6	276.7	123.4	111.67	90.0	28.21	119.11	2	0.998	141.84
9	236.3	270.2	123.4	111.67	90.0	28.21	119.11	2	0.998	141.91
10	222.3	250.7	123.4	111.67	90.0	28.21	119.11	2	0.998	141.94
11	199.4	237.8	123.4	111.67	90.0	28.21	119.11	2	0.998	141.97
12	169.1	199.1	123.4	111.67	90.0	28.21	119.11	2	0.998	142.00
13	171.2	142.0	123.4	111.67	90.0	28.21	119.11	2	0.998	142.00
14	93.1	130.7	123.4	111.67	90.0	28.21	119.11	2	0.998	142.00
15	64.6	125.1	123.4	111.67	90.0	28.21	119.11	2	0.998	142.00
16	61.1	125.1	123.4	111.67	90.0	28.21	119.11	2	0.998	142.00
17	62.9	130.7	123.4	111.67	90.0	28.21	119.11	2	0.998	142.00
18	117.3	199.1	123.4	111.67	90.0	28.21	119.11	2	0.998	142.00
19	127.4	179.6	123.4	111.67	90.0	28.21	119.11	2	0.998	142.00
20	181.8	283.1	123.4	111.67	90.0	28.21	119.11	2	0.998	141.79
21	470.8	730.9	123.4	111.67	90.0	28.21	119.11	2	0.999	141.44
22	717.9	932.8	123.4	111.67	90.0	28.21	119.11	2	0.999	141.30
23	753.3	1098.2	123.4	111.67	90.0	28.21	119.11	2	0.999	141.40
24	664.6	888.4	123.4	111.67	90.0	28.21	119.11	2	0.999	141.44
25	524.6	811.3	123.4	111.67	90.0	28.21	119.11	2	0.999	141.35
26	511.8	764.9	123.4	111.67	90.0	28.21	119.11	2	0.999	141.05
27	519.8	1025.2	123.4	111.67	90.0	28.21	119.11	2	0.999	141.20
28	481.0	718.1	123.4	111.67	90.0	28.21	119.11	2	0.999	141.46
29	471.4	581.4	123.4	111.67	90.0	28.21	119.11	2	0.999	141.38
30	417.9	577.4	123.4	111.67	90.0	28.21	119.11	2	0.999	141.61
31	416.2	484.1	123.4	111.67	90.0	28.21	119.11	2	0.999	141.67
Sep 1	434.8	531.8	123.4	111.67	90.0	28.21	119.11	2	0.999	141.83
2	524.8	699.4	123.4	111.67	90.0	28.21	119.11	2	0.999	141.34
3	597.0	1237.2	123.4	111.67	90.0	28.21	119.11	2	0.999	141.12
4	548.7	992.8	123.4	111.67	90.0	28.21	119.11	2	0.999	141.30
5	577.3	718.1	123.4	111.67	90.0	28.21	119.11	2	0.999	141.51
6	430.3	548.3	123.4	111.67	90.0	28.21	119.11	2	0.999	141.62
7	444.3	531.8	123.4	111.67	90.0	28.21	119.11	2	0.999	141.64
8	383.8	597.2	123.4	111.67	90.0	28.21	119.11	2	0.999	141.60
9	342.1	608.9	123.4	111.67	90.0	28.21	119.11	2	0.999	141.71
10	291.2	374.4	123.4	111.67	90.0	28.21	119.11	2	0.999	141.71
11	310.5	360.3	123.4	111.67	90.0	28.21	119.11	2	0.998	141.77
12	160.3	236.5	123.4	111.67	90.0	28.21	119.11	2	0.998	141.84
13	128.4	220.4	123.4	111.67	90.0	28.21	119.11	2	0.998	141.93
14	123.7	197.4	123.4	111.67	90.0	28.21	119.11	2	0.998	141.93
15	168.4	218.7	123.4	111.67	90.0	28.21	119.11	2	0.998	141.95
16	227.0	317.1	123.4	111.67	90.0	28.21	119.11	2	0.998	141.74
17	254.9	374.0	123.4	111.67	90.0	28.21	119.11	2	0.998	141.78
18	197.1	275.5	123.4	111.67	90.0	28.21	119.11	2	0.998	141.83
19	174.7	237.8	123.4	111.67	90.0	28.21	119.11	2	0.998	141.90
20	170.7	257.3	123.4	111.67	90.0	28.21	119.11	2	0.998	141.83
21	187.4	279.9	123.4	111.67	90.0	28.21	119.11	2	0.998	141.79
22	301.1	385.4	123.4	111.67	90.0	28.21	119.11	2	0.999	141.71
23	262.0	398.3	123.4	111.67	90.0	28.21	119.11	2	0.999	141.71
24	187.4	272.3	123.4	111.67	90.0	28.21	119.11	2	0.998	141.84
25	151.0	211.3	123.4	111.67	90.0	28.21	119.11	2	0.998	141.94
26	164.6	209.7	123.4	111.67	90.0	28.21	119.11	2	0.998	141.94
27	123.7	194.4	123.4	111.67	90.0	28.21	119.11	2	0.998	141.94
28	144.6	184.4	123.4	111.67	90.0	28.21	119.11	2	0.998	141.97
29	180.3	257.3	123.4	111.67	90.0	28.21	119.11	2	0.998	141.85
30	188.4	243.7	123.4	111.67	90.0	28.21	119.11	2	0.998	141.81

Date	Discharge Dam (cms)	Discharge F.H. (cms)	RMP or Tail Spillage level m	Plant Q (cms)	Low	Raw level	Effort Head h	Efficiency Unit s	Output MW	Month y Ave MW
Oct 1	137.1	200.4	123.4	111.67	90.0	28.21	119.11	2	0.996	141.94
2	120.1	179.4	123.4	111.67	90.0	28.21	119.11	2	0.996	142.00
3	112.0	164.9	123.4	111.67	90.0	28.21	119.11	2	0.996	142.00
4	104.1	156.3	123.4	111.67	90.0	28.21	119.11	2	0.996	142.00
5	96.0	147.7	123.4	111.67	90.0	28.21	119.11	2	0.996	142.00
6	92.1	136.3	123.4	111.67	90.0	28.21	119.11	2	0.996	142.00
7	93.9	130.7	123.4	111.67	90.0	28.21	119.11	2	0.996	142.00
8	114.4	199.1	123.4	111.67	90.0	28.21	119.11	2	0.998	141.91
9	144.5	228.1	123.4	111.67	90.0	28.21	119.11	2	0.998	141.92
10	131.0	206.3	123.4	111.67	90.0	28.21	119.11	2	0.998	141.96
11	109.3	170.7	123.4	111.67	90.0	28.21	119.11	2	0.998	141.96
12	122.8	179.4	123.4	111.67	90.0	28.21	119.11	2	0.998	141.99
13	137.9	212.7	123.4	111.67	90.0	28.21	119.11	2	0.998	141.99
14	100.5	237.8	123.4	111.67	90.0	28.21	119.11	2	0.998	141.97
15	141.6	218.7	123.4	111.67	90.0	28.21	119.11	2	0.998	141.99
16	110.3	175.4	123.4	111.67	90.0	28.21	119.11	2	0.998	14

# POWER GENERATION SIMULATION

Year: 1961

Dist. Atb B  
P.L.L. - 12.00 m

Rated Head : 179.30 m  
Max. Plant Discharge : 90.00 m³/s

Installed Capacity : 142.0 MW

Date	Discharge (m³/s)	Discharge P.H. (m)	RMP or Tail Spillage water level (m)	Plant Q (m³/s)	Loss	Raw level	Effluent Head h	Effluent Unit sec	Effluent MW	Month y Ave. MW
Jan 1	432.0	932.4	242.0	113.04	90.0	28.21	179.30	2	0.999	141.82
2	439.3	487.9	339.3	113.30	90.0	28.21	179.30	2	0.999	141.82
3	609.5	441.2	319.5	113.63	90.0	28.21	179.30	2	0.999	141.70
4	780.9	434.6	302.9	113.74	90.0	28.21	179.30	2	0.999	141.73
5	574.6	325.9	248.4	113.01	90.0	28.21	179.30	2	0.999	141.55
6	367.1	444.0	277.1	113.79	90.0	28.21	179.30	2	0.999	141.68
7	338.8	416.2	248.8	113.70	90.0	28.21	179.30	2	0.999	141.69
8	272.9	347.9	193.9	112.47	90.0	28.21	179.30	2	0.999	141.75
9	230.3	383.1	150.3	112.31	90.0	28.21	179.30	2	0.999	141.75
10	187.4	377.3	97.4	112.09	90.0	28.21	179.30	2	0.999	141.84
11	180.9	318.7	40.5	111.86	90.0	28.21	179.30	2	0.999	141.91
12	154.8	300.4	44.4	111.79	90.0	28.21	179.30	2	0.999	141.95
13	104.9	170.7	14.9	111.02	90.0	28.21	179.30	2	0.999	141.97
14	121.9	182.5	51.9	111.69	90.0	28.21	179.30	2	0.999	141.96
15	123.5	237.8	62.5	111.89	90.0	28.21	179.30	2	0.999	141.84
16	114.5	202.5	24.3	111.81	90.0	28.21	179.30	2	0.999	141.89
17	109.4	140.0	15.8	111.57	90.0	28.21	179.30	2	0.999	142.00
18	93.0	139.1	7.2	111.55	83.8	23.64	180.00	2	0.999	139.10
19	93.8	179.4	7.2	111.64	84.6	24.13	180.00	2	0.999	139.83
20	144.3	347.5	94.8	112.04	90.0	28.21	179.30	2	0.999	141.81
21	144.8	344.5	74.6	112.44	90.0	28.21	179.30	2	0.999	141.75
22	137.4	350.8	37.4	112.07	90.0	28.21	179.30	2	0.999	141.75
23	101.8	185.5	11.5	111.71	90.0	28.21	179.30	2	0.999	141.60
24	84.7	120.7	7.2	111.62	78.5	22.01	180.00	2	0.999	131.30
25	84.7	144.9	7.2	111.39	87.5	24.64	180.00	2	0.999	139.71
26	77.6	130.7	7.2	111.38	78.4	22.04	180.00	2	0.999	139.70
27	73.3	122.5	7.2	111.33	64.1	15.22	180.00	2	0.999	131.39
28	89.3	128.4	7.2	111.31	61.1	13.43	180.00	2	0.999	130.77
29	64.2	114.1	7.2	111.27	57.8	11.32	180.00	2	0.999	94.48
30	104.9	123.5	14.9	111.69	90.0	28.21	179.30	2	0.999	141.97
31	132.5	230.7	62.5	112.02	90.0	28.21	179.30	2	0.999	141.81
137.02										
Feb 1	144.4	218.7	54.4	111.86	90.0	28.21	179.30	2	0.999	141.81
2	134.4	182.5	34.4	111.89	90.0	28.21	179.30	2	0.999	141.84
3	130.1	174.6	30.1	111.84	90.0	28.21	179.30	2	0.999	141.99
4	131.9	197.4	31.9	111.78	90.0	28.21	179.30	2	0.999	141.92
5	140.4	347.2	74.6	112.41	90.0	28.21	179.30	2	0.999	141.49
6	181.1	296.3	91.1	112.27	90.0	28.21	179.30	2	0.999	141.79
7	187.4	294.3	97.4	112.27	90.0	28.21	179.30	2	0.999	141.75
8	179.0	379.9	88.0	112.19	90.0	28.21	179.30	2	0.999	141.78
9	149.3	241.1	59.5	112.01	90.0	28.21	179.30	2	0.999	141.84
10	139.0	212.4	45.0	111.84	90.0	28.21	179.30	2	0.999	141.84
11	140.7	200.4	30.7	111.79	90.0	28.21	179.30	2	0.999	141.94
12	140.4	200.4	30.6	111.79	90.0	28.21	179.30	2	0.999	141.87
13	125.0	200.4	45.0	111.79	90.0	28.21	179.30	2	0.999	141.94
14	109.4	157.3	79.4	112.09	90.0	28.21	179.30	2	0.999	141.83
15	144.4	344.3	74.6	112.02	90.0	28.21	179.30	2	0.999	141.84
16	130.1	200.7	63.1	111.84	90.0	28.21	179.30	2	0.999	141.91
17	94.3	179.1	8.1	111.55	90.0	28.21	179.30	2	0.999	141.96
18	82.9	156.3	7.2	111.41	73.7	18.96	180.00	2	0.999	136.41
19	73.3	123.5	7.2	111.33	64.1	15.22	180.00	2	0.999	131.39
20	73.9	114.1	7.2	111.27	64.7	14.44	180.00	2	0.999	117.32
21	34.4	122.5	7.2	111.33	47.8	7.76	180.00	2	0.999	80.23
22	80.2	111.3	7.2	111.25	73.0	18.96	180.00	2	0.999	123.38
23	84.0	101.1	7.2	111.19	54.8	12.04	180.00	2	0.999	101.60
24	84.7	108.4	7.2	111.24	62.1	12.49	180.00	2	0.999	107.11
25	83.8	105.4	7.2	111.20	74.7	20.49	180.00	2	0.999	123.20
26	62.7	114.8	7.2	111.29	51.5	10.77	180.00	2	0.999	95.83
27	70.0	120.4	7.2	111.20	62.6	13.74	180.00	2	0.999	108.27
28	44.8	94.3	7.2	111.14	38.6	12.37	180.00	2	0.999	103.21
129.19										
Mar 1	59.3	94.6	7.2	111.17	52.1	9.45	180.00	2	0.999	89.77
2	59.3	83.9	7.2	111.07	52.1	9.45	180.00	2	0.999	89.82
3	52.8	78.4	7.2	111.04	41.4	7.34	180.00	2	0.999	77.61
4	54.8	91.7	7.2	111.14	48.6	8.57	180.00	2	0.999	83.15
5	54.4	51.2	7.2	111.12	47.2	7.76	180.00	2	0.999	80.53
6	51.2	83.9	7.2	111.07	44.0	6.74	180.00	2	0.999	74.51
7	59.3	43.9	7.2	111.07	52.1	9.45	180.00	2	0.999	89.82
8	44.4	91.2	7.2	111.13	61.2	11.04	180.00	2	0.999	105.70
9	93.0	189.4	7.2	111.31	93.8	23.44	180.00	2	0.999	138.24
10	70.0	144.1	7.2	111.27	62.8	13.74	180.00	2	0.999	108.23
11	13.2	84.7	7.2	111.11	48.0	8.02	180.00	2	0.999	82.13
12	49.6	81.6	7.2	111.06	47.4	6.26	180.00	2	0.999	74.41
13	44.8	64.4	7.2	110.97	37.4	4.92	180.00	2	0.999	67.80
14	40.8	64.3	7.2	110.95	32.4	3.95	180.00	2	0.999	61.27
15	38.5	64.2	7.2	110.95	31.3	3.41	180.00	2	0.999	57.11
16	31.7	54.1	7.2	110.90	24.5	2.83	180.00	2	0.999	51.75
17	36.5	94.1	7.2	110.90	31.3	3.41	180.00	2	0.999	57.13
18	44.4	41.9	7.2	110.93	39.2	5.35	180.00	2	0.999	70.14
19	38.3	41.9	7.2	110.91	33.1	3.59	180.00	2	0.999	58.40
20	32.7	34.1	7.2	110.90	25.5	2.36	180.00	2	0.999	45.71
21	40.0	58.1	7.2	110.90	37.8	3.75	180.00	2	0.999	59.87
22	34.2	34.1	7.2	110.90	27.9	2.54	180.00	2	0.999	48.76
23	30.6	54.3	7.2	110.87	23.4	1.91	180.00	2	0.999	41.37
24	29.9	30.5	7.2	110.83	22.7	1.79	180.00	2	0.999	39.92
25	29.9	30.5	7.2	110.83	22.7	1.79	180.00	2	0.999	39.92
26	25.7	44.7	7.2	110.82	15.5	1.19	180.00	2	0.999	31.14
27	28.3	43.9	7.2	110.79	21.3	1.58	180.00	2	0.999	37.00
28	35.7	94.1	7.2	110.90	38.5	2.83	180.00	2	0.999	51.75
29	74.2	114.8	7.2	111.29	67.0	15.63	180.00	2	0.999	114.78
30	42.9	114.8	7.2	111.29	71.7	18.96	180.00	2	0.999	126.80
31	40.9	94.6	7.2	111.17	52.7	9.45	180.00	2	0.999	89.78
72.47										

Date	Discharge (Cum Sec)	Discharge P.H. (Cum Sec)	RMP or Tail Spillage water level (Cum Sec)	Plant Q (Cum Sec)	Loss	Raw level	Effluent Head h	Unit sec	Effluent MW	Month y Ave. MW	
Apr. 1	44.4	79.4	7.2	111.04	39.30	3.35	180.00	2	0.901	70.11	
2	40.0	64.4	7.2	110.97	35.80	3.75	180.00	2	0.911	69.95	
3	32.0	54.1	7.2	110.90	24.60	2.14	180.00	2	0.884	44.27	
4	34.2	54.3	7.2	110.87	27.00	2.54	180.00	2	0.957	44.77	
5	28.5	52.4	7.2	110.84	21.30	1.58	180.00	2	0.858	34.98	
6	34.3	50.5	7.2	110.85	27.00	2.54	180.00	2	0.897	44.78	
7	27.1	43.4	7.2	110.83	19.00	1.36	180.00	2	0.844	34.04	
8	28.5	44.7	7.2	110.83	21.30	1.58	180.00	2	0.838	34.98	
9	25.1	44.8	7.2	110.81	17.00	1.13	180.00	2	0.823	29.49	
10	23.5	43.9	7.2	110.79	21.30	1.58	180.00	2	0.838	34.63	
11	27.1	42.9	7.2	110.79	19.00	1.36	180.00	2	0.845	34.63	
12	25.7	42.9	7.2	110.79	19.00	1.18	180.00	2	0.830	34.63	
13	24.3	41.3	7.2	110.78	17.00	1.02	180.00	2	0.813	30.20	
14	24.3	41.3	7.2	110.78	17.00	1.02	180.00	2	0.813	30.20	
15	24.3	42.9	7.2	110.79	17.00	1.02	180.00	2	0.813	30.24	
16	33.4	30.5	7.2	110.83	24.60	2.39	180.00	2	0.885	47.16	
17	34.3	34.3	7.2	110.89	27.00	2.54	180.00	2	0.897	45.77	
18	28.5	34.3	7.2	110.87	21.30	1.58	180.00	2	0.838	34.98	
19	24.3	42.9	7.2	110.79	17.00	1.02	180.00	2	0.813	29.24	
20	23.0	41.3	7.2	110.78	15.87	0.87	180.00	2	0.797	25.59	
21	21.4	35.7	21.6	107.73	0.00	0.72	180.00	0	0.000	0.00	
22	21.4	34.6	21.6	107.73	0.00	0.72	180.00	0	0.000	0.00	
23	24.3	34.6	7.2	110.75	17.00	1.02	180.00	2	0.814	29.23	
24	23.7	34.6	7.2	110.75	18.30	1.19	180.00	2	0.800	31.15	
25	36.4	38.7	7.2	110.77	23.40	1.91	180.00	2	0.879	41.45	
26	31.1	38.6	7.2	110.84	73.80	19.58	180.00	180.00	2	0.911	124.74
27	18.5	12.0	24.3	111.45	90.00	28.8	180.00	2	0.988	140.00	
28	19.6	18.6	24.3	111.77	90.00	28.31	180.00	179.28	2	0.999	140.00
29	15.1	17.95	43.1	111.67	90.00	23.21	180.00	179.28	2	0.998	140.00
30	107.3	167.7	17.5	111.44	90.00	23.21	180.04	179.36	2	0.998	140.00
72.34											
May 1	70.9	109.6	7.2	111.20	63.70	14.13	180.00	189.64	2	0.907	109.71
2	53.2	77.3	7.2	111.03	44.00	10.02	180.00	119.95	2	0.874	82.19
3	44.4	70.6	7.2	110.94	39.30	9.33	180.00	102.64	1	0.901	70.12
4	43.2	64.0	7.2	110.90	34.60	8.25	180.00	97.80	1	0.881	64.31
5	32.0	64.0	7.2	110.94	34.60	8.51	180.00	102.55	0.900	45.31	
6	40.0	41.9	7.2	110.83	32.30	7.97	180.00	104.33	1	0.911	59.86
7	34.3	41.8	7.2	110.83	29.10	7.25	180.00	108.13	1	0.903	52.82
8	34.2	54.1	7.2	110.90	27.00	2.54	180.00	105.56	1	0.887	48.76
9	32.7	50.5	7.2	110.85	25.30	2.34	180.00	103.89	1	0.889	45.73
10	31.3	44.7	7.2	110.82	24.60	2.22	180.00	106.16	1	0.880	42.84
11	28.2	44.8	7.2	110.81	22.00	1.89	180.00	106.51	1	0.844	36.46
12	28.5	44.8	7.2	110.81	21.30	1.36	180.00	106.61	1	0.838	37.00
13	26.9	42.8	7.2	110.79	23.70	1.79	180.00	106.61	1	0.870	39.95
14	29.5	42.9	7.2	110.79	21.30	1.36	180.00	106.63	1	0.818	37.00
15	27.1	42.9	7.2	110.79	19.00	1.36	180.00	106.81	1	0.828	34.00
16	23.1	41.3	7.2	110.78	17.00	1.12	180.00	107.10	1	0.823	29.80
17	34.5	38.7	7.2	110.77	18.30	1.30	180.00	106.95	1	0.838	32.61
18	24.9	44.8	7.2	110.81	19.00	1.30	180.00	106.90	1	0.838	32.61
19	27.1	45.7	7.2	110.82	19.00	1.34	180.00	106.80	1	0.840	34.00
20	22.7	46.7	7.2	110.82	15.30	2.56	180.00	102.91	1	0.840	45.73
21	28.9	50.5	7.2	110.83	23.70	1.79	180.00	106.56	1	0.870	39.95
22	28.5	60.0	7.2	110.81	21.30	1.36	180.00	106.51	1	0.838	36.97
23	28.5	42.9	7.2	110.79	21.30	1.36	180.00	106.63	1	0.838	37.00
24	27.1	42.9	7.2	110.79	19.00	1.36	180.00	106.83	1	0.840	34.00
25	24.3	39.7	7.2	110.77	17.00	1.02	180.00	107.21	1	0.813	29.23
26	24.3	38.2	7.2	110.76	17.00	1.02	180.00	107.22	1	0.813	29.23
27	24.3	34.2	7.2	110.74	17.00	1.02	180.00	107.22	1	0.813	29.23
28	40.0	44.8	7.2	110.81	32.80	3.78	180.00	104.45	1	0.911	59.80
29	37.0	53.1	7.2	110.80	29.80	3.09	180.00	105.01	1	0.907	54.28
30	28.2	50.5	7.2	110.81	22.00	1.89	180.00	106.47	1	0.844	36.45
31	27.1	42.9	7.2	110.79	19.00	1.36	180.00	106.83	1	0.845	34.06
45.93											
Jun. 1	24.3	39.7	7.2	110.77	17.00	1.02	180.00	107.21	1	0.813	29.23
2	23.7	38.2	7.2	110.74	16.30	1.19	180.00	107.05	1	0.830	31.15
3	23.0	38.2	7.2	110.74	15.80	0.87	180.00	107.37	1	0.797	25.59
4	24.3	38.2	7.2	110.74	17.00	1.02	180.00	107.22	1	0.813	29.23
5	23.1	39.7	7.2	110.77	15.80	1.12	180.00	107.11	1	0.823	29.80
6	23.0	39.7	7.2	110.77	15.80	0.87	180.00	107.36	1	0.797	25.59
7	33.7	42.9	7.2	110.79	23.80	2.83	180.00	105.36	1	0.903	51.78
8	100.3	96.7	12.9	111.11	90.00	24.21	180.03	179.72	2	0.994	124.80
9	82.9	119.4	7.2	111.31	73.70	18.96	180.00	187.73	2	0.911	124.80
10	42.3	64.2	7.2	110.95	34.00	4.51	180.00	105.53	1	0.910	65.31
11	37.0	54.3	7.2	110.87	29.80	3.09	180.00	105.03	1	0.907	54.28
12	41.6	50.5	7.2	110.83	31.30	3.13	180.00	104.03	1	0.913	62.40
13	38.3	50.5	7.2	110.83	32.30	3.39	180.00	104.56	1	0.911	59.82
14	34.2	50.5	7.2	110.83	27.00	2.54	180.00	108.61	1	0.887	48.76
15	28.5	41.3	7.2	110.78	21.30	1.58	180.00	106.64	1	0.838	37.00
16	29.9	42.8	7.2	110.79	22.70	1.79	180.00	106.61	1	0.870	39.90
17	32.7	44.7	7.2	110.82	24.50	2.34	180.00	106.81	1	0.880	45.73
18	24.5	42.9	7.2	110.79	21.30	1.36	180.00	106.83	1	0.838	37.00
19	23.7	41.3	7.2	110.78	18.30	1.19	180.00	107.03	1	0.830	31.14
20	21.6	34.6	21.6	107.73	0.00	0.72	180.00	107.37	0	0.000	0.00
21	23.7	34.6	7.2	110.75	18.30	1.19	180.00	107.06	1	0.830	31.15
22	23.0	34.6	7.2	110.75	18.30	0.87	180.00	107.36	1	0.797	25.59
23	23.0	34.6	7.2	110.75	15.80	0.87	180.00	107.36	1	0.797	25.59
24	23.1	34.6	7.2	110.75	17.00	1.12	180.00	107.13	1	0.823	29.80
25	25.2	39.7	7.2	110.77	22.00	1.89	180.00	106.56	1	0.844	36.45
26	28.5	42.9	7.2	110.79	21.30	1.36	180.00	106.83	1	0.838	37.00
27	33.7	39.7	7.2	110.77	28.80	3.93	180.00	105.40	1	0.903	51.78
28	23.0	41.3	7.2	110.78	15.80	0.87	180.00	107.35	1	0.797	25.59
29	27.1	34.6	7.2	110.75	19.00	1.36	180.00	106.87	1	0.845	34.07
30	23.0	34.6	7.2	110.75	15.80	0.87	180.00	107.38	1	0.797	25.59
43.14											