

APPENDIX G  
WATER SUPPLY EQUIPMENT

Surface Treatment Plant - Building 99 First Floor (Lower Level)	
Pumps	2 - Weinman model 4L1-2, 700 GPM 1 - Allis Chalmers model 100, 1400 GPM 1 - Allis Chalmers model 100, 5500 GPM (backwash pump)
Motors	1 - GE 50 Hp Energy Saver 1 - Marathon 50 Hp 1 - Lincoln 100 Hp 1 - Marathon 100 Hp (backwash)
Valves	2 - 8" Check valves 1 - 10" Check valve 1 - 16" Check valve 4 - 8" Check valves 2 - 10" Gate valves 5 - 12" Gate valves 1 - 16" Gate valve
Electrical	1 - Main disconnect panel 4 - Pump disconnect panels 1 - GE Transformer 50 KVA 2 - Circuit breaker panels 1 - Variable Speed Pump Control 1 - Kohler emergency power transfer switch 1 - Kohler 500 KVA emergency generator
Heating	1 - Modine hot water heater/fan unit 1 - HB Smith 2500L boiler/burner unit 1 - 50 gallon, electric water heater

Surface Treatment Plant - Building 99 Second Floor (pipe gallery)	
Valves	1 - 16" Gate valve 1 - 20" Regulator slide valve 1 - 3" Gate valve 11 - Actuators 4 - 16" 2 - 14" 2 - 10" 2 - 6" 1 - 20"
Meters	1 - Hach CL17 Chlorine Analyzer 2 - Hach 1720C Turbidity meters 4 - Hach 1720D Turbidity meters 4 - Hach PS1201 Power supply modules 1 - Streaming Current Sensor 1 - 16" Venturi
Pumps	2 - Milton Roy automatic chemical feed pumps 2 - Chemical feed pumps (back-up units for automatic system) 1 - Sump pump 5 - B&G circulators (pump from sample points to lab)
Miscellaneous	1 - 7,000 gallon liquid alum tank 1 - 20" Static mixer 1 - Air compressor, Speedaire 1 - Air compressor, Leland Faraday duel head 4 - Hot water heater/fan units

Surface Treatment Plant - Building 99 Third Floor (upper level)	
Filter Room	<ul style="list-style-type: none"> <li>2 - Multimedia filters total 4 MGD</li> <li>2 - Filter control panels</li> <li>5 - Chart recorders:               <ul style="list-style-type: none"> <li>1 - Chlorine residual</li> <li>4 - Turbidity</li> </ul> </li> <li>1 - Streaming current monitor</li> <li>1 - Chemtrac system display unit</li> <li>1 - Lan-Node 200 interface box</li> <li>2 - Hot water heater/fan units</li> </ul>
Laboratory	<ul style="list-style-type: none"> <li>1 - Hach DR 100 colorimeter (fluoride)</li> <li>1 - Hach 2100 AN Turbidimeter</li> <li>1 - Hach D8200C Direct Reading Spectrophotometer</li> <li>1 - Jar test mixing unit</li> <li>1 - Hot water heater/fan unit</li> <li>1 - Refrigerator, Whirlpool (samples only)</li> <li>1 - Refrigerator, GE (food only)</li> <li>1 - Six faucet sink</li> </ul>
Restroom and Janitors Closet	<ul style="list-style-type: none"> <li>1 - Shower stall</li> <li>1 - Toilet</li> <li>1 - Urinal</li> <li>1 - Basin</li> <li>1 - Slop sink</li> <li>1 - Hot water heater/fan unit</li> </ul>
Chemical Feed Room	<ul style="list-style-type: none"> <li>1 - Lime feed system</li> <li>1 - Standby chemical feed system</li> <li>1 - Emergency eye wash/shower station</li> <li>1 - Air exchange system</li> <li>1 - Hot water heater/fan unit</li> </ul>
Fluoride Feed Room	<ul style="list-style-type: none"> <li>1 - Fluoride feed system</li> <li>1 - 40 gallon electric water heater</li> <li>2 - Air exhaust fans</li> <li>1 - Base board heating unit</li> </ul>

<b>Surface Treatment Plant - Building 99</b>	
<b>Third Floor (upper level)</b>	
Work and Storage Area	<ul style="list-style-type: none"> <li>1 - Acid storage locker</li> <li>1 - Flammable storage locker</li> <li>2 - Wooden storage cabinets</li> <li>2 - Work benches</li> <li>1 - Double wheel grinder</li> <li>1 - Hot water heater/fan unit</li> <li>3 - Metal storage shelf units</li> <li>1 - Wooden storage shelf unit</li> </ul>
Operators Room	<ul style="list-style-type: none"> <li>2 - Automatic sludge removal control units</li> <li>1 - Drinking water fountain</li> <li>7 - Metal book shelves</li> <li>3 - Filing cabinets</li> <li>2 - Computer work stations</li> <li>1 - Process monitoring computer with monitor and printer</li> <li>2 - Personal computers with monitors and printers</li> <li>1 - Fax machine</li> <li>1 - Automated control unit for New Lisbon operations with printer</li> </ul>
<b>Lift Station - Building 95</b>	
Pumps	<ul style="list-style-type: none"> <li>1 - Gorman-Rupp centrifugal trash pump</li> <li>2 - ABS submersible sewage pumps</li> </ul>
Motors	<ul style="list-style-type: none"> <li>1 - Century AC 5 Hp</li> </ul>
Electrical	<ul style="list-style-type: none"> <li>2 - Control panels</li> <li>1 - Circuit breaker panel</li> <li>1 - Exhaust fan</li> </ul>
Miscellaneous	<ul style="list-style-type: none"> <li>1 - Slide away roof</li> </ul>

New Lisbon Pumping Station - Building 7061	
Pumps	3 - Submersibles, 1000 GPM each
Valves	2 - 8" Gate valves 1 - 10" Gate valve 2 - 8" Check valves 1 - 10" Check valve
Electrical	3 - Pump control panels 1 - Circuit breaker panel 1 - Main circuit panel 1 - Kohler emergency power transfer switch 1 - Kohler 250 KVA emergency generator
Heating	1 - Heil boiler and circulator 2 - Hot water heater/fan units 1 - Electrical heater 3 - Radiators
Meters	2 - 16" venturiss 2 - Flow recorders and charts 1 - pH meter and sample tank
Miscellaneous	1 - Lime feed system, automated 1 - Automated computer system
Well #1 - Building 4404	
<del>Pumps</del>	<del>1 - Turbine 700 GPM</del>
<del>Motors</del>	<del>1 - 75 Hp</del>
<del>Valves</del>	<del>2 - 8" Gate valves 1 - 8" Check valve 1 - 2" Air relief valve</del>
<del>Electrical</del>	<del>1 - Motor control panel 1 - Circuit breaker panel</del>
<del>Heating</del>	<del>2 - Electric heaters</del>
<del>Meters</del>	<del>1 - Flow meter with chart and recorder</del>
<del>Miscellaneous</del>	<del>1 - Gasoline powered engine (does not produce electricity, only runs pump)</del>

<b>Well #2 - Building 4295</b>	
Pumps	1 - Turbine 700 GPM 2 - Chemical feed pumps
Motors	1 - 75 Hp
Valves	2 - 8" Gate valves 1 - 8" Check valve 1 - 2" Air relief valve
Electrical	1 - Motor control panel 1 - Circuit breaker panel
Heating	2 - Electric heaters
Meters	1 - Flow meter with chart and recorder
Miscellaneous	1 - Gasoline powered engine (does not produce electricity, only runs pump)
<b>Well #4 - Building 5876</b>	
Pumps	1 - Turbine 700 GPM 2 - Chemical feed pumps
Motors	1 - 75 Hp
Valves	2 - 8" Gate valves 1 - 8" Check valve 1 - 2" Air relief valve
Electrical	1 - Motor control panel 1 - Circuit breaker panel
Heating	2 - Electric heaters
Meters	1 - Flow meter with chart and recorder

Well #5 - Building 5280	
Pumps	1 - Turbine 700 GPM 3 - Chemical feed pumps
Motors	1 - 75 Hp
Filters	3 - Manganese green sand pressurized filters
Valves	3 - 2" Clay valves 6 - 3" Clay valves 9 - 6" Clay valves 1 - 2" Gate valve 8 - 6" Gate valves 1 - 8" Gate valve
Electrical	1 - Main circuit panel 1 - Motor control panel 1 - Circuit breaker panel 1 - ONAN emergency generator transfer switch 1 - ONAN 250 KVA emergency generator
Heating	1 - Boiler and circulator unit 4 - Hot water heater/fan units 2 - Radiators
Meters	1 - Flow meter with chart and recorder
Miscellaneous	1 - Chlorine gas detector and alarm 1 - 500 gallon potassium permanganate solution tank 1 - 35 gallon fluoride solution tank 1 - 150 gallon hypochlorination tank 1 - Air compressor 1 - Air blower unit 1 - Eye wash/shower station 1 - Slop sink 1 - 25,000 gallon waste water holding tank