

ALARMAGENT PUMP STATION REPORT

RTU NAME: JUDD AVE PUMP STATION

	PUMP 1	PUMP 2
Cumul Run Time 1	204.6	207.3
Hrs to Maint 1	-204.6	-207.3
Hrs to Maint 2	-204.6	-207.3

Flow estimate consistent to this point

DATE	TIME	CALCULATED STATION FLOW KGAL	GPM		# OF STARTS		STARTS RATIO	RUNTIME HRS			HRS WITH 2 PUMPS RUNNING
			PUMP1	PUMP2	PUMP1	PUMP2		PUMP1	PUMP2	RUN RATIO	
Dec 1, 2012	4:59 AM	74.18	623.5	633.3	54	53	0.98	1.0	0.9	0.9	0.0
Dec 2, 2012	4:59 AM	79.07	621.1	635.8	56	57	1.02	1.0	1.0	1.0	0.0
Dec 3, 2012	4:59 AM	79.81	634.5	650.4	57	57	1.0	1.0	1.0	1.0	0.0
Dec 4, 2012	4:59 AM	81.10	644.3	655.3	57	58	1.02	1.0	1.0	1.0	0.0
Dec 5, 2012	4:59 AM	80.55	639.4	648.0	58	60	1.03	1.0	1.0	1.0	0.0
Dec 6, 2012	4:59 AM	80.44	628.4	639.4	58	57	0.98	1.0	1.0	1.0	0.0
Dec 7, 2012	4:59 AM	74.73	593.0	602.7	53	55	1.04	1.0	1.0	1.0	0.0
Dec 8, 2012	4:59 AM	78.64	640.6	646.8	57	56	0.98	1.0	1.0	1.0	0.0
Dec 9, 2012	4:59 AM	90.26	700.5	716.4	64	65	1.02	1.0	1.0	1.0	0.0
Dec 10, 2012	4:59 AM	82.04	700.5	716.4	59	59	1.0	1.0	0.9	0.9	0.0
Dec 11, 2012	4:59 AM	93.93	750.7	762.9	67	67	1.0	1.0	1.0	1.0	0.0
Dec 12, 2012	4:59 AM	93.15	794.7	810.6	68	67	0.99	1.0	0.9	0.9	0.0
Dec 13, 2012	4:59 AM	104.8	831.4	852.2	75	75	1.0	1.0	1.0	1.0	0.0
Dec 14, 2012	4:59 AM	103.0	837.5	854.6	74	75	1.01	1.0	1.0	1.0	0.0
Dec 15, 2012	4:59 AM	103.4	803.2	817.9	74	74	1.0	1.0	1.0	1.0	0.0
Dec 16, 2012	4:59 AM	104.0	797.1	756.8	61	68	1.11	0.9	1.2	1.33	0.0
Dec 17, 2012	5:02 AM	48.32	794.7	496.4	0	57	0.0	0.0	2.1	0.0	0.0
Dec 18, 2012	5:04 AM	45.11	794.7	480.5	1	62	62.0	0.1	2.1	21.0	0.0
Dec 19, 2012	4:59 AM	42.21	0.0000	468.3	0	59	0.0	0.0	2.0	0.0	0.0

Flow estimate jumps and starts to climb.

Flow estimate very erratic and very high

High temp alarm shuts down pump 1 (Turned out to be a bad relay)

With pump 1 off, starts should have doubled

Flow rates for pump 1 does not reflect pump being off

Dec 20, 2012	4:59 AM	29.46	0.0000	492.7	71	64	0.9	1.1	1.0	0.91	0.1
Dec 21, 2012	4:59 AM	31.30	0.0000	506.2	65	65	1.0	1.0	1.0	1.0	0.0
Dec 22, 2012	4:59 AM	33.53	0.0000	512.3	68	69	1.01	1.0	1.0	1.0	0.0
Dec 23, 2012	4:59 AM	28.72	0.0000	478.0	66	65	0.98	1.0	1.0	1.0	0.0
Dec 24, 2012	4:59 AM	81.92	760.5	481.7	70	71	1.01	1.1	1.0	0.91	0.0
Dec 25, 2012	4:59 AM	88.18	770.2	481.7	77	76	0.99	1.2	1.1	0.92	0.0
Dec 26, 2012	4:59 AM	68.11	781.2	478.0	61	62	1.02	0.9	0.9	1.0	0.0
Dec 27, 2012	4:59 AM	98.32	783.7	797.1	71	71	1.0	1.0	1.0	1.0	0.0
Total:		1998	589.8	632.3	1542	1724	1.118	24.30	30.10	1.239	0.1000

Pump 1 back on, but, flow rates are not showing it

Pump rates for pump 2 are consistent with expectations. PUMP 1 is way too high.

Pump rates for pump 1 and 2 are very high with no change in starts or run time.

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