

APPENDIX D -PREVIOUS PILOT PLANT MATERIALS AND EQUIPMENT

Item #	Equipment Name	Description	Reference #	Serial #	Model	Manufacturer
1	Actuator valve	for sludge tank			VPVL200 SR4/5B	Apollo
2	Air compressor	175 psi 6.5 HP 80 GAL		2203021965	DLKC658OV2	Delta
3	Air compressor fittings					
4	Air compressor hose					
5	Air compressor regulators					
6	Backwash pump					Teel
7	Backwash pump motor	1/2 HP 1725 RPM	MTR REF# 1111502408		9K512	Dayton
8	Backwash pump VSD	3/4 HP	UNIT REF# 106303302		27846D	
9	Backwash supernatant pump					Teel
10	Backwash supernatant pump motor	3/4 HP 3450 RPM	MTR REF# C55CXGNH - 3730		9R759	Dayton
11	Chemical feed pump				V06231AD11	Fluid Metering Inc.
12	Chemical feed pump				V06231AD11	Fluid Metering Inc.
13	Chemical feed pump				V06231AD11	Fluid Metering Inc.
14	DAF recycle pump					Aurora
15	DAF tank					
16	DAF tank skimmer					
17	DAF tank valves	3" x 1, 4" x 4, 6" x 1, 8" x 2				
18	Dissolved ozone meter			19435	26506.OA	Orbisphere Laboratories
19	Filter columns					
20	Filter Media	charcoal				
21	Filter pump	Under platform		296	1P610	Teel
22	Filter pump				1P610	Teel
23	Filter pump				1P610	Teel
24	Filter pump				1P610	Teel
25	Filter Pump (spare)				1P610	
26	Filter Pump (spare)				1P610	
27	Filter Pump (spare)				1P610	
28	Filter pump motor	1/4 HP 1725 RPM	MTR REF# 1063073		4Z248D	Dayton
29	Filter pump motor	1/4 HP 1725 RPM	MTR REF# 1063073		4Z248D	Dayton
30	Filter pump motor	1/4 HP 1725 RPM	MTR REF# 1063073		4Z248D	Dayton
31	Filter pump motor	1/4 HP 1725 RPM	MTR REF# 1063073		4Z248D	Dayton
32	Filter pump VSD	1/4 HP	UNIT REF# 106303301		4Z248D	Dayton
33	Filter pump VSD	1/4 HP	UNIT REF# 106303301		4Z248D	Dayton
34	Filter pump VSD	1/4 HP	UNIT REF# 106303301		4Z248D	Dayton
35	Filter pump VSD	1/4 HP	UNIT REF# 106303301		4Z248D	Dayton
36	Gauges					
37	Injection spool					
38	Injection spool					
39	Level transducer	for sludge tank			XPS/XCT	Milltronics

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40	Level transmitter	for sludge tank			ERS500	Milltronics
41	MAG flow meter	Raw water line	Order Code 53W80-UL0B1RA0B2AA	53005016000	Promag W	Endress & Hauser
42	MAG flow meter	for saturator	Order Code 53W25-UL0A1RA0B4AW	52026416000	Promag W	Endress & Hauser
43	MET ONE	Power source for turbidimeter	Cat# A-606CHNF			Met One
44	MET ONE	Power source for Turbidimeter	Cat# A-606CHNF			Met One
45	Mixer			R0341432801	EV5050	Lightning
46	Mixer			R0341432901	ECL X6Q50	Lightning
47	Mixer			R0341432902	ECL X6Q50	Lightning
48	Mixer			R0337716301	ECL X6Q50	Lightning
49	Mixer motor	1/2 HP 1730 RPM				WEG
50	Mixer motor	1/2 HP 1160 RPM				WEG
51	Mixer motor	1/2 HP 1160 RPM				WEG
52	Mixer motor	1/2 HP 1160 RPM				WEG
53	Mixer motor VSD			2624	CACFWO80040B2024EONIAIZ	WEG
54	Mixer motor VSD			2621	CACFWO80040B2024EONIAIZ	WEG
55	Mixer motor VSD			2611	CACFWO80040B2024EONIAIZ	WEG
56	Mixer motor VSD			2608	CACFWO80040B2024EONIAIZ	WEG
57	Mixer Shafts					
58	Mixer Shafts					
59	Mixer Shafts					
60	Mixer Shafts					
61	Ozone contactor pump	Under DAF tank				Teel
62	Ozone contactor pump motor	Under DAF tank				G & L
63	Ozone destruct unit					PCI Ozone & Control Systems
64	Ozone destruct unit motor	"ring compressor" 115V			VFC063P-IT	
65	Ozone generator					Hankin Ozone
66	Ozone monitor	Off-Gas				PCI Ozone & Control Systems
67	Ozone monitor	Ambient				PCI Ozone & Control Systems
68	Ozone monitor compressor			NLL220659	5Z675A	Gast
69	Particulate counter	Flow Rate 100 ml/min		961133303	215W	Met One
70	Particulate counter	Flow Rate 100 ml/min		961133304	215W	Met One
71	PH & temperature analyzer				54PH	Rosemount
72	PLC					
73	Raw water pump	Size 2 1/2 x 3-8 Imp dia 8.50	Cat# 22SH2K6C0	C03000-10		G & L
74	Raw water pump motor					G & L
75	Raw water valve					
76	Re-circulating pump	1 1/4 - 1 1/2 - 6 Imp diameter 4.625"	Cat# 2STH3D3	E9600084		G & L
77	Re-circulating pump	2 1/4 - 1 1/2 - 6 Imp diameter 4.625"	Cat# 2STH3D3	D9600322		G & L
78	Re-circulating pump (spare)	1 1/4 - 1 1/2 - 6 Imp diameter 4.625"	Cat # 2ST1H3D3	D9600321		G & L
79	Re-circulating pump motor	3 HP 3450 RPM	Cat# 10312			Franklin Electrical
80	Re-circulating pump motor	3 HP 3450 RPM	Cat# 10312			Franklin Electrical
81	Re-circulating pump motor (spare)	3 HP 3450 RPM				Franklin Electrical

Item #	Equipment Name	Description	Reference #	Serial #	Model	Manufacturer
82	Rotameters					
83	Saturator					
84	Saturator flow meter		Order Code 50W25-ULOAIRAOB4AW	52026416000		Endress & Hauser Pro Mag W
85	Saturator piping					
86	Scraper motor	1/17 HP 62 RPM	Cat # M1115019.00		CM24D2SNZ2A	Leeson
87	Scraper motor VSD	1/4 HP			4Z248D	Dayton
88	Sludge pump				3P569B	Teel
89	Sludge pump motor	1/2 HP 1725 RPM	MTR REF# 1111602408		9K512	Dayton
90	Solenoid Actuator valve		Part # 900830-21320532	21178/31		Bray Controls
91	Static mixer	Max WP 150 psi Max temp 100°F	Job # 20978-03		MP-4-3	Komax Systems Inc
92	Static mixer	Max WP 150 psi Max temp 100°F	Job # 20978-03		MP-4-3	Komax Systems Inc
93	Transmitter			C00176946	1151 Smart	Rosemount
94	Transmitter			C00196949	1151 Smart	Rosemount
95	Transmitter			1979029	1151 Smart	Rosemount
96	Transmitter			C00176947	1151 Smart	Rosemount
97	Transmitter			C00176945	1151 Smart	Rosemount
98	Transmitter			1949031	1151 Smart	Rosemount
99	Transmitter			C00176945	1151 Smart	Rosemount
100	Transmitter			1949030	1151 Smart	Rosemount
101	Turbidimeter		P/N 42100-00	960100001577	Ratio 2000	Hach
102	Turbidimeter		P/N 42100-00	960100001579	Ratio 2000	Hach
103	Turbidity indicator		P/N 42100-00	960100001054	Ratio 2000D	Hach
104	Turbidity indicator		P/N 42100-00	960100001053	Ratio 2000D	Hach
105	Valves	Hayward Ball Valves				