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Sierra Pacific Industries

Forestry Division • P.O. Box 496014 • Redding, California 96049-6014
Phone (530) 378-8000 • FAX (530) 378-8139

Anderson, November 22, 2004
Permits 19164 & 19165

Water Resource Control Board
Division of Water Rights
P.O. Box 2000
Sacramento, CA 95812-2000

Attn: Katherine Mrowka

Dear Ms. Mrowka:

In response to your November 16, 2004 concerning our Permits 19164 and 19165 and the issue of water availability over the past few years. We did have our meeting on site on March 30, 2004 as I mentioned in my previous letter. At that meeting I received documentation showing our water use for 2003 from Water Master Keith Dick and conformation of excess water that would be available in 2004. This information has been sent down to your office, and I've included a copy that documents with this letter.

I came away from the meeting feeling that progress had been made to resolve the issues brought up by DFG.

It was my understanding that the upstream diversion point seemed to meet their requirements but still needed a little work. The second diversion point is the area that needs to be improved for year around fish passage. We left that meeting with the intention of coming up with several solutions that would meet those requirements. We received a copy of the Shasta River Preliminary Engineering Report for Fish Screening/Passage Improvement prepared by Cascade Earth Sciences from Medford, Oregon, which was completed in April 2002. This was our first look at this report and after seeing the estimated cost of \$216,878 to \$250,628 to replace this existing structure we have been investigating some alternative options.

We hired a surveyor to come out and establish enough elevation points so that we could look at possibly relocating the point of diversion, put the water into a pipe and gravity feed it down into our irrigation system. We are currently trying to see if this will work.

During our meeting in March all the people involved felt that the river was in excellent shape, riparian areas were well developed and maintained so the only issue is juvenile fish passage during the summer months at the lower diversion point.

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We have received no further communications from DFG or your office until your recent letter. We feel we are working towards a solution and from the included water use report are using our excess water for the past two years. If you need further information about the water use, please contact the new Water Master, Joe Scott, at 1-800-700-2128 in the office at Red Bluff.

If you need anything further from me, please call me at (530) 378-8119.

Very truly yours,

SIERRA PACIFIC INDUSTRIES

A handwritten signature in black ink, appearing to read "Jack G. Frost", with a large, sweeping flourish extending to the right.

Jack G. Frost
Lands Forester

JGF/dz

EMERSON INVESTMENT INC.
2003 WATER Year
Shasto River

Stored water from Dwinell Res. was started
on June 26 @ 6 C.F.S.

ON 8-1-03 release for Emerson was up to 8 CFS
and continued until September Sept. 30.

Due to Dwinell Res almost filling and late
snow run off water supply stayed above 100%
all water master season for The Shasto River.

Water was spilling over Emerson's diversion
Dams all season

Flows for EMERSON Spring are Est.

Gravity Div. has a 2' PARSHALL Flume with
a F-Type recorder.

Elec Pumps also has 2' Parshall Flume with
F-Type Recorder

Est. Flows over 2 Six Foot Bays @ Lower Dam

		1-6'	1.6'	
5-30-03	.48	6.5	6.5	13 CFS
7-8-03	.38	4.6	4.6	9.2 CFS
8-13-03	.28	2.4	2.4	5.8 CFS
9-30-03	.10	.63	.63	1.2 CFS

Fish bypass were open and cleaned each visit

WATER MASTER
K.B. Dick

2003 WATER YEAR
EMERSON INVESTMENT, INC.

	April		May	
	Elect. Pumps GHT cfs	Gravity cfs	Elect. Pumps	Gravity
1			0	
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12	^{12hr} .62 1.9	^{12hr} .70 2.3		
13	3.8	.70 4.6		0
14	3.8	4.6		.76 5.2
15	3.8	4.6		.80 5.7
16	3.8	4.6		.78 5.4
17	3.8	4.6		.75 5.1
18	3.8	4.6	0	.75 5.1
19	3.8	4.6	1.0 8.0	.75 5.1
20	.62 3.8	4.6	.76 5.2	.70 4.6
21	.62 3.6	4.6	.76 5.2	.75 5.1
22	.98 7.8	4.6	.76 5.2	.80 5.7
23	.98 7.8	4.6	.70 4.6	.82 5.8
24	.98 7.8	4.6	.77 5.3	.80 5.7
25	.98 7.8	4.6	1.0 8.0	.76 5.2
26	.98 7.8	4.6	1.0 8.0	.75 5.1
27	.98 7.8	4.6	1.0 8.0	.75 5.1
28	.98 7.8	4.6	1.0 8.0	.75 5.1
29	.98 7.8	4.6	1.0 8.0	.75 5.1
30	.76 5.2	^{12hr} .70 2.3	1.0 8.0	.72 4.6
31	- - -	- - -	1.0 8.0	.70 4.6

105.5 cfs 78.2 cfs 89.5 cfs 93.5 cfs
 * 209 ac.ft 155 ac.ft * 178 ac.ft 185 ac.ft
 * Includes 2.0 cfs From Springs
 No stored water was used in April and May

EMERSON INVESTMENT, INC.
AUG

Day	Stored water To River 8 CFS	EMERSON Spring 2.0 CFS	Elect. Pumps GHT. 20.7 CFS	Gravity 5.1 CFS
1				.75
2			.80 5.7	5.1
3			.80 5.7	.75
4			.80 5.7	.75
5			.80 5.7	.74
6			.80 5.7	.74
7			.80 5.7	.74
8			.80 5.7	.74
9			.80 5.7	.74
10			.80 5.7	.74
11			.80 5.7	.74
12			.80 5.7	.74
13			.80 5.7	.74
14			.80 5.7	.74
15			.80 5.7	.74
16			.80 5.7	.74
17			.80 5.7	.74
18			.80 5.7	.74
19			.80 5.7	.74
20			.80 5.7	.74
21			.80 5.7	.74
22			.80 5.7	.74
23			.80 5.7	.74
24			.80 5.7	.74
25			.80 5.7	.74
26			.80 5.7	.74
27			.80 5.7	.74
28			.80 5.7	.74
29			.80 5.7	.74
30			.80 5.7	.74
31			.80 5.7	.74
	8	2.0	158.9 CFS	148.6 CFS
	248 CFS	62.0 CFS	315 ac FT	295 ac FT
	492 ac FT	123 ac FT	610 ac FT used	
	615 ac FT Supply			

EMERSON INVESTMENT, INC.
September

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	Stored water To River	Emerson Spring	Elect Pump		Gravity	
			GPH	CFS	GPH	CFS
1	8 CFS	2.0 CFS	.64	4.0	.75	5.1
2			.64	4.0	.78	5.4
3			.65	4.1	.78	5.4
4			.65	4.1	.78	5.4
5			.64	4.0	.72	4.8
6				4.0	.75	4.8
7				4.0	.75	4.8
8				4.0	.75	4.8
9				4.0	.74	5.4
10				4.0	.72	4.8
11				4.0	.72	4.8
12				4.0	.72	4.8
13				4.0	.72	4.8
14				4.0	.72	4.8
15				4.0	.72	4.8
16				4.0	.72	4.8
17			.64	4.0	.70	4.6
18			.65	4.1	.68	4.4
19				4.1	.80	5.7
20				4.1	.80	5.7
21				4.1	.85	6.1
22				4.1	.85	6.1
23				4.1	.85	6.1
24			.65	4.1	.85	6.1
25			.80	5.7	.90	6.7
26				5.7	.92	7.0
27				5.7	.92	7.0
28				5.7	.90	6.8
29				5.7	.90	6.8
30	8	2.0	3.0	5.7	.90	6.8
31		60 CFS				
	240 ac FT	119 ac FT				
	476 ac FT	595 ac FT Supplied		131 ac FT	388 ac FT	648 ac FT Used