ALLERGAN

Allergan
Irvin CA

STMS v2.1 Survey Reports

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ALLERGAN

Allergan
Irvin CA

Cover Letter

Reports
Potential Steam and
Condensate Loss
Pressure Report
Test Results Per Unit

Failed Traps

Cost of Failed Traps

Cold / Not in Use Traps

Complete Trap List

Replacement Recommendations

Steam Trap Repair Project Cost Estimate

Managed Service Costs	Required Fields
Total Steam Trap cost	$11,018.00
Average Steam Trap Cost	$333.88
Installation Crew Hours Screwed Trap	2.0
Installation Crew Hours Welded Trap	4.0
Labor Cost Crew / hr	$150.00
Supervision / Engineering per / hr	$110.00
Labor /Supervision Per Hr Cost	$260.00
Best Practices Piping Upgrades	$3,856.30
Man Hours Required to Implement Project	66

Site Conditions	Required Fields
Site Trap Population	151
Number of Failed Open Screwed Traps	33
Number of Failed Open Welded /Flanged Traps	0
Number of Failed Closed Screwed Traps	0
Number of Failed Closed Welded /Flanged Traps	0
Corporate Cost of Capital	15%
Total Cost Failed Open Traps	$81,113.73
Percent of Traps not operating correctly	22%
Energy Loss / Failed Trap / Year	$2,457.99
# Traps to be Replaced	33

Annual Energy Loss Avoidance	Trap Failures	Total Equipment Costs	Total Labor & Supervision Cost	Total Project Cost	NPV of Project	IRR	ROI
$81,114	33	$14,874	$17,160	$32,034	$391,064	253%	239%

POTENTIAL STEAM AND CONDENSATE LOSS for Allergan - Irvine CA

Potential Cost Using $13.86 / 1000 lbs

Location	Peak Potential Steam Loss lb/hr	Cost of Lost Steam per hour	Peak Potential Condensate Loss lb/hr	Cost of Lost Condensate per hour	Total Annual Cost	No. of Traps Failed-Open	% of Traps Failed-Open
BL3 BUILDING	243.30	$3.37	0.00	$0.00	$27,192.57	7	4.64
RD 2 BUILDING	159.57	$2.21	0.00	$0.00	$17,835.22	7	4.64
VON KARMAH	131.97	$1.83	0.00	$0.00	$14,750.22	7	4.64
RD 3 BUILDING	106.85	$1.48	0.00	$0.00	$11,942.52	6	3.97
BOILER ROOM	29.52	$0.41	0.00	$0.00	$3,299.42	2	1.32
MAIN PIPE HEADER	29.15	$0.40	0.00	$0.00	$3,258.43	2	1.32
TELLER BUILDING	14.07	$0.19	0.00	$0.00	$1,572.04	1	0.66
BLI BUILDING	11.30	$0.16	0.00	$0.00	$1,263.31	1	0.66
Total	**725.73**	**$10.05**	**0.00**	**$0.00**	**$81,113.73**	**33**	**21.85**

Spirax Sarco Inc
Energy Services

Allergan - Irvine CA
Pressure Report

PSI	Test Results									
	OK	Failed Open	Failed Closed	Rapid Cycle	Cold	Not In Use	Disconnected	Removed	Not Tested	Totals
0 - 12	7	2				20				29
20 - 30	6	3								9
35 - 55	9	9				1				19
60 - 70	38	4				6				48
100 - 125	28	15				3				46
Totals	88	33	0	0	0	30	0	0	0	151
Percentage	58.28%	21.85%	0.00%	0.00%	0.00%	19.87%	0.00%	0.00%	0.00%	100.00%

Spirax Sarco Inc
Energy Services

Allergan - Irvine CA
Test Results Per Unit

Test Results	Units								
	BL3 BUILDING	BLI BUILDING	BOILER ROOM	MAIN PIPE HEADER	RD 2 BUILDING	RD 3 BUILDING	TELLER BUILDING	VON KARMAH	Totals
Ok	8	9	7	2	19	21	2	20	88
Failed Open	7	1	2	2	7	6	1	7	33
Failed Closed									0
Rapid Cycle									0
Cold									0
Not In Use	1				17	9		3	30
Removed									0
Redundant									0
Disconnected									0
Not Tested									0
Totals	16	10	9	4	43	36	3	30	151

Failed Trap List
Allergan - Irvine CA

Trap	Location	Location Detail	Height	Model	Connection Size	Connection Type	Application	Pressure	Condition
4005	BOILER ROOM	WEST WALL ABOVE HOT WATER HEAT EXCHANGER	16'	B1H-180	3/4" (20mm)	Screwed	Drip	120	Failed Open
4009	BOILER ROOM	ABOVE DEAIRATOR TANK	20'	FT14-10	3/4" (20mm)	Screwed	Drip	120	Failed Open
4016	RD 2 BUILDING	PRV NEXT TO FLASH VESSEL	6'	FT14-10	3/4" (20mm)	Screwed	Drip	35	Failed Open
4018	RD 2 BUILDING	EAST SIDE OF HEAT EXCHANGER CV2-1	4'	TD52	3/4" (20mm)	Screwed	Drip	120	Failed Open
4021	RD 2 BUILDING	WEST SIDE OF HEAT EXCHANGER CV2-2	4'	TD52	3/4" (20mm)	Screwed	Drip	120	Failed Open
4023	RD 2 BUILDING	SOUTH OF LOW PRESURE FLAH VESSEL	12'	FT14-10	3/4" (20mm)	Screwed	Drip	12	Failed Open
4036	RD 2 BUILDING	CAGE WASH ROOM PIT FRON STEAM TUNNEL	2'	800-125	3/4" (20mm)	Screwed	Drip	120	Failed Open
4040	RD 2 BUILDING	CAGE WASHER NORTH UNIT	1'	B1125A	3/4" (20mm)	Screwed	Heat Exchanger	60	Failed Open
4041	RD 2 BUILDING	CAGE WASHER MIDDLE UNIT	1'	TD52	1" (25mm)	Screwed	Tank Coil	60	Failed Open
4055	RD 3 BUILDING	MECH ROOM ON RAIL BY SOUTH PRV STATION	1'	B1H-180	3/4" (20mm)	Screwed	Drip	120	Failed Open
4056	RD 3 BUILDING	MECH ROOM ON RAIL BY SOUTH PRV STATION	1'	B1H-180	3/4" (20mm)	Screwed	Drip	70	Failed Open
4057	RD 3 BUILDING	BEHIND CHILLER WATER PIPE CENTER OF ROOM IN MECH ROOM IN MEZ	1'	B1H-180	3/4" (20mm)	Screwed	Drip	70	Failed Open
4058	RD 3 BUILDING	NORTH PRV STATION ON RAIL IN MECH ROOM IN MEX	1'	B1H-180	3/4" (20mm)	Screwed	Drip	25	Failed Open
4059	RD 3 BUILDING	NORTH PRV STATION ON RAIL IN MECH ROOM IN MEX	1'	B1H-180	3/4" (20mm)	Screwed	Drip	25	Failed Open
4089	RD 3 BUILDING	STEAM PIT 1ST FLOOR	1'	B3-180	1" (25mm)	Screwed	Drip	125	Failed Open
4091	VON KARMAH	HIGH PRESSURE SIDE OF PRV STATION	7'	TD52	3/4" (20mm)	Screwed	Drip	120	Failed Open
4092	VON KARMAH	LOW PRESSURE SIDE OF PRV STATION	-1'	FT-150	3/4" (20mm)	Screwed	Drip	5	Failed Open
4093	VON KARMAH	HIGH PRESSURE SIDE OF PRV STATION	4'	TD52	1/2" (15mm)	Screwed	Drip	120	Failed Open
4095	VON KARMAH	BY CONDENSATE PUMP	1'	TD52	1/2" (15mm)	Screwed	Drip	20	Failed Open
4109	VON KARMAH	EAST WALL BY HEAT EXCHANGER -001B	6'	TD52	1/2" (15mm)	Screwed	Air Coil	35	Failed Open
4111	VON KARMAH	DEHUMDIFIER OUTSIDE	5'	125A3	3/4" (20mm)	Screwed	Air Coil	35	Failed Open
4114	VON KARMAH	ELEC ROOM NORTH WALL	10'	TD52	1/2" (15mm)	Screwed	Drip	120	Failed Open
4121	MAIN PIPE HEADER	VOLT #2	-15'	B1H-180	3/4" (20mm)	Screwed	Drip	120	Failed Open
4123	MAIN PIPE HEADER	VOLT #3	-15'	800-125	3/4" (20mm)	Screwed	Drip	120	Failed Open
4125	TELLER BUILDING	ROOF TOP BY LIFT CRANE EAST SIDE	1'	FTI-200	3/4" (20mm)	Screwed	Drip	120	Failed Open

Failed Trap List
Allergan - Irvine CA

Trap	Location	Location Detail	Height	Model	Connection Size	Connection Type	Application	Pressure	Condition
4128	BL3 BUILDING	ON WALL BEHIND CLEAN STEAM GENERATOR	5'	BPT21	1/2" (15mm)	Tri Clamp	Drip	40	Failed Open
4129	BL3 BUILDING	ON WALL BEHIND CLEAN STEAM GENERATOR	6'	BPT21	1/2" (15mm)	Tri Clamp	Drip	40	Failed Open
4131	BL3 BUILDING	WFI STILL ON WALL	1'	BPT21	1/2" (15mm)	Tri Clamp	Drip	120	Failed Open
4132	BL3 BUILDING	WFI STILL ON WALL	1'	BPT21	1/2" (15mm)	Tri Clamp	Drip	120	Failed Open
4133	BL3 BUILDING	WFI STILL ON WALL	1'	FT14HC-4.5	1" (25mm)	Screwed	Tank Coil	40	Failed Open
4139	BL3 BUILDING	BEHIND WFI HEAT EXCHANGER ON WALL	1'	BPT21	1/2" (15mm)	Tri Clamp	Drip	55	Failed Open
4141	BL3 BUILDING	EAST WALL BEIND VE4100 TANK	10'	811-70	3/4" (20mm)	Screwed	Drip	55	Failed Open
4143	BLI BUILDING	ROOM 166 UTILITY ROOM	7'	125A2	1/2" (15mm)	Screwed	Drip	55	Failed Open

COST OF FAILED OPEN TRAPS PER YEAR for Allergan - Irvine CA

	Trap	Total Annual Cost	Model	Manufacturer	Location	Location Detail	Steam and Condensate Loss lb/hr	Hours of Operation
	4089	$8,026.01	B3-180	Spirax	RD 3 BUILDING	STEAM PIT 1ST FLOOR	71.81	8064
	4131	$6,326.58	BPT21	Spirax	BL3 BUILDING	WFI STILL ON WALL	56.61	8064
	4132	$6,326.58	BPT21	Spirax	BL3 BUILDING	WFI STILL ON WALL	56.61	8064
	4018	$4,852.50	TD52	Spirax	RD 2 BUILDING	EAST SIDE OF HEAT EXCHANGER CV2-1	43.42	8064
	4021	$4,852.50	TD52	Spirax	RD 2 BUILDING	WEST SIDE OF HEAT EXCHANGER CV2-2	43.42	8064
	4091	$4,852.50	TD52	Spirax	VON KARMAH	HIGH PRESSURE SIDE OF PRV STATION	43.42	8064
	4133	$4,660.71	FT14HC-4.5	Spirax	BL3 BUILDING	WFI STILL ON WALL	41.70	8064
	4041	$4,023.05	TD52	Spirax	RD 2 BUILDING	CAGE WASHER MIDDLE UNIT	35.99	8064
	4093	$3,412.05	TD52	Spirax	VON KARMAH	HIGH PRESSURE SIDE OF PRV STATION	30.53	8064
	4114	$3,412.05	TD52	Spirax	VON KARMAH	ELEC ROOM NORTH WALL	30.53	8064
	4139	$3,139.46	BPT21	Spirax	BL3 BUILDING	BEHIND WFI HEAT EXCHANGER ON WALL	28.09	8064
	4128	$2,385.36	BPT21	Spirax	BL3 BUILDING	ON WALL BEHIND CLEAN STEAM GENERATOR	21.34	8064
	4129	$2,385.36	BPT21	Spirax	BL3 BUILDING	ON WALL BEHIND CLEAN STEAM GENERATOR	21.34	8064
	4141	$1,968.50	811-70	Armstrong	BL3 BUILDING	EAST WALL BEIND VE4100 TANK	17.61	8064
	4009	$1,874.70	FT14-10	Spirax	BOILER ROOM	ABOVE DEAIRATOR TANK	16.77	8064
	4036	$1,833.71	800-125	Armstrong	RD 2 BUILDING	CAGE WASH ROOM PIT FRON STEAM TUNNEL	16.41	8064
	4123	$1,833.71	800-125	Armstrong	MAIN PIPE HEADER	VOLT #3	16.41	8064
	4125	$1,572.04	FTI-200	Spirax	TELLER BUILDING	ROOF TOP BY LIFT CRANE EAST SIDE	14.07	8064
	4005	$1,424.72	B1H-180	Spirax	BOILER ROOM	WEST WALL ABOVE HOT WATER HEAT EXCHANGER	12.75	8064
	4055	$1,424.72	B1H-180	Spirax	RD 3 BUILDING	MECH ROOM ON RAIL BY SOUTH PRV STATION	12.75	8064
	4121	$1,424.72	B1H-180	Spirax	MAIN PIPE HEADER	VOLT #2	12.75	8064
	4040	$1,363.54	B1125A	Hoffman	RD 2 BUILDING	CAGE WASHER NORTH UNIT	12.20	8064
	4143	$1,263.31	125A2	Armstrong	BLI BUILDING	ROOM 166 UTILITY ROOM	11.30	8064
	4109	$1,151.99	TD52	Spirax	VON KARMAH	EAST WALL BY HEAT EXCHANGER -001B	10.31	8064
	4056	$876.17	B1H-180	Spirax	RD 3 BUILDING	MECH ROOM ON RAIL BY SOUTH PRV STATION	7.84	8064
	4057	$876.17	B1H-180	Spirax	RD 3 BUILDING	BEHIND CHILLER WATER PIPE CENTER OF ROOM IN MECH ROOM IN MEZ	7.84	8064
	4111	$858.93	125A3	Armstrong	VON KARMAH	DEHUMDIFIER OUTSIDE	7.68	8064
	4095	$752.56	TD52	Spirax	VON KARMAH	BY CONDENSATE PUMP	6.73	8064
	4016	$632.94	FT14-10	Spirax	RD 2 BUILDING	PRV NEXT TO FLASH VESSEL	5.66	8064
	4058	$369.72	B1H-180	Spirax	RD 3 BUILDING	NORTH PRV STATION ON RAIL IN MECH ROOM IN MEX	3.31	8064
	4059	$369.72	B1H-180	Spirax	RD 3 BUILDING	NORTH PRV STATION ON RAIL IN MECH ROOM IN MEX	3.31	8064
	4092	$310.15	FT-150	Spirax	VON KARMAH	LOW PRESSURE SIDE OF PRV STATION	2.77	8064
	4023	$276.97	FT14-10	Spirax	RD 2 BUILDING	SOUTH OF LOW PRESURE FLAH VESSEL	2.48	8064
Total	**33 Traps**	**$81,113.70**						

Cold / Not in Use Trap List
Allergan - Irvine CA

Verify pressure prior to ordering / changing trap

Trap	Location	Location Detail	Height	Model	Connection Size	Connection Type	Application	Pressure	Condition
4015	RD 2 BUILDING	ABOVE FLASH VESSEL	7'	FT-30	2" (50mm)	Screwed	Heat Exchanger	12	Not In Use
4019	RD 2 BUILDING	HEAT EXCHANGER CV-2-1	3'	FT-30	2" (50mm)	Screwed	Heat Exchanger	12	Not In Use
4020	RD 2 BUILDING	HEAT EXCHANGER CV-2-2	4'	FT-30	1 1/2" (40mm)	Screwed	Heat Exchanger	12	Not In Use
4025	RD 2 BUILDING	ROOF TOP ON HUMDIFIER #2	2'	40-515	1 1/4" (32mm)	Screwed	HUMDIFIER	12	Not In Use
4026	RD 2 BUILDING	ROOF TOP ON HUMDIFIER #2	2'	40-515	1 1/4" (32mm)	Screwed	HUMDIFIER	12	Not In Use
4027	RD 2 BUILDING	ROOF TOP ON HUMDIFIER #4	2'	40-515	1 1/4" (32mm)	Screwed	HUMDIFIER	12	Not In Use
4028	RD 2 BUILDING	ROOF TOP ON HUMDIFIER #4	2'	40-515	1 1/4" (32mm)	Screwed	HUMDIFIER	12	Not In Use
4029	RD 2 BUILDING	ROOF TOP ON HUMDIFIER #4	1'	FT-150	3/4" (20mm)	Screwed	Drip	12	Not In Use
4030	RD 2 BUILDING	ROOF TOP ON HUMDIFIER #1	2'	40-215	3/4" (20mm)	Screwed	HUMDIFIER	12	Not In Use
4031	RD 2 BUILDING	ROOF TOP ON HUMDIFIER #1	2'	40-215	3/4" (20mm)	Screwed	HUMDIFIER	12	Not In Use
4032	RD 2 BUILDING	ROOF TOP ON HUMDIFIER #3	2'	40-215	3/4" (20mm)	Screwed	HUMDIFIER	12	Not In Use
4033	RD 2 BUILDING	ROOF TOP ON HUMDIFIER #3	2'	40-215	3/4" (20mm)	Screwed	HUMDIFIER	12	Not In Use
4049	RD 2 BUILDING	3THD FLOOR GLASS WASHER #5	1'	N-125	1/2" (15mm)	Screwed	Sterilizer	60	Not In Use
4050	RD 2 BUILDING	3THD FLOOR GLASS WASHER #5	1'	N-125	3/4" (20mm)	Screwed	Sterilizer	60	Not In Use
4051	RD 2 BUILDING	3THD FLOOR GLASS WASHER #4	1'	N-125	3/4" (20mm)	Screwed	Tank Coil	60	Not In Use
4052	RD 2 BUILDING	3THD FLOOR GLASS WASHER #4	1'	N-125	3/4" (20mm)	Screwed	Tank Coil	60	Not In Use
4053	RD 2 BUILDING	FRYMA MACHINE	1'	BK 45	3/4" (20mm)	Screwed	Heat Exchanger	60	Not In Use
4054	RD 3 BUILDING	MECH ROOM IN MEZ RIGHT SIDE OF DOOR	6'	B1H-180	3/4" (20mm)	Screwed	Drip	70	Not In Use
4069	RD 3 BUILDING	ROOF TOP WEST WALL HUMDIFIR 5A	3'	40-515	1 1/4" (32mm)	Screwed	HUMDIFIER	12	Not In Use
4070	RD 3 BUILDING	ROOF TOP WEST WALL HUMDIFIR 5A	3'	40-515	1 1/4" (32mm)	Screwed	HUMDIFIER	12	Not In Use
4071	RD 3 BUILDING	ROOF TOP WEST WALL HUMDIFIR 5B	3'	40-515	1 1/4" (32mm)	Screwed	HUMDIFIER	12	Not In Use
4072	RD 3 BUILDING	ROOF TOP WEST WALL HUMDIFIR 5B	3'	40-515	1 1/4" (32mm)	Screwed	HUMDIFIER	12	Not In Use
4073	RD 3 BUILDING	ROOF TOP WEST WALL HUMDIFIER 4A	3'	40-515	1 1/4" (32mm)	Screwed	HUMDIFIER	12	Not In Use
4074	RD 3 BUILDING	ROOF TOP WEST WALL HUMDIFIER 4A	3'	40-515	1 1/4" (32mm)	Screwed	HUMDIFIER	12	Not In Use
4075	RD 3 BUILDING	ROOF TOP WEST WALL HUMDIFIER 4B	3'	40-515	1 1/4" (32mm)	Screwed	HUMDIFIER	12	Not In Use
4076	RD 3 BUILDING	ROOF TOP WEST WALL HUMDIFIER 4B	3'	40-515	1 1/4" (32mm)	Screwed	HUMDIFIER	12	Not In Use
4117	VON KARMAH	BELOW PRV OF NEW CLEAN STEAM GENERATOR ROOM	1'	216-125	2" (50mm)	Screwed	STEAM GENERATOR	120	Not In Use
4118	VON KARMAH	BELOW PRV OF NEW CLEAN STEAM GENERATOR ROOM	1'	BT6	1/2" (15mm)	Tri Clamp	Drip	120	Not In Use
4119	VON KARMAH	WEST WALL BY HOSE REEL	5'	BT6	1" (25mm)	Tri Clamp	Drip	120	Not In Use
4137	BL3 BUILDING	SOUTH OF VE 7100 WFI STORAGE	1'	BTD52L	3/8" (10mm)	Tri Clamp	Drip	55	Not In Use

Complete Trap List
Allergan - Irvine CA

Trap	Location	Location Detail	Height	Model	Connection Size	Connection Type	Orifice Size	Application	Pressure	Condition
4001	BOILER ROOM	HOT WATER HEAT EXCHANGER	11'	FTB-175	2" (50mm)	Screwed	0.500" (12.7mm)	Heat Exchanger	60	OK
4002	BOILER ROOM	ABOVE HOT WATER HEAT EXCHANGER	11'	FTB-175	2" (50mm)	Screwed	0.500" (12.7mm)	Heat Exchanger	60	OK
4003	BOILER ROOM	WEST WALL ABOVE HOT WATER HEAT EXCHANGER	14'	FT14-10	3/4" (20mm)	Screwed	0.11" (2.73mm)	Drip	120	OK
4004	BOILER ROOM	WEST WALL ABOVE HOT WATER HEAT EXCHANGER	16'	FTI-200	3/4" (20mm)	Screwed	0.10" (2.5mm)	Drip	120	OK
4005	BOILER ROOM	WEST WALL ABOVE HOT WATER HEAT EXCHANGER	16'	B1H-180	3/4" (20mm)	Screwed	0.094" (2.38mm)	Drip	120	Failed Open
4006	BOILER ROOM	WEST WALL BELOW prv STATION	16'	UTD52L	3/4" (20mm)	Screwed	0.096" (2.44mm)	Drip	120	OK
4007	BOILER ROOM	WEST WALL BELOW prv STATION	18'	UTD52L	3/4" (20mm)	Screwed	0.096" (2.44mm)	Drip	120	OK
4008	BOILER ROOM	WEST WALL BELOW prv STATION	8'	UTD52L	3/4" (20mm)	Screwed	0.096" (2.44mm)	Drip	120	OK
4009	BOILER ROOM	ABOVE DEAIRATOR TANK	20'	FT14-10	3/4" (20mm)	Screwed	0.11" (2.73mm)	Drip	120	Failed Open
4010	MAIN PIPE HEADER	TO BLI BLD	1'	800-125	3/4" (20mm)	Screwed	0.11" (2.7mm)	Drip	120	OK
4011	RD 2 BUILDING	MECH ROOM 2ND FLOOR BY PRV STATION BY DOOR	2'	FT14-10	3/4" (20mm)	Screwed	0.11" (2.73mm)	Drip	120	OK
4012	RD 2 BUILDING	MECH ROOM 2ND FLOOR BY PRV STATION BY DOOR	2'	FT14-10	3/4" (20mm)	Screwed	0.11" (2.73mm)	Drip	120	OK
4013	RD 2 BUILDING	HEAT EXCHANGER CV-1-2	4'	FT-30	2" (50mm)	Screwed	0.500" (12.7mm)	Heat Exchanger	30	OK
4014	RD 2 BUILDING	FLASCH VESSEL	3'	FT14-10	3/4" (20mm)	Screwed	0.11" (2.73mm)	FLASH VESSEL	12	OK
4015	RD 2 BUILDING	ABOVE FLASH VESSEL	7'	FT-30	2" (50mm)	Screwed	0.500" (12.7mm)	Heat Exchanger	12	Not In Use
4016	RD 2 BUILDING	PRV NEXT TO FLASH VESSEL	6'	FT14-10	3/4" (20mm)	Screwed	0.11" (2.73mm)	Drip	35	Failed Open
4017	RD 2 BUILDING	BETWEEN FLASH VESEL	6'	FT-30	3/4" (20mm)	Screwed	0.218" (5.54mm)	Drip	12	OK
4018	RD 2 BUILDING	EAST SIDE OF HEAT EXCHANGER CV2-1	4'	TD52	3/4" (20mm)	Screwed	0.173" (4.39mm)	Drip	120	Failed Open
4019	RD 2 BUILDING	HEAT EXCHANGER CV-2-1	3'	FT-30	2" (50mm)	Screwed	0.500" (12.7mm)	Heat Exchanger	12	Not In Use
4020	RD 2 BUILDING	HEAT EXCHANGER CV-2-2	4'	FT-30	1 1/2" (40mm)	Screwed	0.390" (9.91mm)	Heat Exchanger	12	Not In Use
4021	RD 2 BUILDING	WEST SIDE OF HEAT EXCHANGER CV2-2	4'	TD52	3/4" (20mm)	Screwed	0.173" (4.39mm)	Drip	120	Failed Open
4022	RD 2 BUILDING	WEST SIDE LOW PRESSURE FLASH VESSEL	2'	FT-30	2" (50mm)	Screwed	0.500" (12.7mm)	FLASH VESSEL	12	OK
4023	RD 2 BUILDING	SOUTH OF LOW PRESURE FLAH VESSEL	12'	FT14-10	3/4" (20mm)	Screwed	0.11" (2.73mm)	Drip	12	Failed Open
4024	RD 2 BUILDING	ABOVE ENTRANCE DOOR TO MECH ROOM	10'	FT14-10	3/4" (20mm)	Screwed	0.11" (2.73mm)	Drip	12	OK
4025	RD 2 BUILDING	ROOF TOP ON HUMDIFIER #2	2'	40-515	1 1/4" (32mm)	Screwed	.344" (8.74mm)	HUMDIFIER	12	Not In Use

Complete Trap List
Allergan - Irvine CA

Trap	Location	Location Detail	Height	Model	Connection Size	Connection Type	Orifice Size	Application	Pressure	Condition
4026	RD 2 BUILDING	ROOF TOP ON HUMDIFIER #2	2'	40-515	1 1/4" (32mm)	Screwed	.344" (8.74mm)	HUMDIFIER	12	Not In Use
4027	RD 2 BUILDING	ROOF TOP ON HUMDIFIER #4	2'	40-515	1 1/4" (32mm)	Screwed	.344" (8.74mm)	HUMDIFIER	12	Not In Use
4028	RD 2 BUILDING	ROOF TOP ON HUMDIFIER #4	2'	40-515	1 1/4" (32mm)	Screwed	.344" (8.74mm)	HUMDIFIER	12	Not In Use
4029	RD 2 BUILDING	ROOF TOP ON HUMDIFIER #4	1'	FT-150	3/4" (20mm)	Screwed	0.152" (3.86mm)	Drip	12	Not In Use
4030	RD 2 BUILDING	ROOF TOP ON HUMDIFIER #1	2'	40-215	3/4" (20mm)	Screwed	0.250" (6.35mm)	HUMDIFIER	12	Not In Use
4031	RD 2 BUILDING	ROOF TOP ON HUMDIFIER #1	2'	40-215	3/4" (20mm)	Screwed	0.250" (6.35mm)	HUMDIFIER	12	Not In Use
4032	RD 2 BUILDING	ROOF TOP ON HUMDIFIER #3	2'	40-215	3/4" (20mm)	Screwed	0.250" (6.35mm)	HUMDIFIER	12	Not In Use
4033	RD 2 BUILDING	ROOF TOP ON HUMDIFIER #3	2'	40-215	3/4" (20mm)	Screwed	0.250" (6.35mm)	HUMDIFIER	12	Not In Use
4034	RD 2 BUILDING	ROOF TOP WEST PIPE RACK	18'	B1H-180	3/4" (20mm)	Screwed	0.094" (2.38mm)	Drip	120	OK
4035	RD 2 BUILDING	CAGE WASH ROOM PIT FRON STEAM TUNNEL	4'	800-125	3/4" (20mm)	Screwed	0.11" (2.7mm)	Drip	120	OK
4036	RD 2 BUILDING	CAGE WASH ROOM PIT FRON STEAM TUNNEL	2'	800-125	3/4" (20mm)	Screwed	0.11" (2.7mm)	Drip	120	Failed Open
4037	RD 2 BUILDING	TUNNEL WASHER SOUTH	1'	TD52	3/4" (20mm)	Screwed	0.173" (4.39mm)	Drip	60	OK
4038	RD 2 BUILDING	TUNNEL WASHER MIDDLE UNIT	1'	1010-80	3/4" (20mm)	Screwed	0.125" (3.18mm)	Tank Coil	60	OK
4039	RD 2 BUILDING	TUNNEL WASHER NORTH	1'	TD52	3/4" (20mm)	Screwed	0.173" (4.39mm)	Tank Coil	60	OK
4040	RD 2 BUILDING	CAGE WASHER NORTH UNIT	1'	B1125A	3/4" (20mm)	Screwed	0.125" (3.18mm)	Heat Exchanger	60	Failed Open
4041	RD 2 BUILDING	CAGE WASHER MIDDLE UNIT	1'	TD52	1" (25mm)	Screwed	.215" (5.46mm)	Tank Coil	60	Failed Open
4042	RD 2 BUILDING	CAGE WASHE SOUTH UNIT	1'	TD52	3/4" (20mm)	Screwed	0.173" (4.39mm)	Drip	60	OK
4043	RD 2 BUILDING	DUGESTOR ROOM	3'	B1075A	3/4" (20mm)	Screwed	.156" (3.96mm)	Drip	60	OK
4044	RD 2 BUILDING	DIGESTOR ROOM TANK	1'	1010-80	3/4" (20mm)	Screwed	0.125" (3.18mm)	Tank Coil	60	OK
4045	RD 2 BUILDING	WATER ROOM EAST WALL INDUSTRIAL HEAT EXCHANGER	3'	FTB-175	2" (50mm)	Screwed	0.500" (12.7mm)	Heat Exchanger	60	OK
4046	RD 2 BUILDING	WATER ROOM EAST WALL INDUSTRIAL HEAT EXCHANGER	3'	FTB-175	2" (50mm)	Screwed	0.500" (12.7mm)	Heat Exchanger	60	OK
4047	RD 2 BUILDING	WATER ROOM DOMESTIC HOT WATER HEAT EXCHANGER	3'	FTB-175	2" (50mm)	Screwed	0.500" (12.7mm)	Heat Exchanger	60	OK
4048	RD 2 BUILDING	WATER ROOM ON WALL BEHIND ON HEAT EXCHANGER	3'	FTI-200	1/2" (15mm)	Screwed	0.10" (2.5mm)	Drip	60	OK
4049	RD 2 BUILDING	3THD FLOOR GLASS WASHER #5	1'	N-125	1/2" (15mm)	Screwed	0.250" (6.35mm)	Sterilizer	60	Not In Use
4050	RD 2 BUILDING	3THD FLOOR GLASS WASHER #5	1'	N-125	3/4" (20mm)	Screwed	0.250" (6.35mm)	Sterilizer	60	Not In Use
4051	RD 2 BUILDING	3THD FLOOR GLASS WASHER #4	1'	N-125	3/4" (20mm)	Screwed	0.250" (6.35mm)	Tank Coil	60	Not In Use
4052	RD 2 BUILDING	3THD FLOOR GLASS WASHER #4	1'	N-125	3/4" (20mm)	Screwed	0.250" (6.35mm)	Tank Coil	60	Not In Use

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Trap	Location	Location Detail	Height	Model	Connection Size	Connection Type	Orifice Size	Application	Pressure	Condition
4053	RD 2 BUILDING	FRYMA MACHINE	1'	BK 45	3/4" (20mm)	Screwed	0.14" (3.68mm)	Heat Exchanger	60	Not In Use
4054	RD 3 BUILDING	MECH ROOM IN MEZ RIGHT SIDE OF DOOR	6'	B1H-180	3/4" (20mm)	Screwed	0.094" (2.38mm)	Drip	70	Not In Use
4055	RD 3 BUILDING	MECH ROOM ON RAIL BY SOUTH PRV STATION	1'	B1H-180	3/4" (20mm)	Screwed	0.094" (2.38mm)	Drip	120	Failed Open
4056	RD 3 BUILDING	MECH ROOM ON RAIL BY SOUTH PRV STATION	1'	B1H-180	3/4" (20mm)	Screwed	0.094" (2.38mm)	Drip	70	Failed Open
4057	RD 3 BUILDING	BEHIND CHILLER WATER PIPE CENTER OF ROOM IN MECH ROOM IN MEZ	1'	B1H-180	3/4" (20mm)	Screwed	0.094" (2.38mm)	Drip	70	Failed Open
4058	RD 3 BUILDING	NORTH PRV STATION ON RAIL IN MECH ROOM IN MEX	1'	B1H-180	3/4" (20mm)	Screwed	0.094" (2.38mm)	Drip	25	Failed Open
4059	RD 3 BUILDING	NORTH PRV STATION ON RAIL IN MECH ROOM IN MEX	1'	B1H-180	3/4" (20mm)	Screwed	0.094" (2.38mm)	Drip	25	Failed Open
4060	RD 3 BUILDING	HEAT EXCHANGER INDUSTRIAL - 02	1'	FTB-175	2" (50mm)	Screwed	0.500" (12.7mm)	Heat Exchanger	25	OK
4061	RD 3 BUILDING	HEAT EXCHANGER INDUSTRIAL - 02	1'	FTB-175	2" (50mm)	Screwed	0.500" (12.7mm)	Heat Exchanger	25	OK
4062	RD 3 BUILDING	HEAT EXCHANGER INDUSTRIAL - 01	1'	FTB-175	2" (50mm)	Screwed	0.500" (12.7mm)	Heat Exchanger	25	OK
4063	RD 3 BUILDING	HEAT EXCHANGER INDUSTRIAL - 01	1'	FTB-175	2" (50mm)	Screwed	0.500" (12.7mm)	Heat Exchanger	25	OK
4064	RD 3 BUILDING	EAST OF HEAT ECHANGER 01	6'	B1H-180	3/4" (20mm)	Screwed	0.094" (2.38mm)	Drip	70	OK
4065	RD 3 BUILDING	ABOVE OFFICE AREA IN MEZ AREA	3'	B1H-180	3/4" (20mm)	Screwed	0.094" (2.38mm)	Drip	70	OK
4066	RD 3 BUILDING	ROOF TOP WEST PIPE RACK	7'	B1H-180	3/4" (20mm)	Screwed	0.094" (2.38mm)	Drip	120	OK
4067	RD 3 BUILDING	ROOF TOP SW CORNER BY PRV STATION	5'	B1H-180	3/4" (20mm)	Screwed	0.094" (2.38mm)	Drip	120	OK
4068	RD 3 BUILDING	ROOF TOP SW CORNER BY PRV STATION	2'	B1H-180	3/4" (20mm)	Screwed	0.094" (2.38mm)	Drip	70	OK
4069	RD 3 BUILDING	ROOF TOP WEST WALL HUMDIFIR 5A	3'	40-515	1 1/4" (32mm)	Screwed	.344" (8.74mm)	HUMDIFIER	12	Not In Use
4070	RD 3 BUILDING	ROOF TOP WEST WALL HUMDIFIR 5A	3'	40-515	1 1/4" (32mm)	Screwed	.344" (8.74mm)	HUMDIFIER	12	Not In Use
4071	RD 3 BUILDING	ROOF TOP WEST WALL HUMDIFIR 5B	3'	40-515	1 1/4" (32mm)	Screwed	.344" (8.74mm)	HUMDIFIER	12	Not In Use
4072	RD 3 BUILDING	ROOF TOP WEST WALL HUMDIFIR 5B	3'	40-515	1 1/4" (32mm)	Screwed	.344" (8.74mm)	HUMDIFIER	12	Not In Use
4073	RD 3 BUILDING	ROOF TOP WEST WALL HUMDIFIER 4A	3'	40-515	1 1/4" (32mm)	Screwed	.344" (8.74mm)	HUMDIFIER	12	Not In Use
4074	RD 3 BUILDING	ROOF TOP WEST WALL HUMDIFIER 4A	3'	40-515	1 1/4" (32mm)	Screwed	.344" (8.74mm)	HUMDIFIER	12	Not In Use
4075	RD 3 BUILDING	ROOF TOP WEST WALL HUMDIFIER 4B	3'	40-515	1 1/4" (32mm)	Screwed	.344" (8.74mm)	HUMDIFIER	12	Not In Use
4076	RD 3 BUILDING	ROOF TOP WEST WALL HUMDIFIER 4B	3'	40-515	1 1/4" (32mm)	Screwed	.344" (8.74mm)	HUMDIFIER	12	Not In Use
4077	RD 3 BUILDING	CAGE WASH HEAT EXCHANGER	3'	MK 45/2	1" (25mm)	Screwed	0.20" (5mm)	Heat Exchanger	70	OK
4078	RD 3 BUILDING	CAGE WASH HEAT EXCHANGER	3'	MK 45/2	1" (25mm)	Screwed	0.20" (5mm)	Drip	70	OK
4079	RD 3 BUILDING	TUNNEL WASH	6'	MK 45/2	1" (25mm)	Screwed	0.20" (5mm)	Heat Exchanger	70	OK

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4080	RD 3 BUILDING	TUNNEL WASH	6'	B4-180	1 1/4" (32mm)	Screwed	0.281" (7.14mm)	Drip	70	OK
4081	RD 3 BUILDING	EAST SIDE TO TUNNEL WASH	8'	FT-30	2" (50mm)	Screwed	0.500" (12.7mm)	Drip	12	OK
4082	RD 3 BUILDING	GLASS WASH MECH ROOM	6'	FT-30	2" (50mm)	Screwed	0.500" (12.7mm)	Drip	12	OK
4083	RD 3 BUILDING	GLAS WASH MECH ROOM STERLIIZER 002	1'	MST21	1/2" (15mm)	Tri Clamp	0.08" (2mm)	Sterilizer	30	OK
4084	RD 3 BUILDING	GLASS WASHER # 232169	1'	MST21	1/2" (15mm)	Tri Clamp	0.08" (2mm)	Sterilizer	70	OK
4085	RD 3 BUILDING	GLASS WASHER # 232169	1'	MST21	1/2" (15mm)	Tri Clamp	0.08" (2mm)	Sterilizer	70	OK
4086	RD 3 BUILDING	GLASS WASHER # 232169	1'	MST21	1/2" (15mm)	Tri Clamp	0.08" (2mm)	Sterilizer	70	OK
4087	RD 3 BUILDING	STEAM PIT 1ST FLOOR	1'	B1H-180	3/4" (20mm)	Screwed	0.094" (2.38mm)	Drip	125	OK
4088	RD 3 BUILDING	STEAM PIT 1ST FLOOR	1'	B1H-180	3/4" (20mm)	Screwed	0.094" (2.38mm)	Drip	125	OK
4089	RD 3 BUILDING	STEAM PIT 1ST FLOOR	1'	B3-180	1" (25mm)	Screwed	0.218" (5.54mm)	Drip	125	Failed Open
4090	VON KARMAH	MECH ROOM ABOVE PRV STATION	10'	TD52	3/4" (20mm)	Screwed	0.173" (4.39mm)	Drip	10	OK
4091	VON KARMAH	HIGH PRESSURE SIDE OF PRV STATION	7'	TD52	3/4" (20mm)	Screwed	0.173" (4.39mm)	Drip	120	Failed Open
4092	VON KARMAH	LOW PRESSURE SIDE OF PRV STATION	1'	FT-150	3/4" (20mm)	Screwed	0.152" (3.86mm)	Drip	5	Failed Open
4093	VON KARMAH	HIGH PRESSURE SIDE OF PRV STATION	4'	TD52	1/2" (15mm)	Screwed	.145" (3.68mm)	Drip	120	Failed Open
4094	VON KARMAH	HEAT EXCHANGER	4'	FT14-10	2" (50mm)	Screwed	0.500" (12.7mm)	Heat Exchanger	120	OK
4095	VON KARMAH	BY CONDENSATE PUMP	1'	TD52	1/2" (15mm)	Screwed	.145" (3.68mm)	Drip	20	Failed Open
4096	VON KARMAH	CLENA STEAMN GENERATOR	6'	FT075H	3/4" (20mm)	Screwed	0.166" (4.22mm)	STEAM GENERATOR	60	OK
4097	VON KARMAH	CLEAN STEAM GENERATOR EAST WALL	1'	800-80	3/4" (20mm)	Screwed	0.125" (3.18mm)	STEAM GENERATOR	60	OK
4098	VON KARMAH	BOTTOM OF STEAM GENERATOR #1	1'	213-60	3/4" (20mm)	Screwed	0.312" (7.92mm)	SEPARATOR	60	OK
4099	VON KARMAH	EAST OF DISTILLERATOR ON WALL	1'	800-80	3/4" (20mm)	Screwed	0.125" (3.18mm)	Drip	60	OK
4100	VON KARMAH	EAST OF DISTILLERATOR ON WALL	1'	800-80	3/4" (20mm)	Screwed	0.125" (3.18mm)	Drip	60	OK
4101	VON KARMAH	HEAT EXCHANGER -002B	1'	FT-150	1 1/4" (32mm)	Screwed	0.250" (6.35mm)	Heat Exchanger	60	OK
4102	VON KARMAH	HEAT EXCHANGER -001B	1'	FT14-10	3/4" (20mm)	Screwed	0.11" (2.73mm)	Heat Exchanger	60	OK
4103	VON KARMAH	EAST WALL BY HEAT EXCHANGER -001B	6'	FT-150	3/4" (20mm)	Screwed	0.152" (3.86mm)	Drip	60	OK
4104	VON KARMAH	EAST WALL BY HEAT EXCHANGER -001B	8'	TD52	3/4" (20mm)	Screwed	0.173" (4.39mm)	Drip	60	OK
4105	VON KARMAH	EAST WALL BY HEAT EXCHANGER -001B	4'	TD52	3/4" (20mm)	Screwed	0.173" (4.39mm)	Drip	60	OK
4106	VON KARMAH	EAST WALL BY HEAT EXCHANGER -001B	6'	FT-150	3/4" (20mm)	Screwed	0.152" (3.86mm)	Drip	60	OK
4107	VON KARMAH	TOP OF DISTILLER NORTH DSDIE	7'	BT6	1/2" (15mm)	Tri Clamp	0.22" (5.5mm)	Drip	60	OK
4108	VON KARMAH	BOTTOM OF DISTILLERATOR	1'	TD52	1/2" (15mm)	Screwed	.145" (3.68mm)	Tank Coil	60	OK
4109	VON KARMAH	EAST WALL BY HEAT EXCHANGER -001B	6'	TD52	1/2" (15mm)	Screwed	.145" (3.68mm)	Air Coil	35	Failed Open
4110	VON KARMAH	DEHUMDIFIER OUTSIDE	5'	125A3	3/4" (20mm)	Screwed	0.125" (3.18mm)	Air Coil	35	OK

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Trap	Location	Location Detail	Height	Model	Connection Size	Connection Type	Orifice Size	Application	Pressure	Condition
4111	VON KARMAH	DEHUMDIFIER OUTSIDE	5'	125A3	3/4" (20mm)	Screwed	0.125" (3.18mm)	Air Coil	35	Failed Open
4112	VON KARMAH	DEHUMDIFIER OUTSIDE	5'	125A3	3/4" (20mm)	Screwed	0.125" (3.18mm)	Air Coil	35	OK
4113	VON KARMAH	DEHUMDIFIER OUTSIDE	4'	811-70	3/4" (20mm)	Screwed	0.156" (3.97mm)	Air Coil	60	OK
4114	VON KARMAH	ELEC ROOM NORTH WALL	10'	TD52	1/2" (15mm)	Screwed	.145" (3.68mm)	Drip	120	Failed Open
4115	VON KARMAH	BELOW PRV OF NEW CLEAN STEAM GENERATOR ROOM	2'	800-125	1/2" (15mm)	Screwed	0.11" (2.7mm)	Drip	120	OK
4116	VON KARMAH	BELOW PRV OF NEW CLEAN STEAM GENERATOR ROOM	2'	811-125	1/2" (15mm)	Screwed	0.125" (3.18mm)	Drip	120	OK
4117	VON KARMAH	BELOW PRV OF NEW CLEAN STEAM GENERATOR ROOM	1'	216-125	2" (50mm)	Screwed	0.500" (12.7mm)	STEAM GENERATOR	120	Not In Use
4118	VON KARMAH	BELOW PRV OF NEW CLEAN STEAM GENERATOR ROOM	1'	BT6	1/2" (15mm)	Tri Clamp	0.22" (5.5mm)	Drip	120	Not In Use
4119	VON KARMAH	WEST WALL BY HOSE REEL	5'	BT6	1" (25mm)	Tri Clamp	0.22" (5.5mm)	Drip	120	Not In Use
4121	MAIN PIPE HEADER	VOLT #2	-15'	B1H-180	3/4" (20mm)	Screwed	0.094" (2.38mm)	Drip	120	Failed Open
4122	MAIN PIPE HEADER	VOLT #1	-15'	800-125	3/4" (20mm)	Screwed	0.11" (2.7mm)	Drip	120	OK
4123	MAIN PIPE HEADER	VOLT #3	-15'	800-125	3/4" (20mm)	Screwed	0.11" (2.7mm)	Drip	120	Failed Open
4124	TELLER BUILDING	ROOF TOPNW SIDE	3'	FTI-200	3/4" (20mm)	Screwed	0.10" (2.5mm)	Drip	120	OK
4125	TELLER BUILDING	ROOF TOP BY LIFT CRANE EAST SIDE	1'	FTI-200	3/4" (20mm)	Screwed	0.10" (2.5mm)	Drip	120	Failed Open
4126	TELLER BUILDING	ROOF TOP BY LIFT CRANE EAST SIDE	1'	800-125	3/4" (20mm)	Screwed	0.11" (2.7mm)	Drip	120	OK
4127	BL3 BUILDING	CLEAN STEAM GENERATOR EAST WALL	2'	FT14HC-4.5	1" (25mm)	Screwed	0.28" (7mm)	STEAM GENERATOR	40	OK
4128	BL3 BUILDING	ON WALL BEHIND CLEAN STEAM GENERATOR	5'	BPT21	1/2" (15mm)	Tri Clamp	0.20" (5mm)	Drip	40	Failed Open
4129	BL3 BUILDING	ON WALL BEHIND CLEAN STEAM GENERATOR	6'	BPT21	1/2" (15mm)	Tri Clamp	0.20" (5mm)	Drip	40	Failed Open
4130	BL3 BUILDING	WFI STILL ON WALL	6'	FT14HC-10	1" (25mm)	Screwed	0.157" (3.99mm)	Drip	120	OK
4131	BL3 BUILDING	WFI STILL ON WALL	1'	BPT21	1/2" (15mm)	Tri Clamp	0.20" (5mm)	Drip	120	Failed Open
4132	BL3 BUILDING	WFI STILL ON WALL	1'	BPT21	1/2" (15mm)	Tri Clamp	0.20" (5mm)	Drip	120	Failed Open
4133	BL3 BUILDING	WFI STILL ON WALL	1'	FT14HC-4.5	1" (25mm)	Screwed	0.28" (7mm)	Tank Coil	40	Failed Open
4134	BL3 BUILDING	SOUTH OF VE 7100 WFI STORAGE	5'	FT-30	3/4" (20mm)	Screwed	0.218" (5.54mm)	Drip	55	OK
4135	BL3 BUILDING	SOUTH OF VE 7100 WFI STORAGE	1'	BTD52L	3/8" (10mm)	Tri Clamp	0.096" (2.44mm)	Drip	55	OK

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4136	BL3 BUILDING	SOUTH OF VE 7100 WFI STORAGE	1'	BTD52L	3/8" (10mm)	Tri Clamp	0.096" (2.44mm)	Drip	55	OK
4137	BL3 BUILDING	SOUTH OF VE 7100 WFI STORAGE	1'	BTD52L	3/8" (10mm)	Tri Clamp	0.096" (2.44mm)	Drip	55	Not In Use
4138	BL3 BUILDING	HEAT EXCHANGER FOR WFI	4'	FT14HC-4.5	1" (25mm)	Screwed	0.28" (7mm)	Heat Exchanger	55	OK
4139	BL3 BUILDING	BEHIND WFI HEAT EXCHANGER ON WALL	1'	BPT21	1/2" (15mm)	Tri Clamp	0.20" (5mm)	Drip	55	Failed Open
4140	BL3 BUILDING	SOUTH OF WFI HEAT EXCHANGER BY ACID TANK	5'	BPT21	1/2" (15mm)	Tri Clamp	0.20" (5mm)	Drip	55	OK
4141	BL3 BUILDING	EAST WALL BEIND VE4100 TANK	10'	811-70	3/4" (20mm)	Screwed	0.156" (3.97mm)	Drip	55	Failed Open
4142	BL3 BUILDING	EAST WALL BEIND VE4100 TANK	5'	125A3	3/4" (20mm)	Screwed	0.125" (3.18mm)	Drip	55	OK
4143	BLI BUILDING	ROOM 166 UTILITY ROOM	7'	125A2	1/2" (15mm)	Screwed	0.125" (3.18mm)	Drip	55	Failed Open
4144	BLI BUILDING	EAST WALL BEHIND HEAT EXCHANGER	8'	811-125	1/2" (15mm)	Screwed	0.125" (3.18mm)	Drip	100	OK
4145	BLI BUILDING	ABOVE WFI PUMPS	12'	125A2	1/2" (15mm)	Screwed	0.125" (3.18mm)	Drip	100	OK
4146	BLI BUILDING	WFI SKID WEST SIDE	2'	212-125	3/4" (20mm)	Screwed	0.156" (3.97mm)	Tank Coil	100	OK
4147	BLI BUILDING	ABOVE WFI SKID BY EAST WALL	10'	811-125	3/4" (20mm)	Screwed	0.125" (3.18mm)	Drip	100	OK
4148	BLI BUILDING	PSG CLEAN STEAM GENERATOR EAST SIDE	1'	213-125	1" (25mm)	Screwed	0.125" (3.18mm)	STEAM GENERATOR	100	OK
4149	BLI BUILDING	MECH ROOM MEZZ 301 PRV STATION	2'	B1H-180	3/4" (20mm)	Screwed	0.094" (2.38mm)	Drip	60	OK
4150	BLI BUILDING	MECH ROOM MEZZ 301 PRV STATION	2'	B1H-180	3/4" (20mm)	Screwed	0.094" (2.38mm)	Drip	120	OK
4151	BLI BUILDING	MECH ROOM MEZZ 301 PRV STATION	3'	B1H-180	3/4" (20mm)	Screwed	0.094" (2.38mm)	Drip	100	OK
4152	BLI BUILDING	MECH ROOM MEZZ 301 PRV STATION	2'	B1H-180	3/4" (20mm)	Screwed	0.094" (2.38mm)	Drip	70	OK

Recommended Replacements
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Trap	Location	Location Detail	Height	Application	Pressure	Condition	Notes	As soon as possible Replace with: Replacement Size	Replacement Model
4005	BOILER ROOM	WEST WALL ABOVE HOT WATER HEAT EXCHANGER	16'	DRIP	120	Failed Open		3/4" (20mm)	UTD52L
4009	BOILER ROOM	ABOVE DEAIRATOR TANK	20'	DRIP	120	Failed Open		3/4" (20mm)	UTD52L
4016	RD 2 BUILDING	PRV NEXT TO FLASH VESSEL	6'	DRIP	35	Failed Open		3/4" (20mm)	UTD52L
4018	RD 2 BUILDING	EAST SIDE OF HEAT EXCHANGER CV2-1	4'	DRIP	120	Failed Open		3/4" (20mm)	UTD52L
4021	RD 2 BUILDING	WEST SIDE OF HEAT EXCHANGER CV2-2	4'	DRIP	120	Failed Open		3/4" (20mm)	UTD52L
4023	RD 2 BUILDING	SOUTH OF LOW PRESURE FLAH VESSEL	12'	DRIP	12	Failed Open		3/4" (20mm)	FTI-75
4036	RD 2 BUILDING	CAGE WASH ROOM PIT FRON STEAM TUNNEL	2'	DRIP	120	Failed Open		3/4" (20mm)	UTD52L
4040	RD 2 BUILDING	CAGE WASHER NORTH UNIT	1'	HEAT EXCHANGER	60	Failed Open		1" (25mm)	FTI-125
4041	RD 2 BUILDING	CAGE WASHER MIDDLE UNIT	1'	TANK COIL	60	Failed Open		1" (25mm)	FTI-125
4055	RD 3 BUILDING	MECH ROOM ON RAIL BY SOUTH PRV STATION	1'	DRIP	120	Failed Open		3/4" (20mm)	UTD52L
4056	RD 3 BUILDING	MECH ROOM ON RAIL BY SOUTH PRV STATION	1'	DRIP	70	Failed Open		3/4" (20mm)	UTD52L
4057	RD 3 BUILDING	BEHIND CHILLER WATER PIPE CENTER OF ROOM IN MECH ROOM IN MEZ	1'	DRIP	70	Failed Open		3/4" (20mm)	UTD52L
4058	RD 3 BUILDING	NORTH PRV STATION ON RAIL IN MECH ROOM IN MEX	1'	DRIP	25	Failed Open		3/4" (20mm)	UTD52L
4059	RD 3 BUILDING	NORTH PRV STATION ON RAIL IN MECH ROOM IN MEX	1'	DRIP	25	Failed Open		3/4" (20mm)	UTD52L
4089	RD 3 BUILDING	STEAM PIT 1ST FLOOR	1'	DRIP	125	Failed Open		1" (25mm)	UTD52L
4091	VON KARMAH	HIGH PRESSURE SIDE OF PRV STATION	7'	DRIP	120	Failed Open		3/4" (20mm)	UTD52L
4092	VON KARMAH	LOW PRESSURE SIDE OF PRV STATION	1'	DRIP	5	Failed Open		3/4" (20mm)	UTD52L
4093	VON KARMAH	HIGH PRESSURE SIDE OF PRV STATION	4'	DRIP	120	Failed Open		1/2" (15mm)	UTD52L
4095	VON KARMAH	BY CONDENSATE PUMP	1'	DRIP	20	Failed Open		1/2" (15mm)	UTD52L
4109	VON KARMAH	EAST WALL BY HEAT EXCHANGER - 001B	6'	AIR COIL	35	Failed Open		1/2" (15mm)	FTI-75
4111	VON KARMAH	DEHUMDIFIER OUTSIDE	5'	AIR COIL	35	Failed Open		3/4" (20mm)	FT-75
4114	VON KARMAH	ELEC ROOM NORTH WALL	10'	DRIP	120	Failed Open		1/2" (15mm)	UTD52L

Recommended Replacements
Allergan - Irvine CA

Trap	Location	Location Detail	Height	Application	Pressure	Condition	Notes	As soon as possible Replace with	
								Replacement Size	Replacement Model
4121	MAIN PIPE HEADER	VOLT #2	-15'	DRIP	120	Failed Open		3/4" (20mm)	UTD52L
4123	MAIN PIPE HEADER	VOLT #3	-15'	DRIP	120	Failed Open		3/4" (20mm)	UTD52L
4125	TELLER BUILDING	ROOF TOP BY LIFT CRANE EAST SIDE	1'	DRIP	120	Failed Open		3/4" (20mm)	UTD52L
4128	BL3 BUILDING	ON WALL BEHIND CLEAN STEAM GENERATOR	5'	DRIP	40	Failed Open		1/2" (15mm)	BTD52L/w Tri-Clamp Conn
4129	BL3 BUILDING	ON WALL BEHIND CLEAN STEAM GENERATOR	6'	DRIP	40	Failed Open		1/2" (15mm)	BTD52L/w Tri-Clamp Conn
4131	BL3 BUILDING	WFI STILL ON WALL	1'	DRIP	120	Failed Open		1/2" (15mm)	BTD52L/w Tri-Clamp Conn
4132	BL3 BUILDING	WFI STILL ON WALL	1'	DRIP	120	Failed Open		1/2" (15mm)	BTD52L/w Tri-Clamp Conn
4133	BL3 BUILDING	WFI STILL ON WALL	1'	TANK COIL	40	Failed Open		1" (25mm)	FT14HC-4.5
4139	BL3 BUILDING	BEHIND WFI HEAT EXCHANGER ON WALL	1'	DRIP	55	Failed Open		1/2" (15mm)	BTD52L/w Tri-Clamp Conn
4141	BL3 BUILDING	EAST WALL BEIND VE4100 TANK	10'	DRIP	55	Failed Open		1/2" (15mm)	BTD52L/w Tri-Clamp Conn
4143	BLI BUILDING	ROOM 166 UTILITY ROOM	7'	DRIP	55	Failed Open		1/2" (15mm)	BTD52L/w Tri-Clamp Conn