ATTACHMENT 1

June Lake Public Utility District
Attachment to Petition for Temporary Urgency Change

Permit 21185 (A028609)

This Petition seeks to temporarily change a bypass condition contained in Permit 21185 held by June Lake Public Utility District (JLPUD). The original bypass amount was agreed to by JLPUD as an accommodation for dismissal of a protest related to fish and wildlife in Rush Creek and Mono Lake. However, this requirement was not based on specific identified needs for these resources. If the requirement is not changed, under the current drought conditions, JLPUD projects that it will be unable to divert sufficient water from its Fern Creek diversion to meet its needs for potable water for municipal customers within the Down-Canyon service area. JLPUD proposes that its minimum required bypass amount be reduced from 200 gallons per minute to 25 gallons per minute.

JLPUD is not seeking to increase the amount of water it diverts at Fern Creek compared to its past operations. The proposed temporary change would not increase JLPUD's permitted diversion rate from Fern Creek. The proposed change would simply allow JLPUD to divert from Fern Creek during the times that the available flow in the Creek drops below 200 gallons per minute, but not when the flows are less than 25 gallons per minute. Table 2 shows that over the past decade the amount of water bypassed (remaining in Fern Creek while diverting) has often exceeded the bypass requirement of 200 gallons per minute, which demonstrates that JLPUD only diverts the amount of water it needs, not the maximum authorized by its water rights. If the requested change is authorized, JLPUD would operate in a similar manner, only taking sufficient water to meet its needs, and leaving the remainder in Fern Creek.

The amount that has been diverted over the past five years, based on the household water needs of resident families and commercial water users, has rarely exceeded a monthly average rate of 120 gallons per minute, with the typical monthly average summer diversion rate being closer to 100 gallons per minute, and monthly average diversion rates below 50 gallons per minute during most other months of the year. The demand for water is not driven by the amount of flow in Fern Creek; therefore, a reduced bypass requirement would not result in an increase in the amount of water diverted.

Background

Water Rights

June Lake Public Utility District (JLPUD) holds four Licenses and four Permits (including Permit 21185) for the year-round direct diversion of water from Fern Creek and an Unnamed Spring. **Table 1** (attached) provides information on the priority date, source, and diversion rate, season of diversion and maximum annual use for each of these water rights. The Licenses and

Permits provide for direct diversion at a combined rate of up to about 0.63 cubic feet per second (about 280 gallons per minute) for a cumulative total diversion of 297.1 acre-feet annually to serve the Down-Canyon service area of JLPUD. Permit 21185 provides for direct diversion of 150 acre-feet from Fern Creek at a rate of 0.3 cubic feet per second (approximately 135 gallons per minute). During the period of the temporary change, if granted by the State Water Board, JLPUD will make all of its Fern Creek diversions pursuant to Permit 21185. The other seven Down-Canyon service area water rights will not provide a basis of right for diversion from Fern Creek during the period of the temporary change.

Permit 21185 contains a term requiring a minimum flow bypass of 200 gallons per minute at the diversion facility on Fern Creek for instream uses. Specifically the term states:

> "The June Lake Public Utilities District (District) shall maintain a permanent piped bypass around the Fern Creek source sized such that a minimum of 200 gallons per minute will always flow by the diversion regardless of water use by the District, and configured such that it cannot be restricted or plugged."

This term was first included in the JLPUD Licenses and Permits in 1998 pursuant to an accommodation for dismissal of a protest filed by California Sportfishing Protection Alliance (CSPA). The protest expressed concerns regarding the adequacy of water "to protect the ecosystems of *Rush Creek* and *Mono Lake, including the environment of Reversed Creek"*. There is no indication in the State Water Board files that demonstrates how the 200 gallons per minute bypass amount was determined, or precisely what resources it was intended to protect.

Bypass Facility

Fern Creek is tributary to Reversed Creek thence Rush Creek thence Mono Lake (see **Plate 1**). The watershed area at the Fern Creek Diversion facility is approximately 1,312 acres. Since September 2004, JLPUD has operated a Cipolletti weir and stage recorder at its Fern Creek diversion facility capable of measuring bypass flows up to about 0.75 MGD (about 520 gallons per minute). JLPUD staff has recorded staff gage and totalizer readings on an approximately weekly basis since September 2004, subject to access conditions. Bypass flows at the Fern Creek Diversion facility are shown on **Table 2**. As **Table 2** demonstrates, flows measured downstream of the JLPUD Fern Creek point of diversion (these are the bypass flows) have often fallen below 200 gallons per minute during dry years. As in past dry years, there is concern that under the current dry condition, JLPUD will not be able to meet its bypass requirement due to the unusually dry conditions this year.

Current Operations

Current use in the Down-Canyon service area averages about 45.61 mg (about 140 acre-feet) per year. The Clark Treatment Plant treats water from Fern Creek to serve approximately 350 Down-Canyon municipal customers during the peak season summer months.

Actions by JLPUD to Reduce Dependence on Fern Creek

In order to be a good steward of its resources, JLPUD has taken actions to reduce water usage by its customers. JLPUD's Ordinance No. 2008-01 (attached as **Exhibit 1**) sets forth the District's water conservation program. Also attached as **Exhibit 2** is the April 22, 2014 notification of Stage 2 watering restrictions issued by Richard Ciauri, JLPUD General Manager in response to the continuing dry conditions. JLPUD intends to impose Stage 3 restrictions this summer (summer of 2014).

Also, in order to reduce its dependence on Fern Creek, the primary source of water for the Clark Treatment Plant and thus the Down-Canyon service area, JLPUD is seeking approval for the installation of a new groundwater well that could be used as an additional source for the Clark Treatment Plant. The U.S. Forest Service (USFS) issued JLPUD a special use permit for the Test Well on December 9, 2013. The District will now need to submit an application to the USFS to turn the test well into a production well, which will require that the District conduct pump tests and complete a comprehensive groundwater study. Until that study and the pump test results are completed, the District cannot know whether the well will yield water of sufficient quantity and quality to allow it to be used to supplement its Fern Creek source, or even whether it will even be approved by USFS.

Justification for Requested Change

At the request of JLPUD, on September 12, 2013, Heidi Sickler, senior Environmental Scientist of the California Department of Fish and Wildlife made a site visit with Richard Ciauri to Fern Creek, including the Fern Creek Diversion facility. JLPUD was bypassing about 111 gallons per minute over its diversion facility (see **Table 2**) during the September 12th site visit. As documented in Ms. Sickler's October 17, 2013 email to Mr. Ciauri (attached as **Exhibit 3**), she observed the lack of hydraulic continuity in Fern Creek between the diversion point and the confluence with Reversed Creek. The water being bypassed disappeared into the ground some 250 feet downstream of the diversion facility.

Ms. Sickler's email states that she consulted with fisheries and wildlife biologists on her staff, and determined that brook trout are present in Fern Lake located upstream of the JLPUD diversion point and therefore may be present in Fern Creek. However, she felt that the effect of the summertime low flows in Fern Creek on brook trout would not be significant. Further, her staff concluded that wildlife, including deer, may utilize Fern Creek as a drinking water source during normal conditions, but that they are well adapted to the seasonal dry conditions in the area and are able to use several other nearby water sources when flows in Fern Creek diminish and naturally go underground.

As discussed herein, the subject bypass term originated from the protest filed by CSPA, which stated that the proposed water diversion could adversely impact fishery resources in Rush Creek and the ecosystem of Mono Lake. The watershed area tributary to Rush Creek is over 25

times the tributary area to the diversion on Fern Creek. It would seem unlikely that the proposed reduction in the bypass amount (a small fraction of Fern Creek flows) would have any measurable effect on fishery resources in Rush Creek and the ecosystem of Mono Lake. This conclusion was also reached by State Water Board staff in its April 10, 1992 response to CSPA (see **Exhibit 4**). The CSPA protest also expressed concern about the ecosystem of Reversed Creek, but during an October 4, 2013 phone conversation with JLPUD, Heidi Sickler concluded that a reduction in bypass flows in Fern Creek would not adversely affect the fishery or amphibian resources of Reversed Creek.

In her October 17th email, Ms. Sickler recommended that JLPUD maintain a bypass that will ensure some continuous flow of water over the diversion facility even in low water years. JLPUD proposes that its minimum bypass amount be reduced to 25 gallons per minute, an amount exceeding the guidance provided by California Fish and Game Code Sections 6021-6022[1], which states:

> 6021. The department shall examine new or existing conduits, and may install, maintain, repair, and replace fish screens, bypasses, or other devices to prevent the passage of fish through a conduit, when in the opinion of the department such a screen or device is practical and necessary. The owner of a conduit shall grant to the department the right of access to the conduit for the installation and maintenance of the screen, and shall provide the department with an easement for a site for the installation of the screen or device deemed suitable by the department. The owner shall also supply sufficient water for a bypass to carry fish stopped by the screen or device back to the channel from which they were diverted, and an easement for the bypass channel, but such easement shall not require the acquisition or leasing of additional lands by the owner. No water for a bypass shall be required if the channel from which the water is diverted is dry or incapable of supporting fish life below the point of diversion.
>
> 6022. Sufficient water for a bypass shall be not to exceed the following:
> (a) Diversions under three cubic feet per second capacity shall not be required to bypass more than 18 gallons per minute.
> (b) Diversions of three cubic feet per second or more, but under 10 cubic feet per second, shall not be required to bypass more than 30 gallons per minute.
> (c) Diversions of 10 cubic feet per second or more, but under 20 cubic feet per second, shall not be required to bypass more than 40 gallons per minute.
> (d) Diversions of 20 cubic feet per second or over shall not be required to bypass more than one-half of 1 percent of the capacity of the diversion.
> (e) Diversions built by the Government of the United States and requiring bypasses longer than one-quarter mile shall bypass such amount of water as is necessary to return fish to the permanent channel satisfactorily.

[1] While the California Fish and Game Code does not specifically address in-stream bypass flows, Sections 6021-6022 provide the most relevant guidance available. According to Sections 6021-6022, a bypass of 18 gpm would be adequate for Permit 21185, whose authorized rate of diversion is 0.3 cfs.

No Injury to Lawful User of Water

No downstream diverters of record would be injured by this requested change. As shown on **Plate 1**, U.S. Inyo National Forest holds a Statement of Water Diversion and Use on Reversed Creek and one on Rush Creek at Grant Lake. Diversion under the two Statements (S010214 and S010215) total less than 1,200 gallons per day. The Los Angeles Department of Water and Power holds License 10191 (A08042) and Statement 1666 for diversions from Rush Creek at Grant Lake (see **Plate 1**). The watershed area of Rush Creek above Grant Lake is 32,871 acres, some 25 times that of the watershed of Fern Creek. It is reasonable to assume that a reduction in the bypass amount would not significantly affect any downstream lawful users of water.

The proposed change is in the public interest, because absent this change, JLPUD would be precluded from diverting sufficient water under Permit 21185 to provide treated municipal water to the residents of the Down-Canyon service area. Lack of a continuing supply of potable water would threaten public health and safety.

Environmental Review

JLPUD is the lead agency responsible for compliance with the California Environmental Quality Act (CEQA) for this Petition. JLPUD's Notice of Exemption pursuant to CEQA is attached as **Exhibit 5**.

Table 1
June Lake Public Utility District
Water Rights Within
Down-Canyon Water Service Area

Application #	Permit / License	Priority Date	Name	Source	Direct Diversion Rate	Diversion Season	No. of Days for Diversion	Total Direct Diversion Amount (acre-feet)	Purpose
A005425	L002039	4/22/2027	June Lake PUD	Unnamed Sp. trib to Reversed Cr. Fern Cr. trib to Reversed Cr.	3000 gpd	1/1 - 12/31	365	3.4 [2]	Dom, Muni
A009432	L004358	10/4/1938	June Lake PUD	Unnamed Sp. trib to Reversed Cr. Fern Cr. trib to Reversed Cr.	16,000 gpd	1/1 - 12/31	365	17.9 [2,3]	Dom, Muni
A011892	P007350	5/23/1947	June Lake PUD **Expired 12-1-05**[4]	Fern Cr. Trib to Reversed Cr. Unnamed St. trib to Reversed Cr. Two Unnamed Sp. trib to Reversed Cr.	62,000 gpd	1/1 - 12/31	365	40 [2,5]	Dom
A012060	P007352	8/28/1948	June Lake PUD **Expired 12-1-10**[6]	Unnamed St. trib to Reversed Cr. Unnamed Sp. Trib to Reversed Cr. Fern Cr. trib to Reversed Cr.	0.13 cfs	1/1 - 12/31	365	55 [2,7]	Dom
A017120	L010837	6/8/1956	June Lake PUD	Unnamed Sp. trib to Reversed Cr. Fern Cr. trib to Reversed Cr.	13,000 gpd	1/1 - 12/31	365	4.2 [2]	Dom
A020349	L010838	8/14/1961	June Lake PUD	Unnamed Sp. trib to Reversed Cr. Fern Cr. trib to Reversed Cr.	15,000 gpd	1/1 - 12/31	365	4.9 [2]	Dom

Table 1
June Lake Public Utility District
Water Rights Within
Down-Canyon Water Service Area

Application #	Permit / License	Priority Date	Name	Source	Direct Diversion Rate	Diversion Season	No. of Days for Diversion	Total Direct Diversion Amount (acre-feet)	Purpose
A026192	P018199	1/31/1980	June Lake PUD **Expired 12-31-08**[6]	Unnamed Sp. trib to Reversed Cr. Fern Cr. trib to Reversed Cr.	0.03 cfs	1/1 - 12/31	365	21.7 [2]	Dom, Muni
A028609	P021185	10/31/1985	June Lake PUD **Expires 12/31/16**	Unnamed Sp. trib to Reversed Cr. Fern Cr. trib to Reversed Cr.	0.3 cfs	1/1 - 12/31	365	150 [2]	Muni
								297.1 af [2]	

(1) Information obtained from State Water Resources Control Board files for referenced rights.

(2) The average water use from January 1 - December 31 under Applications 5425, 9432, 11892, 12060, 17120, 20349, 26192 and 28609 cannot exceed 65 gpd/capita based on current Agreement with Los Angeles Department of Water and Power.

(3) The maximum diverted under License 4358 (A009432) shall not exceed 17.9 acre-feet per year.

(4) Pending License issuance.

(5) The total annual diversion and use allowed under Permit 7350 (A011892) is limited to 40 acre-feet.

(6) A License has been requested.

(7) The total annual diversion and use allowed under Permit 7352 (A012060) is limited to 55 acre-feet.

Table 2
Clark Treatment Plant Bypass Amounts
2003 - 2013

Date	Bypass (MGD)	Bypass (GPM)
12/17/2003	0.16	111.1
12/23/2003	0.14	97.2
12/31/2003	0.16	111.1
1/7/2004	0.24	166.7
1/14/2004	0.12	83.3
1/21/2004	0.1	69.4
1/28/2004	0.1	69.4
2/4/2004	0.12	83.3
2/11/2004	0.1	69.4
2/18/2004	0.28	194.4
2/25/2004	0.2	138.9
3/3/2004	0.2	138.9
3/10/2004	0.2	138.9
3/17/2004	0.27	187.5
3/24/2004	0.6	416.7
3/31/2004	0.6	416.7
4/7/2004	0.68	472.2
4/14/2004	0.72	500.0
4/21/2004	0.59	409.7
4/28/2004	1.3	902.8
5/5/2004	1.15	798.6
5/12/2004	1.43	993.1
5/19/2004	0.86	597.2
5/30/2004	1.2	833.3
6/2/2004	1.4	972.2
6/9/2004	0.2	138.9
6/15/2004	0.34	236.1
6/24/2004	0.7	486.1
6/27/2004	0.2	138.9
7/7/2004	1.28	888.9
7/14/2004	1.2	833.3
7/21/2004	1.2	833.3
7/27/2004	0.46	319.4
8/4/2004	0.24	166.7
8/11/2004	0.25	173.6
8/25/2004	1	694.4
9/8/2004	1	694.4
9/15/2004	1.1	763.9
9/22/2004	1.1	763.9
10/3/2004	1	694.4

Table 2
Clark Treatment Plant Bypass Amounts
2003 - 2013

Date	Bypass (MGD)	Bypass (GPM)
10/6/2004	1.2	833.3
10/14/2004	0.9	625.0
10/20/2004	0.44	305.6
10/27/2004	0.46	319.4
11/1/2004	0.4	277.8
11/9/2004	0.51	354.2
2/9/2005	0.34	236.1
2/17/2005	0.36	250.0
3/20/2005	0.32	222.2
3/24/2005	0.34	236.1
4/2/2005	0.20	138.9
4/13/2005	0.30	208.3
4/20/2005	0.40	277.8
4/22/2005	0.80	555.6
5/4/2005	1.10	763.9
5/11/2005	0.18	125.0
5/19/2005	1.20	833.3
5/29/2005	1.40	972.2
6/1/2005	1.40	972.2
6/13/2005	1.30	902.8
6/15/2005	1.40	972.2
6/18/2005	1.40	972.2
6/22/2005	1.30	902.8
6/25/2005	1.40	972.2
6/29/2005	1.27	881.9
7/6/2005	1.40	972.2
7/13/2005	1.24	861.1
7/20/2005	0.46	319.4
7/27/2005	0.29	197.9
8/3/2005	0.24	166.7
8/10/2005	0.55	381.9
8/17/2005	0.40	277.8
8/24/2005	1.00	694.4
8/31/2005	0.80	555.6
9/6/2005	0.72	500.0
9/14/2005	0.50	347.2
9/16/2005	0.70	486.1
9/19/2005	0.65	451.4
9/21/2005	0.60	416.7
9/23/2005	0.50	347.2

Table 2
Clark Treatment Plant Bypass Amounts
2003 - 2013

Date	Bypass (MGD)	Bypass (GPM)
9/28/2005	0.65	451.4
10/5/2005	0.48	333.3
10/12/2005	0.60	416.7
10/19/2005	0.45	312.5
10/22/2005	0.48	333.3
10/27/2005	0.30	208.3
11/2/2005	0.45	312.5
11/5/2005	0.47	326.4
11/9/2005	0.58	402.8
11/16/2005	0.30	208.3
11/18/2005	0.24	166.7
11/19/2005	0.40	277.8
11/24/2005	0.40	277.8
12/1/2005	0.42	291.7
12/7/2005	0.56	388.9
12/28/2005	0.85	590.3
12/31/2005	0.85	590.3
1/9/2006	0.44	305.6
1/11/2006	0.38	263.9
1/18/2006	0.44	305.6
1/25/2006	0.25	173.6
2/1/2006	0.30	208.3
2/22/2006	0.40	277.8
3/1/2006	0.60	416.7
3/8/2006	0.60	416.7
3/22/2006	0.60	416.7
4/5/2006	0.65	451.4
4/19/2006	0.30	208.3
4/27/2006	0.30	208.3
5/3/2006	0.65	451.4
5/10/2006	0.25	173.6
5/19/2006	0.20	138.9
6/14/2006	0.20	138.9
6/28/2006	1.30	902.8
7/5/2006	2.00	1,388.9
7/20/2006	0.80	555.6
7/26/2006	0.30	208.3
8/2/2006	0.10	69.4
8/9/2006	1.20	833.3
8/16/2006	0.80	555.6

Table 2
Clark Treatment Plant Bypass Amounts
2003 - 2013

Date	Bypass (MGD)	Bypass (GPM)
8/23/2006	0.80	555.6
8/30/2006	0.80	555.6
9/6/2006	0.50	347.2
9/13/2006	0.60	416.7
9/20/2006	0.28	194.4
9/27/2006	0.50	347.2
10/4/2006	0.35	243.1
10/11/2006	0.30	208.3
10/21/2006	0.30	208.3
10/25/2006	0.30	208.3
11/1/2006	0.30	208.3
11/10/2006	0.30	208.3
11/15/2006	0.30	208.3
11/22/2006	0.30	208.3
11/29/2006	1.00	694.4
12/6/2006	0.40	277.8
12/20/2006	0.20	138.9
1/3/2007	0.50	347.2
1/11/2007	0.25	173.6
1/17/2007	0.50	347.2
1/24/2007	0.50	347.2
1/31/2007	0.50	347.2
2/7/2007	0.50	347.2
2/14/2007	0.25	173.6
2/21/2007	0.50	347.2
3/2/2007	0.25	173.6
3/22/2007	0.35	243.1
3/31/2007	0.40	277.8
4/4/2007	0.50	347.2
4/11/2007	0.12	83.3
4/18/2007	0.15	104.2
4/25/2007	0.27	187.5
5/9/2007	0.30	208.3
5/16/2007	0.22	152.8
5/23/2007	1.00	694.4
5/30/2007	0.20	138.9
6/1/2007	0.10	69.4
6/6/2007	0.10	69.4
6/13/2007	1.00	694.4
6/20/2007	1.00	694.4

Table 2
Clark Treatment Plant Bypass Amounts
2003 - 2013

Date	Bypass (MGD)	Bypass (GPM)
6/24/2007	1.00	694.4
6/27/2007	1.00	694.4
7/4/2007	0.75	520.8
7/11/2007	0.50	347.2
7/18/2007	0.75	520.8
7/25/2007	0.50	347.2
8/1/2007	0.50	347.2
8/15/2007	0.10	69.4
8/22/2007	0.10	69.4
8/29/2007	0.10	69.4
9/5/2007	0.10	69.4
9/12/2007	0.10	69.4
9/19/2007	0.09	62.5
9/26/2007	0.10	69.4
10/3/2007	0.10	69.4
10/10/2007	0.10	69.4
10/17/2007	0.10	69.4
12/24/2007	0.10	69.4
10/31/2007	0.10	69.4
11/7/2007	0.40	277.8
11/14/2007	0.10	69.4
11/28/2007	0.10	69.4
12/5/2007	0.20	138.9
12/12/2007	0.30	208.3
12/19/2007	0.50	347.2
12/26/2007	0.30	208.3
1/2/2008	0.20	138.9
1/10/2008	0.10	69.4
1/16/2008	0.10	69.4
1/24/2008	0.10	69.4
2/1/2008	0.20	138.9
2/6/2008	0.20	138.9
2/13/2008	0.20	138.9
2/20/2008	0.15	104.2
3/5/2008	0.15	104.2
3/12/2008	0.15	104.2
3/19/2008	0.10	69.4
3/26/2008	0.10	69.4
4/2/2008	0.10	69.4
4/8/2008	0.40	277.8

Table 2
Clark Treatment Plant Bypass Amounts
2003 - 2013

Date	Bypass (MGD)	Bypass (GPM)
4/16/2008	0.40	277.8
4/23/2008	0.60	416.7
4/30/2008	1.00	694.4
5/8/2008	1.40	972.2
5/14/2008	1.50	1,041.7
5/19/2008	1.50	1,041.7
5/21/2008	1.80	1,250.0
5/28/2008	1.00	694.4
6/4/2008	1.30	902.8
6/11/2008	1.30	902.8
6/18/2008	1.30	902.8
6/25/2008	1.30	902.8
7/2/2008	0.90	625.0
7/9/2008	1.00	694.4
7/16/2008	0.60	416.7
7/19/2008	1.20	833.3
7/23/2008	0.70	486.1
7/30/2008	0.65	451.4
8/6/2008	0.47	326.4
8/13/2008	0.45	312.5
8/20/2008	0.32	222.2
8/27/2008	0.27	187.5
9/2/2008	0.20	138.9
9/10/2008	0.12	83.3
9/17/2008	0.10	69.4
9/24/2008	0.10	69.4
10/1/2008	0.14	96.5
10/8/2008	0.14	93.8
10/22/2008	0.35	243.1
10/30/2008	0.21	145.8
11/5/2008	0.12	83.3
11/13/2008	0.36	250.0
11/19/2008	0.37	256.9
11/26/2008	0.42	291.7
4/1/2009	0.20	138.9
7/7/2009	0.39	270.8
4/15/2009	0.27	187.5
4/22/2009	1.20	833.3
4/29/2009	0.84	583.3
5/6/2009	1.20	833.3

Table 2
Clark Treatment Plant Bypass Amounts
2003 - 2013

Date	Bypass (MGD)	Bypass (GPM)
5/13/2009	1.10	763.9
5/18/2009	1.50	1,041.7
5/20/2009	0.40	277.8
5/27/2009	1.00	694.4
11/4/2009	0.50	347.2
11/11/2009	0.47	326.4
11/18/2009	0.40	277.8
11/25/2009	0.40	277.8
12/2/2009	0.40	277.8
12/9/2009	0.39	270.8
12/16/2009	0.26	180.6
12/30/2009	0.20	138.9
1/6/2010	0.35	243.1
1/15/2010	0.50	347.2
1/26/2010	0.35	243.1
2/3/2010	0.15	104.2
1/10/2010	0.40	277.8
33/11/10	0.19	131.9
3/18/2010	0.18	125.0
3/24/2010	0.20	138.9
3/31/2010	0.40	277.8
4/7/2010	0.30	208.3
4/13/2010	0.32	222.2
4/24/2010	0.30	208.3
5/5/2010	0.96	666.7
5/10/2010	1.20	833.3
1/4/2012	0.30	208.3
1/11/2012	0.32	222.2
1/18/2012	0.34	236.1
1/25/2012	0.34	236.1
2/1/2012	0.32	222.2
2/8/2012	0.30	208.3
2/15/2012	0.32	222.2
2/22/2012	0.25	173.6
2/29/2012	0.32	222.2
3/7/2012	0.20	138.9
3/13/2012	0.25	173.6
3/21/2012	0.25	173.6
3/28/2012	0.23	159.7
4/4/2012	0.32	222.2

Table 2
Clark Treatment Plant Bypass Amounts
2003 - 2013

Date	Bypass (MGD)	Bypass (GPM)
4/10/2012	0.20	138.9
4/19/2012	0.25	173.6
4/23/2012	1.50	1,041.7
5/2/2012	1.50	1,041.7
5/9/2012	1.40	972.2
5/16/2012	1.40	972.2
5/23/2012	1.40	972.2
5/30/2012	0.99	684.7
6/6/2012	1.00	694.4
6/13/2012	0.90	625.0
6/20/2012	0.80	555.6
6/27/2012	0.55	381.9
7/4/2012	0.54	375.0
7/11/2012	0.40	277.8
7/18/2012	0.25	173.6
7/25/2012	0.22	152.8
8/1/2012	0.09	62.5
8/8/2012	0.20	138.9
8/15/2012	0.35	243.1
8/22/2012	0.40	277.8
8/25/2012	0.28	194.4
8/29/2012	0.10	69.4
9/3/2012	0.10	69.4
9/8/2012	0.12	83.3
9/12/2012	0.10	69.4
9/19/2012	0.10	69.4
9/22/2012	0.20	138.9
9/26/2012	0.10	69.4
10/3/2012	0.20	138.9
10/10/2012	0.11	76.4
10/17/2012	0.13	90.3
10/24/2012	0.15	104.2
10/31/2012	0.24	166.7
11/7/2012	0.24	166.7
11/14/2012	0.30	208.3
11/21/2012	0.13	90.3
11/28/2012	0.26	180.6
12/4/2012	0.31	215.3
12/11/2012	0.36	250.0
12/19/2012	0.32	222.2

Table 2
Clark Treatment Plant Bypass Amounts
2003 - 2013

Date	Bypass (MGD)	Bypass (GPM)
12/26/2012	0.45	312.5
1/2/2013	0.32	222.2
1/9/2013	0.19	131.9
1/16/2013	0.26	180.6
1/24/2013	0.29	201.4
1/30/2013	0.28	194.4
2/6/2013	0.28	194.4
2/13/2013	0.29	201.4
2/20/2013	0.16	111.1
2/27/2013	0.24	166.7
3/13/2013	0.30	208.3
3/20/2013	0.24	166.7
3/27/2013	0.30	208.3
4/3/2013	0.39	270.8
4/10/2013	0.60	416.7
4/17/2013	0.90	625.0
4/24/2013	1.30	902.8
5/1/2013	1.40	972.2
5/8/2013	1.00	694.4
5/15/2013	1.30	902.8
5/22/2013	1.40	972.2
5/29/2013	1.20	833.3
6/5/2013	1.40	972.2
6/12/2013	1.20	833.3
6/19/2013	1.00	694.4
6/25/2013	0.75	520.8
7/1/2013	0.70	486.1
7/3/2013	1.20	833.3
7/10/2013	0.98	680.6
7/17/2013	0.82	569.4
7/31/2013	0.45	312.5
8/7/2013	0.15	104.2
8/14/2013	0.10	69.4
8/21/2013	0.30	208.3
8/28/2013	0.28	194.4
9/4/2013	0.15	104.2
9/11/2013	0.16	111.1
9/18/2013	0.15	104.2
9/25/2013	0.25	173.6
10/2/2013	0.25	173.6

Table 2
Clark Treatment Plant Bypass Amounts
2003 - 2013

Date	Bypass (MGD)	Bypass (GPM)
10/9/2013	0.28	194.4
10/16/2013	0.31	215.3
10/23/2013	0.18	125.0
10/30/2013	0.27	187.5
11/6/2013	0.29	201.4
11/13/2013	0.28	194.4
11/20/2013	0.29	201.4
11/27/2013	0.31	215.3
12/3/2013	0.32	222.2