

TO: BOARD OF DIRECTORS
FROM: BRUCE BUEL *BB*
DATE: AUGUST 22, 2008



LIMIT PRODUCTION FROM BLACKLAKE WELLS #3 AND #4

ITEM

Limit production from Blacklake Wells #3 and #4 to correspond to Blacklake Water Division demands [PROVIDE POLICY GUIDANCE].

BACKGROUND

Attached are summaries of NCSD well production for FY06-07 and FY07-08. It should be noted that the second intertie became active in October 2006 and that there was no transfer of Blacklake Water to the Town Division prior to October 2006. Also attached are summaries of Blacklake Water Division Consumption. Based on the attached comparison of production and demand, it appears that Blacklake Wells #3 and #4 produced 624.44 acre feet of water from October 2006 to June 2008; whereas Blacklake Consumption was 688.53 acre feet. In other words, the Blacklake Division did not export water to the Town Division.

Nevertheless, staff could establish controls on amount of production from the Blacklake Wells and controls on the time that the transfer pump operates so as to limit production to correspond to the previous two months of Blacklake Water use.

Staff estimates the cost of resetting the controls at about \$1,000 in consulting time.

RECOMMENDATION

Staff recommends that your Honorable Board discuss the options presented above and determine if future production from Blacklake #3 and #4 should be limited to correspond to the previous recorded demand.

ATTACHMENTS

- NCSD Well Production Records – FY06-07 and FY07-08
- Blacklake Demand Estimates – FY06-07 and FY07-08
- Comparison of Blacklake Well Production to Blacklake Demand

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**NIPOMO COMMUNITY SERVICES DISTRICT
GROSS WELL PRODUCTION-CORRECTED 11/2/07
JULY 1, 2006 TO JUNE 30, 2007**

TOWN DIVISION										SUBTOTAL	4 INCH	6 INCH	TOTAL	TOTAL
	EUREKA	VIA CONCHA	BEVINGTON	SUNDALE	OLYMPIC	CHURCH	KNOLLWOOD	BL #3	BL #4	TOTAL GALLONS	BYPASS TO BLACKLAKE	BYPASS TO BLACKLAKE	GALLONS TOWN	ACRE FEET TOWN
JULY	12,364,440	23,865,688	8,211,544	47,287,064	97,315	3,516	8,725,420	4,780,094	9,115,726	114,450,807	(2,075,700)	0	112,375,107	344.99
AUGUST	8,525,704	25,096,148	13,716,076	36,722,312	0	0	9,742,999	4,587,783	9,623,244	108,014,266	(1,525,172)	0	106,489,094	326.92
SEPTEMBER	961,180	18,841,372	11,552,112	45,512,060	0	0	8,333,019	4,704,920	9,632,071	99,536,734	(623,832)	0	98,912,902	303.66
OCTOBER	16,719,296	27,789,696	12,974,808	12,371,172	335,777	0	10,095,457	1,518,964	3,005,015	84,810,185	(3,879,128)	(5,174,664)	75,756,393	232.57
NOVEMBER	6,295,168	11,973,984	4,030,972	44,606,232	665,271	0	6,493,388	0	0	74,065,015	(5,755,112)	(5,841,132)	62,468,771	191.78
DECEMBER	5,236	3,333,088	2,395,844	45,841,928	184,681	0	2,406,690	0	0	54,167,467	(4,295,016)	(3,312,144)	46,560,307	142.94
JANUARY	37,961,000	18,248,208	42,636	2,977,788	1,272	150	22,590	320,817	640,886	60,215,347	(5,941,364)	(3,419,108)	50,854,875	156.12
FEBRUARY	8,395,552	17,215,968	10,400,192	141,372	289,401	2,768	6,757,133	44,506	4,413	43,251,305	(4,309,228)	(1,018,028)	37,924,049	116.43
MARCH	5,817,944	34,406,504	13,042,128	4,488	562,646	0	10,351,273	211,235	0	64,396,218	(4,556,068)	(5,621,220)	54,218,930	166.45
APRIL	4,152,896	15,549,424	8,238,472	41,169,920	684,644	0	6,055,584	178,174	0	76,029,114	(4,677,992)	(6,765,660)	64,585,462	198.28
MAY	15,436,476	20,114,468	12,539,472	33,754,996	655,472	0	8,665,356	0	153,639	91,319,879	(4,812,632)	(7,843,528)	78,663,719	241.50
JUNE	36,796,364	30,439,860	15,921,928	1,173,612	670,507	508,539	10,250,442	1,649,639	3,915,855	101,326,746	(7,687,944)	(5,221,040)	88,417,762	271.44
TOTAL M.G.	153,431,256	246,874,408	113,066,184	311,562,944	4,146,986	514,973	87,899,351	17,996,132	36,090,849	971,583,083	(50,139,188)	(44,216,524)	877,227,371	2693.09
TOTAL AF	471.03	757.90	347.11	956.50	12.73	1.58	269.85	55.25	110.80	2982.76	(153.93)	(135.74)	2693.09	

BL DIVISION			TOTAL	TOTAL
	4 INCH BYPASS FROM TOWN	6 INCH BYPASS FROM TOWN	GALLONS BL	ACRE FEET BLACKLAKE
JULY	2,075,700	0	2,075,700	6.37
AUGUST	1,525,172	0	1,525,172	4.68
SEPTEMBER	623,832	0	623,832	1.92
OCTOBER	3,879,128	5,174,664	9,053,792	27.80
NOVEMBER	5,755,112	5,841,132	11,596,244	35.60
DECEMBER	4,295,016	3,312,144	7,607,160	23.35
JANUARY	5,941,364	3,419,108	9,360,472	28.74
FEBRUARY	4,309,228	1,018,028	5,327,256	16.35
MARCH	4,556,068	5,621,220	10,177,288	31.24
APRIL	4,677,992	6,765,660	11,443,652	35.13
MAY	4,812,632	7,843,528	12,656,160	38.85
JUNE	7,687,944	5,221,040	12,908,984	39.63
TOTAL M.G.	50,139,188	44,216,524	94,355,712	289.67
TOTAL AF	153.93	135.74	289.67	0.00

		SUBTOTAL	TOTAL
BL #3	BL #4	GALLONS	ACRE FEET BLACKLAKE
4,780,094	9,115,726	13,895,820	42.66
4,587,783	9,623,244	14,211,027	43.63
4,704,920	9,632,071	14,336,991	44.01
1,518,964	3,005,015	4,523,979	13.89
0	0	0	0.00
0	0	0	0.00
320,817	640,886	961,703	2.95
44,506	4,413	48,919	0.15
211,235	0	211,235	0.65
178,174	0	178,174	0.55
0	153,639	153,639	0.47
1,649,639	3,915,855	5,565,494	17.09
17,996,132	36,090,849	54,086,981	166.05
55.25	110.80	166.05	0.00

TOTAL AF 2,982.76
BL AF (289.67)
TOWN AF 2,693.09

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**NIPOMO COMMUNITY SERVICES DISTRICT
GROSS WELL PRODUCTION
JULY 1, 2007 TO JUNE 30, 2008**

TOWN DIVISION										SUBTOTAL	4 INCH	6 INCH	TOTAL	TOTAL
	EUREKA	VIA CONCHA	BEVINGTON	SUNDALE	OLYMPIC	CHURCH	KNOLLWOOD	BL#3	BL#4	TOTAL GALLONS	BYPASS TO BLACKLAKE	BYPASS TO BLACKLAKE	GALLONS TOWN	ACRE FEET TOWN
JULY	39,066,544	22,977,064	14,369,828	0	675,294	3,434,891	8,624,216	4,215,429	13,089,102	106,452,368	(8,559,364)	(7,347,604)	90,545,400	277.97
AUGUST	36,132,888	21,513,228	11,115,280	840,752	602,140	0	7,633,789	4,012,272	12,911,602	94,761,951	(7,664,008)	(7,154,620)	79,943,323	245.43
SEPTEMBER	37,048,209	19,688,757	11,263,880	1,061,004	622,857	0	7,382,745	4,354,649	13,864,974	95,287,075	(7,480,524)	(6,335,561)	81,470,990	250.12
OCTOBER	23,297,208	14,393,016	9,679,120	10,392,712	607,301	0	6,661,015	1,529,136	14,758,190	81,317,698	(6,001,204)	(6,116,396)	69,200,098	212.44
NOVEMBER	3,882,120	9,237,052	7,685,700	21,371,108	210,487	0	7,700,136	6,728,410	3,395,857	60,210,870	(6,254,776)	(4,160,376)	49,795,718	152.87
DECEMBER	0	20,450,320	2,409,308	9,085,956	28,948	0	4,401,008	6,233,234	13,164,351	55,773,125	(6,211,392)	(754,732)	48,807,001	149.84
JANUARY	26,928	14,108,776	1,496	11,145,948	0	0	2,866,037	4,875,913	8,932,691	41,957,789	(4,969,712)	(123,420)	36,864,657	113.17
FEBRUARY	5,749,128	14,434,904	0	1,122,748	65,300	0	4,465,560	5,045,784	10,141,758	41,025,182	(5,051,244)	(249,084)	35,724,854	109.68
MARCH	11,829,620	29,575,920	0	105,468	0	0	9,429,737	6,936,354	13,222,022	71,099,121	(8,569,836)	(1,359,116)	61,170,169	187.79
APRIL	14,030,236	18,477,096	4,369,068	30,078,576	259,032	0	10,303,999	1,740,297	3,341,466	82,599,770	(7,117,220)	(4,344,384)	71,138,166	218.39
MAY	1,365,100	19,252,772	7,947,500	38,816,712	170,320	0	8,022,150	6,238,096	13,703,659	95,516,309	(6,480,672)	(5,402,056)	83,633,581	256.76
JUNE	2,455,684	21,562,586	8,898,208	38,648,412	584,712	0	8,766,710	5,575,742	13,748,240	100,240,294	(7,382,760)	(6,117,892)	86,739,642	266.29
TOTAL M.G.	174,883,665	225,671,491	77,739,388	162,669,396	3,826,391	3,434,891	86,257,102	57,485,316	134,273,912	926,241,552	(81,742,712)	(49,465,241)	795,033,599	2440.75
TOTAL AF	536.89	692.81	238.66	499.40	11.75	10.55	264.81	176.48	412.22	2843.56	(250.95)	(151.86)	2440.75	

BL DIVISION	4 INCH	6 INCH	TOTAL	TOTAL
	BYPASS FROM TOWN	BYPASS FROM TOWN	GALLONS BL	ACRE FEET BLACKLAKE
JULY	8,559,364	7,347,604	15,906,968	48.83
AUGUST	7,664,008	7,154,620	14,818,628	45.49
SEPTEMBER	7,480,524	6,335,561	13,816,085	42.42
OCTOBER	6,001,204	6,116,396	12,117,600	37.20
NOVEMBER	6,254,776	4,160,376	10,415,152	31.97
DECEMBER	6,211,392	754,732	6,966,124	21.39
JANUARY	4,969,712	123,420	5,093,132	15.64
FEBRUARY	5,051,244	249,084	5,300,328	16.27
MARCH	8,569,836	1,359,116	9,928,952	30.48
APRIL	7,117,220	4,344,384	11,461,604	35.19
MAY	6,480,672	5,402,056	11,882,728	36.48
JUNE	7,382,760	6,117,892	13,500,652	41.45
TOTAL M.G.	81,742,712	49,465,241	131,207,953	402.81
TOTAL AF	250.95	151.86	402.81	0.00

BL #3	BL #4	SUBTOTAL	TOTAL
		TOTAL GALLONS	ACRE FEET BLACKLAKE
4,215,429	13,089,102	17,304,531	53.12
4,012,272	12,911,602	16,923,874	51.96
4,354,649	13,864,974	18,219,623	55.93
1,529,136	14,758,190	16,287,326	50.00
6,728,410	3,395,857	10,124,267	31.08
6,233,234	13,164,351	19,397,585	59.55
4,875,913	8,932,691	13,808,604	42.39
5,045,784	10,141,758	15,187,542	46.63
6,936,354	13,222,022	20,158,376	61.89
1,740,297	3,341,466	5,081,763	15.60
6,238,096	13,703,659	19,941,755	61.22
5,575,742	13,748,240	19,323,982	59.32
57,485,316	134,273,912	191,759,228	588.70
176.48	412.22	588.70	0.00

TOTAL AF 2,843.56
BL AF (402.81)
TOWN AF 2,440.75

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NIPOMO COMMUNITY SERVICES DISTRICT
BLACKLAKE CONSUMPTION
ACRE FEET

	FY 05-06	FY 06-07	FY 07-08
JUL	0.34	0.2	0.21
AUG	68.13	70.61	78.4
SEPT	0.43	0.47	0.13
OCT	90.27	87.31	93.84
NOV	0.9	1.81	0.27
DEC	72.75	61.91	54.15
JAN	0.06	0.05	0.05
FEB	32.2	49.54	34.51
MAR	0.13	0.02	0.3
APR	38.06	39.99	39.98
MAY	0.06	0.19	0
JUN	60.92	77.52	68.35
	<u>364.25</u>	<u>389.62</u>	<u>370.19</u>

COMPARISON OF BL WELL PRODUCTION AND CONSUMPTION				
YEAR/MONTH	BL#3 & #4 Pumpage	BL Consumption	Difference	Cumulative Difference
Year 2006				
October	13.89	87.31	-73.42	-73.42
November	0	1.81	-1.81	-75.23
December	0	61.91	-61.91	-137.14
Year 2007				
January	2.95	0.05	2.9	-134.24
February	0.15	49.54	-49.39	-183.63
March	0.65	0.02	0.63	-183
April	0.55	39.99	-39.44	-222.44
May	0.47	0.19	0.28	-222.16
June	17.09	77.52	-60.43	-282.59
July	53.12	0.21	52.91	-229.68
August	51.96	78.4	-26.44	-256.12
September	55.93	0.13	55.8	-200.32
October	50	93.84	-43.84	-244.16
November	31.08	0.27	30.81	-213.35
December	59.55	54.15	5.4	-207.95
Year 2008				
January	42.39	0.05	42.34	-165.61
February	46.63	34.51	12.12	-153.49
March	61.89	0.3	61.59	-91.9
April	15.6	39.98	-24.38	-116.28
May	61.22	0	61.22	-55.06
June	59.32	68.35	-9.03	-64.09

TOTAL 624.44 688.53 -64.09

NOTE: BL Consumption does not include unaccounted water