

## Water Resources Standard Equipment List

El Estero Wastewater Treatment Plant - March 8, 2011

No.	Equipment	Section
1	ABS Pumps	EEWWTP
2	Allen Bradley Program Logic Controllers	EEWWTP
3	Ashbrook Simon-Hartley Winkelpress	EEWWTP
4	Caterpillar Engine Generator Set	EEWWTP
5	Cisco Process Floor Ethernet Switches	EEWWTP
6	Cisco Routers	EEWWTP
7	Cornell Pumps	EEWWTP
8	Crane Valves	EEWWTP
9	De Zurik plug valve	EEWWTP
10	Delroyd-Nuttall Gear LLC, Gear Reducers	EEWWTP
11	Door-Oliver, Gear Reducers	EEWWTP
12	Eimco Gear Reducers	EEWWTP
13	Envirex Chain and Scrapper Sludge Collector Systems: <ul style="list-style-type: none"> <li>- Bearing Sleeve Band Clamps</li> <li>- Drive Chains</li> <li>- Drive Sprockets</li> <li>- Flight Chains</li> <li>- Flight Chain Holder Attachments</li> <li>- Flight Chain Pins</li> <li>- Flight Squeegee Assembly</li> <li>- Flights Sigma Plus 3"x 8"x 238"</li> <li>- Free Spinner Sprocket Bearing Sleeve Assembly</li> <li>- Free Spinner Sprocket Stub Shafts Assembly</li> <li>- Free Spinner Sprockets 23 Tooth</li> <li>- Head Shaft Bearing Assembly</li> <li>- Head Shaft Keyed Sprockets 23 Tooth</li> <li>- Head Shaft Keyed Sprockets 40 Tooth</li> <li>- Idler Sprockets</li> <li>- Jaw Clutch's</li> <li>- Railing Track Brackets</li> <li>- Secondary Scum Skimmer Assembly</li> <li>- Spacers Blocks</li> <li>- Upper, Lower, Curved Railing Track</li> <li>- Wear Shoes (Forward, Return and Guide)</li> <li>- Wear Strips (Floor &amp; Railings)</li> </ul>	EEWWTP
14	Envirex Primary Scum Skimmers Assembly (Bearings, Shafts, Scrapers)	EEWWTP
15	Fairbanks and Morse Pumps	EEWWTP
16	FCI Gas/Air Flow Meters	EEWWTP
17	Flowserve Pumps	EEWWTP
18	Fluid Dynamics / DynaJet Dry Polymer System	EEWWTP
19	Flygt ITT Industries Inc Pumps	EEWWTP
20	Flygt Pumps	EEWWTP
21	FMC Corporation Grit System	EEWWTP
22	Fontaine Valves	EEWWTP
23	Godwin Pumps	EEWWTP
24	HACH dissolved oxygen probes	EEWWTP
25	HACH turbidity meters	EEWWTP

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26	Hydromatic Pumps	EEWWTP
27	Ingersoll Rand Plant Air Compressors	EEWWTP
28	JWC Environmental, Screening Removal System	EEWWTP
29	Kato Generator	EEWWTP
30	Koyo PLC's	EEWWTP
31	Landia Mixers	EEWWTP
32	Link-Belt Gear Speed Reducer	EEWWTP
33	LMI Chemical Pumps	EEWWTP
34	Matticks Industries Supply Exhaust Fans	EEWWTP
35	Met-Pro Environmental Air Solution / Duall, Air Scrubbers	EEWWTP
36	Milliken Valves	EEWWTP
37	Milroyal Pumps	EEWWTP
38	Modicon Quantum Program Logic Controller	EEWWTP
39	Moyno Pumps	EEWWTP
40	MSA Gas Monitoring Sensors	EEWWTP
41	Olympian Generator	EEWWTP
42	Ovivo After Market Group (Eimco rep) Heat Exchangers	EEWWTP
43	Pacific Tek Screening Removal System	EEWWTP
44	Parkson Corporation Conveyor Systems	EEWWTP
45	Patterson Pump Division Pumps	EEWWTP
46	Peabody Floway Pumps	EEWWTP
47	Poly Processing Tanks	EEWWTP
48	Polytech Corporation Secondary Scum Collector: <ul style="list-style-type: none"> <li>- Rotating pipe Scum Collectors Assembly</li> <li>- Worm Gears</li> <li>- Ring Gears</li> <li>- Seals</li> <li>- Seal Clamps</li> <li>- Skimmer Tubes</li> <li>- Wall Bearings</li> <li>- Wall Bear Plates</li> </ul>	EEWWTP
49	Power Prime Pump	EEWWTP
50	Pro Quip Inc, Gear Reducers	EEWWTP
51	Red Valve Company Valves	EEWWTP
52	Roots Dresser, Blowers	EEWWTP
53	Rosemont pressure transmitters	EEWWTP
54	Rosemont -radar level monitoring	EEWWTP
55	Rosemount magnetic flow meters	EEWWTP
56	Rosemount Radar Level Sensors	EEWWTP
57	Rotork Actuators	EEWWTP
58	Serpentix Corporation Conveyor Systems	EEWWTP
59	Siemens Ultrasound Level Sensors	EEWWTP
60	Smith and Loveless Pumps	EEWWTP
61	Sonic Wall VPN/LS Routers	EEWWTP
62	Tarby Pumps	EEWWTP
63	Taylor Dunn Electric Carts	EEWWTP
64	Telemechaniques - variable frequency drive pump motor	EEWWTP
65	Turblex Inc, Blowers	EEWWTP
66	U.S. Filter - Wallace & Tiernan residual chlorine analyzers	EEWWTP

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67	US Filter, Poly Blend Pumps	EEWWTP
68	US Gearmotors Series 3000 - Emerson Gear Reducers	EEWWTP
69	Varec Gas System	EEWWTP
70	Vaughan Company, INC Pumps	EEWWTP
71	Wallace & Tiernen Chlorine Residual Analyzers	EEWWTP
72	Wemco Pumps	EEWWTP
73	RS Technical - Sewer Main CCTV Camera and Track Motor	Collection

## Water Resources Standard Equipment List

Cater Water Treatment Plant - March 8, 2011

No.	Equipment	Section
1	EIM electric valve operators	Cater WTP
2	Marsh McBirney insertion flow meters	Cater WTP
3	Rosemount pressure transmitters	Cater WTP
4	Rosemount differential pressure transmitters	Cater WTP
5	Watson Marlow chemical metering pumps (peristaltic)	Cater WTP
6	Peerless Pump horizontal centrifugal pumps	Cater WTP
7	Borger rotary lobe pumps	Cater WTP
8	Hayward PVC ball valves	Cater WTP
9	George Fisher plastic body diaphragm valves	Cater WTP
10	Guardian Equipment emergency eyewash and shower equipment	Cater WTP
11	Phoenix non-fused terminal blocks	Cater WTP
12	Phoenix fused terminal blocks	Cater WTP
13	Square D control relays	Cater WTP
14	Phoenix intrinsically safe relays	Cater WTP
15	Square D variable frequency drive pump motor controllers 60-500 Hp	Cater WTP
16	Square D dry type transformers	Cater WTP
17	Schneider Electric/Square D surge protection devices	Cater WTP
18	Schneider Electric/Square D disconnect switches	Cater WTP
19	Square D low voltage molded case circuit breakers	Cater WTP
20	Square D low voltage molded case circuit motor circuit protectors	Cater WTP
21	Square D motor starters (manual)	Cater WTP
22	Square D full voltage magnetic motor starters	Cater WTP
23	Square D reduced voltage solid-state motor starters	Cater WTP
24	Schneider Electric/Square D low voltage switch gear	Cater WTP
25	Schneider Electric/Square D low voltage motor control centers	Cater WTP
26	Schneider Electric/Square D panelboards	Cater WTP
27	Bussmann low voltage fuses	Cater WTP
28	Micro Motion coriolis mass flowmeters	Cater WTP
29	Rosemount pressure/vacuum measurement diaphragm seals	Cater WTP
30	Rosemount pressure/vacuum measurement instrument manifold valves	Cater WTP
31	Rosemount pressure/vacuum measurement direct	Cater WTP
32	HACH analytical measurement pH	Cater WTP
33	HACH residual ozone anylyzers	Cater WTP
34	APC control systems uninterruptible power supplies 10 KVA and below	Cater WTP
35	Cisco ethernet switches	Cater WTP
36	Cisco process floor ethernet switches	Cater WTP
37	Cisco unmanaged ethernet switches	Cater WTP
38	Cisco routers	Cater WTP
39	Phoenix contact copper to fiber transceiver	Cater WTP
40	Phoenix 3 port fiber transceiver	Cater WTP
41	Hubbell category 5e patch panels	Cater WTP
42	Hubbell category 6 patch panels	Cater WTP
43	Hoffman networking PC cabinets	Cater WTP
44	Control Logix control systems - PLC programming software	Cater WTP
45	Square D Co. - VFD pump motor controller 0.5-50 hp	Cater WTP
46	Siemans-Robicon VFD pump motor controller 60-500 hp	Cater WTP
47	Allen Bradley Program Logic Controllers	Cater WTP/Distribution
48	Siemens ultrasonic level indicator	Cater WTP/Distribution
49	HACH chlorine analyzers	Cater WTP/Distribution
50	HACH turbidity meters	Cater WTP/Distribution
51	HACH dissolved oxygen probes	Cater WTP/Distribution
52	Rosemount magnetic flow meters	Cater WTP/Distribution

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53	Rosemont pressure transmitters	Cater WTP/Distribution
54	Allen Bradley VFD pump controller 40 - 150 Hp	Distribution
55	Rosemount differential flow meters	Distribution
56	Keller / KPSI level transducers	Distribution
57	Sensus water meters (5/8")	Distribution
58	Murphy pressure switches	Distribution
59	Allen Bradley variable frequency drives	Distribution
60	MDS data radios (Microwave Data Systems)	Distribution
61	Phoenix industrial computers	Distribution
62	Phoenix high density relays	Distribution
63	Phoenix 24V and 12V power supplies	Distribution
64	APC uninterruptible power supply (American Power Conversion)	Distribution
65	LMI chemical feed pumps	Distribution
66	Cole Palmer peristaltic pumps	Distribution
67	Industrial Scientific gas detectors	Distribution
68	Hoffman enclosures	Distribution
69	Siemens / Milltronics Hydroranger Level Sensor	Distribution
70	Metron water meters (1" and larger)	Distribution
71	Pratt isolation valves	Distribution
72	Cla-Val pressure reducing valves	Distribution
73	James Jones Fire Hydrants	Distribution
74	Armorcast meter boxes	Distribution
75	Crane check valves	Distribution
76	De Zurik plug valve	Distribution