

MAIN PUMP 5 STARTER TERMINAL CONNECTIONS

TERMINAL NO.	WIRE NO.	INPUT ORIGINATION	DESCRIPTION OF INPUT
MP5-39	MP5-39	MP5 CONTROL JB	MOTOR MOISTURE SENSOR
MP5-40	MP5-40	MP5 CONTROL JB	MOTOR MOISTURE SENSOR
MP5-41	MP5-41	MP5 CONTROL JB	MOTOR TEMP SENSOR
MP5-42	MP5-42	MP5 CONTROL JB	MOTOR TEMP SENSOR
MP5-43	M4A-43	MP5 CONTROL JB	BEARING TEMP SENSOR
MP5-44	MP5-44	MP5 CONTROL JB	BEARING TEMP SENSOR
MP5-6	MP5-6	MP5 PURGE PANEL	SAFETY INTERLOCK
MP5-20	MP5-20	MP5 PURGE PANEL	SAFETY INTERLOCK
MP5-7	MP5-7	MP5 LOCAL PB STATION	START PUSH BUTTON
MP5-10	MP5-10	MP5 LOCAL PB STATION	START PUSH BUTTON
MP5-12	MP5-12	MP5 LOCAL PB STATION	STOP PUSH BUTTON
MP5-12A	MP5-12A	MP5 LOCAL PB STATION	STOP PUSH BUTTON
MP5-18	MP5-18	MP5 LOCAL PB STATION	MOTOR BUMP BUTTON
MP5-10	MP5-10	MP5 LOCAL PB STATION	MOTOR BUMP BUTTON
MP5-7	MP5-7	CP-00-40	FLOAT PUMP CALL
MP5-14	MP5-14	CP-00-40A	FLOAT PUMP CALL
MP5-7	MP5-7	SP365	SCADA PUMP CALL
MP5-14	MP5-14	SP366	SCADA PUMP CALL
TERMINAL NO.	WIRE NO.	OUTPUT DESTINATION	DESCRIPTION OF OUTPUT
MP5-7	MP5-7	MP5 LOCAL PB STATION	PUMP CALL LIGHT
MP5-X2	MP5-X2	MP5 LOCAL PB STATION	PUMP CALL LIGHT
MP5-6	MP5-6	MP5 LOCAL PB STATION	PUMP CALL LIGHT
MP5-24	MP5-24	MP5 LOCAL PB STATION	PUMP RUN LIGHT
MP5-X2	MP5-X2	MP5 LOCAL PB STATION	PUMP RUN LIGHT
MP5-6	MP5-6	MP5 LOCAL PB STATION	PUMP RUN LIGHT
MP5-4	CP-96A	CP-DI-96A	PUMP NOT RUNNING
MP5-4A	CP-96B	CP-DI-96B	PUMP NOT RUNNING
MP5-5B	CP-335	CP-DI-335	PUMP NOT RUNNING
MP5-5C	CP-335A	CP-DI-335A	PUMP NOT RUNNING
MP5-2	CP-1	CP-DI-1	MOTOR OVERLOAD TRIP
MP5-2A	CP-57	CP-DI-57	MOTOR OVERLOAD TRIP
MP5-2B	CP-444	CP-DI-444	MOTOR OVERLOAD ALARM
MP5-2C	CP-445	CP-DI-445	MOTOR OVERLOAD ALARM
MP5-40A	CP-480	CP-DI-480	OVER TEMP/MOIST ALARM
MP5-40B	CP-481	CP-DI-481	OVER TEMP/MOIST ALARM
MP5-23B	CP-561	CP-DI-561	MOTOR JB PURGE ALARM
MP5-23C	CP-563	CP-DI-563	MOTOR JB PURGE ALARM
MP5-0	SP21	SP22	ISOLATION SW. OPEN
MP5-0A	SP22	SP23	ISOLATION SW. OPEN
MP5-10	SP23	SP24	MOTOR RUNNING
MP5-1E	SP24	SP25	MOTOR RUNNING
MP5-16	SP25	SP26	PUMP CONTROL NOT IN AUTO
MP5-16A	SP26	SP27	PUMP CONTROL NOT IN AUTO
MP5-44A	SP27	SP28	OVER TEMP/MOIST ALARM
MP5-44B	SP28	SP29	OVER TEMP/MOIST ALARM
MP5-22	SP29	SP30	MOTOR JB PURGE ALARM
MP5-22A	SP30	SP30	MOTOR JB PURGE ALARM

MAIN PUMP 6 STARTER TERMINAL CONNECTIONS

TERMINAL NO.	WIRE NO.	INPUT ORIGINATION	DESCRIPTION OF INPUT
MP6-39	MP6-39	MP6 CONTROL JB	MOTOR MOISTURE SENSOR
MP6-40	MP6-40	MP6 CONTROL JB	MOTOR MOISTURE SENSOR
MP6-41	MP6-41	MP6 CONTROL JB	MOTOR TEMP SENSOR
MP6-42	MP6-42	MP6 CONTROL JB	MOTOR TEMP SENSOR
MP6-43	M4A-43	MP6 CONTROL JB	BEARING TEMP SENSOR
MP6-44	MP6-44	MP6 CONTROL JB	BEARING TEMP SENSOR
MP6-6	MP6-6	MP6 PURGE PANEL	SAFETY INTERLOCK
MP6-20	MP6-20	MP6 PURGE PANEL	SAFETY INTERLOCK
MP6-7	MP6-7	MP6 LOCAL PB STATION	START PUSH BUTTON
MP6-10	MP6-10	MP6 LOCAL PB STATION	START PUSH BUTTON
MP6-12	MP6-12	MP6 LOCAL PB STATION	STOP PUSH BUTTON
MP6-12A	MP6-12A	MP6 LOCAL PB STATION	STOP PUSH BUTTON
MP6-18	MP6-18	MP6 LOCAL PB STATION	MOTOR BUMP BUTTON
MP6-10	MP6-10	MP6 LOCAL PB STATION	MOTOR BUMP BUTTON
MP6-7	MP6-7	CP-00-49	FLOAT PUMP CALL
MP6-14	MP6-14	CP-00-49A	FLOAT PUMP CALL
MP6-7	MP6-7	SP397	SCADA PUMP CALL
MP6-14	MP6-14	SP398	SCADA PUMP CALL
TERMINAL NO.	WIRE NO.	OUTPUT DESTINATION	DESCRIPTION OF OUTPUT
MP6-7	MP6-7	MP6 LOCAL PB STATION	PUMP CALL LIGHT
MP6-X2	MP6-X2	MP6 LOCAL PB STATION	PUMP CALL LIGHT
MP6-6	MP6-6	MP6 LOCAL PB STATION	PUMP CALL LIGHT
MP6-24	MP6-24	MP6 LOCAL PB STATION	PUMP RUN LIGHT
MP6-X2	MP6-X2	MP6 LOCAL PB STATION	PUMP RUN LIGHT
MP6-6	MP6-6	MP6 LOCAL PB STATION	PUMP RUN LIGHT
MP6-4	CP-99B	CP-DI-99B	PUMP NOT RUNNING
MP6-4A	CP-99C	CP-DI-99C	PUMP NOT RUNNING
MP6-5B	CP-331	CP-DI-336	PUMP NOT RUNNING
MP6-5C	CP-331A	CP-DI-336A	PUMP NOT RUNNING
MP6-2	CP-1	CP-DI-1	MOTOR OVERLOAD TRIP
MP6-2A	CP-57	CP-DI-57	MOTOR OVERLOAD TRIP
MP6-2B	CP-447	CP-DI-447	MOTOR OVERLOAD ALARM
MP6-2C	CP-448	CP-DI-448	MOTOR OVERLOAD ALARM
MP6-40A	CP-483	CP-DI-483	OVER TEMP/MOIST ALARM
MP6-40B	CP-484	CP-DI-484	OVER TEMP/MOIST ALARM
MP6-23B	CP-558	CP-DI-558	MOTOR JB PURGE ALARM
MP6-23C	CP-560	CP-DI-560	MOTOR JB PURGE ALARM
MP6-0	SP85	SP86	ISOLATION SW. OPEN
MP6-0A	SP86	SP87	ISOLATION SW. OPEN
MP6-1D	SP87	SP88	MOTOR RUNNING
MP6-1E	SP88	SP89	MOTOR RUNNING
MP6-16	SP89	SP90	PUMP CONTROL NOT IN AUTO
MP6-16A	SP90	SP91	PUMP CONTROL NOT IN AUTO
MP6-44A	SP91	SP92	OVER TEMP/MOIST ALARM
MP6-44B	SP92	SP93	OVER TEMP/MOIST ALARM
MP6-22	SP93	SP94	MOTOR JB PURGE ALARM
MP6-22A	SP94	SP94	MOTOR JB PURGE ALARM

MAIN PUMP 7 STARTER TERMINAL CONNECTIONS

TERMINAL NO.	WIRE NO.	INPUT ORIGINATION	DESCRIPTION OF INPUT
MP7-39	MP7-39	MP7 CONTROL JB	MOTOR MOISTURE SENSOR
MP7-40	MP7-40	MP7 CONTROL JB	MOTOR MOISTURE SENSOR
MP7-41	MP7-41	MP7 CONTROL JB	MOTOR TEMP SENSOR
MP7-42	MP7-42	MP7 CONTROL JB	MOTOR TEMP SENSOR
MP7-43	M4A-43	MP7 CONTROL JB	BEARING TEMP SENSOR
MP7-44	MP7-44	MP7 CONTROL JB	BEARING TEMP SENSOR
MP7-6	MP7-6	MP7 PURGE PANEL	SAFETY INTERLOCK
MP7-20	MP7-20	MP7 PURGE PANEL	SAFETY INTERLOCK
MP7-7	MP7-7	MP7 LOCAL PB STATION	START PUSH BUTTON
MP7-10	MP7-10	MP7 LOCAL PB STATION	START PUSH BUTTON
MP7-12	MP7-12	MP7 LOCAL PB STATION	STOP PUSH BUTTON
MP7-12A	MP7-12A	MP7 LOCAL PB STATION	STOP PUSH BUTTON
MP7-18	MP7-18	MP7 LOCAL PB STATION	MOTOR BUMP BUTTON
MP7-10	MP7-10	MP7 LOCAL PB STATION	MOTOR BUMP BUTTON
MP7-7	MP7-7	CP-00-58	FLOAT PUMP CALL
MP7-14	MP7-14	CP-00-58A	FLOAT PUMP CALL
MP7-7	MP7-7	SP367	SCADA PUMP CALL
MP7-14	MP7-14	SP368	SCADA PUMP CALL
TERMINAL NO.	WIRE NO.	OUTPUT DESTINATION	DESCRIPTION OF OUTPUT
MP7-7	MP7-7	MP7 LOCAL PB STATION	PUMP CALL LIGHT
MP7-X2	MP7-X2	MP7 LOCAL PB STATION	PUMP CALL LIGHT
MP7-6	MP7-6	MP7 LOCAL PB STATION	PUMP CALL LIGHT
MP7-24	MP7-24	MP7 LOCAL PB STATION	PUMP RUN LIGHT
MP7-X2	MP7-X2	MP7 LOCAL PB STATION	PUMP RUN LIGHT
MP7-6	MP7-6	MP7 LOCAL PB STATION	PUMP RUN LIGHT
MP7-4	CP-96	CP-DI-96	PUMP NOT RUNNING
MP7-4A	CP-96A	CP-DI-96A	PUMP NOT RUNNING
MP7-5B	CP-333	CP-DI-333	PUMP NOT RUNNING
MP7-5C	CP-333A	CP-DI-333A	PUMP NOT RUNNING
MP7-2	CP-1	CP-DI-1	MOTOR OVERLOAD TRIP
MP7-2A	CP-57	CP-DI-57	MOTOR OVERLOAD TRIP
MP7-2B	CP-450	CP-DI-450	MOTOR OVERLOAD ALARM
MP7-2C	CP-451	CP-DI-451	MOTOR OVERLOAD ALARM
MP7-40A	CP-486	CP-DI-486	OVER TEMP/MOIST ALARM
MP7-40B	CP-487	CP-DI-487	OVER TEMP/MOIST ALARM
MP7-23B	CP-561	CP-DI-561	MOTOR JB PURGE ALARM
MP7-23C	CP-563	CP-DI-563	MOTOR JB PURGE ALARM
MP7-0	SP33	SP34	ISOLATION SW. OPEN
MP7-0A	SP34	SP35	ISOLATION SW. OPEN
MP7-1D	SP35	SP36	MOTOR RUNNING
MP7-1E	SP36	SP37	MOTOR RUNNING
MP7-16	SP37	SP38	PUMP CONTROL NOT IN AUTO
MP7-16A	SP38	SP39	PUMP CONTROL NOT IN AUTO
MP7-44A	SP39	SP40	OVER TEMP/MOIST ALARM
MP7-44B	SP40	SP41	OVER TEMP/MOIST ALARM
MP7-22	SP41	SP42	MOTOR JB PURGE ALARM
MP7-22A	SP42	SP42	MOTOR JB PURGE ALARM

MAIN PUMP 8 STARTER TERMINAL CONNECTIONS

TERMINAL NO.	WIRE NO.	INPUT ORIGINATION	DESCRIPTION OF INPUT
MP8-39	MP8-39	MP8 CONTROL JB	MOTOR MOISTURE SENSOR
MP8-40	MP8-40	MP8 CONTROL JB	MOTOR MOISTURE SENSOR
MP8-41	MP8-41	MP8 CONTROL JB	MOTOR TEMP SENSOR
MP8-42	MP8-42	MP8 CONTROL JB	MOTOR TEMP SENSOR
MP8-43	M4A-43	MP8 CONTROL JB	BEARING TEMP SENSOR
MP8-44	MP8-44	MP8 CONTROL JB	BEARING TEMP SENSOR
MP8-6	MP8-6	MP8 PURGE PANEL	SAFETY INTERLOCK
MP8-20	MP8-20	MP8 PURGE PANEL	SAFETY INTERLOCK
MP8-7	MP8-7	MP8 LOCAL PB STATION	START PUSH BUTTON
MP8-10	MP8-10	MP8 LOCAL PB STATION	START PUSH BUTTON
MP8-12	MP8-12	MP8 LOCAL PB STATION	STOP PUSH BUTTON
MP8-12A	MP8-12A	MP8 LOCAL PB STATION	STOP PUSH BUTTON
MP8-18	MP8-18	MP8 LOCAL PB STATION	MOTOR BUMP BUTTON
MP8-10	MP8-10	MP8 LOCAL PB STATION	MOTOR BUMP BUTTON
MP8-7	MP8-7	CP-00-67	FLOAT PUMP CALL
MP8-14	MP8-14	CP-00-67A	FLOAT PUMP CALL
MP8-7	MP8-7	SP399	SCADA PUMP CALL
MP8-14	MP8-14	SP400	SCADA PUMP CALL
TERMINAL NO.	WIRE NO.	OUTPUT DESTINATION	DESCRIPTION OF OUTPUT
MP8-7	MP8-7	MP8 LOCAL PB STATION	PUMP CALL LIGHT
MP8-X2	MP8-X2	MP8 LOCAL PB STATION	PUMP CALL LIGHT
MP8-6	MP8-6	MP8 LOCAL PB STATION	PUMP CALL LIGHT
MP8-24	MP8-24	MP8 LOCAL PB STATION	PUMP RUN LIGHT
MP8-X2	MP8-X2	MP8 LOCAL PB STATION	PUMP RUN LIGHT
MP8-6	MP8-6	MP8 LOCAL PB STATION	PUMP RUN LIGHT
MP8-4	CP-99C	CP-DI-99C	PUMP NOT RUNNING
MP8-4A	CP-96C	CP-DI-96C	PUMP NOT RUNNING
MP8-5B	CP-331	CP-DI-338	PUMP NOT RUNNING
MP8-5C	CP-331A	CP-DI-338A	PUMP NOT RUNNING
MP8-2	CP-1	CP-DI-1	MOTOR OVERLOAD TRIP
MP8-2A	CP-57	CP-DI-57	MOTOR OVERLOAD TRIP
MP8-2B	CP-448	CP-DI-448	MOTOR OVERLOAD ALARM
MP8-2C	CP-449	CP-DI-449	MOTOR OVERLOAD ALARM
MP8-40A	CP-489	CP-DI-489	OVER TEMP/MOIST ALARM
MP8-40B	CP-490	CP-DI-490	OVER TEMP/MOIST ALARM
MP8-23B	CP-558	CP-DI-558	MOTOR JB PURGE ALARM
MP8-23C	CP-560	CP-DI-560	MOTOR JB PURGE ALARM
MP8-0	SP97	SP98	ISOLATION SW. OPEN
MP8-0A	SP98	SP99	ISOLATION SW. OPEN
MP8-1D	SP99	SP100	MOTOR RUNNING
MP8-1E	SP100	SP101	MOTOR RUNNING
MP8-16	SP101	SP102	PUMP CONTROL NOT IN AUTO
MP8-16A	SP102	SP103	PUMP CONTROL NOT IN AUTO
MP8-44A	SP103	SP104	OVER TEMP/MOIST ALARM
MP8-44B	SP104	SP105	OVER TEMP/MOIST ALARM
MP8-22	SP105	SP106	MOTOR JB PURGE ALARM
MP8-22A	SP106	SP106	MOTOR JB PURGE ALARM

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
PUMP STATION NO. 27  
REHABILITATION  
PUMP MOTOR STARTER  
TERMINAL SCHEDULE SH. 2

SCALE: N/A      DRAWN BY: MS  
DATE: 04-23-10      CHECKED BY: MS

