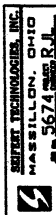


| APPLICATION                                        | READ OUT | REM READ OUT | RUN TIME METER | RUN LIGHT | REM RUN LIGHT | ALARM LIGHT | ALARM LIGHT | REM AL LIGHT | REM AL LIGHT | CONTROL | SENSOR | LOOP |
|----------------------------------------------------|----------|--------------|----------------|-----------|---------------|-------------|-------------|--------------|--------------|---------|--------|------|
| GRAVITY BELT THICKENER POLYMER UNIT GBTP-1         |          |              | KQI-808        | EL-808    | EL-810        | XAH-811     |             | XAH-812      |              | HS-813  |        | 54A  |
| GRAVITY BELT THICKENER POLYMER UNIT GBTP-2         |          |              | KQI-816        | EL-817    | EL-818        | XAH-819     |             | XAH-820      |              | HS-821  |        | 54B  |
| GRAVITY BELT THICKENER FILTRATE PUMP GBTFP-1       |          |              | KQI-824        | EL-825    | EL-826        | IAH-827     |             | IAH-828      |              | HS-829  |        |      |
|                                                    |          |              |                |           |               |             |             |              |              |         |        |      |
|                                                    |          |              |                |           |               |             |             |              |              |         |        |      |
| DIGESTER SLUDGE RECIRCULATION PUMP #1              |          |              | KQI-848        | EL-849    | EL-850        | IAH-851     |             | IAH-852      |              | HS-853  |        |      |
| DIGESTER SLUDGE RECIRCULATION PUMP #2              |          |              | KQI-856        | EL-857    | EL-858        | IAH-859     |             | IAH-860      |              | HS-861  |        |      |
| RAW SLUDGE TO SLUDGE BENDING                       | FI-863   | FI-864       |                |           |               | LAL-865     |             | LAL-866      |              |         |        |      |
| DIGESTER RECIRC. FLOWMETER                         | FI-870   | FI-871       |                |           |               |             |             |              |              |         |        |      |
| DIGESTER FEED FLOWMETER                            | FI-874   | FI-983       |                |           |               |             |             |              |              |         |        |      |
|                                                    |          |              |                |           |               |             |             |              |              |         |        |      |
| ANAEROBIC DIGESTER FEED PUMP ADFP-1                |          |              | KQI-888        | EL-889    | EL-890        | IAH-891     |             | IAH-892      |              | HS-893  |        | 61A  |
| ANAEROBIC DIGESTER FEED PUMP ADFP-2                |          |              | KQI-896        | EL-897    | EL-898        | IAH-899     |             | IAH-900      |              | HS-901  |        | 61B  |
| ANAEROBIC DIGESTER RECIRCULATION PUMP ADRP-1       |          |              | KQI-904        | EL-905    | EL-906        | IAH-907     |             | IAH-908      |              | HS-909  |        | 62A  |
| ANAEROBIC DIGESTER RECIRCULATION PUMP ADRP-2       |          |              | KQI-912        | EL-913    | EL-914        | IAH-915     |             | IAH-916      |              | HS-917  |        | 62B  |
|                                                    |          |              |                |           |               |             |             |              |              |         |        |      |
| DIGESTER GAS COMPRESSOR DGC-1                      |          |              | KQI-918        | EL-919    | EL-920        | IAH-921     |             | IAH-922      |              | HS-923  |        |      |
| DIGESTER GAS COMPRESSOR DGC-2                      |          |              | KQI-926        | EL-927    | EL-928        | IAH-929     |             | IAH-930      |              | HS-931  |        |      |
| DIGESTER GAS COMPRESSOR DGC-3                      |          |              | KQI-932        | EL-933    | EL-934        | IAH-935     |             | IAH-936      |              | HS-937  |        |      |
| BOILER UNIT BU-1                                   |          |              | KQI-938        | EL-939    | EL-940        | IAH-941     |             | IAH-942      |              | HS-943  |        |      |
| BOILER UNIT BU-2                                   |          |              | KQI-946        | EL-947    | EL-948        | IAH-949     |             | IAH-950      |              | HS-951  |        |      |
| BOILER UNIT BU-3                                   |          |              | KQI-954        | EL-955    | EL-956        | IAH-957     |             | IAH-958      |              | HS-959  |        |      |
| BOILER WATER PUMP BWP-1                            |          |              | KQI-962        | EL-963    | EL-964        | IAH-965     |             | IAH-966      |              | HS-967  |        |      |
| BOILER WATER PUMP BWP-2                            |          |              | KQI-968        | EL-969    | EL-970        | IAH-971     |             | IAH-972      |              | HS-973  |        |      |
| DIGESTER GAS - UTILITY                             | FI-980   | FI-981       |                |           |               |             |             |              |              |         |        |      |
| DIGESTER GAS - WASTE                               | FI-982   | FI-975       |                |           |               |             |             |              |              |         |        |      |
| FIRST STAGE DIGESTER TEMPERATURE                   | TI-984   | TI-985       |                |           |               |             |             |              |              |         |        |      |
| SECOND STAGE DIGESTER TEMPERATURE                  | TI-986   | TI-987       |                |           |               |             |             |              |              |         |        |      |
| SECONDARY DIGESTER LEVEL                           | LI-988   | LI-990       |                |           |               | LAH-991     |             | LAH-992      |              |         |        | 70   |
| PRIMARY DIGESTER LEVEL                             | LI-996   | LI-997       |                |           |               |             |             |              |              |         |        |      |
| BELT FILTER PRESS FEED PUMP BFFFP-1                |          |              | KQI-996        | EL-997    | EL-998        | IAH-999     |             | IAH-1000     |              | HS-1001 |        | 71A  |
| BELT FILTER PRESS FEED PUMP BFFFP-2                |          |              | KQI-1004       | EL-1005   | EL-1006       | IAH-1007    |             | IAH-1008     |              | HS-1009 |        | 71B  |
| BELT FILTER PRESS FEED PUMP BFFFP-3                |          |              | KQI-1102       | EL-1103   | EL-1104       | IAH-1105    |             | IAH-1106     |              | HS-1107 |        | 71C  |
| BELT FILTER PRESS BFP-1                            |          |              | KQI-1108       | EL-1109   | EL-1110       | IAH-1111    |             | IAH-1112     |              | HK-1113 |        | 72A  |
| BELT FILTER PRESS BFP-2                            |          |              | KQI-1116       | EL-1117   | EL-1118       | IAH-1119    |             | IAH-1120     |              | HK-1121 |        | 72B  |
|                                                    |          |              |                |           |               |             |             |              |              |         |        |      |
| BELT FILTER PRESS WASHWATER BOOSTER PUMP BFFWMBP-1 |          |              | KQI-1136       | EL-1137   | EL-1138       | IAH-1139    |             | IAH-1140     |              | HS-1141 |        | 74A  |
| BELT FILTER PRESS WASHWATER BOOSTER PUMP BFFWMBP-2 |          |              | KQI-1144       | EL-1145   | EL-1146       | IAH-1147    |             | IAH-1148     |              | HS-1149 |        | 74B  |
| BELT FILTER PRESS POLYMER UNIT BFFP-1              |          |              | KQI-1152       | EL-1153   | EL-1154       | IAH-1155    |             | IAH-1156     |              | HS-1157 |        | 55A  |
| BELT FILTER PRESS POLYMER UNIT BFFP-2              |          |              | KQI-1158       | EL-1159   | EL-1160       | IAH-1161    |             | IAH-1162     |              | HS-1163 |        | 55B  |
|                                                    |          |              |                |           |               |             |             |              |              |         |        |      |
|                                                    |          |              |                |           |               |             |             |              |              |         |        |      |
| POLYMER RECIRCULATION PUMP PRP-1                   |          |              | KQI-1188       | EL-1189   | EL-1190       | IAH-1191    |             | IAH-1192     |              | HS-1193 |        |      |
| POLYMER RECIRCULATION PUMP PRP-2                   |          |              | KQI-1196       | EL-1197   | EL-1198       | IAH-1199    |             | IAH-1200     |              | HS-1201 |        |      |
|                                                    |          |              |                |           |               |             |             |              |              |         |        |      |
| INCLINE SLUDGE CAKE CONVEYOR SCC-1                 |          |              | KQI-1202       | EL-1203   | EL-1204       | IAH-1205    |             | IAH-1206     |              | HK-1207 |        | 75   |
| REVERSING SLUDGE CAKE CONVEYOR RSCC-1              |          |              | KQI-1208       | EL-1209   | EL-1210       | IAH-1211    |             | IAH-1212     |              | HS-1213 |        | 76   |
| SLUDGE CAKE SCREW CONVEYOR SCSC-1                  |          |              | KQI-1216       | EL-1217   | EL-1218       | IAH-1219    |             | IAH-1220     |              | HK-1221 |        | 77A  |
| SLUDGE CAKE SCREW CONVEYOR SCSC-2                  |          |              | KQI-1226       | EL-1227   | EL-1228       | IAH-1229    |             | IAH-1230     |              | HK-1231 |        | 77B  |
|                                                    |          |              |                |           |               |             |             |              |              |         |        |      |
| SIDESTREAM STORAGE TANK MIXER SSTM-1               |          |              | KQI-1234       | EL-1235   | EL-1236       | IAH-1237    |             | IAH-1238     |              | HS-1239 |        |      |
| SIDESTREAM STORAGE TANK MIXER SSTM-2               |          |              | KQI-1242       | EL-1243   | EL-1244       | IAH-1245    |             | IAH-1246     |              | HS-1247 |        |      |
| SIDESTREAM STORAGE TANK MIXER SSTM-3               |          |              | KQI-1248       | EL-1249   | EL-1250       | IAH-1251    |             | IAH-1252     |              | HS-1253 |        |      |
| SIDESTREAM STORAGE TANK EFFLUENT LEVEL             | LI-1256  | LI-1257      |                |           |               | LAL-1258    |             | LAL-1259     |              |         |        |      |
|                                                    |          |              |                |           |               |             |             |              |              |         |        |      |
| BOILER UNIT COMMON TEMPERATURE                     | TI-1272  | TI-1273      |                |           |               |             |             |              |              |         |        |      |
| FIRST STAGE DIGEST TEMPERATURE DAILY AVERAGE       | TI-1275  | TI-1276      |                |           |               |             |             |              |              |         |        |      |
|                                                    |          |              |                |           |               |             |             |              |              |         |        |      |
| GBT FEED #1 FLOW                                   | FI-1284  | FI-1285      |                |           |               | LAL-1286    |             | LAL-1287     |              |         |        | 73A  |
| GBT FEED #2 FLOW                                   | FI-1289  | FI-1290      |                |           |               | LAL-1291    |             | LAL-1292     |              |         |        | 73B  |
|                                                    |          |              |                |           |               |             |             |              |              |         |        |      |
|                                                    |          |              |                |           |               |             |             |              |              |         |        |      |
| HIGH RIVER STAGE WETWELL LEVEL                     | LI-1600  | LI-1601      |                |           |               |             |             |              |              |         |        |      |
|                                                    |          |              |                |           |               |             |             |              |              |         |        |      |
| INPLANT WATER FEED PUMP IPWFP-1                    |          |              | KQI-1882       | EL-1883   | EL-1884       | IAH-1885    |             | IAH-1886     |              | HS-1887 |        |      |
| INPLANT WATER FEED PUMP IPWFP-2                    |          |              | KQI-1888       | EL-1889   | EL-1890       | IAH-1891    |             | IAH-1892     |              | HS-1893 |        |      |
| INPLANT WATER BOOSTER PUMP IPWBP-1                 |          |              | KQI-1896       | EL-1897   | EL-1898       | IAH-1899    |             | IAH-1900     |              | HS-1901 |        |      |
| INPLANT WATER BOOSTER PUMP IPWBP-2                 |          |              | KQI-1906       | EL-1907   | EL-1908       | IAH-1909    |             | IAH-1910     |              | HS-1911 |        |      |
|                                                    |          |              |                |           |               |             |             |              |              |         |        |      |
| BELT FILTER PRESS #1 TOTALIZED FLOW                | FI-1915  | FI-1916      |                |           |               | LAL-1917    |             | LAL-1918     |              |         |        |      |
| BELT FILTER PRESS #2 TOTALIZED FLOW                | FI-1920  | FI-1921      |                |           |               | LAL-1922    |             | LAL-1923     |              |         |        |      |
| WASHWATER TOTALIZED FLOW                           | FI-1927  | FI-1928      |                |           |               | LAL-1929    |             | LAL-1930     |              |         |        |      |
| SIDESTREAM TOTALIZED FLOW                          | FI-1933  | FI-1934      |                |           |               | LAL-1935    |             | LAL-1936     |              |         |        |      |
| INFLUENT WATER STORAGE TANK                        | LS-1940  | LS-1941      |                |           |               | LAL-1942    |             | LAL-1943     |              |         |        |      |
| GAS COMMON ALARM                                   | FI-1947  | FI-1948      |                |           |               | LAL-1949    |             | LAL-1950     |              |         |        |      |
| BELT FILTER PRESS FILTRATE PUMP BFFFP-1            |          |              | KQI-1958       | EL-1959   | EL-1960       | IAH-1961    |             | IAH-1962     |              | HS-1963 |        |      |
| BELT FILTER PRESS FILTRATE PUMP BFFFP-2            |          |              | KQI-1966       | EL-1967   | EL-1968       | IAH-1969    |             | IAH-1970     |              | HS-1971 |        |      |



ENVIRONMENTAL, INC.  
ENGINEERS IN WATER AND EARTH SCIENCES  
UNIONTOWN, OHIO

CITY OF MASSILLON, OHIO  
WWTP UPGRADE 2000  
INSTRUMENT AND CONTROLS LIST

JOB NO.  
E9031  
DATE  
8/12/01  
SCALE  
N/A  
SHEET  
P8