

SCADA PANEL DIGITAL INPUTS			
TERMINAL BLOCK TB01			
TERM #	I/O LOC	ORIGINATIION	DESCRIPTION OF INPUTS
SP1	I03/00	MP1-0	MAIN PUMP 1 ISOLATION SW. OPEN
SP2	DC+	MP1-0A	MAIN PUMP 1 ISOLATION SW. OPEN
SP3	I03/01	MP1-1	MAIN PUMP 1 RUNNING
SP4	DC+	MP1-1A	MAIN PUMP 1 RUNNING
SP5	I03/02	MP1-16	MAIN PUMP 1 NOT IN AUTO
SP6	DC+	MP1-16A	MAIN PUMP 1 NOT IN AUTO
SP7	I03/03	MP1-44A	MAIN PUMP 1 TEMP/MOISTURE ALARM
SP8	DC+	MP1-44B	MAIN PUMP 1 TEMP/MOISTURE ALARM
SP9	I03/04	MP1-22	MOTOR JB PURGE ALARM
SP10	DC+	MP1-22A	MOTOR JB PURGE ALARM
SP11	I03/05	MP3-0	MAIN PUMP 3 ISOLATION SW. OPEN
SP12	DC+	MP3-0A	MAIN PUMP 3 ISOLATION SW. OPEN
SP13	I03/06	MP3-1	MAIN PUMP 3 RUNNING
SP14	DC+	MP3-1A	MAIN PUMP 3 RUNNING
SP15	I03/07	MP3-16	MAIN PUMP 3 NOT IN AUTO
SP16	DC+	MP3-16A	MAIN PUMP 3 NOT IN AUTO
SP17	I03/08	MP3-44A	MAIN PUMP 3 TEMP/MOISTURE ALARM
SP18	DC+	MP3-44B	MAIN PUMP 3 TEMP/MOISTURE ALARM
SP19	I03/09	MP3-22	MOTOR JB PURGE ALARM
SP20	DC+	MP3-22A	MOTOR JB PURGE ALARM
SP21	I03/10	MP5-0	MAIN PUMP 5 ISOLATION SW. OPEN
SP22	DC+	MP5-0A	MAIN PUMP 5 ISOLATION SW. OPEN
SP23	I03/11	MP5-1	MAIN PUMP 5 RUNNING
SP24	DC+	MP5-1A	MAIN PUMP 5 RUNNING
SP25	I03/12	MP5-16	MAIN PUMP 5 NOT IN AUTO
SP26	DC+	MP5-16A	MAIN PUMP 5 NOT IN AUTO
SP27	I03/13	MP5-44A	MAIN PUMP 5 TEMP/MOISTURE ALARM
SP28	DC+	MP5-44B	MAIN PUMP 5 TEMP/MOISTURE ALARM
SP29	I03/14	MP5-22	MOTOR JB PURGE ALARM
SP30	DC+	MP5-22A	MOTOR JB PURGE ALARM
SP31	I03/15		SPARE
SP32	DC+		SPARE
SP33	I04/00	MP7-0	MAIN PUMP 7 ISOLATION SW. OPEN
SP34	DC+	MP7-0A	MAIN PUMP 7 ISOLATION SW. OPEN
SP35	I04/01	MP7-1	MAIN PUMP 7 RUNNING
SP36	DC+	MP7-1A	MAIN PUMP 7 RUNNING
SP37	I04/02	MP7-16	MAIN PUMP 7 NOT IN AUTO
SP38	DC+	MP7-16A	MAIN PUMP 7 NOT IN AUTO
SP39	I04/03	MP7-44A	MAIN PUMP 7 TEMP/MOISTURE ALARM
SP40	DC+	MP7-44B	MAIN PUMP 7 TEMP/MOISTURE ALARM
SP41	I04/04	MP7-22	MOTOR JB PURGE ALARM
SP42	DC+	MP7-22A	MOTOR JB PURGE ALARM
SP43	I04/05	LFP9-0	LF PUMP 9 BREAKER OPEN
SP44	DC+	LFP9-0A	LF PUMP 9 BREAKER OPEN
SP45	I04/06	LFP9-1	LF PUMP 9 RUNNING
SP46	DC+	LFP9-1A	LF PUMP 9 RUNNING
SP47	I04/07	LFP9-16	LF PUMP 9 NOT IN AUTO
SP48	DC+	LFP9-16A	LF PUMP 9 NOT IN AUTO
SP49	I04/08	LFP9-36A	LF PUMP 9 TEMP/MOISTURE ALARM
SP50	DC+	LFP9-36B	LF PUMP 9 TEMP/MOISTURE ALARM
SP51	I04/09	CP-00-595	LF PUMP 9 OVERLOAD
SP52	DC+	CP-00-595A	LF PUMP 9 OVERLOAD
SP53	I04/10	LFP9-17	MOTOR JB PURGE ALARM
SP54	DC+	LFP9-17A	MOTOR JB PURGE ALARM
SP55	I04/11		SPARE
SP56	DC+		SPARE
SP57	I04/12		SPARE
SP58	DC+		SPARE
SP59	I04/13		SPARE
SP60	DC+		SPARE
SP61	I04/14		SPARE
SP62	DC+		SPARE
SP63	I04/15		SPARE
SP64	DC+		SPARE
SP65	I05/00	MP2-0	MAIN PUMP 2 ISOLATION SW. OPEN
SP66	DC+	MP2-0A	MAIN PUMP 2 ISOLATION SW. OPEN
SP67	I05/01	MP2-1	MAIN PUMP 2 RUNNING
SP68	DC+	MP2-1A	MAIN PUMP 2 RUNNING
SP69	I05/02	MP2-16	MAIN PUMP 2 NOT IN AUTO
SP70	DC+	MP2-16A	MAIN PUMP 2 NOT IN AUTO
SP71	I05/03	MP2-44A	MAIN PUMP 2 TEMP/MOISTURE ALARM
SP72	DC+	MP2-44B	MAIN PUMP 2 TEMP/MOISTURE ALARM
SP73	I05/04	MP2-22	MOTOR JB PURGE ALARM
SP74	DC+	MP2-22A	MOTOR JB PURGE ALARM
SP75	I05/05	MP4-0	MAIN PUMP 4 ISOLATION SW. OPEN
SP76	DC+	MP4-0A	MAIN PUMP 4 ISOLATION SW. OPEN
SP77	I05/06	MP4-1	MAIN PUMP 4 RUNNING
SP78	DC+	MP4-1A	MAIN PUMP 4 RUNNING
SP79	I05/07	MP4-16	MAIN PUMP 4 NOT IN AUTO
SP80	DC+	MP4-16A	MAIN PUMP 4 NOT IN AUTO
SP81	I05/08	MP4-44A	MAIN PUMP 4 TEMP/MOISTURE ALARM
SP82	DC+	MP4-44B	MAIN PUMP 4 TEMP/MOISTURE ALARM
SP83	I05/09	MP4-22	MOTOR JB PURGE ALARM
SP84	DC+	MP4-22A	MOTOR JB PURGE ALARM
SP85	I05/10	MP6-0	MAIN PUMP 6 ISOLATION SW. OPEN
SP86	DC+	MP6-0A	MAIN PUMP 6 ISOLATION SW. OPEN
SP87	I05/11	MP6-1	MAIN PUMP 6 RUNNING
SP88	DC+	MP6-1A	MAIN PUMP 6 RUNNING
SP89	I05/12	MP6-16	MAIN PUMP 6 NOT IN AUTO
SP90	DC+	MP6-16A	MAIN PUMP 6 NOT IN AUTO
SP91	I05/13	MP6-44A	MAIN PUMP 6 TEMP/MOISTURE ALARM
SP92	DC+	MP6-44B	MAIN PUMP 6 TEMP/MOISTURE ALARM
SP93	I05/14	MP6-22	MOTOR JB PURGE ALARM
SP94	DC+	MP6-22A	MOTOR JB PURGE ALARM
SP95	I05/15		SPARE
SP96	DC+		SPARE

SCADA PANEL DIGITAL INPUTS			
TERMINAL BLOCK TB01			
TERM #	I/O LOC	ORIGINATIION	DESCRIPTION OF INPUTS
SP97	I06/00	MP8-0	MAIN PUMP 8 ISOLATION SW. OPEN
SP98	DC+	MP8-0A	MAIN PUMP 8 ISOLATION SW. OPEN
SP99	I06/01	MP8-1	MAIN PUMP 8 RUNNING
SP100	DC+	MP8-1A	MAIN PUMP 8 RUNNING
SP101	I06/02	MP8-16	MAIN PUMP 8 NOT IN AUTO
SP102	DC+	MP8-16A	MAIN PUMP 8 NOT IN AUTO
SP103	I06/03	MP8-44A	MAIN PUMP 8 TEMP/MOISTURE ALARM
SP104	DC+	MP8-44B	MAIN PUMP 8 TEMP/MOISTURE ALARM
SP105	I06/04	MP8-22	MOTOR JB PURGE ALARM
SP106	DC+	MP8-22A	MOTOR JB PURGE ALARM
SP107	I06/05	LFP10-0	LF PUMP 10 BREAKER OPEN
SP108	DC+	LFP10-0A	LF PUMP 10 BREAKER OPEN
SP109	I06/06	LFP10-1	LF PUMP 10 RUNNING
SP110	DC+	LFP10-1A	LF PUMP 10 RUNNING
SP111	I06/07	LFP10-16	LF PUMP 10 NOT IN AUTO
SP112	DC+	LFP10-16A	LF PUMP 10 NOT IN AUTO
SP113	I06/08	LFP10-36A	LF PUMP 10 TEMP/MOISTURE ALARM
SP114	DC+	LFP10-36B	LF PUMP 10 TEMP/MOISTURE ALARM
SP115	I06/09	CP-00-597	LF PUMP 10 OVERLOAD
SP116	DC+	CP-00-597A	LF PUMP 10 OVERLOAD
SP117	I06/10	LFP10-17	MOTOR JB PURGE ALARM
SP118	DC+	LFP10-17A	MOTOR JB PURGE ALARM
SP119	I06/11		SPARE
SP120	DC+		SPARE
SP121	I06/12		SPARE
SP122	DC+		SPARE
SP123	I06/13		SPARE
SP124	DC+		SPARE
SP125	I06/14		SPARE
SP126	DC+		SPARE
SP127	I06/15		SPARE
SP128	DC+		SPARE
SP129	I07/00	CP-00-303	HIGH WATER ALARM-FLOAT
SP130	DC+	CP-00-303A	HIGH WATER ALARM-FLOAT
SP131	I07/01	CP-00-304	START STANDBY LEVEL-FLOAT
SP132	DC+	CP-00-304A	START STANDBY LEVEL-FLOAT
SP133	I07/02	CP-00-305	START LAG 6 LEVEL-FLOAT
SP134	DC+	CP-00-305A	START LAG 6 LEVEL-FLOAT
SP135	I07/03	CP-00-306	START LAG 5 LEVEL-FLOAT
SP136	DC+	CP-00-306A	START LAG 5 LEVEL-FLOAT
SP137	I07/04	CP-00-307	START LAG 4 LEVEL-FLOAT
SP138	DC+	CP-00-307A	START LAG 4 LEVEL-FLOAT
SP139	I07/05	CP-00-308	START LAG 3 LEVEL-FLOAT
SP140	DC+	CP-00-308A	START LAG 3 LEVEL-FLOAT
SP141	I07/06	CP-00-309	START LAG 2 LEVEL-FLOAT
SP142	DC+	CP-00-309A	START LAG 2 LEVEL-FLOAT
SP143	I07/07	CP-00-310	START LAG 1 LEVEL-FLOAT
SP144	DC+	CP-00-310A	START LAG 1 LEVEL-FLOAT
SP145	I07/08	CP-00-311	START LEAD PUMP LEVEL-FLOAT
SP146	DC+	CP-00-311A	START LEAD PUMP LEVEL-FLOAT
SP147	I07/09	CP-00-312	STOP LAG 4 - 7 LEVEL-FLOAT
SP148	DC+	CP-00-312A	STOP LAG 4 - 7 LEVEL-FLOAT
SP149	I07/10	CP-00-313	STOP MAIN, START LF LEVEL-FLOAT
SP150	DC+	CP-00-313A	STOP MAIN, START LF LEVEL-FLOAT
SP151	I07/11	CP-00-314	START LEAD LF PUMP LEVEL
SP152	DC+	CP-00-314A	START LEAD LF PUMP LEVEL
SP153	I07/12	CP-00-315	STOP LF PUMP LEVEL-FLOAT
SP154	DC+	CP-00-315A	STOP LF PUMP LEVEL-FLOAT
SP155	I07/13	CP-00-316	LOW WATER LEVEL ALARM
SP156	DC+	CP-00-316A	LOW WATER LEVEL ALARM
SP157	I07/14		SPARE
SP158	DC+		SPARE
SP159	I07/15		SPARE
SP160	DC+		SPARE
SP161	I08/00	CP-00-77	MP MAN. SEQ. SW. 1-2-3-4-5-6-7-8
SP162	DC+	CP-00-77A	MP MAN. SEQ. SW. 1-2-3-4-5-6-7-8
SP163	I08/01	CP-00-79	MP MAN. SEQ. SW. 2-3-4-5-6-7-8-1
SP164	DC+	CP-00-79A	MP MAN. SEQ. SW. 2-3-4-5-6-7-8-1
SP165	I08/02	CP-00-81	MP MAN. SEQ. SW. 3-4-5-6-7-8-1-2
SP166	DC+	CP-00-81A	MP MAN. SEQ. SW. 3-4-5-6-7-8-1-2
SP167	I08/03	CP-00-88	MP MAN. SEQ. SW. 4-5-6-7-8-1-2-3
SP168	DC+	CP-00-88A	MP MAN. SEQ. SW. 4-5-6-7-8-1-2-3
SP169	I08/04	CP-00-85	MP MAN. SEQ. SW. 5-6-7-8-1-2-3-4
SP170	DC+	CP-00-85A	MP MAN. SEQ. SW. 5-6-7-8-1-2-3-4
SP171	I08/05	CP-00-87	MP MAN. SEQ. SW. 6-7-8-1-2-3-4-5
SP172	DC+	CP-00-87A	MP MAN. SEQ. SW. 6-7-8-1-2-3-4-5
SP173	I08/06	CP-00-89	MP MAN. SEQ. SW. 7-8-1-2-3-4-5-6
SP174	DC+	CP-00-89A	MP MAN. SEQ. SW. 7-8-1-2-3-4-5-6
SP175	I08/07	CP-00-91	MP MAN. SEQ. SW. 8-1-2-3-4-5-6-7
SP176	DC+	CP-00-91A	MP MAN. SEQ. SW. 8-1-2-3-4-5-6-7
SP177	I08/08	CP-00-106	LFP MAN. SEQ. SW. 9-10
SP178	DC+	CP-00-106A	LFP MAN. SEQ. SW. 9-10
SP179	I08/09	CP-00-108	LFP MAN. SEQ. SW. 10-9
SP180	DC+	CP-00-108A	LFP MAN. SEQ. SW. 10-9
SP181	I08/10		SPARE
SP182	DC+		SPARE
SP183	I08/11	SCADA PANEL	MANUAL LOCKOUT
SP184	DC+	SCADA PANEL	MANUAL LOCKOUT
SP185	I08/12	SCADA PANEL	MANUAL PURGE
SP186	DC+	SCADA PANEL	MANUAL PURGE
SP187	I08/13	SCADA PANEL	120V AC POWER FAILURE
SP188	DC+	SCADA PANEL	120V AC POWER FAILURE
SP189	I08/14	SCADA PANEL	12V DC POWER FAILURE
SP190	DC+	SCADA PANEL	12V DC POWER FAILURE
SP191	I08/15		SPARE
SP192	DC+		SPARE

SCADA PANEL DIGITAL INPUTS			
TERMINAL BLOCK TB01			
TERM #	I/O LOC	ORIGINATIION	DESCRIPTION OF INPUTS
SP193	I09/00	CP-00-593	ALARM ACKNOWLEDGED
SP194	DC+	CP-00-593A	ALARM ACKNOWLEDGED
SP195	I09/01	FAP-00-629J	FIRE ALARM
SP196	DC+	FAP-00-629K	FIRE ALARM
SP197	I09/02	CP-00-158	COMBUSTIBLE GAS ALARM
SP198	DC+	CP-00-158A	COMBUSTIBLE GAS ALARM
SP199	I09/03	AP-00-607B	ENTRY KEY SW. NOT ARMED
SP200	DC+	AP-00-608A	ENTRY KEY SW. NOT ARMED
SP201	I09/04	AP-00-618	INTRUSION ALARM
SP202	DC+	AP-00-618A	INTRUSION ALARM
SP203	I09/05	LTG PANEL	CONTROL PANEL POWER FAIL
SP204	DC+	LTG PANEL	CONTROL PANEL POWER FAIL
SP205	I09/06	XFER SWITCH	MCC ON FEEDER 1
SP206	DC+	XFER SWITCH	MCC ON FEEDER 1
SP207	I09/07	XFER SWITCH	MCC ON FEEDER 2
SP208	DC+	XFER SWITCH	MCC ON FEEDER 2
SP209	I09/08	MCC	MCC TVSS FAILURE
SP200	DC+	MCC	MCC TVSS FAILURE
SP201	I09/09	5KV SWGR	SURGE SUPPRESSOR FAILURE
SP202	DC+	5KV SWGR	SURGE SUPPRESSOR FAILURE
SP203	I09/10	5KV SWGR	ATO UPS FAILURE
SP204	DC+	5KV SWGR	ATO UPS FAILURE
SP205	I09/11	AIR COMPR	PURGE AIR TANK LOW PRESSURE
SP206	DC+	AIR COMPR	PURGE AIR TANK LOW PRESSURE
SP207	I09/12	GATE OPR G1	SLIDE GATE G1 OPEN
SP208	DC+	GATE OPR G1	SLIDE GATE G1 OPEN
SP209	I09/13	GATE OPR G2	KNIFE GATE G2 CLOSED
SP200	DC+	GATE OPR G2	KNIFE GATE G2 CLOSED
SP211	I09/14	CP-00-159	COMBUSTIBLE GAS FAULT
SP212	DC+	CP-00-159A	COMBUSTIBLE GAS FAULT
SP213	I09/15	CP-00-160	COMBUSTIBLE GAS WARNING
SP214	DC+	CP-00-160A	COMBUSTIBLE GAS WARNING

SCADA PANEL DIGITAL OUTPUTS				
TERMINAL BLOCK TB00				
TERM #	I/O LOC	WIRE #	DESTINATION	DESCRIPTION OF OUTPUTS
SP301	O11/00	MP1-7	MP1-DI-7	MAIN PUMP 1 CALL
SP302	DC+	MP1-14	MP1-DI-14	MAIN PUMP 1 CALL
SP303	O11/01	MP3-7	MP3-DI-7	MAIN PUMP 3 CALL
SP304	DC+	MP3-14	MP3-DI-14	MAIN PUMP 3 CALL
SP305	O11/02	CP-291	CP-DI-166	CALL MAIN LEAD PUMP
SP306	DC+	CP-1	CP-DI-1	CALL MAIN LEAD PUMP
SP307	O11/03	CP-293	CP-DI-168	CALL MAIN LAG 2 PUMP
SP308	DC+	CP-1	CP-DI-1	CALL MAIN LAG 2 PUMP
SP309	O11/04	MSA-2	MSA-DI-2	LF PUMP 9 CALL
SP310	DC+	MSA-9	MSA-DI-9	LF PUMP 9 CALL
SP311	O11/05	CP-299	CP-DI-299	CALL LF LEAD PUMP
SP312	DC+	CP-1	CP-DI-1	CALL LF LEAD PUMP
SP313	O11/06			SPARE
SP314	DC+			SPARE
SP315	O11/07			SPARE
SP316	DC+			SPARE
SP317	O11/08			SPARE
SP318	DC+			SPARE
SP319	O11/09			COMPRESSOR 1 CALL
SP320	DC+			COMPRESSOR 1 CALL
SP321	O11/10			SOL. VALVE 1 CALL
SP322	DC+			SOL. VALVE 1 CALL
SP323	O11/11	CP-510	CP-DI-510	PRIMARY BUBBLER FAILURE
SP324	DC+	CP-512	CP-DI-512	PRIMARY BUBBLER FAILURE
SP325	O11/12			COMPRESSOR 3 CALL
SP326	DC+			COMPRESSOR 3 CALL
SP327	O11/13			SOL. VALVE 3 CALL
SP328	DC+			SOL. VALVE 3 CALL
SP329	O11/14	CP-507	CP-DI-507	OUTFALL CHAMBER FLOODED
SP330	DC+	CP-509	CP-DI-509	OUTFALL CHAMBER FLOODED
SP331	O11/15			SPARE
SP332	DC+			SPARE
SP333	O12/00	MP2-7	MP2-DI-7	MAIN PUMP 2 CALL
SP334	DC+	MP2-14	MP2-DI-14	MAIN PUMP 2 CALL
SP335	O12/01	MP4-7		