California Regional Water Quality Control Board, Colorado River Basin
Prosecution Team Evidence
on the matter of
Administrative Civil Liability Complaint R7-2014-0041
Exhibit 20

Data

Angel, Jose@Waterboards

Sent: Thursday, April 03, 2014 9:58 AM
To: Yazmin Arellano [YArellano@brawley-ca.gov]
Importance: High
Attachments: NBC-slugs-refined.pdf (7 KB)

The reason I need the data is to complete as much as possible the attached table. Thanks.

Jose L. Angel, P.E.
Assistan Executive Officer
Regional Water Quality Control Board, Colorado River Basin
(760) 776-8932

Examples of NBC's TSS Slugs into the POTW				
Month/Year	Date	Flow (gpd)	TSS (mg/L)	TSS (lbs/day)
Dec-08	9	651428	1734	9418
	30	672857	2230	12514
Jan-09	14	697857	1711	9955
Apr-09	15	679,285	2510	14220
May-09	7	755,714	4706	29660
Jun-09	11	723,571	2034	12274
Jul-09	16	655,000	2286	12488
	23	661,428	1669	9204
	30	658,857	2569	14114
Nov-09	25	842,571	1686	11844
Dec-09	9	913,714	2606	19855
	16	789,000	1218	8011
	23	678,857	4519	25585
Jan-10	20	723,857	3072	18546
Feb-10	3	861,285	1647	11827
Jun-10	17	929,000	1367	10591
Jan-11	12	895,857	3290	24581
	19	826,571	8114	55935
	26	862,000	3250	23365
Feb-11	16	900,142	4340	32581
	23	870,142	6006	43585
Mar-11	2	888,428	3096	22940
	9	883,285	3042	22409
	16	690,178	7600	43746

Angel, Jose@Waterboards

From: Angel, Jose@Waterboards
Sent: Tuesday, April 08, 2014 11:12 AM
To: Arellano-Torres, Yazmin@BRAWLEY-CA@DOT
Subject: FW: 2011-2013 NB composites

Importance: High

I sent this message to Ruben. He keeps sending me data that either I already have or do not relate to what I asked. I don't want to trouble him by sending him the same message and continuing to ask him for data--I've been doing for the last couple of week--I'm sure he's tired of that.

Can you please provide me with monthly average flow data for the NBC discharge into the City WWTP for the following months:

1. Oct and Nov 2010;
2. Nov and Dec 2011;
3. Jan, Nov and Dec 2012;
4. Nov and Dec 2013; and
5. Any data that are available for 2002 and for Jan through Oct 2003. (I understand the city may not have any. Just in case my understanding is incorrect).

Anything you can do to expedite this is greatly appreciated. Thanks.

_____
From: Angel, Jose@Waterboards
Sent: Tuesday, April 08, 2014 10:10 AM
To: Ruben Mireles
Subject: RE: 2011-2013 NB composites

Thanks Ruben. Any chance you can send me today the monthly average wastewater flow used by Finance for NBC for the following months:

1. January 2010 (I got this one from you, but need to verify it again); 2. Oct and Nov 2010; 3. Nov and Dec 2011; 4. Jan, Nov and Dec 2012; 5. Nov and Dec 2013; and 6. Any flow data for 2002 and Jan through Oct 2003.

Thanks.

_____
From: Ruben Mireles [RMireles@brawley-ca.gov]
Sent: Monday, April 07, 2014 3:57 PM
To: Angel, Jose@Waterboards
Cc: Arellano-Torres, Yazmin@BRAWLEY-CA@DOT
Subject: FW: 2011-2013 NB composites

Resending requested data

-----Original Message-----
From: David Arvizu
Sent: Thursday, April 03, 2014 7:36 AM
To: Ruben Mireles
Subject: 2011-2013 NB composites

David Arvizu

Pretreatment & Distribution
City of Brawley
Office (760) 344-5803
Fx (760) 344-1945
DArvizu@brawley-ca.gov

Angel, Jose@Waterboards

From: Yazmin Arellano <YArellano@brawley-ca.gov>
Sent: Wednesday, April 09, 2014 10:13 AM
To: Angel, Jose@Waterboards
Subject: RE: 2011-2013 NB composites
Attachments: DATA FROM FINANCE FROM EARLY 2000'S.pdf

Hi Jose, we had an emergency water break yesterday and a Council Meeting and I was not able to gather the information for you, please see the answers below.

I also attached a spreadsheet from the Finance Department that has information to the early years of the beef plant. The flow is listed as 1000 gallons and the months are numbered 1-12.

Hope this helps.

Sincerely,

Yazmin Arellano-Torres, P.E.
Public Works Director/City Engineer
City of Brawley
180 S. Western Avenue, Brawley, CA 92227 Phone (760) 344-5800 Ext. 19 Fax (760) 344-5612

-----Original Message-----
From: Angel, Jose@Waterboards [mailto:Jose.Angel@waterboards.ca.gov]
Sent: Tuesday, April 08, 2014 11:12 AM
To: Yazmin Arellano
Subject: FW: 2011-2013 NB composites
Importance: High

I sent this message to Ruben. He keeps sending me data that either I already have or do not relate to what I asked. I don't want to trouble him by sending him the same message and continuing to ask him for data--I've been doing for the last couple of week--I'm sure he's tired of that.

Can you please provide me with monthly average flow data for the NBC discharge into the City WWTP for the following months:

1. Oct and Nov 2010;OCTOBER 2010=893,857 GPD AVERAGE; NOVEMBER 2010=876,285GPD AVE 2. Nov and Dec 2011;NOV 2011= 1,708,086GPD; DEC 2011=1,710,680GPD 3. Jan, Nov and Dec 2012; JAN 2012=1,676,791GPD; NOV 2012=1,490,945GPD; DEC 2012=1,486,598GPD 4. Nov and Dec 2013; NOV 2013=1,351,995GPD; DEC 2013=1,493,598GPD 5. Any data that are available for 2002 and for Jan through Oct 2003. (I understand the city may not have any. Just in case my understanding is incorrect). ATTACHED.

Anything you can do to expedite this is greatly appreciated. Thanks.

_____
From: Angel, Jose@Waterboards

Sent: Tuesday, April 08, 2014 10:10 AM
To: Ruben Mireles
Subject: RE: 2011-2013 NB composites

Thanks Ruben. Any chance you can send me today the monthly average wastewater flow used by Finance for NBC for the following months:

1. January 2010 (I got this one from you, but need to verify it again); 2. Oct and Nov 2010; 3. Nov and Dec 2011; 4. Jan, Nov and Dec 2012; 5. Nov and Dec 2013; and 6. Any flow data for 2002 and Jan through Oct 2003.

Thanks.

_____
From: Ruben Mireles [RMireles@brawley-ca.gov]
Sent: Monday, April 07, 2014 3:57 PM
To: Angel, Jose@Waterboards
Cc: Arellano-Torres, Yazmin@BRAWLEY-CA@DOT
Subject: FW: 2011-2013 NB composites

Resending requested data

-----Original Message-----
From: David Arvizu
Sent: Thursday, April 03, 2014 7:36 AM
To: Ruben Mireles
Subject: 2011-2013 NB composites

David Arvizu

Pretreatment & Distribution
City of Brawley
Office (760) 344-5803
Fx (760) 344-1945
DArvizu@brawley-ca.gov

City of Brawley
Actual & pro forma charges to Brawley/National Beef

year	month	wastewater discharge (1,000's gal)	ratio ww/w	actual ww charges to beef plant	rate	water usage (1,000's gal)	actual water charges to beef plant	discounted rate per agreement	full commercial rate	full commercial charge	amount undercharged		
2001	8			250.00	est.	10,000	250.00		1.57	15,700.00	15,450.00	* 1/2 month	
2001	9			500.00	est.	20,000	500.00		1.57	31,400.00	30,900.00		
2001	10			500.00	est.	20,000	500.00		1.57	31,400.00	30,900.00		
2001	11			500.00	est.	20,000	500.00		1.57	31,400.00	30,900.00		
2001	12			500.00	est.	20,000	500.00		1.57	31,400.00	30,900.00		
2002	1			500.00	est.	20,000	500.00		1.57	31,400.00	30,900.00	mtr inst 1-2-02	
2002	2			500.00	est.	20,000	500.00		1.57	31,400.00	30,900.00		
2002	3			500.00	est.	20,000	500.00		1.57	31,400.00	30,900.00		
2002	4			500.00	est.	20,000	500.00		1.57	31,400.00	30,900.00		
2002	5			500.00	est.	20,000	500.00		1.57	31,400.00	30,900.00		
2002	6			500.00	est.	20,000	500.00		1.57	31,400.00	30,900.00		
2002	7			500.00		25,710	500.00		1.57	40,364.70	39,864.70		
2002	8			500.00		28,800	500.00		1.57	45,216.00	44,716.00		
2002	9			500.00		22,600	500.00		1.57	35,482.00	34,982.00		
2002	10			500.00		26,310	500.00		1.57	41,306.70	40,806.70		
2002	11			500.00		22,740	500.00		1.57	35,701.80	35,201.80		
2002	12			500.00		27,470	500.00		1.57	43,127.90	42,627.90		
2003	1			500.00		22,800	500.00		1.57	35,796.00	35,296.00		
2003	2			500.00		22,280	500.00		1.57	34,979.60	34,479.60		
2003	3			500.00		26,540	500.00		1.57	41,667.80	41,167.80		
2003	4			500.00		19,690	500.00		1.57	30,913.30	30,413.30		
2003	5			500.00		22,040	500.00		1.57	34,602.80	34,102.80		
2003	6			500.00		25,400	500.00		1.57	39,878.00	39,378.00		
2003	7			500.00		28,000	500.00		1.57	43,960.00	43,460.00		
2003	8			500.00		24,570	500.00		1.57	38,574.90	38,074.90		
2003	9			500.00		18,450	500.00		1.57	28,966.50	28,466.50		
2003	10			500.00		24,000	500.00		1.57	37,680.00	37,180.00		
2003	11	13,134	0.5473	5,122.26	0.39	24,000	12,720.00	0.53	1.79	42,960.00	30,240.00		
2003	12	12,855	0.5356	5,200.26	0.40	24,000	12,720.00	0.53	1.79	42,960.00	30,240.00		
2004	1	11,427	0.5194	4,456.53	0.39	22,000	11,660.00	0.53	1.79	39,380.00	27,720.00		
2004	2	12,609	0.4760	4,917.51	0.39	26,490	14,039.70	0.53	1.79	47,417.10	33,377.40		
2004	3	13,162	0.6105	5,133.18	0.39	21,560	11,426.80	0.53	1.79	38,592.40	27,165.60		
2004	4	12,397	0.5943	4,834.83	0.39	20,860	11,055.80	0.53	1.79	37,339.40	26,283.60		
2004	5	14,893	0.5250	5,808.27	0.39	28,370	14,936.10	0.53	1.79	50,782.30	35,846.20		
2004	6	13,929	0.5112	5,432.31	0.39	27,250	14,442.50	0.53	1.79	48,777.50	34,335.00		
2004	7	15,265	0.5415	5,953.35	0.39	28,190	14,940.70	0.53	1.79	50,460.10	35,519.40		
2004	8	13,447	0.5029	5,244.33	0.39	26,740	14,172.20	0.53	1.79	47,864.60	33,692.40		
2004	9	16,111	0.5333	6,283.29	0.39	30,210	16,011.30	0.53	1.79	54,075.90	38,064.60		
2004	10	16,188	0.5175	6,313.32	0.39	31,280	16,578.40	0.53	1.79	55,991.20	39,412.80		
2004	11	15,783	0.5663	6,155.37	0.39	27,870	14,771.10	0.53	1.79	49,887.30	35,116.20		
2004	12	13,537	0.5626	5,279.43	0.39	24,060	12,751.80	0.53	1.79	43,067.40	30,315.60		
2005	1	12,625	0.5518	4,923.75	0.39	22,880	12,126.40	0.53	1.79	40,955.20	28,828.80		
2005	2	13,941	0.4465	5,439.99	0.39	31,220	16,546.60	0.53	1.79	55,883.80	39,337.20		
2005	3	13,360	0.7065	5,210.40	0.39	18,910	10,022.30	0.53	1.79	33,848.90	23,826.60		
2005	4	10,943	0.5499	4,267.77	0.39	19,900	10,547.00	0.53	1.79	35,621.00	25,074.00		
2005	5	14,007	0.4833	5,462.73	0.39	28,980	15,359.40	0.53	1.79	51,874.20	36,514.80		
2005	6	14,402	0.5702	5,640.15	0.39	25,260	13,387.80	0.53	1.79	45,215.40	31,827.60		
2005	7	15,220	0.4916	5,935.80	0.39	30,960	16,408.80	0.53	1.79	55,418.40	39,009.60		
2005	8	15,179	0.5639	5,919.81	0.39	26,920	14,267.60	0.53	1.79	48,186.80	33,919.20		
2005	9	13,647	0.4999	5,322.33	0.39	27,300	14,469.00	0.53	1.79	48,867.00	34,398.00		
2005	10	13,379	0.5508	5,217.81	0.39	24,290	12,873.70	0.53	1.95	47,365.50	34,491.80	8.94%	
2005	11	10,770	0.5073	4,200.33	0.39	21,230	11,251.90	0.53	1.95	41,398.50	30,146.60		
2005	12	14,251	0.5186	5,557.89	0.39	27,480	14,564.40	0.53	1.95	53,586.00	39,021.60		
2006	1	16,158	0.5714	6,301.62	0.39	28,280	14,988.40	0.53	1.95	55,146.00	40,157.60		
2006	2	15,095	0.4646	5,887.05	0.39	32,490	17,219.70	0.53	1.95	63,355.50	46,135.80		
2006	3	16,408	0.6480	6,399.12	0.39	25,320	13,419.60	0.53	1.95	49,374.00	35,954.40		
2006	4	17,251	0.5534	6,727.89	0.39	31,170	16,520.10	0.53	1.95	60,781.50	44,261.40		
2006	5	15,408	0.4537	6,009.12	0.39	33,960	17,998.80	0.53	1.95	66,222.00	48,223.20		1,993,125.00
2006	6	17,755	0.5897	6,924.45	0.39	30,110	15,958.30	0.53	1.95	58,714.50	42,756.20	Nat'l Beef in 6/1/2006	
2006	7	18,907	0.7636	7,373.73	0.39	24,760	13,122.80	0.53	1.95	48,282.00	35,159.20		
2006	8	19,348	0.5398	7,545.72	0.39	35,840	18,995.20	0.53	1.95	69,888.00	50,892.80		
2006	9	21,974	0.5631	8,569.86	0.39	39,020	20,680.60	0.53	1.95	76,089.00	55,408.40		

City of Brawley
Actual & pro forma charges to Brawley/National Beef

year	month	wastewater discharge (1,000's gal)	ratio ww/w	actual ww charges to beef plant	rate	water usage (1,000's gal)	actual water charges to beef plant	discounted rate per agreement	full commercial rate	full commercial charge	amount undercharged		water chg under "agreement"	protested water chg	protested util tax
2006	10	17,194	0.4444	6,705.66	0.39	38,690	20,505.70	0.53	1.95	75,445.50	54,939.80				
2006	11	18,026	0.6888	7,030.14	0.39	26,170	13,870.10	0.53	1.95	51,031.50	37,161.40				
2006	12	16,205	0.4019	6,319.95	0.39	40,320	21,369.60	0.53	1.95	78,624.00	57,254.40				
2007	1	21,422	0.5818	8,354.58	0.39	36,820	19,514.60	0.53	1.95	71,799.00	52,284.40				
2007	2	20,285	0.5122	7,911.15	0.39	39,600	20,988.00	0.53	1.95	77,220.00	56,232.00				
2007	3	20,955	0.6393	8,172.45	0.39	32,780	17,373.40	0.53	1.95	63,921.00	46,547.60				
2007	4	19,320	0.4726	7,534.80	0.39	40,880	21,666.40	0.53	1.95	79,716.00	58,049.60				
2007	5	21,350	0.6043	8,326.50	0.39	35,330	18,724.90	0.53	1.95	68,893.50	50,168.60				
2007	6	19,955	0.5113	7,782.45	0.39	39,030	20,685.90	0.53	1.95	76,108.50	55,422.60				
2007	7	20,590	0.4861	8,030.10	0.39	42,360	22,450.80	0.53	1.95	82,602.00	60,151.20				
2007	8	20,645	0.5883	8,051.55	0.39	35,090	18,597.70	0.53	1.95	68,425.50	49,827.80				
2007	9	20,000	0.4844	7,800.00	0.39	41,290	21,883.70	0.53	1.95	80,515.50	58,631.80				
2007	10	16,950	0.5051	6,610.50	0.39	33,560	17,786.80	0.53	1.95	65,442.00	47,655.20				
2007	11	19,925	0.5231	7,525.05	0.38	38,090	20,187.70	0.53	1.95	74,275.50	54,087.80				
2007	12	21,475	0.5675	8,375.25	0.39	37,840	20,055.20	0.53	1.95	73,788.00	53,732.80				
2008	1	20,450	0.5100	7,975.50	0.39	40,100	21,253.00	0.53	1.95	78,195.00	56,942.00				
2008	2	21,335	0.5802	8,320.65	0.39	36,770	19,488.10	0.53	1.95	71,701.50	52,213.40				
2008	3	24,275	0.4996	9,467.25	0.39	48,590	25,752.70	0.53	1.95	94,750.50	68,997.80				
2008	4	17,845	0.4169	6,959.55	0.39	42,800	22,684.00	0.53	1.95	83,460.00	60,776.00				
2008	5	24,040	0.4970	9,375.60	0.39	48,370	25,636.10	0.53	1.95	94,321.50	68,685.40				
2008	6	21,130	0.3913	8,240.70	0.39	54,000	28,620.00	0.53	1.95	105,300.00	76,680.00				
2008	7	20,725	0.5328	8,082.75	0.39	38,900	20,617.00	0.53	1.95	75,855.00	55,238.00				
2008	8	17,720	0.3671	6,910.80	0.39	48,270	25,583.10	0.53	1.95	94,126.50	68,543.40				
2008	9	22,200	0.5045	8,658.00	0.39	44,000	23,320.00	0.53	1.95	85,800.00	62,480.00				
2008	10	18,575	0.4161	10,959.25	0.59	44,640	36,381.60	0.815	1.95	87,048.00	50,666.40				
2008	11	19,590	0.3790	20,504.85	1.05	51,690	42,127.35	0.815	1.95	100,795.50	58,668.15				
2008	12	20,714	0.4600	21,411.47	1.03	45,030	58,133.73	1.291	1.95	87,808.50	29,674.77				
2009	1	19,705	0.5046	28,055.98	1.42	39,050	50,413.55	1.291	1.95	76,147.50	25,733.95				
2009	2	20,650	0.4269	52,590.77	2.55	48,370	62,445.67	1.291	1.95	94,321.50	31,875.83				
2009	3	20,450	0.4977	44,547.91	2.18	41,090	53,047.19	1.291	1.95	80,125.50	27,078.31	old/new meter			
2009	4	19,410	0.3920	29,613.02	1.53	49,510	63,917.41	1.291	1.95	96,544.50	32,627.09				
2009	5	21,930	0.5304	39,976.71	1.82	41,350	53,382.85	1.291	1.95	80,632.50	27,249.65				
2009	6	22,575	0.4712	49,255.01	2.18	47,910	61,851.81	1.291	1.95	93,424.50	31,572.69				
2009	7	21,265	0.4452	62,174.95	2.92	47,760	61,658.16	1.291	1.95	93,132.00	31,473.84				
2009	8	20,565	0.4033	51,084.59	2.48	50,990	65,828.09	1.291	1.95	99,430.50	33,602.41				
2009	9	20,097	0.4085	66,558.19	3.31	49,200	63,517.20	1.291	1.95	95,940.00	32,422.80				
2009	10	25,112	0.5096	25,580.63	1.02	49,280	63,620.48	1.291	1.95	96,096.00	32,475.52				
2009	11	24,581	0.5663	28,631.57	1.16	43,410	78,159.70		2.13	92,463.30	14,303.60	1/2 disc rate; 1/2 full rate	56,042.31	(22,117.39)	(884.70)
2009	12	25,937	0.5653	19,252.97	0.74	45,880	105,982.80		2.31	105,982.80	0.00	18.46%	63,635.56	(42,347.24)	(1,693.89)
2010	1	25,367	0.4833	57,926.75	2.28	52,490	121,251.90		2.31	121,251.90	0.00		72,803.63	(48,448.27)	(1,937.93)
2010	2	23,482	0.4637	151,792.83	6.46	50,640	116,978.40		2.31	116,978.40	0.00		70,237.68	(46,740.72)	(1,869.63)
2010	3	30,310	0.5545	98,257.67	3.24	54,659	126,262.29		2.31	126,262.29	0.00	inc 5,099 hyd meter usage	75,812.03	(38,671.57)	(1,546.86)
2010	4	26,881	0.6030	78,277.06	2.91	44,576	102,970.56		2.31	102,970.56	0.00	inc 4,266 hyd meter usage	61,826.91	(31,289.19)	(1,251.57)
2010	5	26,280	0.5480	32,381.08	1.23	47,960	110,787.60		2.31	110,787.60	0.00		66,520.52	(44,267.08)	(1,770.68)
2010	6	28,735	0.5660	38,142.54	1.33	50,770	117,278.70		2.31	117,278.70	0.00		70,417.99	(46,860.71)	(1,874.43)
2010	7	0	0.0000	37,361.76	#DIV/0!	57,160	132,039.60		2.31	132,039.60	0.00		79,280.92	(52,758.68)	(2,110.35)
2010	8	0	0.0000	80,349.92	#DIV/0!	51,400	118,734.00		2.31	118,734.00	0.00		71,291.80	(47,442.20)	(1,897.69)
2010	9	0	0.0000	120,673.84	#DIV/0!	55,460	128,112.60		2.31	128,112.60	0.00		76,923.02	(51,189.58)	(2,047.58)
2010	10	0	0.0000	56,387.39	#DIV/0!	51,750	119,542.50		2.31	119,542.50	0.00		71,777.25	(47,765.25)	(1,910.61)
2010	11			52,198.26		45,890	106,005.90		2.31	106,005.90	0.00		63,649.43	(42,356.47)	(1,694.26)
2010	12			48,788.08		51,140	140,123.60		2.74	140,123.60	0.00		78,909.02	(61,214.58)	(2,448.58)
2011	1			56,674.33		49,160	134,698.40		2.74	134,698.40	0.00		75,853.88	(58,844.52)	(2,353.78)
2011	2			80,894.83		42,300	115,902.00		2.74	115,902.00	0.00		65,268.90	(50,633.10)	(2,025.32)
new meter/full mos.						1,130,645	3,635,974.94			7,635,444.55	3,999,469.61			(732,946.55)	(29,317.86)
1/2 mo, new meter						27,470									
												total protested			(762,264.41)
subtot usage / new meter						1,158,115									
old meter/full mos.						2,734,990									
1/2 mo, old meter						13,620									

NBC_ACLC_PT-000817

City of Brawley
Actual & pro forma charges to Brawley/National Beef

year	month	wastewater discharge (1,000's gal)	ratio ww/w	actual ww charges to beef plant	rate	water usage (1,000's gal)	actual water charges to beef plant	discounted rate per agreement	full commercial rate	full commercial charge	amount undercharged
subtot usage / old meter						2,748,610					
combined usage						3,906,725					
				13,000 @ 1.387			18,031.00	rate per "agreement"; to increase $.10 per year, plus percentage increase approved in Prop 218 rate increases, until equal to full commercial rate.			
				30,333 @ 2.01			60,969.33	rate @ "cost"; to increase $.20 per year, plus percentage increase approved in Prop. 218 increases, until equal to full commercial rate.			
				13,516 @ 2.31			26,163.06	full commercial rate			
							105,163.39	total of pro forma bill			
							21,098.90	savings over full commercial rate			

Angel, Jose@Waterboards

From: Angel, Jose@Waterboards
Sent: Wednesday, April 09, 2014 10:24 AM
To: Yazmin Arellano
Subject: RE: 2011-2013 NB composites

Thanks Yazmin and I understand you folks were busy.

I already have that spreadsheet. I just need to make sure the city does not have flow data for the slaughterhouse from Nov 2001 to Oct 2003. Is that the case? Thanks again.

_____
From: Yazmin Arellano [YArellano@brawley-ca.gov]
Sent: Wednesday, April 09, 2014 10:13 AM
To: Angel, Jose@Waterboards
Subject: RE: 2011-2013 NB composites

Hi Jose, we had an emergency water break yesterday and a Council Meeting and I was not able to gather the information for you, please see the answers below.

I also attached a spreadsheet from the Finance Department that has information to the early years of the beef plant. The flow is listed as 1000 gallons and the months are numbered 1-12.

Hope this helps.

Sincerely,

Yazmin Arellano-Torres, P.E.
Public Works Director/City Engineer
City of Brawley
180 S. Western Avenue, Brawley, CA 92227 Phone (760) 344-5800 Ext. 19 Fax (760) 344-5612

-----Original Message-----
From: Angel, Jose@Waterboards [mailto:Jose.Angel@waterboards.ca.gov]
Sent: Tuesday, April 08, 2014 11:12 AM
To: Yazmin Arellano
Subject: FW: 2011-2013 NB composites
Importance: High

I sent this message to Ruben. He keeps sending me data that either I already have or do not relate to what I asked. I don't want to trouble him by sending him the same message and continuing to ask him for data--I've been doing for the last couple of week--I'm sure he's tired of that.

Can you please provide me with monthly average flow data for the NBC discharge into the City WWTP for the following months:

1. Oct and Nov 2010;OCTOBER 2010=893,857 GPD AVERAGE; NOVEMBER 2010=876,285GPD AVE 2. Nov and Dec 2011;NOV 2011= 1,708,086GPD; DEC 2011=1,710,680GPD 3. Jan, Nov and Dec 2012; JAN 2012=1,676,791GPD; NOV 2012=1,490,945GPD; DEC 2012=1,486,598GPD 4. Nov and Dec 2013; NOV 2013=1,351,995GPD; DEC 2013=1,493,598GPD 5. Any data that are available for 2002 and for Jan through Oct 2003. (I understand the city may not have any. Just in case my understanding is incorrect). ATTACHED.

Anything you can do to expedite this is greatly appreciated. Thanks.

_____
From: Angel, Jose@Waterboards
Sent: Tuesday, April 08, 2014 10:10 AM
To: Ruben Mireles
Subject: RE: 2011-2013 NB composites

Thanks Ruben. Any chance you can send me today the monthly average wastewater flow used by Finance for NBC for the following months:

1. January 2010 (I got this one from you, but need to verify it again); 2. Oct and Nov 2010; 3. Nov and Dec 2011; 4. Jan, Nov and Dec 2012; 5. Nov and Dec 2013; and 6. Any flow data for 2002 and Jan through Oct 2003.

Thanks.

_____
From: Ruben Mireles [RMireles@brawley-ca.gov]
Sent: Monday, April 07, 2014 3:57 PM
To: Angel, Jose@Waterboards
Cc: Arellano-Torres, Yazmin@BRAWLEY-CA@DOT
Subject: FW: 2011-2013 NB composites

Resending requested data

-----Original Message-----
From: David Arvizu
Sent: Thursday, April 03, 2014 7:36 AM
To: Ruben Mireles
Subject: 2011-2013 NB composites

David Arvizu

Pretreatment & Distribution
City of Brawley
Office (760) 344-5803
Fx (760) 344-1945
DArvizu@brawley-ca.gov

Angel, Jose@Waterboards

From: Yazmin Arellano <YArellano@brawley-ca.gov>
Sent: Wednesday, April 09, 2014 10:29 AM
To: Angel, Jose@Waterboards
Subject: RE: 2011-2013 NB composites

No Jose, that's all we have in our files.

-----Original Message-----
From: Angel, Jose@Waterboards [mailto:Jose.Angel@waterboards.ca.gov]
Sent: Wednesday, April 09, 2014 10:24 AM
To: Yazmin Arellano
Subject: RE: 2011-2013 NB composites

Thanks Yazmin and I understand you folks were busy.

I already have that spreadsheet. I just need to make sure the city does not have flow data for the slaughterhouse from Nov 2001 to Oct 2003. Is that the case? Thanks again.

_____
From: Yazmin Arellano [YArellano@brawley-ca.gov]
Sent: Wednesday, April 09, 2014 10:13 AM
To: Angel, Jose@Waterboards
Subject: RE: 2011-2013 NB composites

Hi Jose, we had an emergency water break yesterday and a Council Meeting and I was not able to gather the information for you, please see the answers below.

I also attached a spreadsheet from the Finance Department that has information to the early years of the beef plant. The flow is listed as 1000 gallons and the months are numbered 1-12.

Hope this helps.

Sincerely,

Yazmin Arellano-Torres, P.E.
Public Works Director/City Engineer
City of Brawley
180 S. Western Avenue, Brawley, CA 92227 Phone (760) 344-5800 Ext. 19 Fax (760) 344-5612

-----Original Message-----
From: Angel, Jose@Waterboards [mailto:Jose.Angel@waterboards.ca.gov]
Sent: Tuesday, April 08, 2014 11:12 AM
To: Yazmin Arellano
Subject: FW: 2011-2013 NB composites
Importance: High

NBC_ACLC_PT-000821

I sent this message to Ruben. He keeps sending me data that either I already have or do not relate to what I asked. I don't want to trouble him by sending him the same message and continuing to ask him for data--I've been doing for the last couple of week--I'm sure he's tired of that.

Can you please provide me with monthly average flow data for the NBC discharge into the City WWTP for the following months:

1. Oct and Nov 2010;OCTOBER 2010=893,857 GPD AVERAGE; NOVEMBER 2010=876,285GPD AVE 2. Nov and Dec 2011;NOV 2011= 1,708,086GPD; DEC 2011=1,710,680GPD 3. Jan, Nov and Dec 2012; JAN 2012=1,676,791GPD; NOV 2012=1,490,945GPD; DEC 2012=1,486,598GPD 4. Nov and Dec 2013; NOV 2013=1,351,995GPD; DEC 2013=1,493,598GPD 5. Any data that are available for 2002 and for Jan through Oct 2003. (I understand the city may not have any. Just in case my understanding is incorrect). ATTACHED.

Anything you can do to expedite this is greatly appreciated. Thanks.

_____
From: Angel, Jose@Waterboards
Sent: Tuesday, April 08, 2014 10:10 AM
To: Ruben Mireles
Subject: RE: 2011-2013 NB composites

Thanks Ruben. Any chance you can send me today the monthly average wastewater flow used by Finance for NBC for the following months:

1. January 2010 (I got this one from you, but need to verify it again); 2. Oct and Nov 2010; 3. Nov and Dec 2011; 4. Jan, Nov and Dec 2012; 5. Nov and Dec 2013; and 6. Any flow data for 2002 and Jan through Oct 2003.

Thanks.

_____
From: Ruben Mireles [RMireles@brawley-ca.gov]
Sent: Monday, April 07, 2014 3:57 PM
To: Angel, Jose@Waterboards
Cc: Arellano-Torres, Yazmin@BRAWLEY-CA@DOT
Subject: FW: 2011-2013 NB composites

Resending requested data

-----Original Message-----
From: David Arvizu
Sent: Thursday, April 03, 2014 7:36 AM
To: Ruben Mireles
Subject: 2011-2013 NB composites

David Arvizu

Pretreatment & Distribution
City of Brawley
Office (760) 344-5803
Fx (760) 344-1945
DArvizu@brawley-ca.gov

Angel, Jose@Waterboards

From: Angel, Jose@Waterboards
Sent: Wednesday, April 09, 2014 10:34 AM
To: Yazmin Arellano
Subject: RE: 2011-2013 NB composites
Attachments: 001 National Beef Readings-c.xls

Ok. Thanks. I also forgot to ask for the December 2011 individual daily flow readings and sampling results for BOD, TSS, and Ammonia for the slaughterhouse. For whatever reason, they are not included in the spreadsheet I got from Ruben. Attached is a copy of the spreadsheet. Please see its 2011 Worksheet. Can you please send that data also? Thanks again.

_____
From: Yazmin Arellano [YArellano@brawley-ca.gov]
Sent: Wednesday, April 09, 2014 10:29 AM
To: Angel, Jose@Waterboards
Subject: RE: 2011-2013 NB composites

No Jose, that's all we have in our files.

-----Original Message-----
From: Angel, Jose@Waterboards [mailto:Jose.Angel@waterboards.ca.gov]
Sent: Wednesday, April 09, 2014 10:24 AM
To: Yazmin Arellano
Subject: RE: 2011-2013 NB composites

Thanks Yazmin and I understand you folks were busy.

I already have that spreadsheet. I just need to make sure the city does not have flow data for the slaughterhouse from Nov 2001 to Oct 2003. Is that the case? Thanks again.

_____
From: Yazmin Arellano [YArellano@brawley-ca.gov]
Sent: Wednesday, April 09, 2014 10:13 AM
To: Angel, Jose@Waterboards
Subject: RE: 2011-2013 NB composites

Hi Jose, we had an emergency water break yesterday and a Council Meeting and I was not able to gather the information for you, please see the answers below.

I also attached a spreadsheet from the Finance Department that has information to the early years of the beef plant. The flow is listed as 1000 gallons and the months are numbered 1-12.

Hope this helps.

Sincerely,

Yazmin Arellano-Torres, P.E.
Public Works Director/City Engineer
City of Brawley

180 S. Western Avenue, Brawley, CA 92227 Phone (760) 344-5800 Ext. 19 Fax (760) 344-5612

-----Original Message-----
From: Angel, Jose@Waterboards [mailto:Jose.Angel@waterboards.ca.gov]
Sent: Tuesday, April 08, 2014 11:12 AM
To: Yazmin Arellano
Subject: FW: 2011-2013 NB composites
Importance: High

I sent this message to Ruben. He keeps sending me data that either I already have or do not relate to what I asked. I don't want to trouble him by sending him the same message and continuing to ask him for data--I've been doing for the last couple of week--I'm sure he's tired of that.

Can you please provide me with monthly average flow data for the NBC discharge into the City WWTP for the following months:

1. Oct and Nov 2010;OCTOBER 2010=893,857 GPD AVERAGE; NOVEMBER 2010=876,285GPD AVE 2. Nov and Dec 2011;NOV 2011= 1,708,086GPD; DEC 2011=1,710,680GPD 3. Jan, Nov and Dec 2012; JAN 2012=1,676,791GPD; NOV 2012=1,490,945GPD; DEC 2012=1,486,598GPD 4. Nov and Dec 2013; NOV 2013=1,351,995GPD; DEC 2013=1,493,598GPD 5. Any data that are available for 2002 and for Jan through Oct 2003. (I understand the city may not have any. Just in case my understanding is incorrect). ATTACHED.

Anything you can do to expedite this is greatly appreciated. Thanks.

_____
From: Angel, Jose@Waterboards
Sent: Tuesday, April 08, 2014 10:10 AM
To: Ruben Mireles
Subject: RE: 2011-2013 NB composites

Thanks Ruben. Any chance you can send me today the monthly average wastewater flow used by Finance for NBC for the following months:

1. January 2010 (I got this one from you, but need to verify it again); 2. Oct and Nov 2010; 3. Nov and Dec 2011; 4. Jan, Nov and Dec 2012; 5. Nov and Dec 2013; and 6. Any flow data for 2002 and Jan through Oct 2003.

Thanks.

_____
From: Ruben Mireles [RMireles@brawley-ca.gov]
Sent: Monday, April 07, 2014 3:57 PM
To: Angel, Jose@Waterboards
Cc: Arellano-Torres, Yazmin@BRAWLEY-CA@DOT
Subject: FW: 2011-2013 NB composites

Resending requested data

-----Original Message-----

From: David Arvizu
Sent: Thursday, April 03, 2014 7:36 AM
To: Ruben Mireles
Subject: 2011-2013 NB composites

David Arvizu

Pretreatment & Distribution
City of Brawley
Office (760) 344-5803
Fx (760) 344-1945
DArvizu@brawley-ca.gov

National Beef Loading Charges

National Beef Calculations 2008 Sewer Rates based on loadings					
Laboratory Analysis by ATS					
2008	Flow	BOD	TSS	NH3	
$	0.0226	5.26	5.83	12.56	
	MGD	mg/l	mg/l	mg/l	
Oct					
7	0.657142	96	52	11.2	
14	0.687857	184	64	5.04	
21	0.680714	120	46.5	7.84	
28	0.647142	87	107	7.28	
Ave	0.668214	121.75	67.375	7.84	

Charges	Oct-08			
Flow	$15,101.63 = 668,213.8 * $0.0226			
BOD	$3,675.73 = 121.75 * .688213 * 8.34 * $5.26			
TSS	$2,254.36 = 67.37 * .688213 * 8.34 * $5.83			
NH3	$565.19 = 7.84* .688213 * 8.34 * $12.56			
Total	$21,596.91			
Charges				

2008	Flow	BOD	TSS	NH3
$	0.0226	5.26	5.83	12.56
	MGD	mg/l	mg/l	mg/l
Nov				
4th	0.667143	111	238	11.76
11th	0.661428	119	252	12.88
18th	0.661428	95	468	9.52
28th	0.656,428	111	211	8.4
Ave	0.661,607	109	292.25	10.64

Charges	Nov-08			
Flow	$14,952.31 = 661,607 * $0.0226			
BOD	$3,163.57 = 109 * .661,607 * 8.34 * $5.26			
TSS	$9,401.32 = 292.25 * .661,607 * 8.34 * $5.83			
NH3	$737.39 = 10.64* .661,607 * 8.34 * $12.56			
Total	$28,254.59			
Charges				

2008	Flow	BOD	TSS	NH3	
$	0.0226	5.26	5.83	12.56	
	MGD	mg/l	mg/l	mg/l	
December					
2	0.673,571	6.7	370	11.76	
9	0.651,428	32.2	1733.5	9.52	
18	0.664,285	17.25	125	11.76	
23	0.597,857	44	1095	10.08	
30	0.672,857	42	2230	8.4	
Ave	0.651,999	28.43	1110.7	10.304	

Charges	Dec-08			
Flow	$14,735.17 = 651,999 * $0.0226			
BOD	$813.15 = 28.43 *0 .651,999 * 8.34 * $5.26			
TSS	$35,210.99 = 1110.7 * 0 .651,999 * 8.34 * $5.83			
NH3	$703.46 = 10.30* 0.651,999 * 8.34 * $12.56			
Total	$51,462.77			
Charges				

NATIONAL BEEF LOADING CHARGES

2009	Flow	BOD	TSS	NH3
$	0.0226	5.26	5.83	12.56
	MGD	mg/l	mg/l	mg/l
January				
8	0.710000	31.5	696.5	10.64
14	0.697857	28	1,710.50	11.2
22	0.676428	20.1	748.5	9.52
29	0.670714	109	288.5	6.16
Ave	0.688750	47.15	861	9.38

Charges	Jan-09			
Flow	$15,565.75 = 688,750.00 * $0.0226			
BOD	$1,424.60 = 47.15 * .688750 * 8.34 * $5.26			
TSS	$28,833.63 = 861 * .688750 * 8.34 * $5.83			
NH3	$676.73 = 9.38 * .688750 * 8.34 * $12.56			
Total	$46,500.71			
Charges				

2009	Flow	BOD	TSS	NH3
$	0.0226	5.26	5.83	12.56
	MGD	mg/l	mg/l	mg/l
February				
5	0.669285	34	304.5	5.6
12	0.675625	41.7	241.50	10.64
19	0.715000	55.2	120.5	7.84
26	0.695714	72	735	6.16
Ave	0.688906	50.72	350.37	8.12

Charges	Feb-09			
Flow	$15,569.28 = 688906 * $0.0226			
BOD	$1,532.82 = 50.72 * .688906 * 8.34 * $5.26			
TSS	$11,736.04 = 350.37 * .688906 * 8.34 * $5.83			
NH3	$585.97 = 8.12 * .688906 * 8.34 * $12.56			
Total	$29,424.11			
Charges				

NATIONAL BEEF LOADING CHARGES

2009	Flow	BOD	TSS	NH3
$	0.0226	5.26	5.83	12.56
	MGD	mg/l	mg/l	mg/l
March				
5	692,857	26	760	10.08
12	688,571	59	447	11.76
19	687,142	44	421	9.52
26	682,857	56.1	903	10.64
Ave	687,857	46.3	632.8	10.5

Charges	Mar-09			
Flow	$15,545.57 = 687,857 * $0.0226			
BOD	$1,397.12 = 46.3 * .687857 * 8.34 * $5.26			
TSS	$21,164.08 = 632.8 * .687857 * 8.34 * $5.83			
NH3	$720.54 = 10.5 * .687857 * 8.34 * $12.56			
Total	$38,827.31			
Charges				

2009	Flow	BOD	TSS	NH3
$	0.0226	5.26	5.83	12.56
	MGD	mg/l	mg/l	mg/l
APRIL				
2	694,285	18.75	506	9.52
9	699,285	38	647.5	6.16
15	679,285	53	2510	11.2
23	717,857	61	222	10.64
30	717,142	53	443.5	8.4
Ave	701,571	44.75	865.80	9.18

Charges	Apr-09			
Flow	$15,855.51=701,571 * $0.0226			
BOD	$1377.27 = 44.75 * .701571 * 8.34 * $5.26			
TSS	$29,534.11 = 865.80 * .701571 * 8.34 * $5.83			
NH3	$674.64 = 9.18 * .701571 * 8.34 * $12.56			
	Total Charges	$47,441.53		

2009	Flow	BOD	TSS	NH3
$	0.0226	5.26	5.83	12.56

	MGD	mg/l	mg/l	mg/l
MAY				
7	755,714	32.5	4706	9.52
14	742,142	66	93.5	10.64
21	691,250	32.5	167.5	10.64
28	690,000	32.5	156	8.4
Ave	719,777	40.88	1280.75	9.80

Charges	May-09			
Flow	$16,266.96=719,777 * $0.0226			
BOD	$1,290.81 = 40.88 * .719777 * 8.34 * $5.26			
TSS	$ 44,822.59= 1280.75 * .719777 * 8.34 * $5.83			
NH3	$ 738.89= 9.80 * .719777 * 8.34 * $12.56			
	Total Charges		$63,119.25	

2009	Flow	BOD	TSS	NH3
$	0.0226	5.26	5.83	12.56
	MGD	mg/l	mg/l	mg/l
JUNE				
4	737,857	85	755	10.04
11	723,571	49	2034	10.08
18	688,570	42	1047	3.92
24	687,142	53.8	164	5.04
Ave	709,285	57.45	1000.00	7.27

Charges	Jun-09			
Flow	$16,029.85=709,285 * $0.0226			
BOD	$1,787.57=57.45 * .709285 * 8.34 * $5.26			
TSS	$34,487.00=1000 * .709285 * 8.34 * $5.83			
NH3	$540.15 = 7.27 * .709285 * 8.34 * $12.56			
	Total Charges		$52,844.57	

2009	Flow	BOD	TSS	NH3
$	0.0226	5.26	5.83	12.56
	MGD	mg/l	mg/l	mg/l
JULY				
2	697,857	62	494.5	15.68
9	682,857	48	767.5	15.12
16	655,000	67.25	2286	14.56
23	661,428	79.75	1668.5	3.36
30	658,857	78	2568.5	17.92
Ave	671,200	67.00	1557.00	13.33

Charges	Jul-09			
Flow	$15,169.12 = 671,200 * $0.0226			
BOD	$1,972.78 = 67.00* .671200 *8.34 * $5.26			
TSS	$50,813.04 = 1557 * .671200 * 8.34 * $5.83			
NH3	$937.22 = 13.33 * .671200 * 8.34 * $12.56			
	Total Charges		$68,892.16	

2009	Flow	BOD	TSS	NH3
$	0.0226	5.26	5.83	12.56
	MGD	mg/l	mg/l	mg/l

AUGUST				
6	681,285	53.5	174.5	9.52
13	687,714	25.5	202.5	12.32
20	750,714	33	120.5	11.2
27	820,428	30	100	11.76
Ave	735,035	35.50	149.38	11.20

Charges	Aug-09			
Flow	$16,611.80 =735,035 * 0.0226			
BOD	$1,144.69 = 35.50 * .735035 * 8.34 * $5.26			
TSS	$5,338.70 = 149.38 * .735035 * 8.34 * $5.83			
NH3	$862.35 = 11.20 * .735035 * 8.34 * $12.56			
	Total Charges		$23,957.54	

2009	Flow	BOD	TSS	NH3
$	0.0226	5.26	5.83	12.56
	MGD	mg/l	mg/l	mg/l

Sept.				
2	838,428	62	12.5	17.36
10	769,000	77	141	14.56
17	850,857	32.5	97.5	5.6
21	756,285	28	98	7.84
Ave	803,643	49.88	87.25	11.34

Charges	Sep-09			
Flow	$18,162.33 = 803,643 * 0.0226			
BOD	$1,758.50 =49.88 * .803643 * 8.34 * $5.26			
TSS	$3,409.28 = 87.25 * .803643 * 8.34 * $5.83			
NH3	$954.62 = 11.34 * .803643 * 8.34 * $12.56			
	Total Charges		$24,284.73	

2009	Flow	BOD	TSS	NH3
$	0.0226	5.26	5.83	12.56
	MGD	mg/l	mg/l	mg/l

Oct.				
7	905,142	21.5	57	4.48
14	865,714	36.1	76.5	3.92
21	814,285	18.6	150	7.48
28	645,714	44	203.5	8.96
Ave	807,714	30.05	121.75	6.21

Charges	Oct-09			
Flow	$18,254.34 = 807,714 * 0.0226			
BOD	$1,064.77 = 30.05 * .807714 * 8.34 * $5.26			
TSS	$4,781.47 = 121.75 * .807714 * 8.34 * $5.83			
NH3	$525.42 = 6.21 * .807714 * 8.34 * $12.56			
	Total Charges	$24,626.00		

2009	Flow	BOD	TSS	NH3
$	0.0226	5.26	5.83	12.56
	MGD	mg/l	mg/l	mg/l

Nov.				
4	890,000	13.01	79	7.28
11	859,714	54	11.5	7.84
18	856,285	33.66	104.5	7.84
25	842,571	75.5	1685.5	6.16
Ave	862,143	44.04	470.13	7.28

Charges	Nov-09			
Flow	$19,484.43 = 862,143 * 0.0226			
BOD	$1,665.63 = 44.04 * .862143 * 8.34 * $5.26			
TSS	$19,707.52 = 470.13 * .862143 * 8.34 * $5.83			
NH3	$657.46 = 7.28 * .862143 * 8.34 * $12.56			
	Total Charges	$41,515.04		

2009	Flow	BOD	TSS	NH3
$	0.0226	5.26	5.83	12.56
	MGD	mg/l	mg/l	mg/l

Dec.				

2	888,285	81	322.5	10.64
9	913,714	98.5	2605.5	11.78
16	789,000	153.5	1217.5	11.2
23	678,857	420	4519	9.52
30	815,285	139	381	10.64
Ave	817,028	178.40	1809.10	10.76

Charges	**Dec-09**			
Flow	**$18,464.83=817028*0.0226**			
BOD	**$ 6,394.16=178.40 * .817028 * 8.34 * $5.26**			
TSS	**$ 71,867.76= 1809.10 * .817028 * 8.34 * $5.83**			
NH3	**$ 920.88 = 10.76 * .817028 * 8.34 * $12.56**			
		Total Charges	**$97,647.63**	

2010 NATIONAL BEEF READINGS

2010	Flow	BOD	TSS	NH3
	MGD	mg/l	mg/l	mg/l
JANUARY	$15,000.00 Violation Fee			
6	763,428	32	160.6	5.6
13	731,428	52.7	321	1.68
20	723,857	96.6	3072	7.28
27	776,571	92	480.5	15.68
Average	748,821	68.33	1008.53	7.56
MARCH				
3	848,714	24	26.5	15.68
10	848,857	13.5	31.5	13.44
17	786,285	29.75	24	15.12
24	824,857	29	23.5	28
31	889,000	57	55.5	31.92
Average	839,543	30.65	32.20	20.83
MAY				
6	1,024,285	78.5	18	16.8
13	991,142	73.5	28	17.36
20	968,000	88.5	37.5	17.92
27	978,142	69	46	16.24
Average	990,392	77.38	32.38	17.08
JULY				
1	940,142	237	701	94.08
8	860,000	380	2908	43.68
15	973,285	430	463.5	38.64
22	941,285	300	1480.5	22.96
29	874,428	69	97.5	22.4
Average	917,828	283.20	1130.10	44.35

2010	Flow	BOD	TSS	NH3
	MGD	mg/l	mg/l	mg/l
FEBRUARY	$10,000.00 Violation Fee			
3	861,285	150	1646.5	8.96
10	835,571	130	102.5	11.2
17	816,428	13.5	46	10.8
24	820,428	92	480.5	15.68
Average	833,428	96.38	568.88	11.66
APRIL				
1	889,000	57	55.5	31.92
8	858,000	41	34.5	16.8
15	961,142	25.5	17	21.28
21	963,571	60.75	35	17.92
29	968,142	67	56	18.48
Average	927,971	50.25	39.60	21.28
JUNE	$40,000.00 Violation Fee			
3	830,714	55.5	38.5	12.32
10	792,000	180	429	45.92
17	929,000	84	1367	72.24
24	933,857	165	402	62.72
30	940,142	237	701	94.08
Average	885,143	144.30	587.50	57.46
AUGUST				
4	890,428	57	92	11.2
11	828,714	55.5	72	19.6
18	870,857	52.5	107.5	20.16
25	887,285	111	318	23.52
Average	869,321	69.00	147.38	18.62

NBC_ACLC_PT-000835

2010 NATIONAL BEEF READINGS

2010	Flow	BOD	TSS	NH3
	MGD	mg/l	mg/l	mg/l
SEPTEMBER				
1	891,571	55.5	55	1.12
8	803,285	87	130	20.72
15	901,428	120	138	21.84
22	886,142	87	118.5	21.28
29	861,571	81	116	17.92
Average	868,799	86.10	111.50	16.58
NOVEMBER				
3	867,142	48.75	83	16.24
10	891,428	58.5	320	2.8
17	895,714	123	186	6.16
24	850,857	66.6	183	14.56
Average	876,285	74.21	193.00	9.94

2010	Flow	BOD	TSS	NH3
	MGD	mg/l	mg/l	mg/l
OCTOBER				
7	889,428	54	51	31.36
14	892,571	66	87	22.4
21	890,000	66	63	17.92
28	903,428	110	74	16.8
Average	893,857	74.00	68.75	22.12
DECEMBER				
1	915,142	49.5	64	2.64
8	920,428	31.5	38	17.36
15	893,285	198	560	35.84
20	793,142	348	843	67.76
28	811,714	222	615	46.48
Average	866,742	169.80	424.00	34.02

NBC_ACLC_PT-000836

2011	Flow	BOD	TSS	NH3
	MGD	mg/l	mg/l	mg/l
JANUARY	$50,000 Violations			
5	847,571	90	550	24.64
12	895,857	240	3290	23.52
19	826,571	420	8114	59.36
26	862,000	378	3250	23.52
Average	858,000	282.00	3801.00	32.76

2011	Flow	BOD	TSS	NH3
	MGD	mg/l	mg/l	mg/l
FEBRUARY	$60,000 Violations			
2	923,714	194	465	20.16
9	880,428	300	126	43.16
16	900,142	620	4340	58.24
23	870,142	443	6006	43.68
Average	893,607	389.25	2734.25	41.31

MARCH	$60,000 Violations			
2	888,428	465	3096	27.44
9	883,285	229	3042	34.72
16	690,178	580	7600	52.12
23	471,000	72	84	52.08
30	518,000	171	127	54.32
Average	690,178	303.40	2789.80	44.14

APRIL	$30,000 Violations			
7	997,657	258	142	84.56
14	1,352,800	210	234	81.2
21	1,206,667	145	179	84.56
28	1,274,000	53.3	96	79.52
Average	1,207,781	166.58	162.75	82.46

MAY	$25,000 Violations			
4	1,280,885	44	63	40.32
12	1,058,971	56	37	68.88
18	1,057,171	30	32	70
25	958,185	45.75	43	88.48
Average	1,088,803	43.94	43.75	66.92

JUNE	$30,000 Violations			
1	930,028	34.5	35	43.12
8	1,019,900	52.5	29.5	33.04
15	966,471	39.37	22	40.88
22	1,023,400	34.8	22	43.68
29	882,000	45.5	43	36.4
Average	964,360	41.33	30.30	39.42

JULY				
7	772,857	26.62	28	18.48
14	947,985	44.25	41	45.92
21	885,000	42	33	49.84
28	880,714	63	51	29.12
Average	871,639	43.97	38.25	35.84

AUGUST				
4	884,857	34.5	31	45.36
11	880,714	51	56	27.44
18	947,000	25.5	32	39.76
25	976,614	27.75	40	8.96
Average	922,296	34.69	39.75	30.38

NBC_ACLC_PT-000837

2011	Flow	BOD	TSS	NH3
	MGD	mg/l	mg/l	mg/l
SEPTEMBER				
1	964,571	75	137	56
8	880,857	9.1	14	29.6
15	959,714	37	44	48.7
22	713,285	114	134	10.64
29	1,550,558	20	40	2.8
Average	1,013,797	51.02	73.80	29.55

NOVEMBER				
2	1,539,482	21.8	38.6	0.93
9	1,983,222	87.3	73	12.6
16	1,712,757	46.3	31	17.6
23	1,488,157	174	56	20.16
30	1,816,814	60	38	39.2
Average	1,708,086	77.88	47.32	18.10

2011	Flow	BOD	TSS	NH3
	MGD	mg/l	mg/l	mg/l
OCTOBER				
6	1,431,873	27	50	1.96
13	1,644,318	54	44	3.92
20	1,584,029	21.75	34	2.8
27	1,602,382	53.25	66	0.56
Average	1,565,651	39.00	48.50	2.31

DECEMBER				
Average	0	0.00	0.00	0.00

NBC_ACLC_PT-000838

2012	Flow	BOD	TSS	NH3
	MGD	mg/l	mg/l	mg/l
JANUARY	$5,000.00 Violation			
5	1,726,228	61.12	70	35
12	1,778,200	19.5	102	22.12
19	1,609,500	36.5	62	25.48
26	1,593,234	9.4	23	26.6
Average	1,676,791	31.63	64.25	27.30

2012	Flow	BOD	TSS	NH3
	MGD	mg/l	mg/l	mg/l
FEBRUARY	$10,000.00 Violation			
2	1,376,631	17.6	62	37.7
9	1,701,899	38.8	88	36.2
16	1,493,753	26.7	49.3	22.1
23	1,553,693	36.4	55.3	6.9
29	1,634,181	45	66	1.12
Average	1,552,031	32.90	64.12	20.80

MARCH	$5,000.00 Violation			
7	940,166	41.25	54	18.48
14	1,674,935	26.25	51.30	14.37
21	1,800,594	52.75	58.6	19.9
28	1,668,186	33.25	68	33.04
Average	1,520,970	38.38	57.98	21.45

APRIL	$5,000.00 Violation			
4	1,659,130	105.35	88.8	29.23
11	1,699,304	59.2	57.2	21.5
18	1,605,562	31.87	36	5.6
25	1,656,753	41.12	44	40.13
Average	1,655,187	59.39	56.50	24.12

MAY	$30,000.00 Violation			
3	1,661,981	134.25	65.3	56.37
10	1,642,676	73.7	46.6	43.6
17	1,882,162	50.5	53.3	47
24	1,502,800	39.2	50	33.6
31	1,438,636	37.5	54	40.88
Average	1,625,651	67.03	53.84	44.29

JUNE				
6	1,659,465	90	157.3	60.4
13	1,727,533	63.3	87.3	45.1
20	1,559,949	39.4	57	86.28
27	1,587,253	23.5	38	15.8
Average	1,633,550	54.05	84.90	51.90

JULY	$25,000.00 Violation			
4	1,536,578	17.3	57	12.04
11	1,752,793	71.2	95	60.8
18	1,494,898	168	308	54.6
25	1,735,941	109.5	126	55.4
Average	1,630,053	91.50	146.50	45.71

AUGUST				
Average	0	0.00	0.00	0.00

NBC_ACLC_PT-000839

2012	Flow	BOD	TSS	NH3
	MGD	mg/l	mg/l	mg/l
SEPTEMBER				
Average	0	0.00	0.00	0.00
NOVEMBER				
Average	0	0.00	0.00	0.00

2012	Flow	BOD	TSS	NH3
	MGD	mg/l	mg/l	mg/l
OCTOBER				
Average	0	0.00	0.00	0.00
DECEMBER				
Average	0	0.00	0.00	0.00

NBC_ACLC_PT-000840

RE: 2011-2013 NB composites

Yazmin Arellano [YArellano@brawley-ca.gov]
Sent: Wednesday, April 09, 2014 2:40 PM
To: Angel, Jose@Waterboards
Attachments: 2011 Oct-Nov-Dec Loadings.xls (36 KB)

-----Original Message-----
From: Angel, Jose@Waterboards [mailto:Jose.Angel@waterboards.ca.gov]
Sent: Wednesday, April 09, 2014 10:34 AM
To: Yazmin Arellano
Subject: RE: 2011-2013 NB composites

Ok. Thanks. I also forgot to ask for the December 2011 individual daily flow readings and sampling results for BOD, TSS, and Ammonia for the slaughterhouse. For whatever reason, they are not included in the spreadsheet I got from Ruben. Attached is a copy of the spreadsheet. Please see its 2011 Worksheet. Can you please send that data also? Thanks again.

_____
From: Yazmin Arellano [YArellano@brawley-ca.gov]
Sent: Wednesday, April 09, 2014 10:29 AM
To: Angel, Jose@Waterboards
Subject: RE: 2011-2013 NB composites

No Jose, that's all we have in our files.

-----Original Message-----
From: Angel, Jose@Waterboards [mailto:Jose.Angel@waterboards.ca.gov]
Sent: Wednesday, April 09, 2014 10:24 AM
To: Yazmin Arellano
Subject: RE: 2011-2013 NB composites

Thanks Yazmin and I understand you folks were busy.

I already have that spreadsheet. I just need to make sure the city does not have flow data for the slaughterhouse from Nov 2001 to Oct 2003. Is that the case? Thanks again.

_____
From: Yazmin Arellano [YArellano@brawley-ca.gov]
Sent: Wednesday, April 09, 2014 10:13 AM
To: Angel, Jose@Waterboards
Subject: RE: 2011-2013 NB composites

Hi Jose, we had an emergency water break yesterday and a Council Meeting and I was not able to gather the information for you, please see the answers below.

I also attached a spreadsheet from the Finance Department that has information to the early years of the beef plant. The flow is listed as 1000 gallons and the months are numbered 1-12.

Hope this helps.

Sincerely,

Yazmin Arellano-Torres, P.E.
Public Works Director/City Engineer

City of Brawley
180 S. Western Avenue, Brawley, CA 92227 Phone (760) 344-5800 Ext. 19 Fax (760) 344-5612

-----Original Message-----
From: Angel, Jose@Waterboards [mailto:Jose.Angel@waterboards.ca.gov]
Sent: Tuesday, April 08, 2014 11:12 AM
To: Yazmin Arellano
Subject: FW: 2011-2013 NB composites
Importance: High

I sent this message to Ruben. He keeps sending me data that either I already have or do not relate to what I asked. I don't want to trouble him by sending him the same message and continuing to ask him for data--I've been doing for the last couple of week--I'm sure he's tired of that.

Can you please provide me with monthly average flow data for the NBC discharge into the City WWTP for the following months:

1. Oct and Nov 2010;OCTOBER 2010=893,857 GPD AVERAGE; NOVEMBER 2010=876,285GPD AVE 2. Nov and Dec 2011;NOV 2011= 1,708,086GPD; DEC 2011=1,710,680GPD 3. Jan, Nov and Dec 2012; JAN 2012=1,676,791GPD; NOV 2012=1,490,945GPD; DEC 2012=1,486,598GPD 4. Nov and Dec 2013; NOV 2013=1,351,995GPD; DEC 2013=1,493,598GPD 5. Any data that are available for 2002 and for Jan through Oct 2003. (I understand the city may not have any. Just in case my understanding is incorrect). ATTACHED.

Anything you can do to expedite this is greatly appreciated. Thanks.

_____
From: Angel, Jose@Waterboards
Sent: Tuesday, April 08, 2014 10:10 AM
To: Ruben Mireles
Subject: RE: 2011-2013 NB composites

Thanks Ruben. Any chance you can send me today the monthly average wastewater flow used by Finance for NBC for the following months:

1. January 2010 (I got this one from you, but need to verify it again); 2. Oct and Nov 2010; 3. Nov and Dec 2011; 4. Jan, Nov and Dec 2012; 5. Nov and Dec 2013; and 6. Any flow data for 2002 and Jan through Oct 2003.

Thanks.

_____
From: Ruben Mireles [RMireles@brawley-ca.gov]
Sent: Monday, April 07, 2014 3:57 PM
To: Angel, Jose@Waterboards
Cc: Arellano-Torres, Yazmin@BRAWLEY-CA@DOT
Subject: FW: 2011-2013 NB composites

Resending requested data

-----Original Message-----
From: David Arvizu
Sent: Thursday, April 03, 2014 7:36 AM
To: Ruben Mireles

Subject: 2011-2013 NB composites

David Arvizu

Pretreatment & Distribution
City of Brawley
Office (760) 344-5803
Fx (760) 344-1945
DArvizu@brawley-ca.gov

National Beef Plant Loading Rates/Cost				
October 2011	Flow	BOD	TSS	NH3
	0.0226 gpd	(5.12/lbs)	(5.83/lbs)	(12.56/lbs)
6th	1,431,873	27	50	1.96
13th	1,644,318	54	44	3.92
20th	1,584,029	21.75	34	2.8
27th	1.602,382	53.25	66	0.56
Average	1,165,055	39	48.5	2.31
NOTE: Based on 24HR composites				

National Beef Plant Loading Rates/Cost				
Nov 2011	Flow	BOD	TSS	NH3
	0.0226 gpd	(5.12/lbs)	(5.83/lbs)	(12.56/lbs)
2nd	1,539,482	21.8	38.6	0.93
9th	1,983,222	87.3	73.0	12.6
16th	1,712,757	46.3	31	17.6
23rd	1,488,157	174	56	20.16
30th	1,816,814	60	38	39.2
Average	1,708,086	77.88	47.32	18.098
NOTE: Based on 24HR composites				

National Beef Plant Loading Rates/Cost				
DEC 2011	Flow	BOD	TSS	NH3
	0.0226 gpd	(5.12/lbs)	(5.83/lbs)	(12.56/lbs)
1st	1,975,885	201	180	27.72
7th	1,941,700	76.37	42.00	29.12
14th	1,244,128	59.62	35	39.76
21st	1,366,957	80.25	67.3	30.23
28th	2,024,728	78	58	30.8
Average	1,710,680	99.048	76.46	31.526
NOTE: Based on 24hr composites				

Flow readings are based on a 7-day average.

Angel, Jose@Waterboards

From: Angel, Jose@Waterboards
Sent: Wednesday, April 09, 2014 10:37 AM
To: Yazmin Arellano
Subject: RE: 2011-2013 NB composites

Please disregard my last message regarding the Dec 2011 data. I just got it from RM. Thanks.

_____
From: Yazmin Arellano [YArellano@brawley-ca.gov]
Sent: Wednesday, April 09, 2014 10:29 AM
To: Angel, Jose@Waterboards
Subject: RE: 2011-2013 NB composites

No Jose, that's all we have in our files.

-----Original Message-----
From: Angel, Jose@Waterboards [mailto:Jose.Angel@waterboards.ca.gov]
Sent: Wednesday, April 09, 2014 10:24 AM
To: Yazmin Arellano
Subject: RE: 2011-2013 NB composites

Thanks Yazmin and I understand you folks were busy.

I already have that spreadsheet. I just need to make sure the city does not have flow data for the slaughterhouse from Nov 2001 to Oct 2003. Is that the case? Thanks again.

_____
From: Yazmin Arellano [YArellano@brawley-ca.gov]
Sent: Wednesday, April 09, 2014 10:13 AM
To: Angel, Jose@Waterboards
Subject: RE: 2011-2013 NB composites

Hi Jose, we had an emergency water break yesterday and a Council Meeting and I was not able to gather the information for you, please see the answers below.

I also attached a spreadsheet from the Finance Department that has information to the early years of the beef plant. The flow is listed as 1000 gallons and the months are numbered 1-12.

Hope this helps.

Sincerely,

Yazmin Arellano-Torres, P.E.
Public Works Director/City Engineer
City of Brawley
180 S. Western Avenue, Brawley, CA 92227 Phone (760) 344-5800 Ext. 19 Fax (760) 344-5612

NBC_ACLC_PT-000845

-----Original Message-----
From: Angel, Jose@Waterboards [mailto:Jose.Angel@waterboards.ca.gov]
Sent: Tuesday, April 08, 2014 11:12 AM
To: Yazmin Arellano
Subject: FW: 2011-2013 NB composites
Importance: High

I sent this message to Ruben. He keeps sending me data that either I already have or do not relate to what I asked. I don't want to trouble him by sending him the same message and continuing to ask him for data--I've been doing for the last couple of week--I'm sure he's tired of that.

Can you please provide me with monthly average flow data for the NBC discharge into the City WWTP for the following months:

1. Oct and Nov 2010;OCTOBER 2010=893,857 GPD AVERAGE; NOVEMBER 2010=876,285GPD AVE 2. Nov and Dec 2011;NOV 2011= 1,708,086GPD; DEC 2011=1,710,680GPD 3. Jan, Nov and Dec 2012; JAN 2012=1,676,791GPD; NOV 2012=1,490,945GPD; DEC 2012=1,486,598GPD 4. Nov and Dec 2013; NOV 2013=1,351,995GPD; DEC 2013=1,493,598GPD 5. Any data that are available for 2002 and for Jan through Oct 2003. (I understand the city may not have any. Just in case my understanding is incorrect). ATTACHED.

Anything you can do to expedite this is greatly appreciated. Thanks.

_____
From: Angel, Jose@Waterboards
Sent: Tuesday, April 08, 2014 10:10 AM
To: Ruben Mireles
Subject: RE: 2011-2013 NB composites

Thanks Ruben. Any chance you can send me today the monthly average wastewater flow used by Finance for NBC for the following months:

1. January 2010 (I got this one from you, but need to verify it again); 2. Oct and Nov 2010; 3. Nov and Dec 2011; 4. Jan, Nov and Dec 2012; 5. Nov and Dec 2013; and 6. Any flow data for 2002 and Jan through Oct 2003.

Thanks.

_____
From: Ruben Mireles [RMireles@brawley-ca.gov]
Sent: Monday, April 07, 2014 3:57 PM
To: Angel, Jose@Waterboards
Cc: Arellano-Torres, Yazmin@BRAWLEY-CA@DOT
Subject: FW: 2011-2013 NB composites

Resending requested data

-----Original Message-----
From: David Arvizu
Sent: Thursday, April 03, 2014 7:36 AM
To: Ruben Mireles

Subject: 2011-2013 NB composites

David Arvizu

Pretreatment & Distribution
City of Brawley
Office (760) 344-5803
Fx (760) 344-1945
DArvizu@brawley-ca.gov

Angel, Jose@Waterboards

From: Yazmin Arellano <YArellano@brawley-ca.gov>
Sent: Thursday, June 12, 2014 11:56 AM
To: Angel, Jose@Waterboards
Cc: Alan Chan; Sullivan, Steve@BRAWLEY-CA
Subject: RE: Map of City Sewer Collection System

Yes Jose.
Alan, would you be so kind to provide Jose with the link to the sewer map? We have the sewer master plan uploaded into Engineering.
Thanks

Yazmin Arellano-Torres, P.E.
Public Works Director/City Engineer
City of Brawley
180 S. Western Avenue, Brawley, CA 92227
Phone (760) 344-5800 Ext. 19
Fax (760) 344-5612

From: Angel, Jose@Waterboards [mailto:Jose.Angel@waterboards.ca.gov]
Sent: Thursday, June 12, 2014 11:46 AM
To: Yazmin Arellano
Subject: Map of City Sewer Collection System

Could you please provide us with a copy of a map with the City's main sewer lines? I'm interested in the section that services NBC and discharges into the WWTP. Thanks.

Jose L. Angel, P.E.
Assistan Executive Officer
Regional Water Quality Control Board, Colorado River Basin
(760) 776-8932

NBC_ACLC_PT-000848

RE: Map of City Sewer Collection System

Steven Sullivan [SSullivan@brawley-ca.gov]
Sent: Thursday, June 12, 2014 11:57 AM
To: Arellano-Torres, Yazmin@BRAWLEY-CA@DOT; Angel, Jose@Waterboards
Cc: Alan Chan [AChan@brawley-ca.gov]

The atlas books are in two parts and can be found at:

http://www.brawley-ca.gov/media/module/content_item/Sewer_Atlas_Book_Part_1.pdf

http://www.brawley-ca.gov/media/module/content_item/Sewer_Atlas_Book_Part_2.pdf

---

From: Yazmin Arellano
Sent: Thursday, June 12, 2014 11:55 AM
To: Angel, Jose@Waterboards
Cc: Alan Chan; Steven Sullivan
Subject: RE: Map of City Sewer Collection System

Yes Jose.
Alan, would you be so kind to provide Jose with the link to the sewer map? We have the sewer master plan uploaded into Engineering.
Thanks

Yazmin Arellano-Torres, P.E.
Public Works Director/City Engineer
City of Brawley
180 S. Western Avenue, Brawley, CA 92227
Phone (760) 344-5800 Ext. 19
Fax (760) 344-5612

From: Angel, Jose@Waterboards [mailto:Jose.Angel@waterboards.ca.gov]
Sent: Thursday, June 12, 2014 11:46 AM
To: Yazmin Arellano
Subject: Map of City Sewer Collection System

Could you please provide us with a copy of a map with the City's main sewer lines? I'm interested in the section that services NBC and discharges into the WWTP. Thanks.

Jose L. Angel, P.E.
Assistan Executive Officer
Regional Water Quality Control Board, Colorado River Basin
(760) 776-8932