

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W											
1	Project RAIN Flag Rates Summarized by Station, Period, and Test Name (TOC 052306)																																	
2						Flag Type Count							Flag Type Percentage																					
3	Station	Period	Test Name	Samples	Flagged	J	J3	J5	K	Q	V	Y	PMF	% Flagged	J	J3	J5	K	Q	V	Y	PMF	% Flag Comparison											
4	ENPRCWET	Before Splash Guard	Alkalinity	132	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	lower										
5	ENPRCWET	After Splash Guard	Alkalinity	151	7	0	3	2	0	1	0	1	0	4.64%	0.00%	1.99%	1.32%	0.00%	0.66%	0.00%	0.66%	0.00%	0.00%	higher										
6	ENPRCWET	Before Splash Guard	Ammonia_N	210	5	2	1	0	0	1	1	0	0	2.38%	0.95%	0.48%	0.00%	0.00%	0.48%	0.48%	0.00%	0.00%	0.00%	lower										
7	ENPRCWET	After Splash Guard	Ammonia_N	169	30	0	27	2	0	0	0	1	0	17.75%	0.00%	15.98%	1.18%	0.00%	0.00%	0.00%	0.59%	0.00%	0.00%	higher										
8	ENPRCWET	Before Splash Guard	CALCIUM	152	6	4	0	0	0	0	2	0	0	3.95%	2.63%	0.00%	0.00%	0.00%	0.00%	0.00%	1.32%	0.00%	0.00%	higher										
9	ENPRCWET	After Splash Guard	CALCIUM	160	6	0	5	1	0	0	0	0	0	3.75%	0.00%	3.13%	0.63%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	lower										
10	ENPRCWET	Before Splash Guard	CHLORIDE	227	5	5	0	0	0	0	0	0	0	2.20%	2.20%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	lower										
11	ENPRCWET	After Splash Guard	CHLORIDE	173	41	0	25	2	0	0	13	1	0	23.70%	0.00%	14.45%	1.16%	0.00%	0.00%	7.51%	0.58%	0.00%	0.00%	higher										
12	ENPRCWET	Before Splash Guard	MAGNESIUM	139	4	4	0	0	0	0	0	0	0	2.88%	2.88%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	lower										
13	ENPRCWET	After Splash Guard	MAGNESIUM	160	5	0	4	1	0	0	0	0	0	3.13%	0.00%	2.50%	0.63%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	higher										
14	ENPRCWET	Before Splash Guard	NOX	223	4	3	1	0	0	0	0	0	0	1.79%	1.35%	0.45%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	lower										
15	ENPRCWET	After Splash Guard	NOX	169	33	0	29	2	0	0	1	1	0	19.53%	0.00%	17.16%	1.18%	0.00%	0.00%	0.59%	0.59%	0.00%	0.00%	higher										
16	ENPRCWET	Before Splash Guard	OPO4	213	1	0	1	0	0	0	0	0	0	0.47%	0.00%	0.47%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	lower										
17	ENPRCWET	After Splash Guard	OPO4	173	12	0	7	2	0	0	3	0	0	6.94%	0.00%	4.05%	1.16%	0.00%	0.00%	1.73%	0.00%	0.00%	0.00%	higher										
18	ENPRCWET	Before Splash Guard	POTASSIUM	139	6	4	0	0	0	0	2	0	0	4.32%	2.88%	0.00%	0.00%	0.00%	0.00%	1.44%	0.00%	0.00%	0.00%	higher										
19	ENPRCWET	After Splash Guard	POTASSIUM	160	6	0	5	1	0	0	0	0	0	3.75%	0.00%	3.13%	0.63%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	lower										
20	ENPRCWET	Before Splash Guard	SILICA	149	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	lower										
21	ENPRCWET	After Splash Guard	SILICA	174	8	0	5	1	0	0	1	1	0	4.60%	0.00%	2.87%	0.57%	0.00%	0.00%	0.57%	0.57%	0.00%	0.00%	higher										
22	ENPRCWET	Before Splash Guard	SODIUM	152	2	2	0	0	0	0	0	0	0	1.32%	1.32%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	lower										
23	ENPRCWET	After Splash Guard	SODIUM	160	21	0	18	1	0	0	2	0	0	13.13%	0.00%	11.25%	0.63%	0.00%	0.00%	1.25%	0.00%	0.00%	0.00%	higher										
24	ENPRCWET	Before Splash Guard	SPCond	191	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	lower										
25	ENPRCWET	After Splash Guard	SPCond	141	23	0	18	2	0	0	1	2	0	16.31%	0.00%	12.77%	1.42%	0.00%	0.00%	0.71%	1.42%	0.00%	0.00%	higher										
26	ENPRCWET	Before Splash Guard	SULFATE	214	5	1	1	0	0	0	3	0	0	2.34%	0.47%	0.00%	0.00%	0.00%	0.00%	1.40%	0.00%	0.00%	0.00%	lower										
27	ENPRCWET	After Splash Guard	SULFATE	174	46	0	29	2	0	0	14	1	0	26.44%	0.00%	16.67%	1.15%	0.00%	0.00%	8.05%	0.57%	0.00%	0.00%	higher										
28	ENPRCWET	Before Splash Guard	TKN	239	1	0	0	0	1	0	0	0	0	0.42%	0.00%	0.00%	0.00%	0.42%	0.00%	0.00%	0.00%	0.00%	0.00%	lower										
29	ENPRCWET	After Splash Guard	TKN	185	6	0	4	1	0	0	0	1	0	3.24%	0.00%	2.16%	0.54%	0.00%	0.00%	0.00%	0.54%	0.00%	0.00%	higher										
30	ENPRCWET	Before Splash Guard	TP	239	9	8	1	0	0	0	0	0	0	3.77%	3.35%	0.42%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	lower										
31	ENPRCWET	After Splash Guard	TP	191	13	0	9	1	0	0	2	1	0	6.81%	0.00%	4.71%	0.52%	0.00%	0.00%	1.05%	0.52%	0.00%	0.00%	higher										
32	ENRWET	Before Splash Guard	Alkalinity	172	1	1	0	0	0	0	0	0	0	0.58%	0.58%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	lower										
33	ENRWET	After Splash Guard	Alkalinity	149	8	0	5	2	0	1	0	0	0	5.37%	0.00%	3.36%	1.34%	0.00%	0.67%	0.00%	0.00%	0.00%	0.00%	higher										
34	ENRWET	Before Splash Guard	Ammonia_N	186	6	3	0	0	0	1	1	0	1	3.23%	1.61%	0.00%	0.00%	0.00%	0.54%	0.54%	0.00%	0.00%	0.54%	lower										
35	ENRWET	After Splash Guard	Ammonia_N	165	34	0	30	3	0	0	0	1	0	20.61%	0.00%	18.18%	1.82%	0.00%	0.00%	0.00%	0.61%	0.00%	0.00%	higher										
36	ENRWET	Before Splash Guard	CALCIUM	227	7	5	0	0	0	0	2	0	0	3.08%	2.20%	0.00%	0.00%	0.00%	0.00%	0.88%	0.00%	0.00%	0.00%	lower										
37	ENRWET	After Splash Guard	CALCIUM	161	17	0	14	3	0	0	0	0	0	10.56%	0.00%	8.70%	1.86%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	higher										
38	ENRWET	Before Splash Guard	CHLORIDE	236	7	7	0	0	0	0	0	0	0	2.97%	2.97%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	lower										
39	ENRWET	After Splash Guard	CHLORIDE	177	61	0	30	3	0	2	26	0	0	34.46%	0.00%	16.95%	1.69%	0.00%	1.13%	14.69%	0.00%	0.00%	0.00%	higher										
40	ENRWET	Before Splash Guard	MAGNESIUM	177	6	6	0	0	0	0	0	0	0	3.39%	3.39%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	lower										
41	ENRWET	After Splash Guard	MAGNESIUM	161	9	0	7	1	0	0	1	0	0	5.59%	0.00%	4.35%	0.62%	0.00%	0.00%	0.62%	0.00%	0.00%	0.00%	higher										
42	ENRWET	Before Splash Guard	NOX	237	10	7	1	0	0	1	0	0	1	4.22%	2.95%	0.42%	0.00%	0.00%	0.42%	0.00%	0.00%	0.42%	0.00%	lower										
43	ENRWET	After Splash Guard	NOX	165	39	0	31	3	0	0	4	1	0	23.64%	0.00%	18.79%	1.82%	0.00%	0.00%	2.42%	0.61%	0.00%	0.00%	higher										
44	ENRWET	Before Splash Guard	OPO4	188	7	6	0	0	0	0	0	0	1	3.72%	3.19%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.53%	lower										
45	ENRWET	After Splash Guard	OPO4	176	30	0	16	3	0	1	10	0	0	17.05%	0.00%	9.09%	1.70%	0.00%	0.57%	5.68%	0.00%	0.00%	0.00%	higher										
46	ENRWET	Before Splash Guard	POTASSIUM	177	5	5	0	0	0	0	0	0	0	2.82%	2.82%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	lower										
47	ENRWET	After Splash Guard	POTASSIUM	161	7	0	4	2	0	0	1	0	0	4.35%	0.00%	2.48%	1.24%	0.00%	0.00%	0.62%	0.00%	0.00%	0.00%	higher										
48	ENRWET	Before Splash Guard	SILICA	186	2	2	0	0	0	0	0	0	0	1.08%	1.08%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	lower										
49	ENRWET	After Splash Guard	SILICA	178	13	0	10	2	0	0	0	1	0	7.30%	0.00%	5.62%	1.12%	0.00%	0.00%	0.00%	0.56%	0.00%	0.00%	higher										
50	ENRWET	Before Splash Guard	SODIUM	227	4	4	0	0	0	0	0	0	0	1.76%	1.76%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	lower										
51	ENRWET	After Splash Guard	SODIUM	161	23	0	14	2	0	0	7	0	0	14.29%	0.00%	8.70%	1.24%	0.00%	0.00%	4.35%	0.00%	0.00%	0.00%	higher										
52	ENRWET	Before Splash Guard	SPCond	154	1	1	0	0	0	0	0	0	0	0.65%	0.65%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	lower										
53	ENRWET	After Splash Guard	SPCond	135	25	0	17	3	0	0	3	2	0	18.52%	0.00%	12.59%	2.22%	0.00%	0.00%	2.22%	1.48%	0.00%	0.00%	higher										
54	ENRWET	Before Splash Guard	SULFATE	187	6	2	0	0	0	0	4	0	0	3.21%	1.07%	0.00%	0.00%	0.00%	0.00%	2.14%	0.00%	0.00%	0.00%	lower										
55	ENRWET	After Splash Guard	SULFATE	177	57	0	30	3	0	2	22	0	0	32.20%	0.00%	16.95%	1.69%	0.00%	1.13%	12.43%	0.00%	0.00%	0.00%	higher										
56	ENRWET	Before Splash Guard	TKN	251	5	3	0	0	0	1	0	0	1	1.99%	1.20%	0.00%	0.00%	0.00%	0.40%	0.00%	0.00%	0.40%	0.00%	lower										
57	ENRWET	After Splash Guard	TKN	200	9	0	7	1	0	0	0	1	0	4.50%	0.00%	3.50%	0.50%	0.00%	0.00%	0.00%	0.50%	0.00%	0.00%	higher										
58	ENRWET	Before Splash Guard	TP	252	14	13	0	0	0	0	0	0	1	5.56%	5.16%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.40%	lower										
59	ENRWET	After Splash Guard	TP	201	27	0	20	2	0	0	4	1	0	13.43%	0.00%	9.95%	1.00%	0.00%	0.00%	1.99%	0.50%	0.00%	0.00%	higher										
60	L67AWET	Before Splash Guard	Alkalinity	84	0	0	0	0	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	lower										
61	L67AWET	After Splash Guard	Alkalinity	159	6	0	2	2	0	1	0	1	0	3.77%	0.00%	1.26%	1.26%	0.00%	0.63%	0.00%	0.63%	0.00%	0.00%	higher										
62	L67AWET	Before Splash Guard	Ammonia_N	93	5	3	1	0	0	1	0	0	0	5.38%	3.23%	1.08%	0.00%	0.00%	1.08%	0.00%	0.00%	0.00%	0.00%	lower										
63	L67AWET	After Splash Guard	Ammonia_N	175	21	0	17	2	0	0	1	1	0	12.00%	0.00%	9.71%	1.14%	0.00%	0.00%	0.57%	0.57%	0.00%	0.00%	higher										

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	
2						Flag Type Count								Flag Type Percentage										
3	Station	Period	Test Name	Samples	Flagged	J	J3	J5	K	Q	V	Y	PMF	% Flagged	J	J3	J5	K	Q	V	Y	PMF	% Flag Comparison	
125	S140WET	After Splash Guard	MAGNESIUM	158	1	0	0	1	0	0	0	0	0	0.63%	0.00%	0.00%	0.63%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	lower
126	S140WET	Before Splash Guard	NOX	198	5	4	0	0	0	1	0	0	0	2.53%	2.02%	0.00%	0.00%	0.00%	0.51%	0.00%	0.00%	0.00%	0.00%	lower
127	S140WET	After Splash Guard	NOX	165	28	0	24	1	0	0	1	2	0	16.97%	0.00%	14.55%	0.61%	0.00%	0.00%	0.61%	1.21%	0.00%	0.00%	higher
128	S140WET	Before Splash Guard	OPO4	153	3	3	0	0	0	0	0	0	0	1.96%	1.96%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	lower
129	S140WET	After Splash Guard	OPO4	169	7	0	3	2	0	2	0	0	0	4.14%	0.00%	1.78%	1.18%	0.00%	1.18%	0.00%	0.00%	0.00%	0.00%	higher
130	S140WET	Before Splash Guard	POTASSIUM	109	6	6	0	0	0	0	0	0	0	5.50%	5.50%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	higher
131	S140WET	After Splash Guard	POTASSIUM	158	3	0	2	1	0	0	0	0	0	1.90%	0.00%	1.27%	0.63%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	lower
132	S140WET	Before Splash Guard	SILICA	116	1	1	0	0	0	0	0	0	0	0.86%	0.86%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	lower
133	S140WET	After Splash Guard	SILICA	169	8	0	3	1	0	0	4	0	0	4.73%	0.00%	1.78%	0.59%	0.00%	0.00%	2.37%	0.00%	0.00%	0.00%	higher
134	S140WET	Before Splash Guard	SODIUM	153	4	4	0	0	0	0	0	0	0	2.61%	2.61%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	lower
135	S140WET	After Splash Guard	SODIUM	158	15	0	12	1	0	0	2	0	0	9.49%	0.00%	7.59%	0.63%	0.00%	0.00%	1.27%	0.00%	0.00%	0.00%	higher
136	S140WET	Before Splash Guard	SPCond	128	1	1	0	0	0	0	0	0	0	0.78%	0.78%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	lower
137	S140WET	After Splash Guard	SPCond	139	19	0	15	1	0	0	2	1	0	13.67%	0.00%	10.79%	0.72%	0.00%	0.00%	1.44%	0.72%	0.00%	0.00%	higher
138	S140WET	Before Splash Guard	SULFATE	154	4	1	0	0	0	0	3	0	0	2.60%	0.65%	0.00%	0.00%	0.00%	0.00%	1.95%	0.00%	0.00%	0.00%	lower
139	S140WET	After Splash Guard	SULFATE	168	30	0	24	1	0	1	4	0	0	17.86%	0.00%	14.29%	0.60%	0.00%	0.60%	2.38%	0.00%	0.00%	0.00%	higher
140	S140WET	Before Splash Guard	TKN	208	2	1	0	0	0	1	0	0	0	0.96%	0.48%	0.00%	0.00%	0.00%	0.48%	0.00%	0.00%	0.00%	0.00%	lower
141	S140WET	After Splash Guard	TKN	188	11	0	10	1	0	0	0	0	0	5.85%	0.00%	5.32%	0.53%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	higher
142	S140WET	Before Splash Guard	TP	207	10	9	1	0	0	0	0	0	0	4.83%	4.35%	0.48%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	lower
143	S140WET	After Splash Guard	TP	191	10	0	9	1	0	0	0	0	0	5.24%	0.00%	4.71%	0.52%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	higher
144																								
145	Total Comparisons=70 (5 stations x 14 test names) The After Period has a higher percentage of flagged samples in 59 of the comparisons.																							
146	Total Iron not included because only S140WET had any data (1 value) in the After period																							
147																								
148	Overall Flag Rates for the Before and After Periods																							
149	Station	Period	Test Name	Samples	Flagged	J	J3	J5	K	Q	V	Y	PMF	% Flagged	J	J3	J5	K	Q	V	Y	PMF	% Flag Comparison	
150	All Stations	Before Splash Guard	All Test Names	10515	323	259	12	0	2	14	30	0	5	3.06%	2.46%	0.11%	0.00%	0.02%	0.13%	0.29%	0.00%	0.05%	Lower	
151	All Stations	After Splash Guard	All Test Names	11534	1371	0	931	127	0	17	254	42	0	11.89%	0.00%	8.07%	1.10%	0.00%	0.15%	2.20%	0.36%	0.00%	Higher	