



COMMUNITY DEVELOPMENT AGENCY

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October 1, 2013

Robert Larsen
California Regional Water Quality Control Board, Lahontan Region
2501 Lake Tahoe Blvd.
South Lake Tahoe, CA 96150

Subject: County of El Dorado Lake Tahoe Pollutant Load Reduction Progress Report

Dear Mr. Larsen:

The County of El Dorado (County) respectfully submits this Pollutant Load Reduction Progress Report, drafted in response to Section IV.F. of the County's Lake Tahoe Basin National Pollutant Discharge Elimination System (NPDES) Permit (Board Order # R6T-2011-0101A1). Section IV.F. requires the County to list all erosion control and storm water treatment projects completed between May 1, 2004 and October 15, 2011, calculate the respective pollutant load reduction estimates associated with each of those projects and compare those load reduction estimates to pollutant load requirements outlined in Permit Section IV.B.

The table below outlines the required information and includes the mass based load reduction estimates for fine sediment particles (FSP), total phosphorous (TP) and total nitrogen (TN) as described in Table IV.B.1 of the Board Order. The table also includes the Lake Clarity Credit requirements as described in Table IV.B.2 of the same Board Order. As you can see in the table, based upon Pollutant Load Reduction Model (PLRM) results, the County has achieved 261 Lake Clarity Credits from the projects it constructed within the date range (119% of target). Also, the County has exceeded its load reduction requirements for TP and TN from the projects listed. The County intends to register these projects in the Lake Clarity Crediting Program to demonstrate compliance with the Board Order.

We appreciate the opportunity to submit this information. If you wish to discuss this further, please do not hesitate to contact me at (530) 573-7905 or Russell Wigart at (530) 573-7924.

Sincerely,

Brendan Ferry
Principal Planner

List of All Projects Constructed Between May 1, 2004 and October 15, 2011 with Associated Load Reductions

- Including Number of Fine Sediment Particles, Mass Based Pollutant Loads and Lake Clarity Crediting Requirements

Project Name	Project Number	Year Constructed	UPC	TMDL Credits	FSP (lbs)	# of Particles	TSS (lbs)	TP (lbs)	SRP (lbs)	TN (lbs)	DIN (lbs)	
Apalachee 1	95154	2004	3	48	9,679	4.8E+17	16,067.6	34.2	4.1	112.2	13.2	
Apalachee 2	95185	2005	3	24	4,820	2.4E+17	7,837.2	14.5	1.6	42.8	5.5	
Apalachee 2A	95182	2006	3	5	923	4.6E+16	1,357.3	3.2	0.4	12.3	1.5	
Apalachee 3A	95184	2007	3	12	2,306	1.2E+17	4,183.3	10.6	1.4	49.3	6.2	
Apalachee 3B	95183	2008	3	17	3,459	1.7E+17	6,275.0	16.0	2.1	74.0	9.3	
Apalachee 3B.1	95183.1	2009	3	6	1,212	6.1E+16	1,743.5	3.1	0.3	9.3	1.2	
Christmas Valley 1	95151	2007	2	8	1,506	7.5E+16	3,003.3	9.6	2.2	53.9	6.7	
Christmas Valley 2A	95159	2009	2	29	5,869	2.9E+17	10,669.3	29.7	7.2	128.4	15.5	
Christmas Valley 2B	95189	2010	2	20	3,913	2.0E+17	7,112.9	19.8	4.8	85.6	10.3	
Angora 3	95160	2008	1	9	1,887	9.4E+16	3,613.3	11.8	2.1	52.4	6.0	
Angora Fire	97676	2007	1	47	9,386	4.7E+17	16,730.6	47.1	7.4	211.0	25.3	
Montgomery Estates 1A	95155	2011	4	15	2,924	1.5E+17	5,353.9	14.8	2.2	66.8	8.1	
Rubicon 5	95178	2010	6	9	1,702	8.5E+16	3,107.9	9.4	1.7	39.3	4.6	
Silver Tip	95141	2004	6	8	1,598	8.0E+16	2,919.1	9.2	1.7	40.8	4.7	
Tamarack	95145	2004	6	5	1,035	5.2E+16	1,871.7	5.7	1.0	24.4	2.8	
Total				261	52,218	2.6E+18	91,846	239	40	1,002	121	
Credits Required to Meet First Permit Term				220								
Percent Attainment of 5-Year TMDL Target				119%								
					Total Load Reduction (kg)	23,686		41,660	108	18	455	55
					County's Baseline Load		2.2E+19		1,043		4,082	
					County's Allowable Load		2.0E+19		970		3,755	
					County's Achieved Load		1.9E+19		935		3,627	