						Basic Asset/ Component Information								Financial Accounting Values				Condition , Pe	Performance and Risk Assessment Informati		on
Asset Number	Category Sub-	Department	Roll Number	Process	System	Asset Name	Supplier	Year of	Useful Life	PSAB Useful	Remaining	PSAB	Age		ortization December	alue Replaceme	ent Condition Method of Last	Asset Conditions /	Probability Consequ		Critical Maintenance Activities /
Asset Number	Category	, Department	Kon Number	FIOCESS	System	Asset Name	Supplier	Acquisition	Oseiui Liie	Life	Useful Life	Remaining UL	Age	Dec	ember 31, 2012	Cost	Rating Assessment	Deficiencies	of Failure of Failu	re Criticality	Immediate Replacement
														1,838,083	1,720,327 117	7,756 18,210,	500				
WWTP-WHT-001	Mach/Equip Heavy	Wastewater Treatment and Disposal	562704012068400		Process Equipment			1999	40	20	26	6	14	\$ 30,073 \$	21,051 \$ 9	0,022 \$ 110,0	2 Field Audit		3.0 3.0	9.0	
WWTP-WHT-002 WWTP-WHT-003	Mach/Equip Heavy Mach/Equip Heavy	Wastewater Treatment and Disposal Wastewater Treatment and Disposal	562704012068400 562704012068400		Process Equipment Process Equipment	Air Blower 2 Clarifier/ Aeration Basin - Course Air Diffusers 1		1978 2009	40 5	20 5	5	0	35 4	\$ 11,521 \$	11,521 \$	- \$ 110,0 \$ 30.0		Replaced on 4 year cycle	3.0 3.0	9.0	
	Mach/Equip Heavy	Wastewater Treatment and Disposal	562704012068400		Process Equipment	Clarifier/ Aeration Basin - Course Air Diffusers 2		2010	5	5	2	2	3			\$ 30,0		Replaced on 4 year cycle	3.0 2.0	6.0	
WWTP-WHT-005 WWTP-WHT-006	Mach/Equip Heavy	Wastewater Treatment and Disposal Wastewater Treatment and Disposal	562704012068400 562704012068400		Process Equipment	Clarifier/ Aeration Basin - Course Air Diffusers 3 Clarifier/ Aeration Basin - Course Air Diffusers 4		2011	5	5	3	3	2			\$ 30,0		Replaced on 4 year cycle Replaced on 4 year cycle	3.0 2.0	6.0	
WWTP-WHT-007	Mach/Equip Heavy Mach/Equip Office	Wastewater Treatment and Disposal	562704012068400		Process Equipment Auxillary	Dakota S1.7D250 Steam Cleaner	InterSteam Technologies	2012 1997	10	10	0	0	1 16	\$ 5,625 \$	5,625 \$	- \$ 10,0		Replaced on 4 year cycle	3.0 2.0	6.0 3.0	
WWTP-WHT-008	Mach/Equip Heavy	Wastewater Treatment and Disposal	562704012068400		Auxillary	Wash Water Well		1972	50	50	9	9	41			\$ 10,0	0 1 1010 1 1001		2.0 1.0	2.0	
WWTP-WHT-009 WWTP-WHT-010	Mach/Equip Heavy Mach/Equip Heavy	Wastewater Treatment and Disposal Wastewater Treatment and Disposal	562704012068400 562704012068400		Auxillary Instrumentation	Lab Equipment - Ovens, Instuments In-line Ph Meter/ D.O. Meters/ Chart Recorder	Monarch/ lakeside	2000 2009	20	20	7	7	13 4	\$ 15,442 \$	3 088 \$ 12	\$ 15,0 2,353 \$ 40,0			2.0 2.0 3.0 3.0	9.0	
WWTP-WHT-011	Mach/Equip Heavy	Wastewater Treatment and Disposal	562704012068400	Auxillary	Process Equipment	Hoist		2009	50	50	46	46	4			\$ 10,0	2 Field Audit		2.0 1.0	2.0	
WWTP-WHT-012 WWTP-WHT-013	Mach/Equip Heavy Mach/Equip Heavy	Wastewater Treatment and Disposal Wastewater Treatment and Disposal	562704012068400 562704012068400		Process Equipment Process Equipment	Monorail Workshop Equipment	On-site Welding	2009 2000	20	20	7	7	13	\$ 15,000 \$	3,000 \$ 12	2,000 \$ 16,0			2.0 1.0 2.0 1.0		
WWTP-WHT-014	Buildings HVAC		562704012068400	Building	HVAC	Heating and Ventilation System		1974	40	40	1	1	39			\$ 660.0	000 4 Field Audit		4.0 4.0	16.0	
									50	50		<u> </u>				,					
WWTP-WHT-015	Buildings Heavy		562704012068400		Mechanical (Building) Louvres		1974	50	50	11	11	39			\$ 30,0	3 Field Audit		2.0 2.0	4.0	
WWTP-WHT-016 (B27) WWTP-WHT-017	Buildings Structure Buildings Structure	Wastewater Treatment and Disposal Wastewater Treatment and Disposal	562704012068400 562704012068400		Structure Structure	BLDG - Treatment Plant/ Pumping Station Building Roof Lining and Insulation		1974 1974	80 20	40	41 0	1 1	39 39	\$ 1,681,316 \$	1,639,283 \$ 42	2,033 \$ 3,000,0 \$ 50.0			1.0 4.0	4.0 8.0	
WWTP-WHT-018	Buildings Structure	Wastewater Treatment and Disposal	562704012068400	Building	Auxillary	Windows, Doors, Finishes		1974	40	40	1 1	1 1	39	Controlled		\$ 25,0	000 4 Field Audit		3.0 2.0	6.0	
WWTP-WHT-019 WWTP-WHT-020	Mach/Equip Heavy Mach/Equip Heavy	Wastewater Treatment and Disposal Wastewater Treatment and Disposal	562704012068400 562704012068400		Process Equipment Process Equipment	Chlorinator Air Outlet Control Valve 1		1994 2013	20 50	20 50	50	50	19 0	Controlled Asset	Controlled As	sset \$ 15,0 \$ 10,0			2.0 2.0 2.0 2.0	4.0	actuator functional but not installed
WWTP-WHT-021	Mach/Equip Heavy	Wastewater Treatment and Disposal	562704012068400		Process Equipment	Air Outlet Control Valve 2		2013	50	50	50	50	0			\$ 10,0	1 Field Audit		2.0 2.0	4.0	actuator functional but not installed
WWTP-WHT-022 WWTP-WHT-023	Mach/Equip Heavy Mach/Equip Heavy	Wastewater Treatment and Disposal Wastewater Treatment and Disposal	562704012068400 562704012068400		Process Equipment Process Equipment	Air Outlet Control Valve 3 Air Outlet Control Valve 4		2013 2013	50 50	50 50	50 50	50 50	0			\$ 10,0 \$ 10,0			2.0 2.0	4.0	actuator functional but not installed actuator functional but not installed
WWTP-WHT-024	Mach/Equip Heavy	Wastewater Treatment and Disposal	562704012068400	Clarification	Process Equipment	Air Piping 1		1972	80	80	39	39	41			\$ 100,0	000 3 Field Audit		2.0 2.0	4.0	The second secon
WWTP-WHT-025 WWTP-WHT-026	Mach/Equip Heavy Mach/Equip Heavy	Wastewater Treatment and Disposal Wastewater Treatment and Disposal	562704012068400 562704012068400		Process Equipment Process Equipment	1 3		1972 1982	80	80	39	39 49	41 31			\$ 100,0 \$ 100,0			2.0 2.0 2.0 2.0	4.0	
	Mach/Equip Heavy	Wastewater Treatment and Disposal Wastewater Treatment and Disposal	562704012068400		Process Equipment			1982	80	80	49	49	31			\$ 100,0			2.0 2.0 2.0 2.0		
WWTP-WHT-028	Mach/Equip Heavy	Wastewater Treatment and Disposal	562704012068400		Process Equipment			1972	40	40	0	0	41			\$ 40,0			3.0 2.0	6.0	Some covers replaced during 2010
WWTP-WHT-029 WWTP-WHT-030	Mach/Equip Heavy Mach/Equip Heavy	Wastewater Treatment and Disposal Wastewater Treatment and Disposal	562704012068400 562704012068400		Process Equipment Process Equipment	Clarifier/ Aeration Basin - Covers 2 Clarifier/ Aeration Basin - Covers 3		1972 1982	40	40	9	0	41 31			\$ 40,0 \$ 40,0			3.0 2.0 3.0 2.0	6.0	Some covers replaced during 2010
	Mach/Equip Heavy	Wastewater Treatment and Disposal	562704012068400		Process Equipment			1982	40	40	9	9	31			\$ 40,0			3.0 2.0	6.0	
	Mach/Equip Heavy Mach/Equip Heavy	Wastewater Treatment and Disposal Wastewater Treatment and Disposal	562704012068400 562704012068400		Process Equipment Process Equipment	Clarifier/ Aeration Basin - Handrails & Walkways 1 Clarifier/ Aeration Basin - Handrails & Walkways 2		1972 1972	40	40	0	0	41 41			\$ 40,0 \$ 40,0			3.0 2.0 3.0 2.0	6.0	Exterior hand rails were replaced 2010 Exterior hand rails were replaced 2010
WWTP-WHT-034	Mach/Equip Heavy	Wastewater Treatment and Disposal	562704012068400		Process Equipment	Clarifier/ Aeration Basin - Handrails & Walkways 3		1982	40	40	9	9	31			\$ 40,0			3.0 2.0	6.0	Exterior hand rails were replaced 2010
WWTP-WHT-035 WWTP-WHT-036	Mach/Equip Heavy Mach/Equip Heavy	Wastewater Treatment and Disposal Wastewater Treatment and Disposal	562704012068400 562704012068400		Process Equipment Process Equipment	Clarifier/ Aeration Basin - Handrails & Walkways 4 Clarifier/ Aeration Basin - Scraper Drive (incl shaft) 1	Norfab	1982 2010	40	40	9	9	31	\$ 21,777 \$	3,266 \$ 18	\$ 40,0 3,510 \$ 130,0			3.0 2.0	6.0	Exterior hand rails were replaced 2010 Scraper Arm replaced in 2013
WWTP-WHT-037	Mach/Equip Heavy	Wastewater Treatment and Disposal	562704012068400		Process Equipment	Clarifier/ Aeration Basin - Scraper Drive (incl shaft) 2	Norrab	1972	40	20	0	0	<u>3</u> 41	Controlled Asset	Controlled As	, , ,			3.0 2.0 3.0 2.0	6.0	Scraper Ammepiaceu in 2013
	Mach/Equip Heavy	Wastewater Treatment and Disposal	562704012068400		Process Equipment	Clarifier/ Aeration Basin - Scraper Drive (incl shaft) 3		1978	40	20	5	0	35	Controlled Asset	Controlled As				3.0 2.0	6.0	
	Mach/Equip Heavy Mach/Equip Heavy	Wastewater Treatment and Disposal Wastewater Treatment and Disposal	562704012068400 562704012068400		Process Equipment Process Equipment	Clarifier/ Aeration Basin - Scraper Drive (incl shaft) 4 Clarifier/ Aeration Basin - Slide Gates 1		1978 1972	40 60	20 60	19	19	35 41	Controlled Asset	Controlled As	sset \$ 150,0 \$ 20,0			3.0 2.0 4.0 3.0	6.0 12.0	
	Mach/Equip Heavy	Wastewater Treatment and Disposal	562704012068400		Process Equipment	Clarifier/ Aeration Basin - Slide Gates 2		1972	60	60	19	19	41			\$ 20,0	3 Field Audit		4.0 3.0	12.0	
WWTP-WHT-042 WWTP-WHT-043	Mach/Equip Heavy	Wastewater Treatment and Disposal Wastewater Treatment and Disposal	562704012068400 562704012068400		Process Equipment	Clarifier/ Aeration Basin - Slide Gates 3 Clarifier/ Aeration Basin - Slide Gates 4		1982	60	60	29	29	31			\$ 20,0			4.0 3.0 4.0 3.0	12.0 12.0	
	Mach/Equip Heavy Mach/Equip Structure	Wastewater Treatment and Disposal	562704012068400		Process Equipment Structure	Clarifier/ Aeration Basin - Slide Gates 4 Clarifier/ Aeration Basin - Concrete Structure 1		1982 1972	80	80	39	39	41			\$ 1,500,0			3.0 4.0		10 years
WWTP-WHT-045	Mach/Equip Structure	Wastewater Treatment and Disposal	562704012068400	Clarification	Structure	Clarifier/ Aeration Basin - Concrete Structure 2		1972	80	80	39	39	41			\$ 1,500,0	3 Field Audit		3.0 4.0	12.0	Concrete wear evident, refurbishment within 10 years
									00	00		100									Concrete wear evident, refurbishment within
WWTP-WHT-046	Mach/Equip Structure	Wastewater Treatment and Disposal	562704012068400	Clarification	Structure	Clarifier/ Aeration Basin - Concrete Structure 3		1982	80	80	49	49	31			\$ 1,500,0	3 Field Audit		3.0 4.0	12.0	Concrete wear evident, refurbishment within
WWTP-WHT-047	Mach/Equip Structure	Wastewater Treatment and Disposal	562704012068400	Clarification	Structure	Clarifier/ Aeration Basin - Concrete Structure 4		1982	80	80	49	49	31			\$ 1,500,0	900 3 Field Audit		3.0 4.0	12.0	20 years
WWTP-WHT-048	Mach/Equip Structure	Wastewater Treatment and Disposal	562704012068400	Clarification	Structure	Clarifier/ Aeration Basin - Structural Steel 1		1972	80	80	39	39	41			\$ 800,0	000 4 Field Audit		4.0 3.0	12.0	Steel should be refurbished
WWTP-WHT-049	Mach/Equip Structure	Wastewater Treatment and Disposal	562704012068400	Clarification	Structure	Clarifier/ Aeration Basin - Structural Steel 2		1972	80	80	39	39	41			\$ 800,0	900 4 Field Audit		4.0 3.0	12.0	Steel should be refurbished
WWTP-WHT-050	Mach/Equip Structure	Wastewater Treatment and Disposal	562704012068400) Clarification	Structure	Clarifier/ Aeration Basin - Structural Steel 3		1982	80	80	49	49	31			\$ 800,0	000 3 Field Audit		4.0 3.0	12.0	
					_				00	00	40		01								
WWTP-WHT-052	Mach/Equip Hardware		562704012068400 562704012068400	Control/SCAD		Clarifier/ Aeration Basin - Structural Steel 4 HMI		1982 1995	3	3	49 0	49	31 18			\$ 800,0 \$ 4,0	000 3 Field Audit		4.0 3.0 3.0 3.0	12.0 9.0	
	Mach/Equip Hardware Mach/Equip Hardware	Wastewater Treatment and Disposal Wastewater Treatment and Disposal	562704012068400 562704012068400			Instrumentation PLC	Alan Bradley	2000 2006	20 20	20 20	7 13	7 13	13 7			\$ 60,0 \$ 50,0			3.0 3.0 3.0 3.0	9.0 9.0	
WWTP-WHT-055	Mach/Equip Hardware	Wastewater Treatment and Disposal	562704012068400	Control/SCAD	A Hardware	RACA Verbatim Gateway Dialer	SPD Sales Ltd	2009	20	20	16	16	4	\$ 6,362 \$	1,272 \$ 5	5,090 \$ 7,0	000 1 Field Audit		30 30	9.0	
WWTP-WHT-057	Mach/Equip Hardware Mach/Equip Software	Wastewater Treatment and Disposal Wastewater Treatment and Disposal	562704012068400 562704012068400	Control/SCAD	A Software	Wiring & Panels IFIX Unlimited developer version 5 (50% of total cost)	Stroma Engineering	2006 2009	10	10	6	13 6	4	\$ 24,608 \$		\$ 150,0 1,765	2 Field Audit		3.0 3.0 3.0 3.0	9.0 9.0	
WWTP-WHT-058	Mach/Equip Software	Wastewater Treatment and Disposal	562704012068400	Control/SCAD	A Software	iFix SCADA software Operator 10, Antero Version software 50% of the cost (total cost	Stroma Engineering	2006	10	10	3	3	7	\$ 11,580 \$	8,106 \$ 3	3,474 \$ 15,0			3.0 3.0	9.0	
		Wastewater Treatment and Disposal	562704012068400			>\$5,000)	ALLMAX Software	2005	10	10	2	2	8	\$ 2,542 \$	2,034 \$	508 \$ 4,0			3.0 3.0	9.0	
WWTP-WHT-061	Mach/Equip Software Mach/Equip Heavy	Wastewater Treatment and Disposal Wastewater Treatment and Disposal	562704012068400 562704012068400) Electrical	A Software Electrical	Programming and Software Development Diesel Generator		2006 1999	50	50	36	36	7 14			\$ 60,0 \$ 85,0	2 Field Audit		3.0 3.0 3.0 3.0 2.0 3.0	9.0 6.0	
WWTP-WHT-062 WWTP-WHT-063	Mach/Equip Heavy Mach/Equip Heavy	Wastewater Treatment and Disposal Wastewater Treatment and Disposal	562704012068400 562704012068400		Electrical Electrical	Electrical Panels and Wiring Incoming Power Transformer		1980 2000	50 50	50 50	17 37	17 37	33 13			\$ 300,0 \$ 100,0			3.0 3.0 2.0 3.0	9.0 6.0	
WWTP-WHT-064	Mach/Equip Heavy	Wastewater Treatment and Disposal	562704012068400) Electrical	Electrical	MCC (incl Transformer)		1977	50	20	14	0	36	\$ 6,476 \$	6,476 \$	- \$ 70,0	000 3 Field Audit		3.0 5.0 3.0 3.0	15.0	Board is full
WWTP-WHT-066	Mach/Equip Heavy Mach/Equip Heavy	Wastewater Treatment and Disposal Wastewater Treatment and Disposal	562704012068400 562704012068400	Grit Removal	Electrical Auxillary	Transfer Switch Vortex Grit Removal Tank - Hand Rails, Gates, Covers, Crane		1999 2000	50 50	50 50	37	37	14 13			\$ 100,0 \$ 35,0	2 Field Audit		3.0 3.0 2.0 3.0 1.0 3.0	6.0	
	Mach/Equip Structure Mach/Equip Heavy	Wastewater Treatment and Disposal Wastewater Treatment and Disposal	562704012068400 562704012068400		Structure Piping & Valves	Vortex Grit Removal Tank Influent Piping		1972 1972	80 80	80 80	39	39 39	41 41			\$ 1,500,0 \$ 100,0		-		3.0	
WWTP-WHT-069	Mach/Equip Heavy	Wastewater Treatment and Disposal	562704012068400	Influent Piping	Piping & Valves	Yard Piping		1972	80	80	39	39	41			\$ 200,0	000 2 Field Audit		2.0 3.0	6.0	
WWTP-WHT-071	Mach/Equip Heavy Mach/Equip Heavy	Wastewater Treatment and Disposal Wastewater Treatment and Disposal	562704012068400 562704012068400	Outfall	Piping & Valves Piping & Valves	Effluent Pump - Piping & Valves Outlet Piping and Outlet Structure	+	2002 1972	50 80	50 80	39	39	11 41	+ -		\$ 4,0 \$ 150,0	000 2 Field Audit		3.0 2.0 2.0 3.0	6.0 6.0	
WWTP-WHT-072	Mach/Equip Heavy Mach/Equip Heavy	Wastewater Treatment and Disposal Wastewater Treatment and Disposal	562704012068400 562704012068400	Outfall	Process Equipment Pumps	Effluent Pump - Filters Effluent pump		2002 2002	20 50	20 50	9 30	9 30	11 11	Controlled Asset	Controlled As	\$ 4,0	000 3 Field Audit		3.0 2.0 3.0 3.0	6.0 9.0	
		•							50	50	39	35	15	Controlled Asset	Controlled AS						Bypass being used as primary screening,
WWTP-WHT-075	Mach/Equip Heavy Mach/Equip Heavy	Wastewater Treatment and Disposal Wastewater Treatment and Disposal	562704012068400 562704012068400	Screening	Process Equipment Process Equipment	Comminutor 1		1998 1978	20	20	0	0	35	Controlled Asset	Controlled As	\$ 100,0 sset \$ 8,0	000 3 Field Audit		2.0 2.0 3.0 2.0		major rehab required for screening Refurbished 2013, \$4500
WWTP-WHT-076 WWTP-WHT-077	Mach/Equip Heavy Buildings Structure	Wastewater Treatment and Disposal Wastewater Treatment and Disposal	562704012068400 562704012068400		Process Equipment Structure	Comminutor 2 Concrete Screening Structure		1978 1972	20 80	20 80	39	0 39	35 41	\$ 5,761 \$	5,761 \$	- \$ \$ 200,0	- 5 Field Audit		5.0 1.0 1.0 3.0	5.0 3.0	Not in use - not operational
	Mach/Equip Heavy	Wastewater Treatment and Disposal	562704012068400		Plumbing	Water Softener		2000	20	20	7	7	13			\$ 10,0	1 Field Audit		3.0 1.0	3.0	