APPENDIX F
TARGET LOADING SPREADSHEETS

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F-1. Seasonal Nutrient Target Loads

Cs=	
TN	TP
1.0	**0.1**

Annual TMDLs	
TN	TP
31.9	**3.19**

				Total Phosphorus				Total Nitrogen			
Month	**Qa 4Q3 (mgd)**	**Addn'l Qe (mgd)**	**Combined Flow (mgd)**	**LA + GA (lbs/day)**	**MOS (lbs/day)**	**WLA (lbs/day)**	**Target Load (lbs/day)**	**LA + GA (lbs/day)**	**MOS (lbs/day)**	**WLA (lbs/day)**	**Target Load (lbs/day)**
January	3.693	0.100	3.793	1.54	0.16	1.46	3.16	19.0	1.58	11.1	31.6
February	3.693	0.100	3.793	1.54	0.16	1.46	3.16	19.0	1.58	11.1	31.6
March	3.693	0.100	3.793	1.54	0.16	1.46	3.16	19.0	1.58	11.1	31.6
April	3.693	0.100	3.793	1.54	0.16	1.46	3.16	19.0	1.58	11.1	31.6
May	14.97	0.100	15.07	6.13	0.63	5.80	12.56	75.4	6.28	44.0	126
June	14.97	0.100	15.07	6.13	0.63	5.80	12.56	75.4	6.28	44.0	126
July	8.559	0.050	8.609	3.50	0.36	3.32	7.18	43.1	3.59	25.1	71.8
August	8.559	0.050	8.609	3.50	0.36	3.32	7.18	43.1	3.59	25.1	71.8
September	6.321	0.020	6.341	2.58	0.26	2.44	5.29	31.7	2.64	18.5	52.9
October	6.321	0.020	6.341	2.58	0.26	2.44	5.29	31.7	2.64	18.5	52.9
November	3.693	0.100	3.793	1.54	0.16	1.46	3.16	19.0	1.58	11.1	31.6
December	3.693	0.100	3.793	1.54	0.16	1.46	3.16	19.0	1.58	11.1	31.6
Annual	**3.729**	**0.100**	**3.829**	**1.56**	**0.16**	**1.47**	**3.19**	**19.3**	**1.60**	**11.0**	**31.9**
			%TMDL	**49%**	**5%**	**46%**	**100%**	**60%**	**5%**	**35%**	**100%**
			LA=	**1.49**				**18.7**			
								Septic =	**5.17**		

****Seasonal allocations are based on ANNUAL percentages specified in Section 5.0 (and Appendix G)**
Target Load (TMDL) = Combined Flow (mgd) * C_s (mg/L) * 8.34; C_s = *numeric target*
Target Load (TMDL) = LA + GA + MOS + WLA

F-2. Seasonal WLAs and Effluent Concentration Limitations

		TP		TN: Phase 1	
Month	**Proposed Qe (mgd)**	**WLA (lbs/day)**	**Ce (TP) (mg/L)**	**WLA (lbs/day)**	**Ce (TN) (mg/L)**
January	0.200	1.46	0.87	11.1	6.64
February	0.200	1.46	0.87	11.1	6.64
March	0.200	1.46	0.87	11.1	6.64
April	0.200	1.46	0.87	11.1	6.64
May	0.200	5.80	3.48	44.0	26.4
June	0.200	5.80	3.48	44.0	26.4
July	0.100	3.32	3.98	25.1	30.1
August	0.100	3.32	3.98	25.1	30.1
September	0.040	2.44	7.32	18.5	55.5
October	0.040	2.44	7.32	18.5	55.5
November	0.200	1.46	0.87	11.1	6.64
December	0.200	1.46	0.87	11.1	6.64
Annual	**0.200**	**1.47**	**0.88**	**11.0**	**6.61**

Ce = (WLA/Qe) * 0.1199

Qe = Effluent Discharge (mgd)
Ce = Effluent Concentration (mg/L)
WLA = Waste Load Allocation (based on %TMDL)

F-3. Seasonal TN WLAs and effluent concentration limitations using a phased approach dependent on the percent septic capture in TSV

Month	Phase 2[a]: 25% Capture		Phase 3: 50% Capture		Phase 4: 75% Capture		Phase 5: 100% Capture	
	WLA (lbs/day)	Ce (TN) (mg/L)	WLA (lbs/day)	Ce (TN) (mg/L)	WLA (lbs/day)	Ce (TN) (mg/L)	WLA (lbs/day)	Ce (TN) (mg/L)
January	12.4	7.4	13.7	8.2	15.0	9.0	16.2	9.7
February	12.4	7.4	13.7	8.2	15.0	9.0	16.2	9.7
March	12.4	7.4	13.7	8.2	15.0	9.0	16.2	9.7
April	12.4	7.4	13.7	8.2	15.0	9.0	16.2	9.7
May	45.3	27	46.6	28	47.9	29	49.1	29.5
June	45.3	27	46.6	28	47.9	29	49.1	29.5
July	26.4	32	27.7	33	29.0	35	30.3	36.3
August	26.4	32	27.7	33	29.0	35	30.3	36.3
September	19.8	59	21.1	63	22.4	67	23.7	71.0
October	19.8	59	21.1	63	22.4	67	23.7	71.0
November	12.4	7.4	13.7	8.2	15.0	9.0	16.2	9.7
December	12.4	7.4	13.7	8.2	15.0	9.0	16.2	9.7
Annual	**12.3**	**7.4**	**13.6**	**8.2**	**14.9**	**8.9**	**16.2**	**9.7**

[a] Phase 1 (0% capture) presented in Table F-2.
TSV = Taos Ski Valley
WLA = Waste Load Allocation (based on %TMDL)
Ce = Effluent Concentration (mg/L)

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