Appendix L

Mt. Lemmon WWTF

Comparison of Standards in Current Rule (AAC R18-11) to 2007 Proposed Draft Standards SWQS

Constituent	Standards (ug/L)																						Results				
									SWQS																	Exceeds	
	DWS	*DWS draft*	FC	*FC draft*	FBC	*FBC draft*	AgI	*AgI draft*	A&W cold Acute	*A&W cold Acute - draft*	A&W cold Chronic	*A&W cold Chronic - draft*	A&W warm Acute	*A&W warm Acute - draft*	A&W warm Chronic	*A&W warm Chronic - draft*	A&W edw Acute	*A&W edw Acute - draft*	A&W edw Chronic	*A&W edw Chronic - draft*	A&We Acute	*A&We Acute - draft*	Average	Max	Min	Standards	Violation added / removed / remains
Flow (gpd)	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	5,438	10,710	601	N	
Asbestos (million fibers/L)	7*p	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	--	--	--	--	
BOD	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	4,169	14,000	0	N	
Chlorine (total residual)	700	***4,000***	NNS	*NC*	140,000	***4,000***	NNS	*NC*	11	***19***	5	***11***	11	***19***	5	***11***	11	***19***	5.0	***11***	NNS	*NC*	**4,719**	**12,300**	50	Y	7 remain, 1 added
COD	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	64,000	93,000	41,000	N	
Coliform (Fecal) (CFU/100ml)	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	8	80	2	N	
pH (s.u.) (max / min / ±)	9.0 / 5.0 / NNS	9.0 / 5.0 / none	none	*NC*	9.0 / 6.5 / 0.5	9.0 / **6.5** / none	9.0 / 4.5 / NNS	9.0 / 4.5 / none	9.0 / 6.5 / 0.5	9.0 / **6.5** / none	9.0 / 6.5 / 0.5	9.0 / **6.5** / none	9.0 / 6.5 / 0.5	9.0 / **6.5** / none	9.0 / 6.5 / 0.5	9.0 / **6.5** / none	9.0 / 6.5 / 0.5	9.0 / **6.5** / none	9.0 / 6.5 / 0.5	9.0 / **6.5** / none	9.0 / 6.5 / 0.5	9.0 / **6.5** / none	7.17	8.30	**6.02**	Y	8 remain
Temp (ºC) (max increase)	none	*NC*	none	*NC*	none	*NC*	none	*NC*	+ 1.0	***NC***	+ 1.0	***NC***	+ 3.0	***NC***	+ 3.0	***NC***	+ 1.0	***NC***	+ 1.0	***NC***	none	*NC*	**15.31**	**22.4**	**6.4**	Y	6 remain
Total Suspended Solids (TSS)	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	12,895	34,000	3,000	N	
Settleable Solids (ml/l)	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	0.1	0.1	0.1	N	
Alkalinity, Bicarbonate	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	40,000	40,000	40,000	N	
Alkalinity, Carbonate	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	ND	0	0	N	
Alkalinity, Total	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	40,000	40,000	40,000	N	
Ammonia (as ug/L N)	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	21,425 *b	*NC*	5,600 *b	***NC***	31,975 *b	*NC*	5,600 *b	***NC***	NNS	*30,358 *b*	NNS	***5,139 *b***	NNS	*NC*	2,969	**5,700**	800	Y	2 remain, 1 added
Nitrate	10,000	***NC***	NNS	*NC*	2,240,000	*1,493,330*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	**46,715**	**159,070**	600	Y	1 remains
Nitrite	1,000	***NC***	NNS	*NC*	140,000	***93,330***	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	**39,777**	**114,000**	600	Y	1 remains, 1 added
Nitrate + Nitrite	10,000	***NC***	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	**48,636**	**127,400**	600	Y	1 remains
Total Kjeldahl Nitrogen (TKN)	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	2,655	8,300	800	N	
Total N	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	50,435	127,400	1,200	N	
Oil & Grease	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	ND	0	0	N	
Phosphorus	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	6,525	13,300	590	N	
Potassium	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	30,100	30,100	30,100	N	
Total Dissolved Solids (TDS)	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	611,662	940,000	244,000	N	
Alpha Particles (Gross) Radioactivity (pCi/L)	15	*15*	none	*NNS*	none	*NNS*	none	*NNS*	none	*NNS*	none	*NNS*	none	*NNS*	none	*NNS*	none	*NNS*	none	*NNS*	none	*NNS*	--	--	--	--	
Antimony	6 T	*NC*	4,300 T	*640*	560 T	*370*	NNS	*NC*	88 D	*NC*	30 D	*NC*	88 D	*NC*	30 D	*NC*	1,000 D	*NC*	600 D	*NC*	NNS	*NC*	ND	0	0	N	
Arsenic	50 T	*10*	1,450 T	*80*	50 T	*30*	2,000 T	*NC*	360 D	*340*	190 D	*150*	360 D	*340*	190 D	*150*	360 D	*340*	190 D	*150*	440 D	*NC*	ND	0	0	N	
Barium	2,000 T	*NC*	NNS	*NC*	98,000 T	*186,670 T*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	ND	0	0	N	
Beryllium	4 T	*NC*	1,130 T	*85*	2,800 T	*1,870 T*	NNS	*NC*	65 D	*NNS*	5.3 D	*NNS*	65 D	*NNS*	5.3 D	*NNS*	65 D	*NNS*	5.3 D	*NNS*	NNS	*NC*	ND	0	0	N	
Boron	630 T	*1,400 T*	NNS	*NC*	126,000 T	*186,670*	1,000 T	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	124	126	122	N	
Beta particles and photon emitters (millirems/yr)	4	*NC*	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	--	--	--	--	
Cadmium	5 T	*NC*	84 T	*8*	700 T	*470*	50 T	*NC*	3.48 *c D	*1.68 *c D*	1.95 *c D	*0.22 *c D*	3.48 *c D	*6.56 *c D*	1.95 *c D	*0.49 *c D*	5.24*c D	*9.47 *c D*	2.58 *c D	*0.64 *c D*	79.42 *c D	*27.46 *c D*	ND	0	0	N	
Calcium	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	38,306	49,000	31,300	N	
Chromium (Total)	100 T	*NC*	NNS	*NC*	100 T	*none*	1,000 T	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	1.15	2.19	0.87	N	
Chromium III	10,500 T	*NNS*	1,010,000T	*75,000*	2,100,000 T	*1,400,000*	NNS	*NNS*	488.52	*488.40*k m*	63.55	*NC*	488.52	*488.40*km*	63.55	*NC*	666.18	*666.15*km*	86.66	*NC*	2235.14	*2235.45*km*	--	--	--	--	
Chromium VI	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	3.12	3.12	3.12	N	
Copper	1,300 T	*NC*	NNS	*NC*	1,300 T	*9,330 T*	5,000 T	*NC*	11.26*d D	***NC***	7.63*d D	***NC***	11.26*d D	***NC***	7.63*d D	***NC***	16.09*d D	***16.08 *d k D***	10.54*d D	***NC***	27.84*d D	***27.85 *d k D***	**19**	**49**	7	Y	7 remain
Cyanide (as free cyanide)	200 T	*NC*	215,000 T	*16,000 T*	28,000 T	*18,670 T*	NNS	*NC*	22 T	*NC*	5.2 T	***5 T***	41 T	*NC*	9.7 T	*10 T*	41 T	*NC*	9.7 T	*10 T*	84 T	*NC*	**5.25**	**5.25**	**5.25**	Y	1 remains
Dissolved Oxygen	none	*NC*	none	*NC*	none	*NC*	none	*NC*	*L	***NC***	*L	***NC***	*L	***NC***	*L	***NC***	*L	*NC*	*L	*NC*	none	*NC*	**5,514**	**6,400**	**4,200**	Y	4 remain
E-Coli (cfu/100 ml) (avg max / sample max)	none	*NC*	none	*NC*	126 / 235	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	5	17	1	N	
Hardness	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	121,032	152,000	101,000	N	
Hydrogen sulfide	none	*NNS*	none	*NNS*	none	*NNS*	none	*NNS*	none	*NNS*	none	*2*	none	*NNS*	none	*2*	none	*NNS*	none	*2*	none	*NNS*	--	--	--	--	
Iron	none	*NNS*	none	*NNS*	none	*NNS*	none	*NNS*	none	*NNS*	none	*1,000*	none	*NNS*	none	*1,000*	none	*NNS*	none	*1,000*	none	*NNS*	--	--	--	--	
Lead	15 T	*NC*	NNS	*NC*	15 T	*NC*	10,000 T	*NC*	52.61 *e D	*NC*	2.05 *e D	*NC*	52.61 *e D	*NC*	2.05 *e D	*NC*	79.45 *e D	*NC*	3.10 *e D	*NC*	167.68 *e D	*NC*	1.51	1.56	1.46	N	
Magnesium	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	6,167	6,900	5,600	N	
Manganese	none	*980*	none	*NNS*	none	*130,670*	none	*10,000*	none	*NNS*	none	*NNS*	none	*NNS*	none	*NNS*	none	*NNS*	none	*NNS*	none	*NNS*	--	--	--	--	
Mercury	2 T	*NC*	0.6 T	*NNS*	420 T	*280 T*	NNS	*NC*	2.4 D	*NC*	0.01 D	*NC*	2.4 D	*NC*	0.01 D	*NC*	2.6 D	*2.4 D*	0.2 D	*.01 D*	5.0 D	*NC*	ND	0.00	0.00	N	
Molybdenum	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	ND	0.00	0.00	N	
Nickel	140 T	*NC*	4,600 T	*340*	28,000 T	*18,670 T*	NNS	*NC*	399.44 *f D	*399.52 *f k D*	44.37 *f D	*NC*	399.44 *f D	*399.52 *f k D*	44.37 *f D	*NC*	550.30 *f D	*550.12 *f k D*	61.12 *f D	*NC*	4,887.14 *f D	*4,887.02 *f k D*	3.11	3.67	2.20	N	
Selenium	50 T	*NC*	9,000 T	*670 T*	7,000 T	*4,670 T*	20 T	*NC*	20 T	*NNS*	2 T	*NC*	20 T	*NNS*	2 T	*NC*	50 T	*NNS*	2 T	*NC*	33 T	*NC*	1.32	1.32	1.32	N	
Silver	35 T	*NC*	107,700 T	*8,000 T*	7,000 T	*4,670 T*	NNS	*NC*	2.50 *g	*2.33 *g*	NNS	*NC*	2.50 *g	*2.33 *g*	NNS	*NC*	4.79 *g	*4.46 *g*	NNS	*NC*	4.79 *g	*4.46 *g*	0.38	0.38	0.38	N	
Sodium	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	108,000	108,000	108,000	N	
Sulfate	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	33,000	33,000	33,000	N	
Sulfide	NNS	*none*	NNS	*none*	NNS	*none*	NNS	*none*	100	*none*	NNS	*none*	100	*none*	NNS	*none*	100	*none*	NNS	*none*	100	*none*	ND	0	0	N	
Thallium	2 T	*NC*	7.2 T	*1 T*	112 T	*75 T*	NNS	*NC*	700 D	*NC*	150 D	*NC*	700 D	*NC*	150 D	*NC*	700 D	*NC*	150 D	*NC*	NNS	*NC*	ND	0	0	N	
Zinc	2,100 T	*NC*	69,000 T	*5,100 T*	420,000 T	*280,000 T*	10,000 T	*NC*	99.94 *h D	***99.97 *h k D***	99.94 *h D	***99.97 *h k D***	99.94 *h D	***99.97 *h k D***	99.94 *h D	***99.97 *h k D***	137.75 *h D	***137.73 *h k D***	137.75 *h D	***137.73 *h k D***	1,307.21 *h D	*1,307.27 *h k D*	**194**	**460**	61	Y	6 remain
1,1,1-Trichloroethane	200	*NC*	NNS	*NC*	200	*NNS*	1,000	*NC*	2,600	*NC*	1,600	*NC*	2,600	*NC*	1,600	*NC*	2,600	*NC*	1,600	*NC*	NNS	*NC*	ND	0	0	N	
1,1,2,2-Tetrachloroethane	0.17	*0.2*	11	*4*	7	*20*	NNS	*NC*	4,700	*NC*	3,200	*NC*	4,700	*NC*	3,200	*NC*	4,700	*NC*	3,200	*NC*	NNS	*NC*	ND	0	0	N	
1,1,2-Trichloroethane	5	*NC*	42	*15*	25	*80*	NNS	*NC*	18,000	*NC*	12,000	*NC*	18,000	*NC*	12,000	*NC*	18,000	*NC*	12,000	*NC*	NNS	*NC*	ND	0	0	N	
1,1-Dichloroethane	NNS	*none*	NNS	*none*	NNS	*none*	NNS	*none*	NNS	*none*	NNS	*none*	NNS	*none*	NNS	*none*	NNS	*none*	NNS	*none*	NNS	*none*	ND	0	0	N	
1,1-Dichloroethylene	7	*NC*	320	*7,140*	230	*46,670*	NNS	*NC*	15,000	*NC*	950	*NC*	15,000	*NC*	950	*NC*	15,000	*NC*	950	*NC*	NNS	*NC*	ND	0	0	N	
1,2,4-Trichlorobenzene	70	*NC*	950	*70*	14,000	*9,330*	NNS	*NC*	750	*NC*	130	*NC*	1,700	*NC*	300	*NC*	NNS	*1700*	NNS	*300*	NNS	*NC*	ND	0	0	N	
1,2-Dibromo-3-chloropropane	0.2	*NC*	NNS	*NC*	2,800	*1,870*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	ND	0	0	N	
1,2-Dichlorobenzene	600	*NC*	2,800	*205*	126,000	*84,000*	NNS	*NC*	790	*NC*	300	*NC*	1,200	*NC*	470	*NC*	1,200	*NC*	470	*NC*	5,900	*NC*	ND	0	0	N	
1,2-Dibromoethane	0.05	*NC*	NNS	*NC*	0.05	*8,400*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	ND	0	0	N	
1,2-Dichloroethane	5	*NC*	100	*35*	15	*50*	NNS	*NC*	59,000	*NC*	41,000	*NC*	59,000	*NC*	41,000	*NC*	59,000	*NC*	41,000	*NC*	NNS	*NC*	ND	0	0	N	
1,2-Dichloropropane	5	*NC*	236,000	*NNS*	126,000	*NNS*	NNS	*NC*	26,000	*NC*	9,200	*NC*	26,000	*NC*	9,200	*NC*	26,000	*NC*	9,200	*NC*	NNS	*NC*	ND	0	0	N	
1,2-Diphenylhydrazine	0.04	*NC*	0.5	*0.2*	1.8	*6*	NNS	*NC*	130	*NC*	11	*NC*	130	*NC*	11	*NC*	130	*NC*	11	*NC*	NNS	*NC*	ND	0	0	N	
1,3-Dichlorobenzene	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	2,500	*NC*	970	*NC*	2,500	*NC*	970	*NC*	2,500	*NC*	970	*NC*	NNS	*NC*	ND	0	0	N	
1,4-Dichlorobenzene	75	*NC*	77,500	*NNS*	560,000	*65,330*	NNS	*NC*	560	*NC*	210	*NC*	2,000	*NC*	780	*NC*	2,000	*NC*	780	*NC*	6,500	*NC*	ND	0	0	N	
2-Chloroethyl vinyl ether	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	180,000	*NC*	9,800	*NC*	180,000	*NC*	9,800	*NC*	180,000	*NC*	9,800	*NC*	NNS	*NC*	ND	0	0	N	
2,3-Dichloroaniline	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	ND	0	0	N	
2,4,6-Trichlorophenol	3.2	*3*	6.5	*2*	130	*420*	NNS	*NC*	160	*NC*	25	*NC*	160	*NC*	25	*NC*	160	*NC*	25	*NC*	3,000	*NC*	ND	0	0	N	
2,4-Dichlorophenoxyacetic acid (2,4-D)	70	*NC*	NNS	*NC*	14,000	*9,330*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	2	2	2	N	
2,4-Dichlorophenol	21	*20*	800	*60*	4,200	*2,800*	NNS	*NC*	1,000	*NC*	88	*NC*	1,000	*NC*	88	*NC*	1,000	*NC*	88	*NC*	NNS	*NC*	ND	0	0	N	
2,4-Dimethylphenol	140	*NC*	2,300	*170*	28,000	*18,670*	NNS	*NC*	1,000	*NC*	310	*NC*	1,000	*NC*	310	*NC*	1,100	*1,000*	310	*NC*	150,000	*NC*	ND	0	0	N	
2,4-Dinitrophenol	14	*NC*	14,400	*1,070*	2,800	*1,870*	NNS	*NC*	110	*NC*	9.2	*9*	110	*NC*	9.2	*9*	110	*NC*	9.2	*9*	NNS	*NC*	ND	0	0	N	
2,4-Dinitrotoluene	14	*NC*	5,700	*420*	2,800	*1,870*	NNS	*NC*	14,000	*NC*	860	*NC*	14,000	*NC*	860	*NC*	14,000	*NC*	860	*NC*	NNS	*NC*	ND	0	0	N	
2,6-Dinitrotoluene	0.05	*NC*	NNS	*NC*	2	*7*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	ND	0	0	N	
2-Chloronaphthalene	560	*NC*	4,300	*320*	112,000	*74,670*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	ND	0	0	N	
2-Chlorophenol	35	*NC*	400	*30*	7,000	*4,670*	NNS	*NC*	2,200	*NC*	150	*NC*	2,200	*NC*	150	*NC*	2,200	*NC*	150	*NC*	NNS	*NC*	ND	0	0	N	
4,6-Dinitro-o-cresol	28	*NNS*	7,800	*NNS*	5,600	*NNS*	NNS	*NC*	310	*NC*	24	*NC*	310	*NC*	24	*NC*	310	*NC*	24	*NC*	NNS	*NC*	ND	0	0	N	
2-Methylphenol	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	ND	0	0	N	
o-nitrophenol	NNS	*none*	NNS	*none*	NNS	*none*	NNS	*none*	NNS	*none*	NNS	*none*	NNS	*none*	NNS	*none*	NNS	*none*	NNS	*none*	NNS	*none*	ND	0	0	N	
2,3,7,8-Tetrachlorodibenzo-p-dioxin (2,3,7,8-TCDD)	0.0000003	*0.00003*	4E-09	*0.000000005*	0.00009	*0.00003*	NNS	*NC*	0.01	*NC*	0.005	*NC*	0.01	*NC*	0.005	*NC*	0.12	*0.01*	0.01	*0.005*	0.1	*NC*	ND	0	0	N	
2,4,5-Trichlorophenoxy proprionic acid (2,4,5-TP)	50	*NC*	NNS	*NC*	11,200	*7,470*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	ND	0	0	N	
3,3'-Dichlorobenzidine	0.08	*NC*	0.08	*0.03*	3.1	*10*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	ND	0	0	N	
4,4-DDD	0.15	*none*	0.001	*none*	5.8	*none*	0.001	*none*	1.1	*none*	0.001	*none*	1.1	*none*	0.02	*none*	1.1	*none*	0.02	*none*	1.1	*none*	ND	0	0	N	
4,4-DDE	0.1	*none*	0.001	*none*	4.1	*none*	0.001	*none*	1.1	*none*	0.001	*none*	1.1	*none*	0.02	*none*	1.1	*none*	0.02	*none*	1.1	*none*	ND	0	0	N	
4,4-DDT	0.1	*none*	0.0006	*none*	4.1	*none*	0.001	*none*	1.1	*none*	0.001	*none*	1.1	*none*	0.001	*none*	1.1	*none*	0.001	*none*	1.1	*none*	ND	0	0	N	
p,p'-Dichlorodiphenyltrichloroethane (DDT) & metabolites (DDD) & (DDE)	none	*0.1*	none	*0.0002*	none	*14*	none	*0.001*	none	*1.1*	none	*0.001*	none	*1.1*	none	*0.001*	none	*1.1*	none	*0.001*	none	*1.1*	--	--	--	--	
p-Bromodiphenyl ether	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	180	*NC*	14	*NC*	180	*NC*	14	*NC*	180	*NC*	14	*NC*	NNS	*NC*	ND	0	0	N	
p-Chloro-m-cresol	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	15	*NC*	4.7	*5*	15	*NC*	4.7	*5*	15	*NC*	4.7	*5*	48,000	*NC*	ND	0	0	N	
4-Chlorophenyl phenyl ether	NNS	*none*	NNS	*none*	NNS	*none*	NNS	*none*	NNS	*none*	NNS	*none*	NNS	*none*	NNS	*none*	NNS	*none*	NNS	*none*	NNS	*none*	ND	0	0	N	

Mt. Lemmon WWTF

Comparison of Standards in Current Rule (AAC R18-11) to 2007 Proposed Draft Standards SWQS

Constituent	Standards (ug/L)																						Results				
									SWQS																		
	DWS	DWS draft	FC	FC draft	FBC	FBC draft	AgI	AgI draft	A&W cold Acute	A&W cold Acute - draft	A&W cold Chronic	A&W cold Chronic - draft	A&W warm Acute	A&W warm Acute - draft	A&W warm Chronic	A&W warm Chronic - draft	A&W edw Acute	A&W edw Acute - draft	A&W edw Chronic	A&W edw Chronic - draft	A&We Acute	A&We Acute - draft	Average	Max	Min	Exceeds	
4-Methylphenol	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	ND	0	0	N	
p-Nitrophenol	NNS	NC	NNS	NC	NNS	NC	NNS	NC	4,100	NC	3,000	NC	4,100	NC	3,000	NC	4,100	NC	3,000	NC	NNS	NC	ND	0	0	N	
Acenaphthene	420	NC	2,670	200	84,000	56,000	NNS	NC	850	NC	550	NC	850	NC	550	NC	850	NC	550	NC	NNS	NC	ND	0	0	N	
Acenaphthylene	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	ND	0	0	N	
Acrolein	3.5	4	25	2	700	470	NNS	NC	34	NC	30	NC	34	NC	30	NC	34	NC	30	NC	NNS	NC	ND	0	0	N	
Alachlor	2	NC	NNS	NC	14,000	9,330	NNS	NC	2,500	NC	170	NC	2,500	NC	170	NC	2,500	NC	170	NC	NNS	NC	ND	0	0	N	
Acrylonitrile	0.07	0.06	0.7	0.2	3	9	NNS	NC	3,800	NC	250	NC	3,800	NC	250	NC	3,800	NC	250	NC	NNS	NC	ND	0	0	N	
Aldrin	0.002	NC	0.0001	0.00005	0.08	0.3	0.003*i	0.003	2.0	3.0	NNS	NC	2.0	3.0	NNS	NC	2.0	3.0	NNS	NC	4.5	NC	ND	0	0	N	
Anthracene	2,100	NC	1,000	75	420,000	280,000	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	ND	0	0	N	
Aroclor	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	ND	0	0	N	
Atrazine	3	NC	NNS	NC	49,000	32,670	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	ND	0	0	N	
Benzene	5	NC	140	115	93	130	NNS	NC	2,700	NC	180	NC	2,700	NC	180	NC	8,800	NC	560	NC	NNS	NC	ND	0	0	N	
Benzidine	0.0002	NC	0.001	0.0002	0.01	0.02	0.01	NC	1,300	NC	89	NC	1,300	NC	89	NC	1,300	NC	89	NC	10,000	NC	ND	0	0	N	
Benzo(a)anthracene	0.048	0.005	0.49	0.02	1.9	1	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	ND	0	0	N	
Benzo(a)pyrene	0.2	NC	0.05	0.02	0.2	1	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	ND	0	0	N	
3, 4 Benzofluoranthene	0.048	0.005	0.49	0.02	1.9	1	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	ND	0	0	N	
Benzo(ghi)perylene	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	ND	0	0	N	
Benzo(k)fluoranthene	0.048	0.005	0.49	0.02	1.9	1	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	ND	0	0	N	
Bis(2-chloroethoxy) methane	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	ND	0	0	N	
Bis(2-chloroethyl) ether	0.03	NC	1.4	0.5	1.3	4	NNS	NC	120,000	NC	6,700	NC	120,000	NC	6,700	NC	120,000	NC	6,700	NC	NNS	NC	ND	0	0	N	
Bis (2-chloroisopropyl) ether	280	none	174,400	none	56,000	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	ND	0	0	N	
Di (2-ethylhexyl) phthalate	6	**NC**	7.4	**3**	100	330	NNS	NC	400	NC	360	NC	400	NC	360	NC	400	NC	360	NC	3,100	NC	**286**	**286**	**286**	Y	2 remain, 1 rmvd
Bromodichloromethane	100*a	80	46	**15**	100*a	186,670	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	**17**	**25**	9	N	1 added
Bromoform	100*a	80	360	135	180	186,670	NNS	NC	15,000	NC	10,000	NC	15,000	NC	10,000	NC	15,000	NC	10,000	NC	NNS	NC	ND	0	0	N	
Bromomethane	9.8	10	4,020	300	2,000	1,310	NNS	NC	5,500	NC	360	NC	5,500	NC	360	NC	5,500	NC	360	NC	NNS	NC	ND	0	0	N	
Butyl benzyl phthalate	1,400	NC	5,200	390	280,000	186,670	NNS	NC	1,700	NC	130	NC	1,700	NC	130	NC	1,700	NC	130	NC	NNS	NC	ND	0	0	N	
Carbazole	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	ND	0	0	N	
Carbon tetrachloride	5	NC	4	2	11	40	NNS	NC	18,000	NC	1,100	NC	18,000	NC	1,100	NC	18,000	NC	1,100	NC	NNS	NC	ND	0	0	N	
Carbofuran	40	NC	NNS	NC	7,000	4,670	NNS	NC	650	NC	50	NC	650	NC	50	NC	650	NC	50	NC	NNS	NC	ND	0	0	N	
Chlordane	2	NC	0.002	0.0008	4	13	NNS	NC	2.4	2	0.004	NC	2.4	2	0.21	0.2	2.4	2	0.21	0.2	3.2	NC	ND	0	0	N	
Chlorobenzene	100	NC	20,900	1,550	28,000	18,670	NNS	NC	3,800	NC	260	NC	3,800	NC	260	NC	3,800	NC	260	NC	NNS	NC	ND	0	0	N	
Ethyl Chloride	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	ND	0	0	N	
Chloroform	100*a	**80**	470	2,130	230	9,330	NNS	NC	14,000	NC	900	NC	14,000	NC	900	NC	14,000	NC	900	NC	NNS	NC	**100**	**112**	**88**	Y	1 remains
1,2-cis-Dichloroethylene	70	NC	NNS	NC	70	none	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	ND	0	0	N	
cis-1,3-Dichloropropene	2*	0.7*	1,700*	40*	420*	90*	NNS*	NNS*	3,000*	NC*	1,100*	NC*	3,000*	NC*	1,100*	NC*	3,000*	NC*	1,100*	NC*	NNS*	NC*	ND	0	0	N	
1,3-Dichloropropene	2	0.7	1,700	40	420	90	NNS	NNS	3,000	NC	1,100	1,100	3,000	3,000	1,100	1,100	3,000	3,000	1,100	1,100	NNS	NNS	--	--	--	--	
Chloromethane	NNS	NC	NNS	NC	NNS	NC	NNS	NC	270,000	NC	15,000	NC	270,000	NC	15,000	NC	270,000	NC	15,000	NC	NNS	NC	ND	0	0	N	
Chloropyrifos	none	20	none	NNS	none	2,800	none	NNS	none	0.08	none	0.04	none	0.08	none	0.04	none	0.08	none	0.04	none	NNS	--	--	--	--	
Chrysene	0.479	0.005	4.92	0.02	19.2	1	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	ND	0	0	N	
Dibenzo (a,h) anthracene	0.048	0.005	0.2	0.02	1.9	1	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	ND	0	0	N	
Dibromochloromethane	100*a	80	34	15	100*a	18,670	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	1.94	1.94	1.94	N	
Dalapon	200	NC	161,500	NNS	42,000	NNS	NNS	NC	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	4.7	4.7	4.7	N	
Dieldrin	0.002	NC	0.0001	0.00005	0.09	0.3	0.003*i	0.003	2.5	0.2	0.002	0.06	2.5	0.2	0.002	0.06	2.5	0.2	0.005	0.06	4	NC	ND	0	0	N	
Diethyl phthalate	5,600	NC	118,000	8,770	1,120,000	74,670	NNS	NC	26,000	NC	1,600	NC	26,000	NC	1,600	NC	26,000	NC	1,600	NC	NNS	NC	ND	0	0	N	
Dimethyl phthalate	NNS	NC	NNS	NC	NNS	NC	NNS	NC	17,000	NC	1,000	NC	17,000	NC	1,000	NC	17,000	NC	1,000	NC	NNS	NC	ND	0	0	N	
Dibutyl phthalate	700	NC	12,100	900	140,000	93,330	NNS	NC	470	NC	35	NC	470	NC	35	NC	470	NC	35	NC	1,100	NC	ND	0	0	N	
Di-n-octyl phthalate	2,800	none	NNS	none	560,000	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	ND	0	0	N	
Di (2-ethylhexyl) adipate	400	NC	NNS	NC	1,200	NNS	NNS	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	ND	0	0	N	
Dinoseb	7	NC	NNS	NC	1,400	NNS	NNS	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	ND	0	0	N	
Diquat	20	NC	NNS	NC	3,080	2,050	NNS	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	ND	0	0	N	
Endosulfan 1	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	0.1	0.1	0.1	N	
Endosulfan 2	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	ND	0	0	N	
Endosulfan (Total)	42	40	240	20	8,400	5,600	NNS	NC	0.22	0.2	0.06	NC	0.22	0.2	0.06	NC	0.22	0.2	0.06	NC	3.0	NC	ND	0	0	N	
Endosulfan sulfate	NNS	40	NNS	20	NNS	5,600	NNS	NC	0.22	0.2	0.06	NC	0.22	0.2	0.06	NC	0.22	0.2	0.06	NC	3.0	NC	ND	0	0	N	
Endothall	100	NC	NNS	NC	28,000	18,670	NNS	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	ND	0	0	N	
Endrin	2	NC	0.8	0.06	420	280	0.004	NC	0.18	0.09	0.002	0.04	0.2	0.09	0.08	0.04	0.2	0.09	0.08	0.04	0.7	NC	ND	0	0	N	
Endrin aldehyde	NNS	NC	NNS	NC	NNS	NC	NNS	NC	0.18	0.09	0.002	0.04	0.2	0.09	0.08	0.04	0.2	0.09	0.08	0.04	0.7	NC	ND	0	0	N	
Ethylbenzene	700	NC	28,700	2,130	140,000	93,330	NNS	NC	23,000	NC	1,400	NC	23,000	NC	1,400	NC	23,000	NC	1,400	NC	NNS	NC	ND	0	0	N	
Fluoranthene	280	NC	380	30	56,000	37,330	NNS	NC	2,000	NC	1,600	NC	2,000	NC	1,600	NC	2,000	NC	1,600	NC	NNS	NC	ND	0	0	N	
Fluorene	280	NC	14,400	1,070	56,000	37,330	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	ND	0	0	N	
Fluoride	none	4,000	none	NNS	none	56,000	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	--	--	--	--	
Guthion	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	0.01	none	NNS	none	0.01	none	NNS	none	0.01	none	NNS	--	--	--	--	
Glyphosate	700	NC	1,077,000	NNS	140,000	93,330	NNS	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	ND	0	0	N	
Heptachlor	0.4	NC	0.0002	0.00008	0.4	1	NNS	NC	0.52	0.5	0.004	NC	0.52	0.5	0.004	NC	0.58	0.6	0.013	0.01	0.9	NC	ND	0	0	N	
Heptachlor epoxide	0.2	NC	0.0001	0.00004	0.2	1	NNS	NC	0.52	0.5	0.004	NC	0.52	0.5	0.004	NC	0.58	0.6	0.013	0.01	0.9	NC	ND	0	0	N	
Hexachlorobenzene	1	NC	0.001	0.0003	1	3	NNS	NC	6	NC	3.7	4	NNS	6	NNS	4	NNS	6	NNS	4	NNS	NC	ND	0	0	N	
Hexachlorobutadiene	0.45	0.4	50	20	18	60	NNS	NC	45	NC	8.2	8	45	NC	8.2	8	45	NC	8.2	8	NNS	NC	ND	0	0	N	
Hexachlorocyclohexane alpha	0.006	NC	0.01	0.005	0.22	1	NNS	NC	1,600	NC	130	NC	1,600	NC	130	NC	1,600	NC	130	NC	1,600	NC	ND	0	0	N	
Hexachlorocyclohexane beta	0.02	NC	0.02	NC	0.78	3	NNS	NC	1,600	NC	130	NC	1,600	NC	130	NC	1,600	NC	130	NC	1,600	NC	ND	0	0	N	
Hexachlorocyclohexane delta	NNS	NC	NNS	NC	NNS	NC	NNS	NC	1,600	NC	130	NC	1,600	NC	130	NC	1,600	NC	130	NC	1,600	NC	ND	0	0	N	
Hexachlorocyclohexane gamma (lindane)	0.2	NC	25	2	420	280	NNS	NC	2	1	0.08	NNS	3.4	1	0.28	NNS	7.6	1	0.61	NNS	11	NC	ND	0	0	N	
Hexachlorocyclopentadiene	50	NC	580	40	9,800	5,600	NNS	NC	3.5	NC	0.3	NC	3.5	NC	0.3	NC	3.5	NC	0.3	NC	NNS	NC	ND	0	0	N	
Hexachloroethane	2.5	3	9	3	100	330	NNS	NC	490	NC	350	NC	490	NC	350	NC	490	NC	350	NC	850	NC	ND	0	0	N	
Indeno (1,2,3-cd) pyrene	0.048	none	0.49	none	1.9	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	ND	0	0	N	
Isophorone	37	40	2,600	960	1,500	4,910	NNS	NC	59,000	NC	43,000	NC	59,000	NC	43,000	NC	59,000	NC	43,000	NC	NNS	NC	ND	0	0	N	
Dichloromethane	5	NC	1,600	590	190	620	NNS	NC	97,000	NC	5,500	NC	97,000	NC	5,500	NC	97,000	NC	5,500	NC	NNS	NC	ND	0	0	N	
Malathion	none	140	none	NNS	none	18,670	none	NNS	none	NNS	none	0.1	none	NNS	none	0.1	none	NNS	none	0.1	none	NNS	--	--	--	--	
Methoxychlor	40	NC	NNS	NC	7,000	4,670	NNS	NC	NNS	NC	NNS	0.03	NNS	NC	NNS	0.03	NNS	NC	NNS	0.03	NNS	NC	ND	0	0	N	
Methylmercury (mg/kg)	none	NNS	none	0.3	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	--	--	--	--	
Mirex	none	NNS	none	NNS	none	NNS	none	NNS	none	NNS	none	0.001	none	NNS	none	0.001	none	NNS	none	0.001	none	NNS	--	--	--	--	
Naphthalene	140	NC	20,500	1,520	28,000	18,670	NNS	NC	1,100	NC	210	NC	3,200	NC	580	NC	3,200	NC	580	NC	NNS	NC	ND	0	0	N	
Nitrobenzene	3.5	4	1,900	140	700	470	NNS	NC	1,300	NC	850	NC	1,300	NC	850	NC	1,300	NC	850	NC	NNS	NC	ND	0	0	N	
N-nitrosodi-n-propylamine	0.005	NC	1.4	0.5	0.2	1	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	ND	0	0	N	
N-nitrosodimethylamine	0.001	NC	8	3	0.03	0.1	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	NNS	NC	ND	0	0	N	
N-nitrosodi-n-phenylamine	7.1	7	16	6	290	950	NNS	NC	2,900	NC	200	NC	2,900	NC	200	NC	2,900	NC	200	NC	NNS	NC	ND	0	0	N	
N-Decane	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	ND	0	0	N	
N-Octadecane	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	ND	0	0	N	
Oxamyl	200	NC	NNS	NC	35,000	23,330	NNS	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	ND	0	0	N	
Paraquat	none	30	none	NNS	none	4,200	none	NNS	none	100	none	54	none	100	none	54	none	100	none	54	none	NNS	--	--	--	--	
Parathion	none	NNS	none	NNS	none	NNS	none	NNS	none	0.07	none	0.01	none	0.07	none	0.01	none	0.07	none	0.01	none	NNS	--	--	--	--	
Pentachlorophenol	1	NC	1,000	370	12	40	NNS	NC	10.28 *j	NC	6.49 *j	NC	10.28 *j	NC	6.49 *j	NC	10.80 *j	NC	6.82 *j	NC	43.77 *j	NC	ND	0	0	N	
Permethrin	none	350	none	NNS	none	46,670	none	NNS	none	0.3	none	0.2	none	0.3	none	0.2	none	0.3	none	0.2	none	NNS	--	--	--	--	
Phenanthrene	NNS	NC	NNS	NC	NNS	NC	NNS	NC	30	NC	6.3	6.0	30	NC	6.3	6.0	54	30	6.3	6	NNS	NC	ND	0	0	N	
Phenol	4,200	2,100	1,000	35	840,000	280,000	NNS	NC	5,100	NC	730	NC	7,000	NC	1,000	NC	7,000	NC	1,000	NC	180,000	NC	ND	0	0	N	
Picloram	500	NC	24,300	NNS	98,000	NNS	NNS	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	ND	0	0	N	
PCB 1016	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	none	NC	ND	0	0	N	

Mt. Lemmon WWTF

Comparison of Standards in Current Rule (AAC R18-11) to 2007 Proposed Draft Standards SWQS

Constituent	Standards (ug/L)																						Results				
									SWQS																		
	DWS	*DWS draft*	FC	*FC draft*	FBC	*FBC draft*	AgI	*AgI draft*	A&W cold Acute	*A&W cold Acute - draft*	A&W cold Chronic	*A&W cold Chronic - draft*	A&W warm Acute	*A&W warm Acute - draft*	A&W warm Chronic	*A&W warm Chronic - draft*	A&W edw Acute	*A&W edw Acute - draft*	A&W edw Chronic	*A&W edw Chronic - draft*	A&We Acute	*A&We Acute - draft*	Average	Max	Min	Exceeds	
PCB 1221	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	ND	0	0	N	
PCB 1232	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	ND	0	0	N	
PCB 1242	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	ND	0	0	N	
PCB 1248	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	ND	0	0	N	
PCB 1254	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	ND	0	0	N	
PCB 1260	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	ND	0	0	N	
Polychlorinatedbiphenyls (PCBs)	0.5	*NC*	0.007	*0.00006*	28	*2*	0.001	*NC*	2	*NC*	0.01	*NC*	2	*NC*	0.02	*NC*	2	*NC*	0.02	*NC*	11	*NC*	ND	0	0	N	
Pyrene	210	*NC*	10,800	*800*	42,000	*28,000*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	ND	0	0	N	
Radium 226 + Radium 228 (pCi/L)	5	*NC*	none	none	none	none	none	none	none	none	none	none	none	none	none	none	none	none	none	none	none	none	--	--	--	--	
Simazine	4	*NC*	NNS	*NC*	7,000	*4,670*	NNS	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	ND	0	0	N	
Styrene	100	*NC*	NNS	*NC*	280,000	*186,670*	NNS	*NC*	5,600	*NC*	370	*NC*	5,600	*NC*	370	*NC*	5,600	*NC*	370	*NC*	NNS	*NC*	ND	0	0	N	
Tetrachloroethylene	5	*NC*	3,500	*260*	14,000	*9,330*	NNS	*NC*	2,600	*NC*	280	*NC*	6,500	*NC*	680	*NC*	6,500	*NC*	680	*NC*	15,000	*NC*	ND	0	0	N	
Toluene	1,000	*NC*	201,000	*12,000*	280,000	*74,670*	NNS	*NC*	8,700	*NC*	180	*NC*	8,700	*NC*	180	*NC*	8,700	*NC*	180	*NC*	NNS	*NC*	ND	0	0	N	
Toxaphene	3	*NC*	0.001	*0.0003*	1.3	*4*	0.005	*NC*	0.73	*0.7*	0.0002	*NC*	0.73	*0.7*	0.02	*0.0002*	0.73	*0.7*	0.02	*0.0002*	11	*NC*	ND	0	0	N	
1,2-trans-Dichloroethylene	100	*NC*	136,000	*10,130*	28,000	*18,670*	NNS	*NC*	68,000	*NC*	3,900	*NC*	68,000	*NC*	3,900	*NC*	68,000	*NC*	3,900	*NC*	NNS	*NC*	ND	0	0	N	
trans-1,3 Dichloropropene	2*n	*0.7*n*	1,700*n	*40*n*	420*n	*90*n*	NNS*n	*NNS*n*	3,000*n	*NC*n*	1,100*n	*NC*n*	3,000*n	*NC*n*	1,100*n	*NC*n*	3,000*n	*NC*n*	1,100*n	*NC*n*	NNS*n	*NC*n*	ND	0	0	N	
Tributylin	none	*NNS*	none	*NNS*	none	*NNS*	none	*NNS*	none	*0.5*	none	*0.07*	none	*0.5*	none	*0.07*	none	*0.5*	none	*0.07*	none	*NNS*	--	--	--	--	
Trichloroethylene	5	*NC*	203,200	*30*	280,000	*360*	NNS	*NC*	20,000	*NC*	1,300	*NC*	20,000	*NC*	1,300	*NC*	20,000	*NC*	1,300	*NC*	NNS	*NC*	ND	0	0	N	
Trichlorofloromethane	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	none	*NC*	ND	0	0	N	
Trihalomethanes (T)	100	***80***	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	**138.3**	**138.3**	**138.3**	Y	1 remains
Uranium	35D	*30 D*	NNS	*NNS*	NNS	*2,800*	NNS	*NNS*	NNS	*NNS*	NNS	*NNS*	NNS	*NNS*	NNS	*NNS*	NNS	*NNS*	NNS	*NNS*	NNS	*NNS*	--	--	--	--	
Vinyl chloride	2	*NC*	13	*5*	2	*6*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	ND	0	0	N	
Xylenes (T)	10,000	*NC*	NNS	*NC*	2,800,000	*186,670*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	NC	*NC*	NNS	*NC*	NNS	*NC*	NNS	*NC*	ND	0	0	N	

T	**8.53**	**°C**
pH	**7.125**	**s.u.**
Hardness	**82,875**	**ug/l**

The calculations in the footnotes were performed using these overall average baseline characteristics for Sabino Creek. See "Sabino Creek Baseline Data" sheet for additional information.

Key

- = violations of current standard
- = violations of current discharge limitations
- = NNS or none
- = more stringent standard
- = less stringent standard

D = Dissolved
T = Total

Bold Values = violation of draft standard
NC = No Change from previous value or quantity
NNS = No Numerical Standard
none = constituent not listed on table
ND = not detected
(--) = not analyzed