





# DEFECTIVE TRAP REPORT

Trap Survey

Date	5/23/12	Customer	
Technician		Location	Bath VA
Page	2 17		
Months/Year		Drip	12
		Coil	12
		Tracer	12
		Process	12

	Applic ation	Equip	MFR	PMO	Line Sz In Out	Condensate Lift Load	Pressure In Out	Insulati on	Piping					Steam Supply Discharge	Condition	
			Model	Conn Size					Direction	Strainer	Valve In	Valve Out				

Tag#	Outside	Location	Elevation			HOF	30 psig			8.0		V			C		BT			Recommendation
055		Rm 106 office wood shop		CL		FT030H	3/4"			0 psig			1	1		O				
Route No.				Months/Year	7	Conn Type		Superheat		Transmitter		Temp Alarm					Follow up			Comments
Steam Cost		Steam Loss/Yr	60,964 lb/yr	Frequency	12			Shutdown Req'd		Receiver		Conductive					Date			
20.00 USD		Annual Cost	1,219 USD	Installed Date		Check Valve	X			Critical Trap		Do not monitor								

Tag#	Outside	Location	Elevation			SAR	30 psig	3/4"		10.0		V		0	0					Recommendation
079		BL-35 AHO-1		CL		FT30	1-1/4"	3/4"		0 psig			1			M	O			CD
Route No.				Months/Year	7	Conn Type		Superheat		Transmitter		Temp Alarm					Follow up			Comments
				Frequency	12			Shutdown Req'd		Receiver		Conductive					Date			
				Installed Date		Check Valve				Critical Trap		Do not monitor								

Tag#	Outside	Location	Elevation			SAR	30 psig	3/4"		10.0		V		0	0					Recommendation
080		BL-35 AHO-1		CL		FT30	1-1/4"	3/4"		0 psig			1			M	O			CD
Route No.				Months/Year	7	Conn Type		Superheat		Transmitter		Temp Alarm					Follow up			Comments
				Frequency	12			Shutdown Req'd		Receiver		Conductive					Date			
				Installed Date		Check Valve				Critical Trap		Do not monitor								

Tag#	Outside	Location	Elevation			SAR	65 psig	3/4"		10.0		V	0	0	0	C		BT		Recommendation
128		SP3 Hall Stairwell		CL		T65	1/2"	3/4"		0 psig						O				
Route No.				Months/Year	7	Conn Type		Superheat		Transmitter		Temp Alarm					Follow up			Comments
Steam Cost		Steam Loss/Yr	77,432 lb/yr	Frequency	12			Shutdown Req'd		Receiver		Conductive					Date			
20.00 USD		Annual Cost	1,549 USD	Installed Date		Check Valve				Critical Trap		Do not monitor								

Tag#	Outside	Location	Elevation	DR		HOF	15 psig	3/4"		10.0		H			0	C		LK		Recommendation
148		B1-17 Corner by fire base sys pipe				FT015H	3/4"	3/4"		0 psig			1	1		O				
Route No.				Months/Year	12	Conn Type		Superheat		Transmitter		Temp Alarm					Follow up			Comments
Steam Cost		Steam Loss/Yr	46,639 lb/yr	Frequency	12			Shutdown Req'd		Receiver		Conductive					Date			
20.00 USD		Annual Cost	933 USD	Installed Date		Check Valve	X			Critical Trap		Do not monitor								





# DEFECTIVE TRAP REPORT

Trap Survey

Date	5/23/12	Customer	
Technician		Location	Bath VA
Page	4 17		
Months/Year		Drip	12
		Coil	12
		Tracer	12
		Process	12

Application	Equip	MFR	PMO	Line Sz	Condensate	Pressure	Insulation	Piping				Steam	Condition
		Model	Conn Size					Direction	Strainer	Valve In	Valve Out		

Tag#	Outside	Location	Elevation	DR		SAR	600 psig	3/4"		10.0		H				C				PL	Recommendation
176		Bldg 41 Basement Overhead Entry				TD52	1/2"	3/4"		0 psig			1	1	1		O				
Route No.		Months/Year		12	Conn Type	Superheat			Transmitter		Temp Alarm		Follow up		Comments						
		Frequency		12		Shutdown Req'd			Receiver		Conductive		Date								
		Installed Date			Check Valve				Critical Trap		Do not monitor										

Tag#	Outside	Location	Elevation	CL		DUN	25 psig	3/4"		10.0		V	0	0	0		BT			Recommendation
178		Basement Electric Room				1E	1/2"	3/4"		0 psig						M	O			
Route No.		Months/Year		7	Conn Type	Superheat			Transmitter		Temp Alarm		Follow up		Comments					
Steam Cost		Frequency		12		Shutdown Req'd			Receiver		Conductive		Date							
20.00 USD		Annual Cost			Check Valve	X			Critical Trap		Do not monitor									

Tag#	Outside	Location	Elevation	CL		SAR	25 psig	3/4"		10.0		V	0		0				PL	Recommendation
179		Basement Electric Room				H	1/2"	3/4"		0 psig				1		M	O			
Route No.		Months/Year		7	Conn Type	Superheat			Transmitter		Temp Alarm		Follow up		Comments					
		Frequency		12		Shutdown Req'd			Receiver		Conductive		Date							
		Installed Date			Check Valve	X			Critical Trap		Do not monitor									

Tag#	Outside	Location	Elevation	CL		DUN	25 psig	1/2"		10.0		V	0	0	0				PL	Recommendation
213		Bldg 41 Rm 203				1E	1/2"	1/2"		0 psig						M	O			
Route No.		Months/Year		7	Conn Type	Superheat			Transmitter		Temp Alarm		Follow up		Comments					
		Frequency		12		Shutdown Req'd			Receiver		Conductive		Date		Stopped due to return issue					
		Installed Date			Check Valve				Critical Trap		Do not monitor									

Tag#	Outside	Location	Elevation	CL		DUN	25 psig	1/2"		10.0		V	0	0	0				PL	Recommendation
214		Bldg 41 Rm 202				1E	1/2"	1/2"		0 psig						M	O			
Route No.		Months/Year		7	Conn Type	Superheat			Transmitter		Temp Alarm		Follow up		Comments					
		Frequency		12		Shutdown Req'd			Receiver		Conductive		Date							
		Installed Date			Check Valve				Critical Trap		Do not monitor									



# DEFECTIVE TRAP REPORT

Trap Survey

Date	5/23/12	Customer	
Technician		Location	Bath VA
Page	5 17		
Months/Year		Drip	12
		Coil	12
		Tracer	12
		Process	12

Application	Equip	MFR	PMO	Line Sz	Condensate	Pressure	Insulation	Piping				Steam	Condition
		Model	Conn Size					Direction	Strainer	Valve In	Valve Out		

Tag#	Outside	Location	Elevation				DUN	25 psig	1/2"		10.0		V	0	0	0				PL	Recommendation
215		Bldg 41 Rm 202		CL			1E	1/2"	1/2"		0 psig						M	O			
Route No.		Months/Year		7	Conn Type		Superheat		Transmitter		Temp Alarm		Follow up		Comments						
		Frequency		12			Shutdown Req'd		Receiver		Conductive		Date								
		Installed Date			Check Valve				Critical Trap		Do not monitor										

Tag#	Outside	Location	Elevation				SAR	25 psig	1/2"		10.0		V	0	0	0				PL	Recommendation
228		Bldg 41 Rm 205		CL			E	1/2"	1/2"		0 psig						M	O			
Route No.		Months/Year		7	Conn Type		Superheat		Transmitter		Temp Alarm		Follow up		Comments						
		Frequency		12			Shutdown Req'd		Receiver		Conductive		Date								
		Installed Date			Check Valve				Critical Trap		Do not monitor										

Tag#	Outside	Location	Elevation	DR			HOF	30 psig	3/4"		10.0		V				C		BT		Recommendation
236		Bldg 41 Rm 209					540FT	3/4"	3/4"		0 psig			1	1	1		O			
Route No.		Months/Year		12	Conn Type		Superheat		Transmitter		Temp Alarm		Follow up		Comments						
Steam Cost		Frequency		12			Shutdown Req'd		Receiver		Conductive		Date								
20.00 USD		Annual Cost			Check Valve				Critical Trap		Do not monitor										
		Steam Loss/Yr		186,557 lb/yr																	
		Annual Cost		3,731 USD																	

Tag#	Outside	Location	Elevation	DR			HOF	30 psig	3/4"		10.0		V				C		BT		Recommendation
237		For Heat					540FT	3/4"	3/4"		0 psig			1	1	1		O			
Route No.		Months/Year		12	Conn Type		Superheat		Transmitter		Temp Alarm		Follow up		Comments						
Steam Cost		Frequency		12			Shutdown Req'd		Receiver		Conductive		Date								
20.00 USD		Annual Cost			Check Valve				Critical Trap		Do not monitor										
		Steam Loss/Yr		186,557 lb/yr																	
		Annual Cost		3,731 USD																	

Tag#	Outside	Location	Elevation	DR			SAR	75 psig	3/4"		10.0		V				C		PL		Recommendation
240		B41 Rm 209 RAD HEAT					FT75	1"	3/4"		0 psig			1	1	1		O			
Route No.		Months/Year		12	Conn Type		Superheat		Transmitter		Temp Alarm		Follow up		Comments						
		Frequency		12			Shutdown Req'd		Receiver		Conductive		Date								
		Installed Date			Check Valve				Critical Trap		Do not monitor										



# DEFECTIVE TRAP REPORT

Trap Survey

Date	5/23/12	Customer	
Technician		Location	Bath VA
Page	6 17		
Months/Year		Drip	12
		Coil	12
		Tracer	12
		Process	12

Tag#	Outside	Location	Elevation	DR	MFR	PMO	Line Sz	Condensate	Pressure	Insulation	Piping				Steam	Condition	
											Direction	Strainer	Valve In	Valve Out			
Model	Conn Size	In	Out	Lift	In	Out	Load	Out									

Tag#	Outside	Location	Elevation	DR		DUN	15 psig	3/4"		10.0		V		0	C		LK	Recommendation
251		By Compresses				307	1-1/2"	3/4"		0 psig			1	1		O		
Route No.		Months/Year		12		Conn Type		Superheat		Transmitter		Temp Alarm		Follow up		Comments		
Steam Cost		Steam Loss/Yr		46,639 lb/yr		Frequency		12		Receiver		Conductive		Date				
20.00 USD		Annual Cost		933 USD		Installed Date		Check Valve		Shutdown Req'd		Critical Trap		Do not monitor				

Tag#	Outside	Location	Elevation	DR		DUN	15 psig	3/4"		10.0		V		0	C		LK	Recommendation
252		By Compresses				307	1-1/2"	3/4"		0 psig			1	1		O		
Route No.		Months/Year		12		Conn Type		Superheat		Transmitter		Temp Alarm		Follow up		Comments		
Steam Cost		Steam Loss/Yr		46,639 lb/yr		Frequency		12		Receiver		Conductive		Date				
20.00 USD		Annual Cost		933 USD		Installed Date		Check Valve		Shutdown Req'd		Critical Trap		Do not monitor				

Tag#	Outside	Location	Elevation	DR		HOF	15 psig	3/4"		10.0		V			C			Recommendation
268		Next to HX				53FT	3/4"	3/4"		0 psig			1	1	1	O	CD	
Route No.		Months/Year		12		Conn Type		Superheat		Transmitter		Temp Alarm		Follow up		Comments		
		Frequency		12				Shutdown Req'd		Receiver		Conductive		Date				
		Installed Date				Check Valve				Critical Trap		Do not monitor						

Tag#	Outside	Location	Elevation	CL		HOF	15 psig	3/4"		10.0		V		0				Recommendation
269						53FT	3/4"	3/4"		0 psig			1	1		M	O	CD
Route No.		Months/Year		7		Conn Type		Superheat		Transmitter		Temp Alarm		Follow up		Comments		
		Frequency		12				Shutdown Req'd		Receiver		Conductive		Date				
		Installed Date				Check Valve				Critical Trap		Do not monitor						

Tag#	Outside	Location	Elevation	CL		HOF	15 psig	1"		10.0		V			C		LK	Recommendation
274		above Attic				53FT	3/4"	1"		0 psig			1	1	1	O		
Route No.		Months/Year		12		Conn Type		Superheat		Transmitter		Temp Alarm		Follow up		Comments		
Steam Cost		Steam Loss/Yr		29,982 lb/yr		Frequency		12		Receiver		Conductive		Date				
20.00 USD		Annual Cost		600 USD		Installed Date		Check Valve		Shutdown Req'd		Critical Trap		Do not monitor				



# DEFECTIVE TRAP REPORT

Trap Survey

Date	5/23/12	Customer	
Technician		Location	Bath VA
Page	7 17		
Months/Year		Drip	12
		Coil	12
		Tracer	12
		Process	12

Application	Equip	MFR	PMO	Line Sz	Condensate	Pressure	Insulation	Piping				Steam	Condition
		Model	Conn Size					Direction	Strainer	Valve In	Valve Out		

Tag#	Outside	Location	Elevation	DR		HOF	15 psig	3/4"		10.0		V	0	0	C				PL	Recommendation
281		Emergency Mech Rm				FT015H	1-1/4"	3/4"		0 psig						O				
Route No.		Months/Year		12	Conn Type		Superheat		Transmitter		Temp Alarm		Follow up		Comments					
		Frequency		12			Shutdown Req'd		Receiver		Conductive		Date		Steam Valve Leaks					
		Installed Date			Check Valve		<input checked="" type="checkbox"/>		Critical Trap		Do not monitor									

Tag#	Outside	Location	Elevation	DR		HOF	60 psig	3/4"		10.0		V			C			BT	Recommendation
294		7TH Floor Mech				541FT	3/4"	3/4"		0 psig			1	1	1	O			
Route No.		Months/Year		12	Conn Type		Superheat		Transmitter		Temp Alarm		Follow up		Comments				
Steam Cost		Frequency		12			Shutdown Req'd		Receiver		Conductive		Date						
20.00 USD		Annual Cost			Check Valve		<input type="checkbox"/>		Critical Trap		Do not monitor								
		Steam Loss/Yr		186,557 lb/yr															
		Annual Cost		3,731 USD															

Tag#	Outside	Location	Elevation	DR		HOF	60 psig	3/4"		10.0		V			0			BT	Recommendation
295		AHU 3		CL		541FT	3/4"	3/4"		0 psig			1	1		M	O		
Route No.		Months/Year		12	Conn Type		Superheat		Transmitter		Temp Alarm		Follow up		Comments				
Steam Cost		Frequency		12			Shutdown Req'd		Receiver		Conductive		Date						
20.00 USD		Annual Cost			Check Valve		<input type="checkbox"/>		Critical Trap		Do not monitor								
		Steam Loss/Yr		119,929 lb/yr															
		Annual Cost		2,399 USD															

Tag#	Outside	Location	Elevation	DR		HOF	60 psig	3/4"		10.0		V			0			BT	Recommendation
296		AHU 3		CL		541FT	3/4"	3/4"		0 psig			1	1		M	O		
Route No.		Months/Year		12	Conn Type		Superheat		Transmitter		Temp Alarm		Follow up		Comments				
Steam Cost		Frequency		12			Shutdown Req'd		Receiver		Conductive		Date						
20.00 USD		Annual Cost			Check Valve		<input type="checkbox"/>		Critical Trap		Do not monitor								
		Steam Loss/Yr		119,929 lb/yr															
		Annual Cost		2,399 USD															

Tag#	Outside	Location	Elevation	DR		DUN	25 psig	1/2"		10.0		V	0	0	0	C			PL	Recommendation
316		610		CL		1E	1/2"	1/2"		0 psig						O				
Route No.		Months/Year		7	Conn Type		Superheat		Transmitter		Temp Alarm		Follow up		Comments					
		Frequency		12			Shutdown Req'd		Receiver		Conductive		Date							
		Installed Date			Check Valve		<input type="checkbox"/>		Critical Trap		Do not monitor									



# DEFECTIVE TRAP REPORT

Trap Survey

Date	5/23/12	Customer	
Technician		Location	Bath VA
Page	8 17		
Months/Year		Drip	12
		Coil	12
		Tracer	12
		Process	12

	Applic ation	Equip	MFR	PMO	Line Sz	Condensate	Pressure	Insulati on	Piping				Steam	Condition	
			Model	Conn Size	In Out	Lift Load	In Out		Direction	Strainer	Valve In	Valve Out	Supply Discharge		

Tag#	Outside	Location	Elevation			DUN	25 psig	1/2"		10.0		V	0	0	0	C				PL	Recommendation
317		609		CL		1E	1/2"	1/2"		0 psig						O					
Route No.		Months/Year		7		Conn Type		Superheat		Transmitter		Temp Alarm		Follow up		Comments					
		Frequency		12				Shutdown Req'd		Receiver		Conductive		Date							
		Installed Date				Check Valve				Critical Trap		Do not monitor									

Tag#	Outside	Location	Elevation			DUN	25 psig	1/2"		10.0		V	0	0	0	C				BT	Recommendation
318		609		CL		1E	1/2"	1/2"		0 psig						O					
Route No.		Months/Year		7		Conn Type		Superheat		Transmitter		Temp Alarm		Follow up		Comments					
Steam Cost		Frequency		12				Shutdown Req'd		Receiver		Conductive		Date							
20.00 USD		Annual Cost				Check Valve				Critical Trap		Do not monitor									
		Steam Loss/Yr		116,148 lb/yr																	
		Annual Cost		2,323 USD																	

Tag#	Outside	Location	Elevation			DUN	25 psig	1/2"		10.0		V	0	0	0	C				BT	Recommendation
323		604		CL		1E	1/2"	1/2"		0 psig						O					
Route No.		Months/Year		7		Conn Type		Superheat		Transmitter		Temp Alarm		Follow up		Comments					
Steam Cost		Frequency		12				Shutdown Req'd		Receiver		Conductive		Date							
20.00 USD		Annual Cost				Check Valve				Critical Trap		Do not monitor									
		Steam Loss/Yr		116,148 lb/yr																	
		Annual Cost		2,323 USD																	

Tag#	Outside	Location	Elevation			DUN	25 psig	1/2"		10.0		V	0	0	0	C				BT	Recommendation
326		Backload Door		CL		1E	1/2"	1/2"		0 psig						O					
Route No.		Months/Year		7		Conn Type		Superheat		Transmitter		Temp Alarm		Follow up		Comments					
Steam Cost		Frequency		12				Shutdown Req'd		Receiver		Conductive		Date							
20.00 USD		Annual Cost				Check Valve				Critical Trap		Do not monitor									
		Steam Loss/Yr		116,148 lb/yr																	
		Annual Cost		2,323 USD																	

Tag#	Outside	Location	Elevation			DUN	25 psig	1/2"		10.0		V	0	0	0	C				PL	Recommendation
342		S/C		CL		1E	1/2"	1/2"		0 psig						O					
Route No.		Months/Year		7		Conn Type		Superheat		Transmitter		Temp Alarm		Follow up		Comments					
		Frequency		12				Shutdown Req'd		Receiver		Conductive		Date							
		Installed Date				Check Valve				Critical Trap		Do not monitor									





# DEFECTIVE TRAP REPORT

Trap Survey

Date	5/23/12	Customer	
Technician		Location	Bath VA
Page	9 17		
Months/Year		Drip	12
		Coil	12
		Tracer	12
		Process	12

Tag#	Outside	Location	Elevation	Applic ation	Equip	MFR	PMO	Line Sz	Condensate	Pressure	Insulati on	Piping				Steam	Condition	
						Model	Conn Size	In Out	Lift Load	In Out		Direction	Strainer	Valve In	Valve Out	Supply Discharge		

Tag#	Outside	Location	Elevation			DUN	25 psig	1/2"		10.0		V	0	0	0	C			PL	Recommendation
358		203A Womens		CL		1E	1/2"	1/2"		0 psig						O				
Route No.				Months/Year		7		Conn Type		Superheat		Transmitter		Temp Alarm		Follow up		Comments		
				Frequency		12				Shutdown Req'd		Receiver		Conductive		Date				
				Installed Date				Check Valve				Critical Trap		Do not monitor						

Tag#	Outside	Location	Elevation			ARM	65 psig	1/2"		10.0		V	0	0	0	C		BT	Recommendation
362		214		CL		TS-3	1"	1/2"		0 psig						O			
Route No.				Months/Year		7		Conn Type		Superheat		Transmitter		Temp Alarm		Follow up		Comments	
Steam Cost				Frequency		12				Shutdown Req'd		Receiver		Conductive		Date			
20.00 USD				Annual Cost		30,613 lb/yr		612 USD		Installed Date		Check Valve				Critical Trap		Do not monitor	

Tag#	Outside	Location	Elevation			ARM	65 psig	1/2"		10.0		V	0	0	0	C		BT	Recommendation
363		214A		CL		TS-3	1"	1/2"		0 psig						O			
Route No.				Months/Year		7		Conn Type		Superheat		Transmitter		Temp Alarm		Follow up		Comments	
Steam Cost				Frequency		12				Shutdown Req'd		Receiver		Conductive		Date			
20.00 USD				Annual Cost		30,613 lb/yr		612 USD		Installed Date		Check Valve				Critical Trap		Do not monitor	

Tag#	Outside	Location	Elevation			DUN	25 psig	1/2"		10.0		V	0	0	0	C		BT	Recommendation
369		220A		CL		1E	1/2"	1/2"		0 psig						O			
Route No.				Months/Year		7		Conn Type		Superheat		Transmitter		Temp Alarm		Follow up		Comments	
Steam Cost				Frequency		12				Shutdown Req'd		Receiver		Conductive		Date			
20.00 USD				Annual Cost		116,148 lb/yr		2,323 USD		Installed Date		Check Valve				Critical Trap		Do not monitor	

Tag#	Outside	Location	Elevation			ARM	65 psig	3/4"		10.0		V	0	0	0	C		BT	Recommendation
377		613		CL		TS3	3/4"	3/4"		0 psig						O			
Route No.				Months/Year		7		Conn Type		Superheat		Transmitter		Temp Alarm		Follow up		Comments	
Steam Cost				Frequency		12				Shutdown Req'd		Receiver		Conductive		Date			
20.00 USD				Annual Cost		30,613 lb/yr		612 USD		Installed Date		Check Valve				Critical Trap		Do not monitor	



# DEFECTIVE TRAP REPORT

Trap Survey

Date	5/23/12	Customer	
Technician		Location	Bath VA
Page	10 17		
Months/Year		Drip	12
		Coil	12
		Tracer	12
		Process	12

	Applic ation	Equip	MFR	PMO	Line Sz In Out	Condensate Lift Load	Pressure In Out	Insulati on	Piping					Steam Supply Discharge	Condition	
			Model	Conn Size					Direction	Strainer	Valve In	Valve Out				

Tag#	Outside	Location	Elevation			DUN		1/2"		10.0		V	0	0	0	C		BT			Recommendation
379		212		CL		1E	1/2"	1/2"		0 psig						O					
Route No.		Months/Year		7	Conn Type		Superheat		Transmitter		Temp Alarm		Follow up		Comments						
		Frequency		12			Shutdown Req'd		Receiver		Conductive		Date								
		Installed Date			Check Valve				Critical Trap		Do not monitor										

Tag#	Outside	Location	Elevation			ARM	65 psig	1/2"		10.0		V	0	0	0	C		PL			Recommendation
381		212 C		CL		TS-3	1"	1/2"		0 psig						O					
Route No.		Months/Year		7	Conn Type		Superheat		Transmitter		Temp Alarm		Follow up		Comments						
		Frequency		12			Shutdown Req'd		Receiver		Conductive		Date								
		Installed Date			Check Valve				Critical Trap		Do not monitor										

Tag#	Outside	Location	Elevation			ARM	65 psig	1/2"		10.0		V	0	0	0	C		BT			Recommendation
388		209A		CL		TS-3	1"	1/2"		0 psig						O					
Route No.		Months/Year		7	Conn Type		Superheat		Transmitter		Temp Alarm		Follow up		Comments						
Steam Cost		Frequency		12			Shutdown Req'd		Receiver		Conductive		Date								
20.00 USD		Annual Cost			Check Valve				Critical Trap		Do not monitor										
		Steam Loss/Yr		30,613 lb/yr																	
		Annual Cost		612 USD																	

Tag#	Outside	Location	Elevation			DUN	25 psig	1/2"		10.0		V	0	0	0	C		BT			Recommendation
391		213		CL		1E	1/2"	1/2"		0 psig						O					
Route No.		Months/Year		7	Conn Type		Superheat		Transmitter		Temp Alarm		Follow up		Comments						
Steam Cost		Frequency		12			Shutdown Req'd		Receiver		Conductive		Date								
20.00 USD		Annual Cost			Check Valve				Critical Trap		Do not monitor										
		Steam Loss/Yr		116,148 lb/yr																	
		Annual Cost		2,323 USD																	

Tag#	Outside	Location	Elevation			DUN	25 psig	1/2"		10.0		V	0	0	0	C		PL			Recommendation
394		213B		CL		1E	1/2"	1/2"		0 psig						O					
Route No.		Months/Year		7	Conn Type		Superheat		Transmitter		Temp Alarm		Follow up		Comments						
		Frequency		12			Shutdown Req'd		Receiver		Conductive		Date								
		Installed Date			Check Valve				Critical Trap		Do not monitor										



# DEFECTIVE TRAP REPORT

Trap Survey

Date	5/23/12	Customer	
Technician		Location	Bath VA
Page	11 17		
Months/Year		Drip	12
		Coil	12
		Tracer	12
		Process	12

Tag#	Outside	Location	Elevation	Applic ation	Equip	MFR	PMO	Line Sz	Condensate	Pressure	Insulati on	Piping					Steam	Condition	
						Model	Conn Size	In Out	Lift Load	In Out		Direction	Strainer	Valve In	Valve Out	Supply	Discharge		

Tag#	Outside	Location	Elevation	DR		ARM	80 psig	3/4"		40.0		H	0			C		BT			Recommendation
416		Over Return Tank				880	3/4"	3/4"		0 psig						O					
Route No.				Months/Year	12	Conn Type		Superheat			Transmitter		Temp Alarm		Follow up		Comments				
Steam Cost		Steam Loss/Yr		Frequency	12			Shutdown Req'd			Receiver		Conductive		Date						
20.00 USD		194,822 lb/yr		Installed Date		Check Valve		X			Critical Trap		Do not monitor								
		Annual Cost																			
		3,896 USD																			

Tag#	Outside	Location	Elevation	CL		DUN	25 psig	1/2"		10.0		V	0	0	0	C		BT			Recommendation
433		Rm 189 1st Floor				1E	1/2"	1/2"		0 psig						O					
Route No.				Months/Year	7	Conn Type		Superheat			Transmitter		Temp Alarm		Follow up		Comments				
Steam Cost		Steam Loss/Yr		Frequency	12			Shutdown Req'd			Receiver		Conductive		Date						
20.00 USD		116,148 lb/yr		Installed Date		Check Valve		X			Critical Trap		Do not monitor								
		Annual Cost																			
		2,323 USD																			

Tag#	Outside	Location	Elevation	CL		DUN	25 psig	1/2"		10.0		V	0	0	0	C		BT			Recommendation
436		180				1E	1/2"	1/2"		0 psig						O					
Route No.				Months/Year	7	Conn Type		Superheat			Transmitter		Temp Alarm		Follow up		Comments				
Steam Cost		Steam Loss/Yr		Frequency	12			Shutdown Req'd			Receiver		Conductive		Date						
20.00 USD		116,148 lb/yr		Installed Date		Check Valve		X			Critical Trap		Do not monitor								
		Annual Cost																			
		2,323 USD																			

Tag#	Outside	Location	Elevation	CL		DUN	25 psig	1/2"		10.0		V	0	0	0	C		BT		PL	Recommendat
441		321				1E	1/2"	1/2"		0 psig						O					
Route No.				Months/Year	7	Conn Type		Superheat			Transmitter		Temp Alarm		Follow up		Comments				
Steam Cost		Steam Loss/Yr		Frequency	12			Shutdown Req'd			Receiver		Conductive		Date						
20.00 USD		116,148 lb/yr		Installed Date		Check Valve		X			Critical Trap		Do not monitor								
		Annual Cost																			
		2,323 USD																			

Tag#	Outside	Location	Elevation	CL		DUN	25 psig	1/2"		10.0		V	0	0	0	C		BT			Recommendation
442		321				1E	1/2"	1/2"		0 psig						O					
Route No.				Months/Year	7	Conn Type		Superheat			Transmitter		Temp Alarm		Follow up		Comments				
Steam Cost		Steam Loss/Yr		Frequency	12			Shutdown Req'd			Receiver		Conductive		Date						
20.00 USD		116,148 lb/yr		Installed Date		Check Valve		X			Critical Trap		Do not monitor								
		Annual Cost																			
		2,323 USD																			



# DEFECTIVE TRAP REPORT

Trap Survey

Date	5/23/12	Customer	
Technician		Location	Bath VA
Page	12 17		
Months/Year		Drip	12
		Coil	12
		Tracer	12
		Process	12

Tag#	Outside	Location	Elevation	Applic ation	Equip	MFR	PMO	Line Sz	Condensate	Pressure	Insulati on	Piping					Steam	Condition	
						Model	Conn Size	In Out	Lift Load	In Out		Direction	Strainer	Valve In	Valve Out	Supply	Discharge		

Tag#	Outside	Location	Elevation			SAR	65 psig	1/2"		10.0		V	0	0	0	C			PL	Recommendation
454				CL		T65	1/2"	1/2"		0 psig						O				
Route No. Rm 3				Months/Year	7	Conn Type		Superheat		Transmitter		Temp Alarm		Follow up				Comments		
				Frequency	12			Shutdown Req'd		Receiver		Conductive		Date						
				Installed Date		Check Valve				Critical Trap		Do not monitor								

Tag#	Outside	Location	Elevation			SAR	65 psig	1/2"		10.0		V	0	0	0	C		BT		Recommendation
456				CL		T65	1/2"	1/2"		0 psig						O				
Route No. Rm 3				Months/Year	7	Conn Type		Superheat		Transmitter		Temp Alarm		Follow up				Comments		
Steam Cost 20.00 USD				Frequency	12			Shutdown Req'd		Receiver		Conductive		Date						
Annual Cost 77,432 lb/yr				Installed Date		Check Valve				Critical Trap		Do not monitor								

Tag#	Outside	Location	Elevation			SAR	65 psig	1/2"		10.0		V	0	0	0	C			PL	Recommendation
457				CL		T65	1/2"	1/2"		0 psig						O				
Route No. Rm 3				Months/Year	7	Conn Type		Superheat		Transmitter		Temp Alarm		Follow up				Comments		
				Frequency	12			Shutdown Req'd		Receiver		Conductive		Date						
				Installed Date		Check Valve				Critical Trap		Do not monitor								

Tag#	Outside	Location	Elevation			SAR	15 psig	1/2"		10.0		V							PL	Recommendation
487				CL		FT15	3/4"	1/2"		0 psig			1	1	1					
Route No. 357				Months/Year	12	Conn Type		Superheat		Transmitter		Temp Alarm		Follow up				Comments		
				Frequency	12			Shutdown Req'd		Receiver		Conductive		Date						
				Installed Date		Check Valve	X			Critical Trap		Do not monitor								

Tag#	Outside	Location	Elevation			SAR	15 psig	1/2"		10.0		V						BT		Recommendation
490				CL		FT15	3/4"	1/2"		0 psig			1	1	1					
Route No. 357 C				Months/Year	12	Conn Type		Superheat		Transmitter		Temp Alarm		Follow up				Comments		
Steam Cost 20.00 USD				Frequency	12			Shutdown Req'd		Receiver		Conductive		Date						
Annual Cost 119,929 lb/yr				Installed Date		Check Valve	X			Critical Trap		Do not monitor								



# DEFECTIVE TRAP REPORT

Trap Survey

Date	5/23/12	Customer	
Technician		Location	Bath VA
Page	13 17		
Months/Year		Drip	12
		Coil	12
		Tracer	12
		Process	12

Tag#	Outside	Location	Elevation	Applic ation	Equip	MFR	PMO	Line Sz	Condensate	Pressure	Insulati on	Piping				Steam	Condition	
						Model	Conn Size	In Out	Lift Load	In Out		Direction	Strainer	Valve In	Valve Out	Supply Discharge		

Tag#	Outside	Location	Elevation			SAR	15 psig	1/2"		10.0		V						PL	Recommendation
492				CL		FT15	3/4"	1/2"		0 psig			1	1	1	M	O		
Route No. 422R				Months/Year	12	Conn Type		Superheat	<input type="checkbox"/>	Transmitter		Temp Alarm		Follow up				Comments	
				Frequency	12			Shutdown Req'd	<input type="checkbox"/>	Receiver		Conductive		Date					
				Installed Date		Check Valve	<input checked="" type="checkbox"/>			Critical Trap	<input type="checkbox"/>	Do not monitor	<input type="checkbox"/>						

Tag#	Outside	Location	Elevation			SAR	15 psig	1/2"		10.0		V						BT	Recommendation
496				CL		FT15	3/4"	1/2"		0 psig			1	1	1	M	O		
Route No. 423				Months/Year	12	Conn Type		Superheat	<input type="checkbox"/>	Transmitter		Temp Alarm		Follow up				Comments	
Steam Cost 20.00 USD				Frequency	12			Shutdown Req'd	<input type="checkbox"/>	Receiver		Conductive		Date					
Annual Cost 119,929 lb/yr				Installed Date		Check Valve	<input checked="" type="checkbox"/>			Critical Trap	<input type="checkbox"/>	Do not monitor	<input type="checkbox"/>						

Tag#	Outside	Location	Elevation			DUN	25 psig	1/2"		10.0		V	0					PL	Recommendation
504				CL		1E	1/2"	1/2"		0 psig				1	1	C	O		
Route No. 407A				Months/Year	7	Conn Type		Superheat	<input type="checkbox"/>	Transmitter		Temp Alarm		Follow up				Comments	
				Frequency	12			Shutdown Req'd	<input type="checkbox"/>	Receiver		Conductive		Date					
				Installed Date		Check Valve	<input type="checkbox"/>			Critical Trap	<input type="checkbox"/>	Do not monitor	<input type="checkbox"/>						

Tag#	Outside	Location	Elevation			DUN	25 psig	1/2"		10.0		V	0					BT	Recommendation
506				CL		1E	1/2"	1/2"		0 psig				1	1	C	O		
Route No. 407A				Months/Year	7	Conn Type		Superheat	<input type="checkbox"/>	Transmitter		Temp Alarm		Follow up				Comments	
Steam Cost 20.00 USD				Frequency	12			Shutdown Req'd	<input type="checkbox"/>	Receiver		Conductive		Date					
Annual Cost 116,148 lb/yr				Installed Date		Check Valve	<input type="checkbox"/>			Critical Trap	<input type="checkbox"/>	Do not monitor	<input type="checkbox"/>						

Tag#	Outside	Location	Elevation			DUN	25 psig	1/2"		10.0		V	0					BT	Recommendation
510				CL		1E	1/2"	1/2"		0 psig				1	1	C	O		
Route No. 402				Months/Year	7	Conn Type		Superheat	<input type="checkbox"/>	Transmitter		Temp Alarm		Follow up				Comments	
Steam Cost 20.00 USD				Frequency	12			Shutdown Req'd	<input type="checkbox"/>	Receiver		Conductive		Date					
Annual Cost 116,148 lb/yr				Installed Date		Check Valve	<input type="checkbox"/>			Critical Trap	<input type="checkbox"/>	Do not monitor	<input type="checkbox"/>						



# DEFECTIVE TRAP REPORT

Trap Survey

Date	5/23/12	Customer	
Technician		Location	Bath VA
Page	14 17		
Months/Year		Drip	12
		Coil	12
		Tracer	12
		Process	12

Application	Equip	MFR	PMO	Line Sz	Condensate	Pressure	Insulation	Piping				Steam	Condition
		Model	Conn Size					Direction	Strainer	Valve In	Valve Out		

Tag#	Outside	Location	Elevation			DUN	25 psig	1/2"		10.0		V	0		C		BT		Recommendation
514				CL		1E	1/2"	1/2"		0 psig				1	1	O			
Route No. 401				Months/Year 7		Conn Type		Superheat <input type="checkbox"/>		Transmitter		Temp Alarm		Follow up		Comments			
Steam Cost 20.00 USD				Frequency 12		Check Valve <input type="checkbox"/>		Shutdown Req'd <input type="checkbox"/>		Receiver		Conductive		Date					
Steam Loss/Yr Annual Cost 116,148 lb/yr 2,323 USD				Installed Date						Critical Trap <input type="checkbox"/>		Do not monitor <input type="checkbox"/>							

Tag#	Outside	Location	Elevation			DUN	25 psig	1/2"		10.0		V	0		0			PL	Recommendation
531		439A		CL		1E	1/2"	1/2"		0 psig				1		M	O		
Route No.				Months/Year 12		Conn Type		Superheat <input type="checkbox"/>		Transmitter		Temp Alarm		Follow up		Comments			
				Frequency 12		Check Valve <input type="checkbox"/>		Shutdown Req'd <input type="checkbox"/>		Receiver		Conductive		Date					
				Installed Date						Critical Trap <input type="checkbox"/>		Do not monitor <input type="checkbox"/>							

Tag#	Outside	Location	Elevation			DUN	25 psig	1/2"		10.0		V	0		0		BT		Recommendation
532		417		CL		1E	1/2"	1/2"		0 psig				1		M	O		
Route No.				Months/Year 12		Conn Type		Superheat <input type="checkbox"/>		Transmitter		Temp Alarm		Follow up		Comments			
Steam Cost 20.00 USD				Frequency 12		Check Valve <input type="checkbox"/>		Shutdown Req'd <input type="checkbox"/>		Receiver		Conductive		Date					
Steam Loss/Yr Annual Cost 199,110 lb/yr 3,982 USD				Installed Date						Critical Trap <input type="checkbox"/>		Do not monitor <input type="checkbox"/>							

Tag#	Outside	Location	Elevation			DUN	25 psig	1/2"		10.0		V	0		0			PL	Recommendation
533		415		CL		1E	1/2"	1/2"		0 psig				1		M	O		
Route No.				Months/Year 12		Conn Type		Superheat <input type="checkbox"/>		Transmitter		Temp Alarm		Follow up		Comments			
				Frequency 12		Check Valve <input type="checkbox"/>		Shutdown Req'd <input type="checkbox"/>		Receiver		Conductive		Date					
				Installed Date						Critical Trap <input type="checkbox"/>		Do not monitor <input type="checkbox"/>							

Tag#	Outside	Location	Elevation			DUN	25 psig	1/2"		10.0		V	0		0		BT		Recommendation
537		431A		CL		1E	1/2"	1/2"		0 psig				1		M	O		
Route No.				Months/Year 12		Conn Type		Superheat <input type="checkbox"/>		Transmitter		Temp Alarm		Follow up		Comments			
Steam Cost 20.00 USD				Frequency 12		Check Valve <input type="checkbox"/>		Shutdown Req'd <input type="checkbox"/>		Receiver		Conductive		Date					
Steam Loss/Yr Annual Cost 199,110 lb/yr 3,982 USD				Installed Date						Critical Trap <input type="checkbox"/>		Do not monitor <input type="checkbox"/>							



# DEFECTIVE TRAP REPORT

Trap Survey

Date	5/23/12	Customer	
Technician		Location	Bath VA
Page	15 17		
Months/Year		Drip	12
		Coil	12
		Tracer	12
		Process	12

	Applic ation	Equip	MFR	PMO	Line Sz	Condensate	Pressure	Insulati on	Piping				Steam	Condition	
			Model	Conn Size	In Out	Lift Load	In Out		Direction	Strainer	Valve In	Valve Out	Supply Discharge		

Tag#	Outside	Location	Elevation			DUN	25 psig	1/2"		10.0		V	0	0				PL	Recommendation
539		429L		CL		1E	1/2"	1/2"		0 psig			1		M	O			
Route No.				Months/Year		12	Conn Type		Superheat		Transmitter		Temp Alarm		Follow up		Comments		
				Frequency		12			Shutdown Req'd		Receiver		Conductive		Date				
				Installed Date			Check Valve				Critical Trap		Do not monitor						

Tag#	Outside	Location	Elevation			DUN	25 psig	1/2"		10.0		V	0	0				BT	Recommendation	
542		414L		CL		1E	1/2"	1/2"		0 psig			1		M	O				
Route No.				Months/Year		12	Conn Type		Superheat		Transmitter		Temp Alarm		Follow up		Comments			
Steam Cost				Frequency		12			Shutdown Req'd		Receiver		Conductive		Date					
20.00 USD				Annual Cost			Check Valve				Critical Trap		Do not monitor							
				199,110 lb/yr																
				3,982 USD																

Tag#	Outside	Location	Elevation			DUN	25 psig	1/2"		10.0		V	0	0				PL	Recommendation
547		457R		CL		1E	1/2"	1/2"		0 psig			1		M	O			
Route No.				Months/Year		12	Conn Type		Superheat		Transmitter		Temp Alarm		Follow up		Comments		
				Frequency		12			Shutdown Req'd		Receiver		Conductive		Date				
				Installed Date			Check Valve				Critical Trap		Do not monitor						

Tag#	Outside	Location	Elevation			DUN	25 psig	1/2"		10.0		V	0	0				PL	Recommendation
548		457L		CL		1E	1/2"	1/2"		0 psig			1		M	O			
Route No.				Months/Year		12	Conn Type		Superheat		Transmitter		Temp Alarm		Follow up		Comments		
				Frequency		12			Shutdown Req'd		Receiver		Conductive		Date				
				Installed Date			Check Valve				Critical Trap		Do not monitor						

Tag#	Outside	Location	Elevation			DUN	25 psig	1/2"		10.0		V	0	0				PL	Recommendation
549		444L		CL		1E	1/2"	1/2"		0 psig			1		M	O			
Route No.				Months/Year		12	Conn Type		Superheat		Transmitter		Temp Alarm		Follow up		Comments		
				Frequency		12			Shutdown Req'd		Receiver		Conductive		Date				
				Installed Date			Check Valve				Critical Trap		Do not monitor						

## DEFECTIVE TRAP REPORT

## Trap Survey

Date <u>5/23/12</u>		Customer			
Technician		Location <u>Bath VA</u>			
Page <u>16</u> <u>17</u>					
Months/Year	Drip <u>12</u>	Coil <u>12</u>	Tracer <u>12</u>	Process <u>12</u>	

[illegible]

Tag#	Outside	Location	Elevation			DUN	25 psig	1/2"		10.0		V	0	0					PL	Recommendation
559		543		CL		1E	1/2"	1/2"		0 psig			1		M	O				
Route No.				Months/Year	12	Conn Type		Superheat		Transmitter		Temp Alarm		Follow up		Comments				
				Frequency	12			Shutdown Req'd		Receiver		Conductive		Date						
				Installed Date		Check Valve				Critical Trap		Do not monitor								

Tag#	Outside	Location	Elevation				DUN	25 psig	1/2"		10.0		V	0	0			BT				Recommendation	
568		546R		CL			1E	1/2"	1/2"		0 psig		<input type="checkbox"/>		1			M	O				
Route No.		Steam Cost		Steam Loss/Yr		Frequency		Installed Date		Conn Type		Superheat		Transmitter		Temp Alarm		Follow up		Date		Comments	
		20.00 USD		199,110 lb/yr		12				Check Valve		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>							
				3,982 USD						Shutdown Req'd		<input type="checkbox"/>		Receiver		Conductive							
														Critical Trap		Do not monitor							

Tag#	Outside	Location	Elevation			DUN	25 psig	1/2"		10.0		V	0	0		BT			Recommendat
571		EXAM 3		CL		1E	1/2"	1/2"		0 psig			1		M	O			
Route No.		Steam Loss/Yr		Months/Year	12	Conn Type		Superheat	Transmitter		Temp Alarm		Follow up		Date		Comments		
Steam Cost		Annual Cost		Frequency	12	Check Valve		Shutdown Req'd	Receiver		Conductive		Do not monitor						
20.00 USD		199,110 lb/yr		Installed Date					Critical Trap										
		3.982 USD																	

Tag#	Outside	Location	Elevation			ARM	65 psig	1/2"		10.0		V	0	0					PL	Recommendation
575		447		CL		TS-3	1/2"	1/2"		0 psig		<input type="checkbox"/>		1		M	O			
Route No.				Months/Year	12	Conn Type	Superheat <input type="checkbox"/>		Transmitter		Temp Alarm		Follow up		Date		Comments			
				Frequency	12		Shutdown Req'd <input type="checkbox"/>		Receiver		Conductive									
				Installed Date		Check Valve <input type="checkbox"/>			Critical Trap <input type="checkbox"/>		Do not monitor <input type="checkbox"/>									





# DEFECTIVE TRAP REPORT

Trap Survey

Date	5/23/12	Customer	
Technician		Location	Bath VA
Page	17 17		
Months/Year		Drip	12
		Coil	12
		Tracer	12
		Process	12

	Applic ation	Equip	MFR	PMO	Line Sz	Condensate	Pressure	Insulati on	Piping				Steam	Condition	
			Model	Conn Size	In Out	Lift Load	In Out		Direction	Strainer	Valve In	Valve Out	Supply Discharge		

Tag#	Outside	Location	Elevation			DUN	25 psig	1/2"		10.0		V	0	0				PL	Recommendation
589		504B		CL		1E	1/2"	1/2"		0 psig			1		M	O			
Route No.		Months/Year		12	Conn Type		Superheat		Transmitter		Temp Alarm		Follow up		Comments				
		Frequency		12			Shutdown Req'd		Receiver		Conductive		Date						
		Installed Date			Check Valve				Critical Trap		Do not monitor								

Tag#	Outside	Location	Elevation			DUN	25 psig	1/2"		10.0		V	0	0			BT	Recommendation
591		507		CL		1E	1/2"	1/2"		0 psig			1		M	O		
Route No.		Months/Year		12	Conn Type		Superheat		Transmitter		Temp Alarm		Follow up		Comments			
Steam Cost		Frequency		12			Shutdown Req'd		Receiver		Conductive		Date					
20.00 USD		Annual Cost			Check Valve				Critical Trap		Do not monitor							
		Steam Loss/Yr		199,110 lb/yr														
		Annual Cost		3,982 USD														

Tag#	Outside	Location	Elevation			DUN	25 psig	1/2"		10.0		V	0	0			BT	Recommendation
623		521 R		CL		1E	1/2"	1/2"		0 psig			1		M	O		
Route No.		Months/Year		12	Conn Type		Superheat		Transmitter		Temp Alarm		Follow up		Comments			
Steam Cost		Frequency		12			Shutdown Req'd		Receiver		Conductive		Date					
20.00 USD		Annual Cost			Check Valve				Critical Trap		Do not monitor							
		Steam Loss/Yr		199,110 lb/yr														
		Annual Cost		3,982 USD														

Tag#	Outside	Location	Elevation			DUN	25 psig	1/2"		10.0		V	0	0			BT	Recommendation
634		535		CL		1E	1/2"	1/2"		0 psig			1		M	O		
Route No.		Months/Year		12	Conn Type		Superheat		Transmitter		Temp Alarm		Follow up		Comments			
Steam Cost		Frequency		12			Shutdown Req'd		Receiver		Conductive		Date					
20.00 USD		Annual Cost			Check Valve				Critical Trap		Do not monitor							
		Steam Loss/Yr		199,110 lb/yr														
		Annual Cost		3,982 USD														

Tag#	Outside	Location	Elevation			SAR	25 psig	3/4"		10.0		V	0	0	C		FL	Recommendation
89		Bldg 35 Rm 208		CL		T	1/2"	3/4"		0 psig			1		O			unknown
Route No.		Months/Year		7	Conn Type		Superheat		Transmitter		Temp Alarm		Follow up		Comments			
		Frequency		12			Shutdown Req'd		Receiver		Conductive		Date		flooded.trap.comment.other			
		Installed Date			Check Valve				Critical Trap		Do not monitor							

## Trap Recommendations Report

## Trap Survey

Date <u>5/23/12</u>		Customer	
Technician		Location <u>Bath VA</u>	
Page <u>1</u> <u>1</u>			
Months/Year	Drip <u>12</u>	Coil <u>12</u>	Tracer <u>12</u> Process <u>12</u>

				Application	Equip	MFR	PMO	Line Sz	Condensate	Pressure	Insulation	Piping				Steam	Condition				
						Model	Conn Size	In	Lift	In		Direction	Strainer	Valve In	Valve Out	Supply	Discharge				
								Out	Load	Out											

Tag#	Outside	Location	Elevation	DR			HOF	15 psig	3/4"		8.0		V			0	C				FL	Recommendation
027		B-24 TUNNEL DOOR 117				SD	55	3/4"	3/4"		0 psig		<input type="checkbox"/>	1	1			O				NO COMMENTS
Route No.				Months/Year	12	Conn Type			Superheat	<input type="checkbox"/>	Transmitter		Temp Alarm		Follow up Date				Comments			
				Frequency	12				Shutdown Req'd	<input type="checkbox"/>	Receiver		Conductive						flooded.trap.comment.other			
				Installed Date		Check Valve	<input checked="" type="checkbox"/>				Critical Trap	<input type="checkbox"/>	Do not monitor	<input type="checkbox"/>								

Tag#	Outside	Location	Elevation				SAR	25 psig	3/4"		10.0		V	0	0	C			FL		Recommendation
89		Bldg 35 Rm 208		CL			T	1/2"	3/4"		0 psig			1		O					unknown
Route No.				Months/Year	7	Conn Type	Superheat		Transmitter		Temp Alarm		Follow up				Comments				
				Frequency	12		Shutdown Req'd		Receiver		Conductive		Date				flooded.trap.comment.other				
				Installed Date		Check Valve			Critical Trap		Do not monitor										

[illegible][illegible][illegible]



## TERMINOLOGY

<u>TERMS</u>	<u>DESCRIPTION</u>	<u>DEFINITION</u>
TAG NUMBER	Trap identification no.	A sequence of up to 15 alphanumeric characters.
LOCATION	Trap location	General description of the trap location, i.e. Building, Floor, Room, etc.
INSIDE/OUTSIDE	Whether the trap is located within a protective structure or is exposed to the elements.	I=Inside, O=Outside
ELEVATION	Elevation of the trap	Height above/below the floor/ground surface
MFG	Trap manufacturer	A three character designation of the trap manufacturer (e.g. ARM=Armstrong)
MODEL	Trap model number	The model number designated by the trap manufacturer.
TYPE	Generic type of trap	Type designated by single letter, e.g. IB=Inverted Bucket.
CONN SIZE	Connection size	Connection size of the trap (not necessarily the same as the pipe size).
INSPECTION FREQUENCY	Trap inspection schedule	Recommended number of times the trap should be tested in months, (e.g. every ____ months).



## TERMINOLOGY (Continued)

<u>TERMS</u>	<u>DESCRIPTION</u>	<u>DEFINITION</u>
EQUIPMENT	Equipment being serviced	Actual equipment being serviced by the steam trap, e.g. Unit Heater.
P – I	Pressure In	The gauge pressure or nominal pressure on the inlet side of the trap.
P – O	Pressure Out	The gauge pressure or nominal pressure on the outlet side of the trap (also called <i>Back Pressure</i> )
SUP	Supply side of trap	Supply side pressure in terms of C=Constant Supply Pressure; M=Modulating Supply Pressure
RETURN	Discharge side of trap	Discharge side of trap is either C=Closed or O=Open to atmosphere
APP	Application	Application serviced by trap, e.g. DR=Drip Trap, etc.
TIME IN SERVICE	Amount of annual use	The number of hours the trap is under load, expressed in months per year (e.g. 2,160 hours = 3 months).
PIPING	Direction of piping	H=Horizontal, V=Vertical, etc.
V – I	Valve In	Type of valve on inlet side of trap (0=None, 1=on/off, 2=2 or 3 way valve)
V – O	Valve Out	Type of valve on outlet side of trap (0=None, 1=on/off, 2=2 or 3 way valve)
STR	Strainer	Type of strainer ahead of trap, 0=None; 1=Inline; 2=Inline w/blowdown valve
COND. LOAD	Condensate Load	Actual load of condensate at the trap.
COND. LIFT	Condensate Lift	Actual height condensate must be lifted to overhead return.



## TERMINOLOGY (Continued)

<u>TERMS</u>	<u>DESCRIPTION</u>	<u>DEFINITION</u>
INSUL	Insulation Type	Actual type of insulation surrounding pipes and traps, e.g. Asbestos, Calcium Silicate, etc.
CONN. TYPE	Connection Type	Actual trap connection, e.g. SCR=Screwed, FLG=Flanged, etc.
SUPERHEAT	Superheat present	Indicates whether superheat is present at the trap.
SD	Shutdown required	Indicates that system or plant shutdown must be initiated to repair the failed trap.
LINE SIZE IN	Line size in	Nominal size of the inlet line/pipe
LINE SIZE OUT	Line size out	Nominal size of the outlet line/pipe



## TRAP CONDITION

<u>ABBREVIATION</u>	<u>DESCRIPTION</u>	<u>DEFINITION</u>
OK	Good Trap	Trap in normal operating mode.
BT	Blow Through	Trap has failed in an open mode with maximum steam loss. Trap should be repaired or replaced.
LK	Leaking	Trap has failed in a partially open mode with a steam loss of approximately 25% of maximum. Trap should be repaired or replaced.
RC	Rapid Cycling	Disc trap going into failure mode.
PL	Plugged	Trap has failed in a closed position and is backing up condensate. Trap should be repaired or replaced.
FL	Flooded	Trap is assumed to be undersized and unable to handle the condensate load. Trap should be replaced with proper size.
OS	Not in Service	The steam supply line is off and the trap is not in service.
NT	Not Tested	Trap in service but not tested due to inaccessibility, unable to reach, too high, etc.
CD	Cold	A SteamEye trap sensor has reported a low temperature reading.
FT	Fault	A SteamEye trap sensor has reported a monitoring fault condition.