City of Timmins 2014 Asset Management Plan Mattagami WPCP

			B	c Asset/ Component Info	nation											Conditio	on . Performance and	l Risk Assessment I	nformation	
Asset Number Category	Sub- Department	Roll Number	Location		Asset Name	Year of	Usoful Life PS	SAB Useful	PSAB Remaining	Age Update	Date Undate done	by Comments Re	placement Cost	ondition	Method of Last Condition	Asset Conditions /	Probability of	Consequence of	Risk / Criticality	Critical Maintenance Activities /
	Category			SS System		Acquisition		Life	UL Useful Life			by comments Re		Rating	Assessment	Deficiencies	Failure	Failure		Immediate Replacement
WWTP-MAT-001 Mach/Equip	Heavy Wastewater Treatment and Disposal	562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade	Electrical	General Electrical	2015	50	50	52 52	-2 Oct - 2	013 Ainley - SDC	\$	96,521,622	1	Contract Breakdown		2.0	3.0	6.0	
WWTP-MAT-002 Mach/Equip WWTP-MAT-003 Mach/Equip	Heavy Wastewater Treatment and Disposal Heavy Wastewater Treatment and Disposal	562705005457300 562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Aeration Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Aeration	Gates & Valves Piping & Valves	General Gates and Valves General Piping and Valves	2015 2015	60 60	60 60	62 62 62 62 62 62	-2 Oct - 2 -2 Oct - 2 -2 Oct - 2		G \$	1,056,000 1,980,000	1	Contract Breakdown Contract Breakdown		2.0 2.0	3.0 3.0	6.0 6.0	
WWTP-MAT-004 Mach/Equip WWTP-MAT-005 Mach/Equip	Heavy Wastewater Treatment and Disposal	562705005457300 562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Aeration Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Aeration	Process Equip Process Equip	Anoxic Zone Mixers	2015 2015	40 40	40 40	42 42 42 42 42 42	-2 Oct - 2 -2 Oct - 2		G \$	1,040,807 126,720	1	Contract Breakdown Contract Breakdown		3.0 3.0	3.0 3.0	9.0 9.0	
WWTP-MAT-006 Mach/Equip WWTP-MAT-007 Mach/Equip WWTP-MAT-008 Mach/Equip	Heavy Wastewater Treatment and Disposal	562705005457300 562705005457300 562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Aeration Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Aeration Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Aeration Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Aeration	Process Equip		2015 2015 2015	10 20	10 20 40	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	-2 Oct - 2 -2 Oct - 2		G \$	113,807 5,280 43,560	1	Contract Breakdown Contract Breakdown Contract Breakdown		3.0 2.0 2.0	3.0 3.0 2.0	9.0 6.0	
WWTP-MAT-009 Buildings WWTP-MAT-010 Mach/Equip	Structure Wastewater Treatment and Disposal	562705005457300 562705005457300 562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Opgrade Aeration Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Aeration Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Aeration Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Aeration	Pumps Structure Piping & Valve	Aeration Tanks Chemical Piping and Valves	2015 2015 2015	80	80 20	42 42 82 82 22 22	-2 Oct - 2 -2 Oct - 2 -2 Oct - 2	013 Ainley - SDC	G \$	9,002,400	1	Contract Breakdown Contract Breakdown		1.0 3.0	3.0	3.0	
WWTP-MAT-011 Mach/Equip	Heavy Wastewater Treatment and Disposal Heavy Wastewater Treatment and Disposal	562705005457300 562705005457300 562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Alum Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Alum Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Alum	Process Equip		2015 2015 2015	50 40	50 40	52 52 42 42	-2 Oct - 2 -2 Oct - 2		G \$	166,320 15,840	1	Contract Breakdown Contract Breakdown		2.0	3.0 3.0	6.0 9.0	
WWTP-MAT-013 Mach/Equip WWTP-MAT-014 Mach/Equip	Heavy Wastewater Treatment and Disposal	562705005457300 562705005457301	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Anaerobic Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Anaerobic Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Anaerobic		General Electrical General Electrical (Existing)	2015	50 50	50 50	52 52 9 9	-2 Oct - 2 41 Oct - 2	Ainley - SDC013Ainley - SDC013Ainley - SDC	G \$	330,000 2,000,000	1 3	Contract Breakdown Field Audit		2.0 2.0	3.0 3.0	6.0 6.0	
WWTP-MAT-015 Mach/Equip WWTP-MAT-016 Mach/Equip	Heavy Wastewater Treatment and Disposal	562705005457300 562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment UpgradeAnaerobicMattagami Wastewater Treatment Plant - Main PlantAnaerobic	esters Gates & Valves	General Gates and Valves Digester Gas Flowmeter	2015 2003	60 40	60 20	62 62 10 30	-2 Oct - 2 10 Oct - 2	Ainley - SDC013Ainley - SDC		396,000 5,000	1 2	Contract Breakdown Field Audit		2.0 3.0	3.0 3.0	6.0 9.0	
WWTP-MAT-017 Mach/Equip WWTP-MAT-018 Mach/Equip	Heavy Wastewater Treatment and Disposal	562705005457300 562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Anaerobic	esters Process Equip	General Piping and Valves Digester Gas Boosters	2015 2015	60 40	60 40	62 62 42 42	-2 Oct - 2 -2 Oct - 2	013 Ainley - SDC	G \$	396,000 80,520	1	Contract Breakdown Contract Breakdown		2.0 2.0	3.0 2.0	6.0 4.0	
WWTP-MAT-019 Mach/Equip WWTP-MAT-020 Mach/Equip WWTP-MAT-021 Mach/Equip	Heavy Wastewater Treatment and Disposal	562705005457300 562705005457300 562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Anaerobic Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Anaerobic Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Anaerobic Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Anaerobic	esters Process Equip	nt Digester Mixer	2015 2015 2015	40 40 40	40 40 40	42 4242 4242 4242	-2 Oct - 2 -2 Oct - 2	Ainley - SDC013Ainley - SDC013Ainley - SDC	G \$	279,840 313,238 79,200	1	Contract Breakdown Contract Breakdown Contract Breakdown		2.0	4.0 3.0 4.0	8.0 6.0	
WWTP-MAT-022 Mach/Equip WWTP-MAT-023 Mach/Equip	Heavy Wastewater Treatment and Disposal	562705005457301 562705005457300	Mattagami Wastewater Treatment Plant - Main Plant Anaerobic Mattagami Wastewater Treatment Plant - Main Plant Anaerobic Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Anaerobic	esters Process Equip	nt Piping, Valves and Equipment	1972 2015	60 10	60 10	<u>19</u> <u>19</u> 12 12	41 Oct - 2 -2 Oct - 2	Ainley - SDC 013 Ainley - SDC 013 Ainley - SDC 013 Ainley - SDC	G \$	2,000,000	3	Field Audit Contract Breakdown		2.0	3.0 1.0	6.0 1.0	
WWTP-MAT-024 Mach/Equip WWTP-MAT-025 Mach/Equip	Heavy Wastewater Treatment and Disposal	562705005457300 562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Anaerobic Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Anaerobic Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Anaerobic	esters Process Equip	ent Sodium Bicarbonate System	2015	40 40	40 40	42 42 42 42	-2 Oct - 2 -2 Oct - 2 -2 Oct - 2	013 Ainley - SDO	G \$	279,840 339,240	1 1	Contract Breakdown Contract Breakdown		3.0 2.0	2.0 3.0	6.0 6.0	
WWTP-MAT-026 Mach/Equip WWTP-MAT-027 Mach/Equip			Mattagami Wastewater Treatment Plant - Main Plant Anaerobic	1-1-		2010 2009	40 20	20 20	17 37 16 16	3 Oct - 2 4 Oct - 2	Ainley - SDC013Ainley - SDC	G S S	26,000 25,000	4 2	Field Audit Field Audit		5.0 3.0	3.0 2.0	15.0 6.0	
WWTP-MAT-028 Mach/Equip WWTP-MAT-029 Mach/Equip	Heavy Wastewater Treatment and Disposal	562705005457300 562705005457300	Mattagami Wastewater Treatment Plant - Main Plant Anaerobic	esters Pumps	Gas Booster Pump Sludge Loading Pump	1995 1972	20 40	20 20	2 2 0 0	18 Oct - 2 41 Oct - 2		G \$	16,000 -	4 4	Field Audit Field Audit		3.0 3.0	3.0 3.0	9.0 9.0	Replaced by 2015 Capital Proj.
	Structure	562705005457300	Mattagami Wastewater Treatment Plant - Main Plant Anaerobic	esters Structure	Sludge Transfer Pump Anaerobic Digester Building	1972 1972	40 80	20 80	0 0 39 39	41 Oct - 2 41 Oct - 2	013 Ainley - SDO	G \$	- 500,000	4 2	Field Audit Field Audit		3.0 1.0	2.0 4.0	6.0 4.0	Replaced by 2015 Capital Proj.
WWTP-MAT-032 Buildings WWTP-MAT-033 Buildings	Structure Wastewater Treatment and Disposal Structure Wastewater Treatment and Disposal	562705005457301 562705005457302	Mattagami Wastewater Treatment Plant - Main Plant Anaerobic Mattagami Wastewater Treatment Plant - Main Plant Anaerobic Mattagami Wastewater Treatment Plant - Main Plant Anaerobic	esters Structure	Anaerobic Digestor Tank - Roof Membrane 1 Anaerobic Digestor Tank - Roof Membrane 2	1972 1972 1072	20 20	20 20	U 0 0 0	41 Oct - 2 41 Oct - 2 41 Oct - 2 41 Oct - 2	013 Ainley - SDC	G Ś	30,000 30,000	4	Field Audit Field Audit		3.0 3.0	3.0 3.0	9.0 9.0	
WWTP-MAT-034 Buildings WWTP-MAT-035 Buildings WWTP-MAT-036 Mach/Equip	StructureWastewater Treatment and DisposalStructureWastewater Treatment and DisposalHeavyWastewater Treatment and Disposal	562705005457299 562705005457300 562705005457300	Mattagami Wastewater Treatment Plant - Main PlantAnaerobicMattagami Wastewater Treatment Plant - Main PlantAnaerobicMattagami Wastewater Treatment Plant - Secondary Treatment UpgradeAuxillary		Anaerobic Digestor Tank 1 Anaerobic Digestor Tank 2 Laboratory Fume Hoods and Storage Cabinets	1972 1972 2015	80 40	80 80 40	39 39 39 39 42 42	41 Oct - 2 41 Oct - 2 -2 Oct - 2	013 Ainley - SDC	G \$	4,000,000 4,000,000 11,880	2	Field Audit Field Audit Contract Breakdown		1.0	3.0 3.0 1.0	3.0 3.0 1.0	
WWTP-MAT-036 Mach/Equip WWTP-MAT-037 Mach/Equip WWTP-MAT-038 Mach/Equip	Heavy Wastewater Treatment and Disposal	562705005457300 562705005457300 562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Auxiliary Mattagami Wastewater Treatment Plant - Main Plant Auxiliary Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Auxiliary Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Auxiliary	Electrical Process Equip	Diesel Generator	2015 1978 2015	20 40	20 40	42 0 0 42 42	-2 Oct - 2 35 Oct - 2 -2 Oct - 2	013 Ainley - SDO		-	4	Field Audit Contract Breakdown		2.0	2.0	4.0	Replaced by 2015 Capital Proj.
WWTP-MAT-039 Mach/Equip WWTP-MAT-040 Mach/Equip	Heavy Wastewater Treatment and Disposal	562705005457300 562705005457300 562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Auxillary	Process Equip Process Equip Process Equip	nt Portable Cranes	2015 2015 2015	60 20	60 20	42 42 62 62 22 22	-2 Oct - 2 -2 Oct - 2 -2 Oct - 2	013 Ainley - SDC		81,840	1	Contract Breakdown Contract Breakdown		2.0	1.0	2.0	
WWTP-MAT-041 Mach/Equip WWTP-MAT-042 Mach/Equip	HeavyWastewater Treatment and DisposalHeavyWastewater Treatment and Disposal	562705005457297 562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Building Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Building	Electrical Electrical	Control Building Electrical General Electrical Requirments	1972 2015	50 50	50 50	9 9 52 52	41 Oct - 2 -2 Oct - 2	Ainley - SDO013Ainley - SDO013Ainley - SDO	G S S	500,000 660,000	3 1	Field Audit Contract Breakdown		2.0 2.0	3.0 2.0	6.0 4.0	
WWTP-MAT-043 Mach/Equip WWTP-MAT-044 Mach/Equip	Heavy Wastewater Treatment and Disposal Heavy Wastewater Treatment and Disposal	562705005457300 562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Building	Electrical Electrical	Heat Exchanger Lighting	1972 2015	20 40	20 40	0 0 42 42	41 Oct - 2 -2 Oct - 2	013 Ainley - SDC	G \$	53,000 884,400	3 1	Field Audit Contract Breakdown		3.0 2.0	2.0 1.0	6.0 2.0	
WWTP-MAT-045 Mach/Equip WWTP-MAT-046 Mach/Equip	Heavy Wastewater Treatment and Disposal	562705005457298 562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Building	Mechanical (Bu Mechanical (Bu	ling) General Mechanical Requirements	1972 2015	60 60	60 60	19 19 62 62	41 Oct - 2 -2 Oct - 2	013 Ainley - SDC	G \$	500,000 5,072,760	3 1	Field Audit Contract Breakdown		2.0 2.0	2.0 2.0	4.0 4.0	
WWTP-MAT-047 Mach/Equip WWTP-MAT-048 Mach/Equip	Heavy Wastewater Treatment and Disposal	562705005457300 562705005457300	Mattagami Wastewater Treatment Plant - Main Plant Building	Mechanical (Bu Mechanical (Bu	ling) Hotwater Boiler 2	1978 1978	20 20	20 20	0 0 0 0	35 Oct - 2 35 Oct - 2	013 Ainley - SDO	G \$		4	Field Audit Field Audit		3.0 3.0	2.0 2.0	6.0 6.0	Replaced by 2015 Capital Proj. Replaced by 2015 Capital Proj.
WWTP-MAT-049 Mach/Equip WWTP-MAT-050 Mach/Equip WWTP-MAT-051 Mach/Equip	Heavy Wastewater Treatment and Disposal	562705005457300 562705005457300 562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Building Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Building Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Building Building Building	Mechanical (Bu Mechanical (Bu Mechanical (Bu	ling) Pumps- Hydronic Systems	2015 2015 2015	40	40	62 62 42 42 42 42	-2 Oct - 2 -2 Oct - 2 -2 Oct - 2	013 Ainley - SDC	G \$	561,000 75,240	1	Contract Breakdown Contract Breakdown Contract Breakdown		2.0	1.0 2.0	2.0 4.0	
WWTP-MAT-051 Mach/Equip WWTP-MAT-053 Mach/Equip	Heavy Wastewater Treatment and Disposal	562705005457300 562705005457300 562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Building	Security	Fire Alarm System Security System	2015 2015 2015	40 40 40	40 40 40	42 42 42 42 42 42 42 42	-2 Oct - 2 -2 Oct - 2 -2 Oct - 2	013 Ainley - SDO	G \$	785,400	1	Contract Breakdown Contract Breakdown		2.0	2.0	4.0	
WWTP-MAT-054 (B26) Buildings	Structure Wastewater Treatment and Disposal	562705005457300	Mattagami Wastewater Treatment Plant - Main Plant Building	Structure	BLDG-Main Treatment Plant		80	20	0 29	51 Oct - 2			2,500,000	3	Field Audit		1.0	4.0	4.0	
WWTP-MAT-055 Mach/Equip WWTP-MAT-056 Mach/Equip	Heavy Wastewater Treatment and Disposal	562705005457300 562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Building Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Building	Structure Structure	Insulated Roll-up Door Roof Hatches	1962 2015 2015	60 60	60 60	62 62 62 62	-2 Oct - 2 -2 Oct - 2	Ainley - SDC013Ainley - SDC	G \$	80,520 58,080	1 1	Contract Breakdown Contract Breakdown		2.0 2.0	2.0 2.0	4.0 4.0	
WWTP-MAT-058 Mach/Equip	Structure Wastewater Treatment and Disposal Heavy Wastewater Treatment and Disposal	562705005457300 562705005457301	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Building Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Chlorine	Structure Electrical	Secondary Treatment Upgrade Building General Electrical	2015 1972	80 60	80 60	82 82 19 19	-2 Oct - 2 41 Oct - 2	013 Ainley - SDO	G \$	8,494,200 250,000	1 3	Contract Breakdown Field Audit		1.0 2.0	4.0 3.0	4.0 6.0	
WWTP-MAT-059 Mach/Equip WWTP-MAT-060 Mach/Equip WWTP-MAT-061 Mach/Equip	Heavy Wastewater Treatment and Disposal	562705005457300 562705005457300 562705005457300	Mattagami Wastewater Treatment Plant - Main Plant Chlorine	Process Equip Process Equip	ent Chlorinator	2015 1996 1978	20 20	20 20 20 20 20 20 20 20 20 20 20 20 20 2	22 22 3 3 25	-2 Oct - 2 17 Oct - 2 25 Oct - 2	013 Ainley - SDO	G \$	17,160 7,000	1 2	Contract Breakdown Field Audit Field Audit		4.0 3.0	4.0 4.0	16.0 12.0 16.0	
WWTP-MAT-061 Mach/Equip WWTP-MAT-062 Mach/Equip WWTP-MAT-063 Buildings			Mattagami Wastewater Treatment Plant - Main Plant Chlorine Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Chlorine Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Chlorine	Process Equip Process Equip Structure		2015	20 80	20 20 80	22 22 29 39	-2 Oct - 2 41 Oct - 2	Ainley - SDO013Ainley - SDO013Ainley - SDO	G \$	339,240	2 1 2	Contract Breakdown Field Audit		4.0 3.0 3.0	4.0	12.0	
WWTP-MAT-064 Buildings WWTP-MAT-065 Mach/Equip	Structure Wastewater Treatment and Disposal	562705005457301 562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Chlorine	Structure	Chlorine Storage Area	1972 1972 1978	80 20	80 20	39 39 0 0	41 Oct - 2 35 Oct - 2	013 Ainley - SDC	G \$	50,000	2 4	Field Audit Field Audit		1.0	4.0 3.0	4.0	
WWTP-MAT-066 Mach/Equip WWTP-MAT-067 Buildings	HeavyWastewater Treatment and DisposalStructureWastewater Treatment and Disposal	562705005457300 562705005457302	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Chlorine C Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Chlorine C	act Process Equip		2015 1972	50 80	50 80	52 52 39 39	-2 Oct - 2 41 Oct - 2	013 Ainley - SDO	G \$	58,080 1,000,000	1 2	Contract Breakdown Field Audit		2.0 1.0	3.0 3.0	6.0 3.0	
WWTP-MAT-068 Mach/Equip WWTP-MAT-069 Mach/Equip	Hardware Wastewater Treatment and Disposal	562705005457300 562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Control/SC Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Control/SC	A Hardware	Control Panels Field Device Wiring	2015 2015	20 20	20 20	22 22 22 22	-2 Oct - 2 -2 Oct - 2	013 Ainley - SDO	G \$	198,000 646,800	1 1	Contract Breakdown Contract Breakdown		2.0 2.0	4.0 4.0	8.0 8.0	
WWTP-MAT-070 Mach/Equip		562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Control/SC Mattagami Wastewater Treatment Plant - Main Plant Control/SC		Remote Processing Unit IFIX Unlimited developer version 5 (50% of total cos Operator 10, Antero Version software 50% of the co		20 10	20 10	22 22 6 6	-2 Oct - 2 4 Oct - 2			660,000 26,000	1 2	Contract Breakdown Field Audit		2.0 2.0	3.0 3.0	6.0 6.0	
WWTP-MAT-072 Mach/Equip WWTP-MAT-073 Mach/Equip	SoftwareWastewater Treatment and DisposalSoftwareWastewater Treatment and Disposal	562705005457300	Mattagami Wastewater Treatment Plant - Main Plant Control/SC Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Control/SC		(total cost >\$5,000) Process Control System Local Area Network	2005 2015	10	10	2 2	8 Oct - 2 -2 Oct - 2	013 Ainley - SDO 013 Ainley - SDO		3,000	1	Field Audit Contract Breakdown		2.0	3.0	6.0	
WWTP-MAT-073 Mach/Equip WWTP-MAT-074 Mach/Equip WWTP-MAT-075 Mach/Equip	Heavy Wastewater Treatment and Disposal	562705005457300 562705005457300 562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Control/SC	A Software	SCADA Testing and Commissioning General Electrical	2015 2015 2015	20 20 50	20 20 50	22 22 22 22 52 52	-2 Oct - 2 -2 Oct - 2 -2 Oct - 2	013 Ainley - SDO	G \$	19,800	1	Contract Breakdown Contract Breakdown		2.0	2.0 3.0	4.0	
WWTP-MAT-076 Mach/Equip WWTP-MAT-077 Mach/Equip	Heavy Wastewater Treatment and Disposal	562705005457300 562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Effluent Re	Gates & Valves	General Gates and Valves General Piping and Valves	2015	60 60	60 60	62 62 62 62 62 62	-2 Oct - 2 -2 Oct - 2	013 Ainley - SDO	G \$	132,000 66,000	1	Contract Breakdown Contract Breakdown		2.0 2.0	2.0 3.0	4.0	
WWTP-MAT-078 Mach/Equip WWTP-MAT-079 Mach/Equip	Heavy Wastewater Treatment and Disposal Heavy Wastewater Treatment and Disposal	562705005457300 562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Effluent Re	Piping & Valve Process Equip	Watermains Automatic Self Cleaning Strainers	2015 2015	80 50	80 50	82 82 52 52	-2 Oct - 2 -2 Oct - 2	Ainley - SDO013Ainley - SDO013Ainley - SDO	G \$ G \$	382,800 36,960	1 1	Contract Breakdown Contract Breakdown		2.0 3.0	2.0 2.0	4.0 6.0	
WWTP-MAT-080 Mach/Equip WWTP-MAT-081 Mach/Equip	Heavy Wastewater Treatment and Disposal	562705005457300	Mattagami Wastewater Treatment Plant - Main Plant Effluent Re	e Pumps	Effluent Pump 1 Effluent Pump 2	1978 2004	50 50	20 20	0 15 11 41	35 Oct - 2 9 Oct - 2	013 Ainley - SDC	G \$	-	4	Field Audit Field Audit		3.0 3.0	2.0 2.0	6.0 6.0	Replaced by 2015 Capital Proj. Replaced by 2015 Capital Proj.
WWTP-MAT-082 Mach/Equip WWTP-MAT-083 Mach/Equip WWTP-MAT-084 Mach/Equip	Heavy Wastewater Treatment and Disposal	562705005457300 562705005457300 562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Electrical	Electrical	Effluent Water Pumps 27.6 kV Poles and Pole Mounted Equipment	2015 2015 1977	60 40	60 40	62 62 42 42	-2 Oct - 2 -2 Oct - 2 36 Oct - 2	013 Ainley - SDC	G \$	145,200 118,800	1	Contract Breakdown Contract Breakdown		3.0 2.0	2.0 2.0	6.0 4.0	
WWIP-MAI-084 Mach/Equip WWTP-MAT-085 Mach/Equip WWTP-MAT-086 Mach/Equip	Heavy Wastewater Treatment and Disposal	562705005457300 562705005457300 562705005457300	Mattagami Wastewater Treatment Plant - Main Plant Electrical	Electrical Electrical Electrical	MCC 1 MCC 2 MCC 3	1977 1977 1977	20 20 20	20 20 20		36 Oct - 2 36 Oct - 2 36 Oct - 2 36 Oct - 2)13 Ainley - SDO	G \$	32,000 21,000 21.000	3 3	Field Audit Field Audit Field Audit		3.0 3.0 3.0	2.0 2.0 2.0	6.0 6.0	
WWTP-MAT-087 Mach/Equip WWTP-MAT-088 Mach/Equip	Heavy Wastewater Treatment and Disposal Heavy Wastewater Treatment and Disposal	562705005457300 562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Electrical Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Electrical	Electrical Electrical	Medium Voltage Metal Enclosed Switchgear Power Transformer- Liquid Dielectric	2015 2015	40 60	40 60	42 42 62 62	-2 Oct - 2 -2 Oct - 2	Ainley - SDO013Ainley - SDO013Ainley - SDO	G \$ G \$	699,600 825,000	1	Contract Breakdown		3.0 3.0	2.0 2.0	6.0 6.0	
WWTP-MAT-089 Mach/Equip	Heavy Wastewater Treatment and Disposal	562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Electrical	Electrical	Standby Diesel Generator Set	2015	50	50	52 52	-2 Oct - 2	013 Ainley - SDC	G S	957,000	1	Contract Breakdown		3.0	2.0	6.0	
WWTP-MAT-090 Mach/Equip WWTP-MAT-091 Mach/Equip	Heavy Wastewater Treatment and Disposal	562705005457301 562705005457301	Mattagami Wastewater Treatment Plant - Main Plant Grit Remove Mattagami Wastewater Treatment Plant - Main Plant Grit Remove Mattagami Wastewater Treatment Plant - Main Plant Grit Remove	Auxillary Electrical	Metal Swing Door General Electrical	1972 1972	50 60	50 60	9 9 19 19	41 Oct - 2 41 Oct - 2	013 Ainley - SDO	G \$	10,000 250,000	5 3	Field Audit Field Audit		3.0 2.0	2.0 3.0	6.0 6.0	Replacement within 5 years
WWTP-MAT-092 Mach/Equip WWTP-MAT-093 Mach/Equip	HeavyWastewater Treatment and DisposalHeavyWastewater Treatment and Disposal	562705005457300 562705005457300		Electrical Gates & Valves	General Electrical General Gates and Valves	2015 2015 2015	50 60	50 60	52 52 62 62	-2 Oct - 2 -2 Oct - 2	013 Ainley - SDO	G \$	66,000 132,000	1	Contract Breakdown Contract Breakdown		2.0 2.0	2.0 2.0	4.0 4.0	
WWTP-MAT-094 Mach/Equip		562705005457300 562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Grit Remove Mattagami Wastewater Treatment Plant - Main Plant Grit Remove	Piping & Valve Process Equip	General Piping and Valves	2015 1978	40	40	5 5	-2 Oct - 2 35 Oct - 2			132,000	4	Contract Breakdown Field Audit		2.0	2.0	4.0 8.0	Replaced by 2015 Capital Proj.
WWTP-MAT-096 Mach/Equip			Mattagami Wastewater Treatment Plant - Main Plant Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Grit Remov	Process Equip		2015	10	10	12 12	35 Oct - 2 -2 Oct - 2	013 Ainley - SDC		95,040	1	Contract Breakdown		3.0	3.0	9.0	
	Structure Wastewater Treatment and Disposal		Mattagami Wastewater Treatment Plant - Main Plant Grit Remov	Process Equip		1972	50	50	9 9	41 Oct - 2			-	3	Field Audit		3.0	2.0	6.0	Replaced by 2015 Capital Proj.
WWTP-MAT-098 Mach/Equip WWTP-MAT-099 Mach/Equip	Heavy Wastewater Treatment and Disposal		Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Grit Remov	Process Equip Process Equip	ent Grit Separation & Classifying Equipment	1978 2015	50 40	50 40	15 15 42 42	35 Oct - 2 -2 Oct - 2	013 Ainley - SDO	G \$	- 101,640	3	Field Audit Contract Breakdown		3.0 3.0	2.0 1.0	6.0 3.0	Replaced by 2015 Capital Proj.
WWTP-MAT-100 Mach/Equip WWTP-MAT-101 Mach/Equip WWTP-MAT-102 Mach/Equip	Heavy Wastewater Treatment and Disposal	562705005457300 562705005457300 562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Grit Remov	Process Equip Process Equip	ent Positive Displacement Blower	2000 2015 2015	20 40	20 40	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	13 Oct - 2 -2 Oct - 2	013 Ainley - SDO	G \$	19,000 33,000 36,960	2	Field Audit Contract Breakdown		2.0 3.0	1.0 3.0	2.0 9.0 6.0	
WWTP-MAT-102 Mach/Equip WWTP-MAT-103 Buildings	Heavy Wastewater Treatment and Disposal Structure Wastewater Treatment and Disposal			Pumps Structure	Grit Transfer Pumps Grit Removal & Old Screening Building	2015 1972	80	40 80	42 42 39 39	-2 Oct - 2 41 Oct - 2			36,960 600,000	2	Contract Breakdown Field Audit		3.0 1.0	2.0 3.0	6.0 3.0	
WWTP-MAT-104 Buildings	Structure Wastewater Treatment and Disposal	562705005457300	Mattagami Wastewater Treatment Plant - Main Plant Grit Remov	Structure	Grit Removal Tank 1	1972	80	80	39 39	41 Oct - 2	013 Ainley - SDC	G \$	400,000	2	Field Audit		1.0	3.0	3.0	Upgraded to Vortex grit removal 201
WWTP-MAT-105 Buildings WWTP-MAT-106 Mach/Equip	StructureWastewater Treatment and DisposalStructureWastewater Treatment and Disposal	562705005457300 562705005457300	Mattagami Wastewater Treatment Plant - Main Plant Grit Remove Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Grit Remove	Structure Structure	Grit Removal Tank 2 Vortex Grit Tanks - Upgrade	1978 2015	80 80	80 80	45 45 82 82	35 Oct - 2 -2 Oct - 2	Ainley - SDO Ainley - SDO	G S	400,000 277,200	2 1	Field Audit Contract Breakdown		1.0 1.0	3.0 3.0	3.0 3.0	Upgraded to Vortex grit removal 2015
WWTP-MAT-107 Mach/Equip	Heavy Wastewater Treatment and Disposal Heavy Wastewater Treatment and Disposal	562705005457300 562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Instrument Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Instrument	n Instrumentation n Instrumentation	Automatic Sampler Density Transmitter	2015 2015	20 20	20 20	22 22 22 22	-2 Oct - 2 -2 Oct - 2	Ainley - SDC013Ainley - SDC	G S S	15,840 33,000	1	Contract Breakdown Contract Breakdown		2.0 2.0	2.0 3.0	4.0 6.0	
WWTP-MAT-109 Mach/Equip WWTP-MAT-110 Mach/Equip	HeavyWastewater Treatment and DisposalHeavyWastewater Treatment and Disposal	562705005457300 562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Instrument	n Instrumentation n Instrumentation	Differential Pressure Transmitter DO Analyzer	2015 2015	20 20	20 20	22 22 22 22 22 22	-2 Oct - 2 -2 Oct - 2	Ainley - SD0013Ainley - SD0	G S S	13,200 33,000	1	Contract Breakdown Contract Breakdown		2.0 3.0	3.0 3.0	6.0 9.0	
WWTP-MAT-111 Mach/Equip WWTP-MAT-112 Mach/Equip	Heavy Wastewater Treatment and Disposal		Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade	n Instrumentatior	Flow- Magnetic Flow meter Flow- Open Channel Flow meter	2015 2015 2015	20 20	20 20	22 22 22 22 22 22	-2 Oct - 2 -2 Oct - 2	013 Ainley - SDO	G \$	59,400 13,200	1	Contract Breakdown Contract Breakdown		2.0 2.0	3.0 3.0	6.0 6.0	
WWTP-MAT-113 Mach/Equip WWTP-MAT-114 Mach/Equip WWTP-MAT-115 Mach/Equip	Heavy Wastewater Treatment and Disposal	562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Instrument	n Instrumentatior	Flow Switch Flow- Thermal Mass Flow meter General Instrumentation Requirements	2015 2015 2015	20 20 20	20 20 20	22 22 22 22 22 22	-2 Oct - 2 -2 Oct - 2 -2 Oct - 2	013 Ainley - SDC	G \$	1,980 63,360 241,560	1 1	Contract Breakdown Contract Breakdown Contract Breakdown		2.0 2.0	3.0 3.0	6.0 6.0 12.0	
WWTP-MAT-115 Mach/Equip WWTP-MAT-116 Mach/Equip WWTP-MAT-117 Mach/Equip	Heavy Wastewater Treatment and Disposal		Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Instrument	n Instrumentatior	General Instrumentation Requirements Hydrostatic Transmitter Level- Float Switch	2015 2015 2015	20 20 20	20 20 20	22 22 22 22 22 22	-2 Oct - 2 -2 Oct - 2 -2 Oct - 2	013 Ainley - SDO	G \$	241,560 3,300 1.980	1	Contract Breakdown Contract Breakdown Contract Breakdown		2.0	4.0 3.0 3.0	6.0 6.0	
WWTP-MAT-118 Mach/Equip	Heavy Wastewater Treatment and Disposal		Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Instrument		Level- Ultrasonic Level Transmitter	2015	20	20	22 22 22	-2 Oct - 2	13 Ainley - SDC 013 Ainley - SDC		26,400	1	Contract Breakdown		2.0	3.0	6.0	

City of Timmins 2014 Asset Management Plan Mattagami WPCP

		Basic Asset/ Component Information											Condition, Performance and Risk Assessment Information								
Asset Number Category Categ	b- Department gory	Roll Number	Location	Process	System	Asset Name	Year of Acquisition	Life PSAB	B Useful Life	PSAB Remaining UL UL	Age Update	e Date Up	Update done by Comments	Replacement Cost	Condition Rating	Method of Last Condition Assessment	Asset Conditions / Deficiencies	Probability of Failure	Consequence of Failure	Risk / Criticality	Critical Maintenance Activities / Immediate Replacement
WWTP-MAT-119 Mach/Equip Heavy WWTP-MAT-120 Mach/Equip Heavy	Wastewater Treatment and Disposal Wastewater Treatment and Disposal		Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade	Instrumentation Instrumentation	Instrumentation Instrumentation	Level-Radar Level Transmitter Pressure Indicating Gauge	2015 20 2015 20) 2	20 20	22 22 22 22	-2 Oct - 2 -2 Oct - 2		Ainley - SDG Ainley - SDG	\$ 2,640 \$ 1,980	1 1	Contract Breakdown Contract Breakdown		2.0 2.0	3.0 3.0	6.0 6.0	
WWTP-MAT-121 Mach/Equip Heavy WWTP-MAT-122 Mach/Equip Heavy	Wastewater Treatment and Disposal	562705005457300 562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade	Instrumentation Instrumentation	Instrumentation Instrumentation	Pressure Switch Pressure Transmitter	2015 20 2015 20) 2	20 20	22 22 22 22	-2 Oct - 2 -2 Oct - 2		Ainley - SDG Ainley - SDG	\$ 3,300 \$ 13,200	1	Contract Breakdown Contract Breakdown		2.0	3.0	6.0	
WWTP-MAT-123 Mach/Equip Heavy	Wastewater Treatment and Disposal	562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade	Instrumentation	Instrumentation	Process Control and Instrumentation	2015 20	2	20	22 22	-2 Oct - 2	2013	Ainley - SDG	\$ 132,000 \$ 132,000	1	Contract Breakdown		3.0	3.0	9.0	
WWTP-MAT-124 Mach/Equip Heavy WWTP-MAT-125 Mach/Equip Heavy	Wastewater Treatment and Disposal		Mattagami Wastewater Treatment Plant - Main Plant Mattagami Wastewater Treatment Plant - Main Plant	Instrumentation Instrumentation	Instrumentation Instrumentation	Pump control PLC Pump control PLC 2	2007 20 2008 20		20	14 14 15 15	6 Oct - 2 5 Oct - 2		Ainley - SDG Ainley - SDG	\$ 32,000 \$ 18,000	2 2	Field Audit Field Audit		3.0	3.0	9.0	
WWTP-MAT-126 Mach/Equip Heavy WWTP-MAT-127 Mach/Equip Heavy		562705005457300 562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade	Instrumentation Instrumentation	Instrumentation Instrumentation	Temperature Indicator Temperature Ambient Air Transmitter	2015 20 2015 20		20	22 22 22 22	-2 Oct - 2		Ainley - SDG Ainley - SDG	\$ 26,400 \$ 19,800	1	Contract Breakdown Contract Breakdown		2.0	3.0	6.0	
WWTP-MAT-128 Mach/Equip Heavy	Wastewater Treatment and Disposal	562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade	Instrumentation	Instrumentation	Temperature Switch	2015 20) 2	20	22 22	-2 Oct - 2	2013	Ainley - SDG	\$ 3,300	1	Contract Breakdown		2.0	3.0	6.0	
WWTP-MAT-129 Mach/Equip Heavy WWTP-MAT-130 Mach/Equip Heavy			Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Mattagami Wastewater Treatment Plant - Main Plant	Instrumentation Intake Chambers	Instrumentation Process Equipment	Temperature Transmitter Wetwell Crane	2015 20 2004 20) 2	20 20	<u>22</u> <u>22</u> 11 11	-2 Oct - 2 9 Oct - 2		Ainley - SDG Ainley - SDG	\$ 19,800 \$ 21,000	1 2	Contract Breakdown Field Audit		2.0	3.0	<u>6.0</u> 4.0	
WWTP-MAT-131 Mach/Equip Heavy WWTP-MAT-132 Mach/Equip Heavy		562705005457300 562705005457301	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade	Odour Control	Process Equipment Piping & Valves	Process Odour Control Outlet Piping	2015 40 1972 60) 4	40	42 42	-2 Oct - 2 41 Oct - 2		Ainley - SDG Ainley - SDG	\$ 108,240 \$ 100,000	1	Contract Breakdown Field Audit		3.0	2.0	6.0	
WWTP-MAT-133 Mach/Equip Heavy	Wastewater Treatment and Disposal	562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade	Outfalls	Process Equipment	Outlet Parrshall Flume	2015 20) 2	20	22 22	-2 Oct - 2	2013	Ainley - SDG	\$ 10,560	1	Contract Breakdown		2.0	2.0	4.0	
WWTP-MAT-134 Mach/Equip Heavy WWTP-MAT-135 Mach/Equip Heavy	Wastewater Treatment and Disposal Wastewater Treatment and Disposal	562705005457300 562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade	Polymer Polymer	Piping & Valves Process Equipment	Chemical Piping and Valves Polymer Systems	2015 20 2015 40) 2	20 40	<u>22</u> <u>22</u> 42 42	-2 Oct - 2 -2 Oct - 2		Ainley - SDG Ainley - SDG	\$ 64,020 \$ 171,600	1	Contract Breakdown Contract Breakdown		3.0 3.0	3.0	9.0	
WWTP-MAT-136 Mach/Equip Heavy WWTP-MAT-137 Mach/Equip Heavy		562705005457300 562705005457299	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Mattagami Wastewater Treatment Plant - Main Plant	Primary Clarification Primary Clarification	Electrical Electrical	General Electrical General Electrical (Existing)	2015 50 1972 60) 5	50 60	52 52 19 19	-2 Oct - 2		Ainley - SDG Ainley - SDG	\$ 198,000 \$ 1,500,000	1	Contract Breakdown Field Audit		2.0	3.0	6.0	
WWTP-MAT-138 Mach/Equip Heavy	Wastewater Treatment and Disposal	562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade	Primary Clarification	Gates & Valves	General Gates and Valves	2015 60		60	62 62	-2 Oct - 2	2013	Ainley - SDG	\$ 1,300,000 \$ 132,000	1	Contract Breakdown		2.0	3.0	6.0	
WWTP-MAT-139 Mach/Equip Heavy WWTP-MAT-140 Mach/Equip Heavy	Wastewater Treatment and Disposal	562705005457300 562705005457300	Mattagami Wastewater Treatment Plant - Main Plant Mattagami Wastewater Treatment Plant - Main Plant	Primary Clarification Primary Clarification	Pipes and Valves Pipes and Valves	Raw Sludge Pump No. 1 Rotork Valve Raw Sludge Pump No. 2 Rotork Valve	1972 60 1978 60		20 20	0 19 0 25	41 Oct - 2 35 Oct - 2		Ainley - SDG Ainley - SDG	<u>\$</u> - \$-	4	Field Audit Field Audit		2.0	3.0	6.0 6.0	Replaced by 2015 Capital Proj. Replaced by 2015 Capital Proj.
WWTP-MAT-141 Mach/Equip Heavy WWTP-MAT-142 Mach/Equip Heavy	Wastewater Treatment and Disposal		Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade	Primary Clarification Primary Clarification	Piping & Valves Piping & Valves	General Piping and Valves Piping and Valves (Existing)	2015 60 1972 60) 6	60	62 62 10 10	-2 Oct - 2 41 Oct - 2	2013	Ainley - SDG Ainley - SDG	\$ 264,000 \$ 200,000	1	Contract Breakdown Field Audit		2.0	3.0	6.0	
WWTP-MAT-143 Mach/Equip Heavy	Wastewater Treatment and Disposal	562705005457300	Mattagami Wastewater Treatment Plant - Main Plant	Primary Clarification	Process Equipment	Longitudinal Sludge Collector - Chain & Flight 1	1999 15	2	20	6 1	14 Oct - 2	2013	Ainley - SDG	\$ 200,000 \$ 150,000	4	Field Audit		3.0	2.0	6.0	Should be replaced in next 2 years.
WWTP-MAT-144 Mach/Equip Heavy WWTP-MAT-145 Mach/Equip Heavy			Mattagami Wastewater Treatment Plant - Main Plant Mattagami Wastewater Treatment Plant - Main Plant	Primary Clarification Primary Clarification	Process Equipment Process Equipment	Longitudinal Sludge Collector - Chain & Flight 2 Longitudinal Sludge Collector - Drive 1	2010 15 1972 15	2 5 2	20 20	17 12 0 0	3 Oct - 2 41 Oct - 2		Ainley - SDG Ainley - SDG	\$ 150,000 \$ 50,000	1 4	Field Audit Field Audit		3.0 3.0	2.0 3.0	6.0 9.0	
WWTP-MAT-146 Mach/Equip Heavy	Wastewater Treatment and Disposal	562705005457300	Mattagami Wastewater Treatment Plant - Main Plant Mattagami Wastewater Treatment Plant - Main Plant	Primary Clarification	Process Equipment	Longitudinal Sludge Collector - Drive 2 Sludge Cross Collector - Chain & Flight 1	1978 15 2013 15		20	0 0	35 Oct - 2	2013	Ainley - SDG	\$ 50,000 \$ 40,000	4	Field Audit		3.0	2.0	6.0	
WWTP-MAT-148 Mach/Equip Heavy	Wastewater Treatment and Disposal	562705005457300	Mattagami Wastewater Treatment Plant - Main Plant	Primary Clarification Primary Clarification	Process Equipment Process Equipment	Sludge Cross Collector - Chain & Flight 2	2013 15 2013 15	2 2	20 20	20 15 20 15	0 Oct - 2 0 Oct - 2		Ainley - SDG Ainley - SDG	 	1	Field Audit Field Audit		3.0	2.0	6.0	
WWTP-MAT-149 Mach/Equip Heavy WWTP-MAT-150 Mach/Equip Heavy			Mattagami Wastewater Treatment Plant - Main Plant Mattagami Wastewater Treatment Plant - Main Plant	Primary Clarification Primary Clarification	Process Equipment Process Equipment	Sludge Cross Collector - Drive 1 Sludge Cross Collector - Drive 2	1972 15 1978 15		20 20	0 0	41 Oct - 2 35 Oct - 2	2013	Ainley - SDG Ainley - SDG	\$ 50,000 \$ 50,000	4	Field Audit Field Audit		3.0	2.0	6.0 6.0	
WWTP-MAT-151 Mach/Equip Heavy	Wastewater Treatment and Disposal	562705005457300	Mattagami Wastewater Treatment Plant - Main Plant	Primary Clarification	Pumps	Raw Sludge Pump 1	1972 40	2	20		41 Oct - 2	2013	Ainley - SDG	\$ -	4	Field Audit		3.0	3.0	9.0	Replaced by 2015 Capital Proj.
WWTP-MAT-152 Mach/Equip Heavy		562705005457300	Mattagami Wastewater Treatment Plant - Main Plant	Primary Clarification	Pumps	Raw Sludge Pump 2	1978 40) 2	20	0 5	35 Oct - 2	2013	Ainley - SDG	<u>\$</u> -	4	Field Audit		3.0	3.0	9.0	Replaced by 2015 Capital Proj.
WWTP-MAT-153 Mach/Equip Heavy WWTP-MAT-154 Buildings Struct		562705005457300 562705005457301	Mattagami Wastewater Treatment Plant - Main Plant Mattagami Wastewater Treatment Plant - Main Plant	Primary Clarification Primary Clarification	Pumps Structure	Scum Pump Primary Clarification Tank 1	1972 40 1972 80		40 80	0 0	41 Oct - 2 41 Oct - 2		Ainley - SDG Ainley - SDG	\$- \$1500,000	4	Field Audit Field Audit		3.0	3.0	9.0	Replaced by 2015 Capital Proj.
WWTP-MAT-155 Buildings Struct	ure Wastewater Treatment and Disposal	562705005457302	Mattagami Wastewater Treatment Plant - Main Plant		Structure	Primary Clarification Tank 2	1978 80) 8	80	45 45	35 Oct - 2	2013	Ainley - SDG	\$ 1,500,000 \$ 1,500,000	2	Field Audit		1.0	3.0	3.0	
WWTP-MAT-156 Mach/Equip Heavy WWTP-MAT-157 Mach/Equip Heavy	Wastewater Treatment and Disposal	562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade	Pumps Pumps	Pumps Pumps	Various Centrifugal Pumps Various Progressive Cavity Pumps	2015 60 2015 40) 6	60 40	62 62 42 42	-2 Oct - 2 -2 Oct - 2		Ainley - SDG Ainley - SDG	\$ 201,960 \$ 137,280	1	Contract Breakdown Contract Breakdown		2.0 3.0	3.0	6.0 0.0	
WWTP-MAT-158 Mach/Equip Heavy WWTP-MAT-159 Mach/Equip Heavy	Wastewater Treatment and Disposal	562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Mattagami Wastewater Treatment Plant - Main Plant	Raw Sewage Pumping Raw Sewage Pumping		General Electrical General Electrical (Existing)	2015 50 1972 60) 5	50 60	52 52 10 10	-2 Oct - 2		Ainley - SDG Ainley - SDG	\$ 330,000 \$ 500,000	1	Contract Breakdown Field Audit		2.0	4.0	8.0	
WWTP-MAT-160 Mach/Equip Heavy	Wastewater Treatment and Disposal		Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade	Raw Sewage Pumping		General Gates and Valves	2015 60		60	62 62	41 Oct - 2 -2 Oct - 2	2013	Ainley - SDG	\$ 300,000 \$ 198,000	3 1	Contract Breakdown		2.0	3.0	6.0	
WWTP-MAT-161 Mach/Equip Heavy WWTP-MAT-162 Mach/Equip Heavy	Wastewater Treatment and Disposal		Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade	Raw Sewage Pumping Raw Sewage Pumping	· · ·	Forcemains General Piping and Valves	2015 80 2015 60) 8	80 60	82 82 62 62	-2 Oct - 2 -2 Oct - 2		Ainley - SDG Ainley - SDG	\$ 990,000 \$ 396,000	1	Contract Breakdown Contract Breakdown		2.0	3.0 3.0	6.0 6.0	
WWTP-MAT-163 Mach/Equip Heavy			Mattagami Wastewater Treatment Plant - Main Plant Mattagami Wastewater Treatment Plant - Main Plant	Raw Sewage Pumping Raw Sewage Pumping		Raw Sewage Pump 1 Raw Sewage Pump 2	1972 20 1972 20) 2	20	0 0	41 Oct - 2 41 Oct - 2		Ainley - SDG Ainley - SDG	\$ - ¢	3	Field Audit Field Audit		3.0	2.0	6.0	Replaced by 2015 Capital Proj. Replaced by 2015 Capital Proj.
WWTP-MAT-165 Mach/Equip Heavy	Wastewater Treatment and Disposal	562705005457300	Mattagami Wastewater Treatment Plant - Main Plant	Raw Sewage Pumping	Pumps	Raw Sewage Pump 3	1972 20	2	20	0 0	41 Oct - 2	2013	Ainley - SDG	\$ - \$ -	3	Field Audit		3.0	2.0	6.0	Replaced by 2015 Capital Proj.
WWTP-MAT-166 Mach/Equip Heavy WWTP-MAT-167 Mach/Equip Heavy			Mattagami Wastewater Treatment Plant - Main Plant Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade	Raw Sewage Pumping Raw Sewage Pumping	•	Raw Sewage Pump 4 Submersable Pumps	1978 20 2015 30) 2	20 30	0 0 32 32	35 Oct - 2 -2 Oct - 2		Ainley - SDG Ainley - SDG	\$ <u>-</u> \$858,000	3	Field Audit Contract Breakdown		3.0 3.0	2.0	6.0 9.0	Replaced by 2015 Capital Proj.
WWTP-MAT-168 Mach/Equip Heavy WWTP-MAT-169 Buildings Struct		562705005457300 562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade	Raw Sewage Pumping Raw Sewage Pumping		Manholes and Catch Basins Old Raw Sewage Pumping Building	2015 80 1972 80		80	82 82	-2 Oct - 2 41 Oct - 2		Ainley - SDG Ainley - SDG	\$ 462,000 \$ 600,000	1	Contract Breakdown Field Audit		2.0	3.0	6.0	
WWTP-MAT-170 Buildings Struct	ure Wastewater Treatment and Disposal	562705005457301	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade	Raw Sewage Pumping	Structure	Old Raw Sewage Pumping Building - Intake Chamber	1972 80		80	39 39 39	41 Oct - 2	2013	Ainley - SDG	\$ 1,000,000	2	Field Audit		1.0	3.0	3.0	
WWTP-MAT-171 Buildings Struct WWTP-MAT-172 Mach/Equip Heavy		562705005457300 562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade		Structure Electrical	Raw Sewage Pumping Building General Electrical	2015 80 2015 50) 8	80 50	82 82 52 52	-2 Oct - 2 -2 Oct - 2		Ainley - SDG Ainley - SDG	\$ 2,250,600 \$ 198,000	1	Contract Breakdown Contract Breakdown		1.0	4.0	4.0	
WWTP-MAT-173 Mach/Equip Heavy WWTP-MAT-174 Mach/Equip Heavy		562705005457300 562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade		Gates & Valves Piping & Valves	General Gates and Valves General Piping and Valves	2015 60 2015 60		60 60	62 62 62 62	-2 Oct - 2 -2 Oct - 2		Ainley - SDG Ainley - SDG	\$ 132,000 \$ 264,000	1	Contract Breakdown Contract Breakdown		2.0	2.0	4.0 2.0	
WWTP-MAT-175 Mach/Equip Heavy	Wastewater Treatment and Disposal	562705005457300	Mattagami Wastewater Treatment Plant - Main Plant	Raw Sewage Screens	Process Equipment	Mechanical Bar Screen 1	1972 50	2	20	0 9	41 Oct - 2	2013	Ainley - SDG	\$ <u>204,000</u> \$ -	4	Field Audit		2.0	2.0	4.0	Replaced by 2015 Capital Proj.
WWTP-MAT-176 Mach/Equip Heavy WWTP-MAT-177 Mach/Equip Heavy	Wastewater Treatment and Disposal Wastewater Treatment and Disposal		Mattagami Wastewater Treatment Plant - Main Plant Mattagami Wastewater Treatment Plant - Main Plant	Raw Sewage Screens Raw Sewage Screens	Process Equipment Process Equipment	Mechanical Bar Screen 2 Screen Room Crane	1978 50 1978 60) 2	20 20	0 15 0 25	35 Oct - 2 35 Oct - 2		Ainley - SDG Ainley - SDG	\$ - \$ 20,000	3	Field Audit Field Audit		2.0	2.0	4.0	Replaced by 2015 Capital Proj.
WWTP-MAT-178 Mach/Equip Heavy WWTP-MAT-179 Mach/Equip Heavy			Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade	Raw Sewage Screens Raw Sewage Screens		Screens Wheeled Storage Bins	2015 50 2015 20) 5	50 20	52 52 22 22	-2 Oct - 2 -2 Oct - 2		Ainley - SDG Ainley - SDG	\$ 477,332 \$ 54,120	1	Contract Breakdown Contract Breakdown		2.0	3.0	6.0	
WWTP-MAT-180 Mach/Equip Heavy	Wastewater Treatment and Disposal	562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade	Secondary Clarification	Electrical	General Electrical	2015 50) 5	50	52 52	-2 Oct - 2	2013	Ainley - SDG	\$ 1,452,000	1	Contract Breakdown		2.0	3.0	6.0	
WWTP-MAT-181 Mach/Equip Heavy WWTP-MAT-182 Mach/Equip Heavy			Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade	Secondary Clarification Secondary Clarification		General Gates and Valves General Piping and Valves	2015 60 2015 60) 6	60 60	62 62 62 62	-2 Oct - 2 -2 Oct - 2		Ainley - SDG Ainley - SDG	\$ 1,056,000 \$ 1,848,000	1	Contract Breakdown Contract Breakdown		2.0	3.0	6.0 6.0	
WWTP-MAT-183 Mach/Equip Heavy WWTP-MAT-184 Buildings Struct			Mattagami Wastewater Treatment Plant - Secondary Treatment Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade	Secondary Clarification	Process Equipment	Chain and Flights Secondary Clarification Tanks	2015 15 2015 80		15 80	17 17 82 82	-2 Oct - 2	2013	Ainley - SDG Ainley - SDG	\$ 692,004 \$ 6,751,800	1	Contract Breakdown Contract Breakdown		3.0	3.0	9.0	
WWTP-MAT-189 Mach/Equip Heavy	Wastewater Treatment and Disposal	562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade	Sludge Dewatwering	Electrical	General Electrical	2015 50	5	50	52 52 62 62	-2 Oct - 2 -2 Oct - 2	2013	Ainley - SDG	\$ 330,000	1	Contract Breakdown		2.0	2.0	4.0	
WWTP-MAT-190 Mach/Equip Heavy WWTP-MAT-191 Mach/Equip Heavy	Wastewater Treatment and Disposal	562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade	Sludge Dewatwering	Gates & Valves Piping & Valves	General Gates and Valves General Piping and Valves	2015 60 2015 60	6	60 60	62 62 62 62	-2 Oct - 2 -2 Oct - 2	2013	Ainley - SDG Ainley - SDG	\$ 198,000 \$ 396,000	1	Contract Breakdown Contract Breakdown		2.0	2.0	4.0	
WWTP-MAT-192 Mach/Equip Heavy WWTP-MAT-193 Buildings Struct		562705005457300 562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade	Sludge Dewatwering Sludge Dewatwering	Process Equipment Structure	Rotary Press Sludge Dewatering Building	2015 40 2015 80	4 8	40 80	42 42 82 82	-2 Oct - 2 -2 Oct - 2		Ainley - SDG Ainley - SDG	\$ 936,956 \$ 1,122,000	1	Contract Breakdown Contract Breakdown		2.0	2.0	4.0	
WWTP-MAT-194 Mach/Equip Heavy	Wastewater Treatment and Disposal	562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade	Sludge Disposal	Electrical	General Electrical	2015 50	5	50	52 52 62 00	-2 Oct - 2	2013	Ainley - SDG	\$ 1,122,000 \$ 66,000 \$ 66,000	1	Contract Breakdown		2.0	2.0	4.0	
WWTP-MAT-195 Mach/Equip Heavy WWTP-MAT-196 Mach/Equip Heavy	Wastewater Treatment and Disposal	562705005457300 562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade	Sludge Disposal Sludge Disposal	Piping & Valves Process Equipment	General Piping and Valves Biosolids Conveyor	2015 60 2015 40	6	60 40	b∠ 62 42 42	-2 Oct - 2 -2 Oct - 2	2013	Ainley - SDG Ainley - SDG	\$ 66,000 \$ 269,280	1	Contract Breakdown Contract Breakdown		2.0	2.0	4.0 6.0	
WWTP-MAT-197 Mach/Equip Heavy WWTP-MAT-198 Mach/Equip Heavy	Wastewater Treatment and Disposal Wastewater Treatment and Disposal	562705005457300 562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade	Sludge Thickening Sludge Thickening	Electrical Gates & Valves	General Electrical General Gates and Valves	2015 50 2015 60	5	50 60	52 52 62 62	-2 Oct - 2 -2 Oct - 2		Ainley - SDG Ainley - SDG	\$ 330,000 \$ 198,000	1	Contract Breakdown Contract Breakdown		2.0	2.0	4.0	
WWTP-MAT-199 Mach/Equip Heavy	 Wastewater Treatment and Disposal 	562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade	Sludge Thickening	Piping & Valves	General Piping and Valves	2015 60	6	60	62 62 62 62	-2 Oct - 2	2013	Ainley - SDG	\$ 396,000	1	Contract Breakdown		2.0	2.0	4.0	
WWTP-MAT-200 Mach/Equip Heavy WWTP-MAT-201 Buildings Struct	ure Wastewater Treatment and Disposal	562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade	Sludge Thickening Sludge Thickening	Process Equipment Structure	Rotating Drum Thickener Sludge Thickening Building	2015 40 2015 80	4	40 80	4∠ 42 82 82	-2 Oct - 2 -2 Oct - 2	2013	Ainley - SDGAinley - SDG	\$ 518,597 \$ 1,122,000	1	Contract Breakdown Contract Breakdown		2.0	2.0 4.0	4.0	
WWTP-MAT-202 Mach/Equip Heavy WWTP-MAT-203 Mach/Equip Heavy				Sodium Bisulphite Sodium Bisulphite	Control/SCADA Electrical	Instrumentation and Control System Motor Control Centre	2010 20 2010 20	2	20	17 17 17 17	3 Oct - 2 3 Oct - 2	2013	Ainley - SDG Ainley - SDG	\$ 24,000 \$ 20,000	1	Field Audit Field Audit		3.0 3.0	2.0	6.0 6.0	
WWTP-MAT-204 Mach/Equip Heavy	Wastewater Treatment and Disposal	562705005457300	Mattagami Wastewater Treatment Plant - Declorination Building	Sodium Bisulphite	HVAC	Air Handling Unit	2010 20	2	20	17 17	3 Oct - 2	2013	Ainley - SDG	\$ 64,000	1	Field Audit		2.0	2.0	4.0	
WWTP-MAT-205 Mach/Equip Heavy WWTP-MAT-206 Mach/Equip Heavy	Wastewater Treatment and Disposal	562705005457300	Mattagami Wastewater Treatment Plant - Declorination Building Mattagami Wastewater Treatment Plant - Declorination Building	Sodium Bisulphite Sodium Bisulphite	Pipes and Valves Process Equipment	Process Piping Chemical Storage	2010 200 2010 200	2	20 20	<u>17</u> <u>17</u> <u>17</u> <u>17</u>	3 Oct - 2 3 Oct - 2		Ainley - SDGAinley - SDG	> 26,000 \$ 40,000	1	Field Audit Field Audit		2.0	2.0	4.0	
WWTP-MAT-207 Mach/Equip Heavy WWTP-MAT-208 Mach/Equip Heavy			Mattagami Wastewater Treatment Plant - Declorination Building Mattagami Wastewater Treatment Plant - Declorination Building	Sodium Bisulphite Sodium Bisulphite	Pumps Pumps	Chemical Pump 1 Chemical Pump 2	2010 20 2010 20	2	20	17 17 17 17	3 Oct - 2 3 Oct - 2	2013	Ainley - SDG Ainley - SDG	\$ 22,000 \$ 22,000	1	Field Audit Field Audit		3.0	2.0	6.0	
WWTP-MAT-209 Buildings Struct	ure Wastewater Treatment and Disposal	562705005457300	Mattagami Wastewater Treatment Plant - Declorination Building	Sodium Bisulphite	Structure	Declorination Building	2010 80	2	20	17 77	3 Oct - 2	2013	Ainley - SDG	\$ 22,000 \$ 890,000	1	Field Audit		1.0	4.0	4.0	
WWTP-MAT-210 Mach/Equip Heavy WWTP-MAT-211 Mach/Equip Heavy	Wastewater Treatment and Disposal Wastewater Treatment and Disposal	562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade	Transfer Pumping Transfer Pumping	Electrical Gates & Valves	General Electrical General Gates and Valves	2015 50 2015 60	5	60	52 52 62 62	-2 Oct - 2 -2 Oct - 2	2013	Ainley - SDG Ainley - SDG	\$ 330,000 \$ 198,000	1	Contract Breakdown Contract Breakdown		2.0 2.0	3.0 3.0	6.0 6.0	
WWTP-MAT-212 Mach/Equip Heavy WWTP-MAT-213 Mach/Equip Heavy	Wastewater Treatment and Disposal	562705005457300	Mattagami Wastewater Treatment Plant - Secondary Treatment Upgrade Mattagami Wastewater Treatment Plant - Main Plant	Transfer Pumping	Piping & Valves Pipes and Valves	General Piping and Valves By Pass Valve Drive	2015 60	6	60	62 62 0 0	-2 Oct - 2 41 Oct - 2	2013	Ainley - SDG Ainley - SDG	\$ 396,000 \$	1	Contract Breakdown Field Audit		2.0	3.0	6.0 6.0	Replaced by 2015 Capital Proj.
WWTP-MAT-214 Mach/Equip Heavy	Wastewater Treatment and Disposal	562705005457300	Mattagami Wastewater Treatment Plant - Main Plant		Process Equipment	Air Blower 1	1972 40 1978 40		20	0 5	35 Oct - 2	2013	Ainley - SDG	\$ - \$ -	4 3	Field Audit		3.0	2.0	6.0	Replaced by 2015 Capital Proj.
WWTP-MAT-215 Mach/Equip Heavy WWTP-MAT-216 Mach/Equip Heavy	Wastewater Treatment and Disposal	562705005457300			Process Equipment Process Equipment	Air Blower 2 Air Blower 3	1978 40 1978 40	2	20 20	0 5 0 5	35 Oct - 2 35 Oct - 2		Ainley - SDG Ainley - SDG	\$- \$-	3	Field Audit Field Audit		3.0 3.0	2.0 2.0	6.0 6.0	Replaced by 2015 Capital Proj. Replaced by 2015 Capital Proj.
WWTP-MAT-217 Mach/Equip Heavy	Wastewater Treatment and Disposal		Mattagami Wastewater Treatment Plant - Main Plant		Process Equipment	Air Blower 4	2004 20	2	20	11 11	9 Oct - 2	2013	Ainley - SDG	\$-	2	Field Audit		3.0	2.0	6.0	Replaced by 2015 Capital Proj.