

Northside Generating Station - Fire Protection Systems (ITM by Contractor)

Item #	Fire Alarm System Descriptions	Panel Type	Model #	Conventional Circuits	Pulls	Smokes	Ducts	Heats	Water Flow	Horn Strobes	Strobes	Bells	Tamper	Low Air	Solenoids	Pressure	Other	Inspection Frequency				
																		A	SA	-	-	-
1.1	2nd Floor PBX Room (FE-227)	Siemens	MXL-IQ	3	2	8	0	0	0	1	2	1	0	1	0	0	2	A	SA	-	-	-
1.2	3rd Floor Black Box Room (Halon 1301)	Fike	SHP Pro	3	4	9	0	0	0	3	4	3	0	0	0	0	6	A	SA	-	-	-
1.3	3rd Floor New Black Box Room (FE-227)	Siemens	FS-250	5	2	8	0	0	0	3	2	0	0	1	0	0	2	A	SA	-	-	-
1.4	Unit 3 Control Room (Halon 1301)	Kidde	Aegis	4	3	6	0	0	0	1	2	1	0	0	1	0	1	A	SA	-	-	-
1.5	Boiler Island Electrical Bldg.	Cerberus	MXL	13	0	27	0	0	2	2	2	1	3	0	2	0	5	A	SA	-	-	-
1.6	Limestone Crusher Building	Cerberus	MXL	10	0	2	0	10	3	1	1	1	4	3	0	0	0	A	SA	-	-	-
1.7	Deluge House #5	Cerberus	System 3	18	0	0	0	1	0	1	0	0	5	5	0	5	0	A	SA	-	-	-
1.8	Fitness Center	Siemens	MXL-IQ	2	2	6	1	2	0	3	3	0	0	0	0	0	0	A	SA	-	-	-
1.9	Maintenance Building	Cerberus	MXL-IQ	12	8	1	0	0	3	8	0	0	1	0	0	0	0	A	SA	-	-	-
1.10	Material Handling Building Control Rm	Cerberus	MXL	0	0	4	0	0	0	1	1	1	0	0	0	0	0	A	SA	-	-	-
1.11	2nd Floor Mezzanine - Power Block	Cerberus	MXL	6	0	61	0	3	2	19	2	0	2	1	0	0	1	A	SA	-	-	-
1.12	MUCH House/Black Start	Cerberus	MXL	16	5	5	0	8	1	6	1	0	1	1	0	0	0	A	SA	-	-	-
1.13	Plant Transfer Electrical	Cerberus	MXL	26	0	6	0	24	8	0	3	1	10	6	0	0	3	A	SA	-	-	-
1.14	Boiler Island Bldg.	Protectowire	Fire System 2000	2	0	0	0	0	0	0	0	0	0	0	0	0	2	A	SA	-	-	-
1.15	Transfer Bldg #3	Protectowire	Fire System 2000	4	0	0	0	0	0	0	0	0	0	0	0	0	4	A	SA	-	-	-
1.16	Transfer Bldg #5	Protectowire	Fire System 2000	3	0	0	0	0	0	0	0	0	0	0	0	0	5	A	SA	-	-	-
1.17	Transfer Bldg #6	Protectowire	Fire System 2000	5	0	0	0	0	0	0	0	0	0	0	0	0	5	A	SA	-	-	-
1.18	Transfer Bldg #3	Cerberus	MXL	6	0	1	0	0	0	0	1	1	0	0	0	0	5	A	SA	-	-	-
1.19	Transfer Bldg #5	Cerberus	MXL	5	0	1	0	0	0	0	1	1	0	0	0	0	6	A	SA	-	-	-
1.20	Transfer Bldg #6	Cerberus	MXL	10	0	2	0	0	3	0	1	1	4	3	0	0	2	A	SA	-	-	-
1.21	Unit 1 & 2 Control Room	Cerberus	MXL	43	2	31	0	0	15	0	1	1	0	0	0	0	17	A	SA	-	-	-
1.22	Unit 3 Deluge House	Cerberus	System 3	10	0	0	0	0	0	1	0	0	4	4	0	4	0	A	SA	-	-	-
1.23	Coal Unloader-Lwr Cntl Room (FE-227)	Kidde	Aegis	3	1	2	0	0	0	1	2	0	0	0	0	0	0	A	SA	-	-	-
1.24	Coal Unloader-Upr Cntl Room (FE-227)	Fenwal	2200	3	1	2	0	0	0	1	2	0	0	0	0	0	0	A	SA	-	-	-
1.25	Combustion Turbines 3 & 4 (CO2)	Auto Pulse	IQ-396X															A	SA	-	-	-
1.26	Combustion Turbines 5 & 6 (CO2)	Auto Pulse	IQ-396X															A	SA	-	-	-
1.27	Glasshouse Building	Siemens	MXL-IQ	4	4	11	5	14	0	7	2	0	0	0	0	0	0	A	SA	-	-	-
1.28	NS 3 Exciter Doghouse (CO2)	Siemens	Pad-3	1	3	0	0	2	0	3	0	0	0	0	0	0	0	A	SA	-	-	-

Item #	Fire Sprinkler System Descriptions	System Type	Pre-Action	Control Valve Make & Model	Valve Size															Inspection Frequency				
																				A	-	Q	-	5Y
2.1	Belt Conveyor BC-8	Special	Yes	Victaulic S758	3"														A	-	Q	-	5Y	
2.2	Belt Conveyor BC-9	Special	Yes	Victaulic S758	3"														A	-	Q	-	5Y	
2.3	Belt Conveyor BC-10 & BC-11	Special	Yes	Victaulic S758	3"														A	-	Q	-	5Y	
2.4	Belt Conveyor BC-12 & BC-13	Special	Yes	Victaulic S758	3"														A	-	Q	-	5Y	
2.5	Belt Conveyor BC-14 & BC-15	Special	Yes	Reliable DDX	3"														A	-	Q	-	5Y	
2.6	Unit 1 & 2 Control Room	Wet	No	Victaulic S751	3"														A	-	Q	-	5Y	
2.7	Tripper Floor	Dry	No	Viking S756	6"														A	-	Q	-	5Y	
2.8	Tripper Deck Dust Collector	Special	Yes	Firelock NXT S769	2"														A	-	Q	-	5Y	
2.9	Transformer TG3SU	Dry	No	Viking	4"														A	-	Q	-	5Y	
2.10	Transformer TG3SS	Dry	No	Viking	4"														A	-	Q	-	5Y	
2.11	Transformer TG3B	Dry	No	Viking	6"														A	-	Q	-	5Y	
2.12	Transformer TG3A	Dry	No	Viking	6"														A	-	Q	-	5Y	
2.13	Transformer TG2 & TG12SS	Dry	No	Viking E-1	6"														A	-	Q	-	5Y	
2.14	Transformer TG1B	Dry	No	Viking E-1	6"														A	-	Q	-	5Y	
2.15	Transformer TG1A	Dry	No	Viking E-1	6"														A	-	Q	-	5Y	
2.16	Transformer TG31SU	Dry	No	Viking E-1	4"														A	-	Q	-	5Y	
2.17	Transformer T11SS	Dry	No	Viking E-1	4"														A	-	Q	-	5Y	
2.18	Transfer Bldg. #6	Dry	No	Victaulic S756	4"														A	-	Q	-	5Y	
2.19	Transformer T-42 North	Special	Yes	Victaulic S758	3"														A	-	Q	-	5Y	
2.20	Transformer T-41 South	Special	Yes	Victaulic S758	3"														A	-	Q	-	5Y	
2.21	Tool Room/Maintenance Office	Wet	No	Firematic L	6"														A	-	Q	-	5Y	
2.22	Tool Room/Warehouse #29	Wet	No	Rasco Alarm	4"														A	-	Q	-	5Y	
2.23	Results Lab/Breakroom	Wet	No	Viking E-1	2.5"														A	-	Q	-	5Y	

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2.24	Plant Transformer Bldg.	Dry	No	Victaulic S756		6"													A	-	Q	-	5Y	
2.25	Plant Transformer Bldg. - Dust Collector	Special	Yes	Reliable DDX		2"														A	-	Q	-	5Y
2.26	Paint Shop	Dry	No	Model AF		2.5"														A	-	Q	-	5Y
2.27	NS 3 Turbine Generator Floor 1&2	Wet	No	Reliable Mod E		6"														A	-	Q	-	5Y
2.28	NS 3 Turbine Bearing	Special	Yes	Victaulic S758		3"														A	-	Q	-	5Y
2.29	NS 3 A&B Boiler Feed Pump Bearing	Special	Yes	Victaulic S758		3"														A	-	Q	-	5Y
2.30	NS 2 Turbine Generator 2nd Floor	Wet	No	Victaulic S751		6"														A	-	Q	-	5Y
2.31	NS 2 Turbine Generator 1st Floor	Wet	No	Victaulic S751		6"														A	-	Q	-	5Y
2.32	NS 2 Turbine Bearings	Special	Yes	Victaulic S758		3"														A	-	Q	-	5Y
2.33	NS 2 Turbine Generator Seal Oil Skid	Wet	No	Shot Gun Riser		2.5"														A	-	Q	-	5Y
2.34	NS 2 CFB Boiler Hose Cabinets	Wet	No	Shot Gun Riser		6"														A	-	Q	-	5Y
2.35	NS 2 A&B Boiler Feed Pump Bearings	Special	Yes	Victaulic S758		2.5"														A	-	Q	-	5Y
2.36	NS 1 Turbine Generator Seal Oil Skid	Wet	No	Shot Gun Riser		2.5"														A	-	Q	-	5Y
2.37	NS 1 Turbine Bearings	Special	Yes	Victaulic S758		2.5"														A	-	Q	-	5Y
2.38	NS 1 CFB Boiler Hose Cabinets	Wet	No	Shot Gun Riser		6"														A	-	Q	-	5Y
2.39	NS 1 A&B Boiler Feed Pump Bearings	Special	Yes	Victaulic S758		2.5"														A	-	Q	-	5Y
2.40	Maintenance Building	Wet	No	Shot Gun Riser		4"														A	-	Q	-	5Y
2.41	I&C Shop/Breakroom/Planning	Special	Yes	Viking F-1		2"														A	-	Q	-	5Y
2.42	Fuel Oil Service Pump Room	Special	Yes	Reliable Mod B		4"														A	-	Q	-	5Y
2.43	Fuel Oil Heaters	Special	Yes	Reliable Mod BX		6"														A	-	Q	-	5Y
2.44	Engineering Services Building	Wet	No	Shot Gun Riser		4"														A	-	Q	-	5Y
2.45	Electric Shop	Wet	No	Viking F-1		3"														A	-	Q	-	5Y
2.46	Dwg Storage/Conf. Rm/NS Planning	Special	Yes	Viking F-1		2.5"														A	-	Q	-	5Y
2.47	CT & Black Start Bldg.	Dry	No	Firelock S768		3"														A	-	Q	-	5Y
2.48	Crusher Building & Dust Collector	Special	Yes	Victaulic S758		2"														A	-	Q	-	5Y
2.49	Crusher Building	Dry	No	Victaulic S758		6"														A	-	Q	-	5Y
2.50	Burner Front/CD Pump	Special	Yes	Reliable Mod B		6"														A	-	Q	-	5Y

Item #	Clean Agent System Descriptions	System Type	Manufacturer	Tank Size																Inspection Frequency				
3.1	Combustion Turbines 3 & 4	CO2	Ansul	6 tons																A	SA	-	-	-
3.2	Combustion Turbines 3 & 4	CO2	Ansul	2.75 tons																A	SA	-	-	-
3.3	Combustion Turbines 5 & 6	CO2	Ansul	6 tons																A	SA	-	-	-
3.4	Combustion Turbines 5 & 6	CO2	Ansul	2.75 tons																A	SA	-	-	-
3.5	NS 3 Exciter Doghouse	CO2	Chemetron	(2) 276 lb cylinders																A	SA	-	-	5Y
3.6	2nd Floor PBX Room (FE-227)	FE-227	AA-364113	379 LBS																A	SA	-	-	5Y
3.7	3rd Floor Black Box Room (Halon)	Halon 1301	1000-193	1650 LBS																A	SA	-	-	5Y
3.8	3rd Floor Black Box Room (Halon)	Halon 1301	1000-194	1650 LBS																A	SA	-	-	5Y
3.9	3rd Floor NEW Black Box Room (FE-227)	FE-227	AA-340122	545 LBS																A	SA	-	-	5Y
3.10	4th Floor Unit 3 Control Room (Halon)	Halon 1301	AA-004768	271 LBS																A	SA	-	-	5Y
3.11	Coal Unloader-Lwr Cntl Room (FE-227)	FE-227	Kidde	250 LBS																A	SA	-	-	5Y
3.12	Coal Unloader-Upr Cntl Room (FE-227)	FE-227	Fenwal	250 LBS																A	SA	-	-	5Y

Item #	Foam System Descriptions	System Type	Manufacturer	Tank Size	Location	Column Line														Inspection Frequency				
4.1	NS 1 & 2 Turbine Under Floor	Foam-Water	Ansul	1800 Gal	Ground Flr - Turbine Bldg	D8														A	-	-	-	-
4.2	NS 3 Turbine Under Floor	Foam-Water	Ansul	1300 Gal	Ground Flr - Turbine Bldg	D18														A	-	-	-	-
4.3	NS 3 Fuel Oil Service Pump Room	Foam-Water	Arrow	300 Gal	Ground Flr - Turbine Bldg	H19														A	-	-	-	-
4.4	NS 3 Burner Front & Fuel Oil CD Pump	Foam-Water	Arrow	500 Gal	Mezzanine Flr - Turbine Bldg	H21														A	-	-	-	-
4.5	NS 3 Fuel Oil Heaters	Foam-Water	Arrow	500 Gal	Mezzanine Flr - Turbine Bldg	H21														A	-	-	-	-

Item #	Fire Pump Descriptions	Location	Pump Make	Model	Type	Rated Head PSI	Rated GPM	Prime Mover	HP	Controller										Inspection Frequency				
5.1	Diesel Fire Pump	Fire Pump Bldg.	Patterson	481-FPH	Horizontal	135	2,500	Caterpillar	370	Firetrol										A	-	-	-	-

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5.2	Jockey Pump	Fire Pump Bldg.	Goulds	10SV7FH4F20	Vertical	120	55	Baldor	7.5	Firetrol								A	-	-	-	-
5.3	Electric Fire Pump	Fire Pump Bldg.	Paco		Horizontal		2,000	Reliance	200	N/A								A	-	-	-	-
5.4	Diesel Fire Booster Pump	west of Turbine Bldg	Aurora	8-491-14A	Horizontal	60	2,500	Caterpillar	141	Firetrol								A	-	-	-	-
5.5	Jockey Pump	west of Turbine Bldg	Aurora	7-1574880 Type 3	Vertical	60	25	Marathon	1.5	Firetrol								A	-	-	-	-

Item #	Misc. Fire System Descriptions	Quantity																Inspection Frequency				
6.1	Back Flow Preventers	0																A	-	-	-	5Y
6.2	Fire Hose Cabinets/Hoses	88																A	-	-	-	5Y
6.3	Fire Hydrants	40																A	-	-	-	-
6.4	Post Indicator Valves (PIV's)	28																A	-	-	-	5Y
6.5	Underground Fire Main Loop	1																-	-	-	3Y	-

Brandy Branch Generating Station - Fire Protection Systems (ITM by Contractor)

Item #	Fire Alarm System Descriptions	Panel Type	Model #	Conventional Circuits	Pulls	Smokes	Ducts	Heats	Water Flow	Horn Strobes	Strobe Only	Tamper	Low Air	Bells	Solenoids	High Air	Plant Alarms	Inspection Frequency				
1.1	CEMS East Unit 2	Siemens	MXL-IQ	6	3	6	0	0	1	4	0	1	1	0	0	0	0	A	SA	-	-	-
1.2	CEMS West Unit 3	Siemens	MXL-IQ	6	3	6	0	0	1	4	0	1	1	0	0	0	0	A	SA	-	-	-
1.3	Cooling Tower	Siemens	MXL-IQ	21	2	5	0	0	5	3	1	6	8	0	0	0	0	A	SA	-	-	-
1.4	Fuel Tanks 1 & 2 - Foam House Bldg #19	Ansul	5000	12	3	0	0	8	3	0	0	5	0	1	3	0	0	A	SA	-	-	-
1.5	Lube Oil Building #4	Protectowire	2000	2	1	0	0	0	0	2	0	0	0	0	1	0	0	A	SA	-	-	-
1.6	Maintenance Shop Bldg. #23	Notifier	5000	12	4	0	0	0	2	5	0	2	2	0	0	2	0	A	SA	-	-	-
1.7	Misc. Services Building #6	Siemens	SXL-EX	5	4	4	0	0	1	4	1	1	0	0	0	0	0	A	SA	-	-	-
1.8	Shared Services Building #15	Siemens	MXL-IQ	13	10	62	0	6	1	0	0	1	1	0	1	0	0	A	SA	-	-	-
1.9	Shared Services Building Risers	Notifier	5000	27	0	0	0	0	5	0	0	4	8	1	0	4	0	A	SA	-	-	-
1.10	Shared Services Main Control Room	Notifier	5000	61	0	0	0	0	0	8	2	0	0	0	0	0	61	A	SA	-	-	-
1.11	Unit 1 Transformer Deluge Bldg. #24	Potter	PFC-6075R	5	0	1	0	0	1	0	3	1	2	1	0	1	0	A	SA	-	-	-
1.12	Unit 2 Transformer Deluge Bldg. #25	Potter	PFC-6075R	5	0	1	0	0	1	0	3	1	2	1	0	1	0	A	SA	-	-	-
1.13	Unit 3 Transformer Deluge Bldg. #26	Potter	PFC-6075R	5	0	1	0	0	1	0	3	1	2	1	0	1	0	A	SA	-	-	-
1.14	Unit 4 Control House	Siemens	MXL-IQ	6	4	12	0	2	9	5	0	11	9	0	2	0	0	A	SA	-	-	-
1.15	Demin. Water Warehouse Bldg. #16	Siemens	MXL-IQ	2	2	1	0	10	0	4	0	0	0	0	0	0	0	A	SA	-	-	-
1.16	Combustion Turbine 1 (CO2)	Auto Pulse	IQ-396X	12	4	0	0	18	0	10	0	0	0	0	8	0	0	A	SA	-	-	-
1.17	Combustion Turbine 2 (CO2)	Auto Pulse	IQ-396X	12	4	0	0	16	0	8	0	0	0	0	8	0	0	A	SA	-	-	-
1.18	Combustion Turbine 3 (CO2)	Auto Pulse	IQ-396X	12	4	0	0	16	0	8	0	0	0	0	8	0	0	A	SA	-	-	-

Item #	Fire Sprinkler System Descriptions	System Type	Pre-Action	Control Valve Make & Model	Valve Size														Inspection Frequency				
2.1	Maintenance Shop Bldg. #23	Dry	No	Viking F-1	4"														A	-	Q	-	5Y
2.2	Misc. Services Building #6	Wet	No	shot gun riser	4"														A	-	Q	-	5Y
2.3	Main Control Room - Xfmr KW7 North	Dry	No	Viking E-1	3"														A	-	Q	-	5Y
2.4	Main Control Room - Xfmr KW6 South	Dry	No	Viking E-1	3"														A	-	Q	-	5Y
2.5	Main Control Room - Xfmr KW5	Dry	No	Viking E-1	3"														A	-	Q	-	5Y
2.6	Main Control Room - Xfmr KW4	Dry	No	Viking E-1	3"														A	-	Q	-	5Y
2.7	Main Control Room Bldg. Sprinkler	Special	Yes	Viking E-1	4"														A	-	Q	-	5Y
2.8	Main Control Room Bldg. (Hose Stations)	Wet	No	Viking J-1	4"														A	-	Q	-	5Y
2.9	Foam House - Fuel Storage Tank #1	Special	Yes	Viking E-1	3"														A	-	Q	-	5Y
2.10	Foam House - Fuel Storage Tank #2	Special	Yes	Viking E-1	3"														A	-	Q	-	5Y
2.11	Foam House - Truck Loading Area Hose Station Riser	Special	Yes	Viking E-1	2"														A	-	Q	-	5Y
2.12	Diesel Pump Room - Bldg. #22	Dry	No	Viking E-1	2"														A	-	Q	-	5Y
2.13	Boiler Feedwater Pump System #1	Dry	No	Victaulic 758	2.5"														A	-	Q	-	5Y
2.14	Boiler Feedwater Pump System #2	Dry	No	Victaulic 758	2.5"														A	-	Q	-	5Y
2.15	Building 4 - Turbine Bearing North	Special	Yes	Victaulic 758	2"														A	-	Q	-	5Y
2.16	Building 4 - SUS Transformer @ PDC #1	Dry	No	Victaulic 758	2"														A	-	Q	-	5Y
2.17	Building 4 - S.U. Transformer @ PDC #2	Dry	No	Victaulic 758	2"														A	-	Q	-	5Y
2.18	Building 4 - Steam Turbine Pedestal	Dry	No	Victaulic 756	8"														A	-	Q	-	5Y
2.19	Building 4 - Lube Oil Skid	Special	Yes	Victaulic 758	4"														A	-	Q	-	5Y
2.20	Building 4 - Generator Step Up Transformer	Dry	No	Victaulic 758	4"														A	-	Q	-	5Y
2.21	Building 4 - Generator Bearings	Special	Yes	Victaulic 756	2"														A	-	Q	-	5Y
2.22	Building 4 - Aux. Transformer #1	Dry	No	Victaulic 758	2"														A	-	Q	-	5Y
2.23	Building 4 - Aux. Transformer #2	Dry	No	Victaulic 758	2"														A	-	Q	-	5Y
2.24	Deluge House #24 - Unit 1 Transformer	Dry	No	Viking E-1	6"														A	-	Q	-	5Y
2.25	Deluge House #25 - Unit 2 Transformer	Dry	No	Viking E-1	6"														A	-	Q	-	5Y
2.26	Deluge House #26 - Unit 3 Transformer	Dry	No	Viking E-1	6"														A	-	Q	-	5Y
2.27	Cooling Tower - A4 Cell	Dry	No	Victaulic 756	6"														A	-	Q	-	5Y
2.28	Cooling Tower - B6 Cell	Dry	No	Victaulic 756	6"														A	-	Q	-	5Y
2.29	SUS Transformer @Cooling Tower #1	Dry	No	Victaulic 758	1.5"														A	-	Q	-	5Y
2.30	SUS Transformer @Cooling Tower #2	Dry	No	Victaulic 758	1.5"														A	-	Q	-	5Y

Item #	Clean Agent System Descriptions	System Type	Manufacturer	Tank Size	Pressure Valves	Zones													Inspection Frequency				
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Brandy Branch Generating Station - Fire Protection Systems (ITM by Contractor)

3.1	Combustion Turbine 1	CO2	Ansul	6 tons	12	5												A	SA	-	-	-
3.2	Combustion Turbine 2	CO2	Ansul	6 tons	12	5												A	SA	-	-	-
3.3	Combustion Turbine 3	CO2	Ansul	6 tons	12	5												A	SA	-	-	-
																		Inspection Frequency				
Item #	Foam System Descriptions	System Type	Manufacturer	Tank Size	Location																	
4.1	Fuel Tanks 1 & 2 and Hose Station Riser	Foam-Water	Ansul	400 Gal.	Diesel Fuel Tanks													A	-	-	-	-
																		Inspection Frequency				
Item #	Fire Pump Descriptions	Pump Make	Model	Type	Rated GPM	Prime Mover	HP	Controller														
5.1	Diesel Fire Pump	Aurora	8-481-178	Horizontal	2,500	Caterpillar	198.5	Master										A	-	-	-	-
5.2	Electric Fire Pump	Aurora	8-481-178	Horizontal	2,500	Marathon	250	Master										A	-	-	-	-
5.3	Jockey Pump	Aurora		Vertical	20-30	Marathon	7.5	Master										A	-	-	-	-
																		Inspection Frequency				
Item #	Misc. Fire System Descriptions	Quantity																				
6.1	Back Flow Preventers	3																A	-	-	-	5Y
6.2	Fire Hose Cabinets/Hoses	8																A	-	-	-	5Y
6.3	Fire Hydrants	16																A	-	-	-	-
6.4	Post Indicator Valves (PIV's)	25																A	-	-	-	-
6.5	Underground Fire Main Loop	1																-	-	-	3Y	-

Kennedy Generating Station - Fire Protection Systems (ITM by Contractor)

Item #	Fire Alarm System Descriptions	Panel Type	Model #	Conventional Circuits	Pulls	Smokes	Heats	Water Flow	Bells	Horn Strobes	Strobe Only	Tamper	Low Air	Solenoids	Pump Run	Other	Inspection Frequency				
																	A	SA	-	-	-
1.1	Unit 7 Control Room Bldg.	Siemens	MXL-IQ	16	1	4	4	0	1	0	0	0	0	2	0	0	A	SA	-	-	-
1.2	Unit 7 Xfmr Deluge House Bldg. #10	Cerberus	System 3	10	0	0	0	3	0	0	0	6	3	0	0	0	A	SA	-	-	-
1.3	Unit 8 Xfmr Deluge House	Siemens/Faraday	MPC-6000	6	0	0	0	3	0	1	0	3	3	0	0	0	A	SA	-	-	-
1.4	Unit 8 PDC/MCC Room	EST	FS302	1	2	3	0	0	0	2	2	0	0	0	0	0	A	SA	-	-	-
1.5	Fire Pump House Bldg. #12	Chemetron	Micro 1001	4	0	0	0	1	1	0	0	4	0	0	1	0	A	SA	-	-	-
1.6	Unit 7 Combustion Turbine (CO2)	Auto Pulse	IQ-396X	16	4	0	16	0	0	10	0	0	0	0	0	9	A	SA	-	-	-
1.7	Unit 8 Combustion Turbine (CO2)	Chemetron	Micro 1-EV	20	5	0	24	0	0	10	0	0	0	5	0	6	A	SA	-	-	-

Item #	Fire Sprinkler System Descriptions	System Type	Pre-Action	Control Valve Make & Model	Valve Size	Control Valve Make & Model	Valve Size	Control Valve Make & Model	Valve Size								Inspection Frequency					
										A	-	Q	-	-	-	-	-	-	-			
2.1	Unit 7 Transformer Deluge House	Dry	No	Reliable	6"	Reliable	4"	Reliable	2.5"								A	-	Q	-	-	5Y
2.2	Unit 8 Transformer Deluge House	Dry	No	Viking E-1	3"	Viking E-1	Two - 2"										A	-	Q	-	-	5Y
2.3	Fire Pump House Bldg. #12	Wet	No	Shot Gun Riser	1.25"												A	-	Q	-	-	5Y
2.4	Warehouse - Bldg. #15	Dry	No	Reliable Mod D	6"												A	-	Q	-	-	5Y

Item #	Clean Agent System Descriptions	System Type	Manufacturer	Tank Size	Pressure Valves	Zones											Inspection Frequency				
							A	SA	-	-	-										
3.1	Unit 7 Control Room	CO2	Ansul 150-D	DOT 3AA2300	-	1											A	SA	-	-	-
3.2	Unit 7 Combustion Turbine	CO2	Ansul/Tomco	2.5 tons	8	4											A	SA	-	-	-
3.3	Unit 8 Combustion Turbine	CO2	Chemetron	6 tons	10	5											A	SA	-	-	-

Item #	Fire Pump Descriptions	Pump Make	Model	Type	Rated GPM	Prime Mover	HP	Controller								Inspection Frequency					
									A	-	-	-	-	-	-	-	-				
4.1	Electric Fire Pump	ITT Industries	8100	Horizontal	1,000	US Electrical Moto	75	Cutler Hammer									A	-	-	-	-
4.2	Jockey Pump	Grundfos	CR2	Vertical	25	Baldor	2	Cutler Hammer									A	-	-	-	-

Item #	Misc. Fire System Descriptions	Quantity														Inspection Frequency					
			A	-	-	-	-														
5.1	Back Flow Preventers	0															A	-	-	-	5Y
5.2	Fire Hose Cabinets/Hoses	2															A	-	-	-	5Y
5.3	Fire Hydrants	11															A	-	-	-	-
5.4	Post Indicator Valves (PIV's)	<i>Maintenance by Plant</i>															A	-	-	-	-
5.5	Underground Fire Main Loop	1															-	-	-	3Y	-

Greenland Energy Center - Fire Protection Systems (ITM by Contractor)

Item #	Fire Alarm System Descriptions	Panel Type	Model #	Conventional Circuits	Pulls	Smokes	Ducts	Heats	Water Flow	Horn Strobes	Strobe Only	Tamper	Low Air	Cigar Heats	Other	Inspection Frequency				
1.1	PDC (Power Distribution Center)	Fike	Cyber Cat 50	7	7	14	0	0	0	8	0	0	0	0	0	A	SA	-	-	-
1.2	Warehouse - Control Room	Notifier	NFS2 3030D	47	9	12	2	1	5	26	3	6	4	0	8	A	SA	-	-	-
1.3	Combustion Turbine 1 (CO2)	Siemens	System 3	15	5	0	0	0	0	14	0	0	0	24	1	A	SA	-	-	-
1.4	Combustion Turbine 2 (CO2)	Siemens	System 3	15	5	0	0	0	0	14	0	0	0	24	1	A	SA	-	-	-

Item #	Fire Sprinkler System Descriptions	System Type	Pre-Action	Control Valve Make & Model	Valve Size											Inspection Frequency				
2.1	GSU Unit 1 Transformer Valve House	Dry	No	Viking F-1	4"											A	-	Q	-	5Y
2.2	GSU Unit 2 Transformer Valve House	Dry	No	Viking F-1	4"											A	-	Q	-	5Y
2.3	Diesel Pump Room	Dry	No	Viking F-1	3"											A	-	Q	-	5Y
2.4	Warehouse - Control Room	Special	Yes	Viking F-1	2"											A	-	-	-	5Y
2.5	Warehouse	Wet	No	Viking F-1	6"											A	-	Q	-	5Y

Item #	Clean Agent System Descriptions	System Type	Manufacturer	Tank Size	Pressure Valves	Zones											Inspection Frequency				
3.1	Combustion Turbine 1	CO2	Tomco	6 tons	10	5										A	SA	-	-	-	
3.2	Combustion Turbine 2	CO2	Tomco	6 tons	10	5										A	SA	-	-	-	

Item #	Foam System Descriptions	System Type	Manufacturer	Tank Size	Location											Inspection Frequency				
4.1	Fuel Tanks 1 & 2 and Hose Station Riser	Foam-Water	Ansul	300 Gal.	Diesel Fuel Tanks											A	-	-	-	-

Item #	Fire Pump Descriptions	Pump Make	Model	Type	Rated GPM	Prime Mover	HP	Controller								Inspection Frequency				
5.1	Diesel Fire Pump	Peerless	6AEF14Q	Horizontal	2,000	Clark	197	Firetrol								A	-	-	-	-
5.2	Electric Fire Pump	Peerless	8EF15G	Horizontal	2,000	Emerson	75	Firetrol								A	-	-	-	-
5.3	Jockey Pump	Grundfos	A97708460	Vertical	25	Baldor	2	Firetrol								A	-	-	-	-

Item #	Misc. Fire System Descriptions	Quantity														Inspection Frequency				
6.1	Back Flow Preventers	6														A	-	-	-	5Y
6.2	Fire Hose Cabinets/Hoses	2														A	-	-	-	5Y
6.3	Fire Hydrants	24														A	-	-	-	-
6.4	Post Indicator Valves (PIV's)	<i>Maintenance by Plant</i>														A	-	-	-	-
6.5	Underground Fire Main Loop	1														-	-	-	3Y	-