

**Note: Please scan this document separate from the license and field exam report. Thank you.**

## MEMORANDUM

**Date:** March 02, 2016  
**To:** Water Right File 63-12448  
**From:** Ashley Newbry  
**Re:** Licensing Memorandum

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The field examination for permit 63-12448 was performed by a certified field examiner at SPF Water Engineering. Prior to licensing, a few additional items of concern should be addressed.

### 1. Custom Conditions of Permit 63-12448

Permit 63-12448 includes two conditions customized for compliance with the protests filed by the Chase Estate—the property west of Brookwood subdivision, directly across Floating Feather Road. These conditions are presented in Karl Dreher’s final order dated September 22, 2005 (backfile folder #6). Each of these conditions will be considered below.

- A. *The City of Eagle must compensate for the loss of production from the dairy-domestic well to the full extent of the diversion rate authorized under water right no. 63-15820 (0.04 cfs) and claim no. 63-05226 (0.13 cfs) caused by diverting ground water from Eagle well no. 3 located in the SWSW, Section 4, T4N, R1E. Two acceptable alternatives for compensation are:*
- (a) constructing a new well for the Chase Estate, installing the necessary pumping equipment, and paying for additional pumping costs; or*
  - (b) providing direct back-up service from the City of Eagle’s municipal system without additional cost to the Chase Estate.*

*If one of these two alternatives is offered to the Chase Estate by the City of Eagle, the Chase Estate must except the alternative offered. If the Chase Estate does not accept whichever of these two alternatives is offered by the City of Eagle, the Chase Estate is not entitled to protection of its rights. Alternatively, the Chase Estate and the City of Eagle may negotiate another mutually acceptable alternative for compensation.*

The City selected item (b) “providing direct back-up service from the City of Eagle’s municipal system without additional cost to the Chase Estate.” On October 28, 2015, I met with the City of Eagle Water Superintendent regarding right 63-11413. At that time, Mr. Ken Acuff, Water Superintendent, provided me with a copy of the Chase Estate water meter readings. The City meters the Chase property water use like all of its other municipal system users, but does not bill the Chase Estate for its use.

- B. *Before construction of Eagle well no. 3 in the SWSW, Section 4, T4N, R1E, is completed and ground water is diverted from Eagle well no. 3, the Chase Estate may conduct a pump test using the small irrigation well. The Department must pre-approve the test, and the city of Eagle*

*must be allowed to participate in the test. The test must use presently in-place pumping equipment and be conducted for a sufficient duration to establish the current sustainable rate of diversion. Any sustainable rate of diversion within the diversion rate limitation of claim no. 63-05229 (0.46 cfs) will be recognized as diversion capacity that will no longer be available because of declines caused by diverting ground water from Eagle well no. 3 in the SWSW, Section 4, T4N, R1E. The City of Eagle must compensate the Chase Estate for any loss of proven, sustainable diversion rate from the small irrigation well. Two acceptable alternatives for compensation are:*

*(a) constructing a new well for the Chase Estate, installing the necessary pumping equipment, and paying for additional pumping costs; or*

*(b) providing direct back-up service from the City of Eagle's municipal system without additional cost to the Chase Estate.*

*If one of these two alternatives is offered to the Chase Estate by the City of Eagle, the Chase Estate must accept the alternative offered. If the Chase Estate does not accept whichever of these two alternatives is offered by the City of Eagle, the Chase Estate is not entitled to protection of its rights. Alternatively, the City of Eagle and the Chase Estate may negotiate another mutually acceptable alternative for compensation.*

The pump test pursuant to the abovementioned condition occurred on February 10, 2006. The Department received this notification in the form of a letter from ERO Resources Group on February 16, 2006 (backfile folder #7). Ms. Cynthia Clark was present to observe the pump test on behalf of the Department. The analysis presented by ERO estimates that the Chase Estate Small Irrigation well could sustain a rate of 66.4 gpm (0.15 CFS). Right 63-5229 was claimed in the SRBA for 0.46 CFS, but the partial decree was issued in 2007 for 0.26 CFS. Despite the difference between the claim and partial decree, the analysis indicates some loss of sustainable diversion rate. The City chose selected item (b) to compensate losses to the Chase Estate.

In order to memorialize these customized conditions, I propose replacing them with the following verbiage for License 63-12448:

*The City of Eagle shall maintain direct back-up service from the City of Eagle's municipal system without additional cost to the Chase Estate. This water service compensates for the loss of production from the dairy-domestic well and the small irrigation well caused by diverting ground water from Eagle well no. 3 located in the SWSW, Section 4, T4N, R1E. The full extent of the diversion rate and volume authorized under each of the following decreed water rights is authorized to be diverted at the municipal water service: 63-15820 (0.04 cfs), 63-05226 (0.10 cfs) and 63-05229 (0.26 cfs).*

At a later date, I received a request to modify the language of this condition to reflect the fact that the City of Eagle and the Chase Estate may not own the abovementioned rights into perpetuity. The condition language was modified to the following:

*The right holder of 63-12448 shall maintain direct back-up service from the right holder's municipal system without additional cost to the right holder(s) of 63-15820, 63-05226 and 63-05229. This water service compensates for the loss of production from the dairy-domestic well and the small irrigation well caused by diverting ground water from the municipal production well located in the SWSW, Section 4, T4N, R1E. The full extent of the diversion rate and volume authorized under each of the following decreed water rights is authorized to be*

*diverted at the municipal water service: 63-15820 (0.04 cfs), 63-05226 (0.10 cfs) and 63-05229 (0.26 cfs).*

## **2. Reporting Requirement Condition**

Dreher's 2005 final order also imposes the following condition, which requires annual reporting: *The right holder shall install suitable measuring devices approved by the Department at Eagle wells no. 3 and no. 4 and shall annually provide a report to the Department documenting the total volume of ground water diverted annually to the Department.*

- A. The City of Eagle Municipal Well No. 4 was proposed to be drilled in association with water rights/permits 63-12448, 63-11413, and 63-12017 was never constructed. The intended well does not exist. Any allusion to the **constructed** City of Eagle Well No. 4 should not be confused with the well that was only planned at the T04N R01E S4 NESE location (preliminarily named Hormachea/Brookwood No. 2). Therefore, there is no information relevant to this discussion regarding City of Eagle Municipal Well No. 4.
- B. I conducted the field examination for 63-11413 and observed a measurement device on City Municipal Well No. 3 (Brookwood). Therefore, this portion of the condition is in compliance.
- C. The water right file does not give evidence that the City submitted any annual reports which document the total volume of ground water diverted each year. On the other hand, when I met with Mr. Acuff on October 28, 2015, he provided diversion records for each well in the City from 2009 to present (2015). During the months that followed, Mr. Acuff and Kellie Rekow, Utility Billing Administrator, provided me with all of the diversion records available, for all of the east water system—City Well Nos. 1-3.

Brent Arte's comments on the Proof of Beneficial Use document display a misunderstanding of the annual reporting condition. This requirement was likely placed on the permit in order to facilitate issuance of a water right license. Because the Department now has all of the diversion information relevant to this condition, I propose that we do not place this condition on Water Right License 63-12448.

## **3. Combined Volume Limit**

Water right 63-11413 was recently licensed for a volume of 434.0 AFA based on the peak demand during its development period, with 1999 as the peak year. Because water permit 63-12448 has always been a "municipal" nature of use; it would not typically have a diversion limit. Water rights/permits 63-11413, 63-12448, and 63-12017 share a combined use volume limit of 1,455 AF. When the City submitted Application for Permit 63-12448, they requested this combined use limit to reflect their private use-agreement with United Water Idaho. A diversion volume of 1,455 AF was considered their conservative estimate, assuming that up to 550 homes would not have access to surface water for irrigation. This combined diversion volume allowed for any development and increase in demand on the City's east diversion and distribution system. The City's application also included a less conservative estimate, in the event that all of the homes were provided surface water for irrigation. This estimate was 1,125 AF per year, including any volume associated with 63-12017. When I conducted the field exam for 63-11413, I learned that the entire development (today known as Lexington Hills and Brookwood) receives surface water for irrigation.

Water permit 63-12017 was “carved” out of permit 63-11413 in response to a complaint filed against the use of municipal water for ponds. Permit 63-12017, for wildlife, wildlife storage, recreation, recreation storage, aesthetic, aesthetic storage, and diversion to storage, has a total diversion volume which is not directly stated on the permit. Five acres of irrigation was removed from 63-11413 to mitigate for the consumptive portion of the 63-12017 ponds. Per the City of Eagle’s Application for Permit 63-12448 and Steve Lester’s analysis in the file, the mitigation associated with 63-12017 is 22.5 AF (4.5 AF per acre x 5 acres idled = 22.5 AF).

Permit 63-12017 was intended to allow the community to fill the ponds during development of the subdivision and to top-off the ponds *when Farmers Union Canal water is not available* following development. Permit 63-12017 was filed for the subdivision which today is known as Lexington Hills. It was never amended to include Brookwood, the neighboring subdivision to the west. I measured the Lexington Hills’s water amenity ponds and found a surface area of 4.63 acres. Using the surface area, the estimated volume of evaporation losses is 8.1 AF.

Based on the information presented here, I propose that water rights/permits 63-11413 (434.0 AF), 63-12448, and 63-12017 (up to 56.0 AF) share a combined use volume limit of 1,125 AF.

#### **4. Combined Flow Rate Limit**

Water permit 63-11413 was originally issued with a 3.25 CFS diversion rate. When 63-12017 was “carved out,” the diversion rate was reduced to 3.15 CFS. Water rights/permits 63-11413, 63-12448, and 63-12017 currently share a combined diversion rate limit of 3.25 CFS. I propose that this diversion rate remain as is. Though the City likely uses their storage to meet peak-hour demand, they have the pumping capacity and theoretical max day demand to require diversion rates in excess of 3.25 CFS.

#### **5. Water Supply Bank**

A portion of water permit 63-12448 was leased to the Water Supply Bank in September 2007 (0.8 CFS, 130 AF). The City concurrently rented out their leased water right in order to assist the development of Eaglefield and Legacy subdivisions while applications 63-32089 and 63-32090 were protested. The rental agreement ended in December 2008. The City has continued to lease permit 63-12448; it is currently in a 2013 to 2017 lease contract. If the abovementioned combined use limits are approved at the licensing of 63-12448, I recommend that the Bank not renew the lease of 63-12448. From the data submitted for licensing 63-14113, it appears that the City may currently need to utilize their full diversion rate at times of peak demand.



SCALE: 1 INCH=50 FEET  
PIPE NOT TO SCALE



E. FLOATING FEATHER RD.

### LEGEND

- 12" CITY OF EAGLE
- 16" UNITED WATER CO.
- 12" EAGLE WATER CO.
- 2" WATER SERVICE
- - - - CHASE WATER DISTRIBUTION LINE
- ⊙ CHASE DAIRY DOMESTIC WELL

### NOTES:

- ① AERIAL PHOTO ALIGNMENT AND SCALE APPROXIMATE
- ② ROAD RIGHT OF WAY NOT SHOWN

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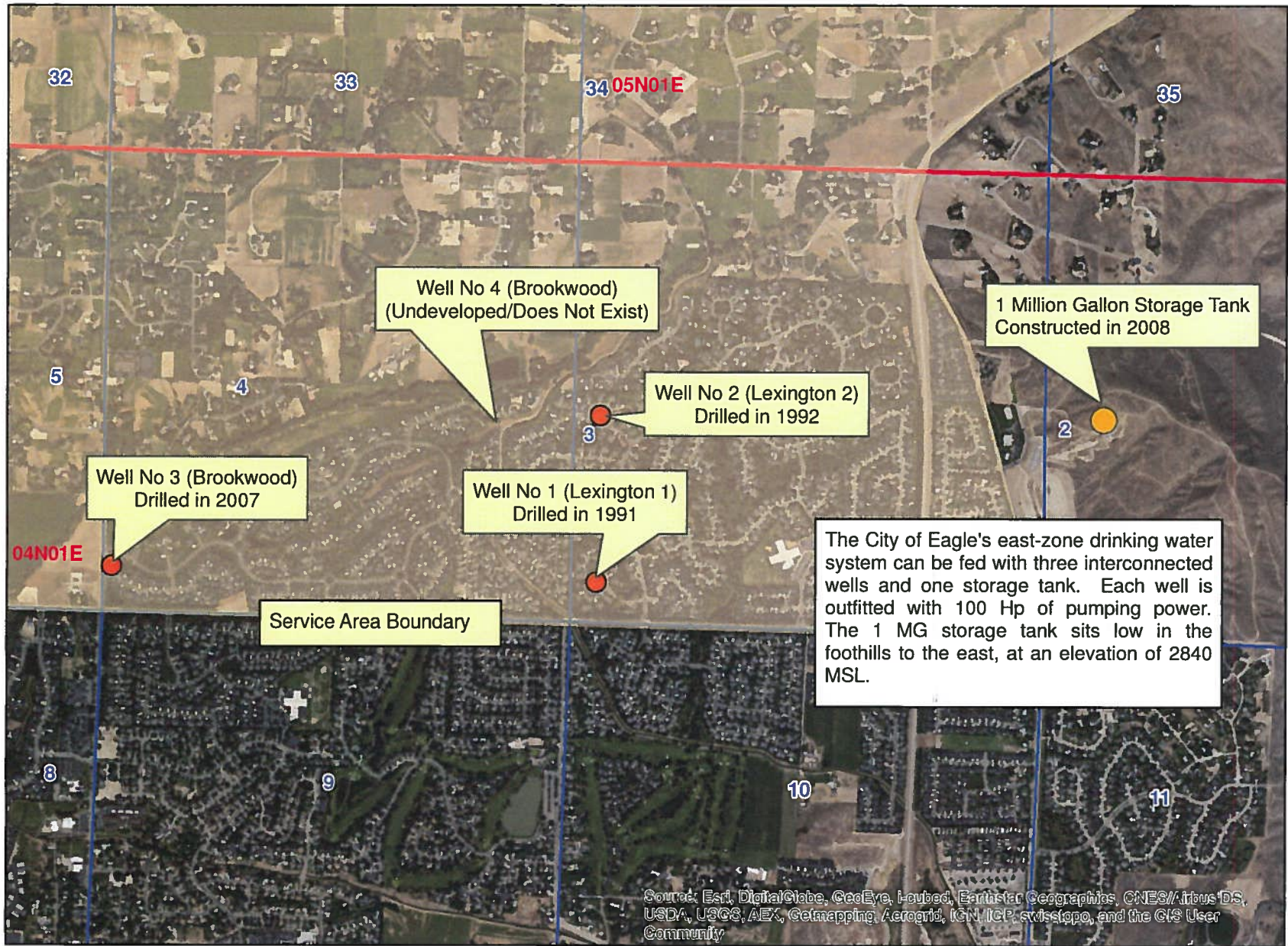
**CITY OF EAGLE, BROOKWOOD WELL  
CHASE MITIGATION PLAN  
MAP OF DIAGRAM ITEM 1**

JOB NO: EG014100  
DATE: 10/25/05  
PLOTTED: 10/25/05  
CADD FILE:  
SCALE OR DIMENSION: 1/8"=1'-0"  
DRAWN BY: CHD  
CHECKED BY: EGD

LAYOUT SHEETS A-B

Memo Reference 63-12448

Memo Reference 03-12448



City of Eagle

\*\*\*Permit 63-12448 development period highlighted in green: December 3, 1998 to September 29, 2009.

Start Date	End Date	Days Elapsed	Sum Gallons	Sum AF	Users	GPD gal/day	ADD cfs	Lo MDD cfs PF = 1.5	Md MDD cfs PF = 2.25	Hi MDD cfs PF = 3	Lo PHD cfs PF = 2.25	Md PHD cfs PF = 3.375	Hi PHD cfs PF = 4.5
<i>United Water Idaho Records</i>													
6/1/1998	6/30/1998	30	4,450,000	14		148,333	0.23	0.34	0.52	0.69	0.52	0.77	1.03
7/1/1998	7/31/1998	31	5,580,000	17		180,000	0.28	0.42	0.63	0.84	0.63	0.94	1.25
8/1/1998	8/31/1998	31	4,890,000	15		157,742	0.24	0.37	0.55	0.73	0.55	0.82	1.10
9/1/1998	9/30/1998	30	3,620,000	11		120,667	0.19	0.28	0.42	0.56	0.42	0.63	0.84
10/1/1998	10/31/1998	31	5,830,000	18		188,065	0.29	0.44	0.65	0.87	0.65	0.98	1.31
11/1/1998	11/30/1998	30	5,130,000	16		171,000	0.26	0.40	0.60	0.79	0.60	0.89	1.19
12/1/1998	12/31/1998	31	5,350,000	16		172,581	0.27	0.40	0.60	0.80	0.60	0.90	1.20
1/1/1999	1/31/1999	31	4,090,000	13		131,935	0.20	0.31	0.46	0.61	0.46	0.69	0.92
2/1/1999	2/28/1999	28	3,220,000	10		115,000	0.18	0.27	0.40	0.53	0.40	0.60	0.80
3/1/1999	3/31/1999	31	6,150,000	19		198,387	0.31	0.46	0.69	0.92	0.69	1.04	1.38
4/1/1999	4/30/1999	30	5,050,000	15		168,333	0.26	0.39	0.59	0.78	0.59	0.88	1.17
5/1/1999	5/31/1999	31	4,480,000	14		144,516	0.22	0.34	0.50	0.67	0.50	0.75	1.01
6/1/1999	6/30/1999	30	5,040,000	15		168,000	0.26	0.39	0.58	0.78	0.58	0.88	1.17
7/1/1999	7/31/1999	31	11,050,000	34		356,452	0.55	0.83	1.24	1.65	1.24	1.86	2.48
8/1/1999	8/31/1999	31	17,180,000	53		554,194	0.86	1.29	1.93	2.57	1.93	2.89	3.86
9/1/1999	9/30/1999	30	16,830,000	52		561,000	0.87	1.30	1.95	2.60	1.95	2.93	3.91
10/1/1999	10/31/1999	31	25,600,000	79		825,806	1.28	1.92	2.88	3.83	2.88	4.31	5.75
11/1/1999	11/30/1999	30	32,650,000	100		1,088,333	1.68	2.53	3.79	5.05	3.79	5.68	7.58
12/1/1999	12/31/1999	31	10,030,000	31		323,548	0.50	0.75	1.13	1.50	1.13	1.69	2.25
1/1/2000	1/31/2000	31	5,970,000	18		192,581	0.30	0.45	0.67	0.89	0.67	1.01	1.34
2/1/2000	2/29/2000	29	6,390,000	20		220,345	0.34	0.51	0.77	1.02	0.77	1.15	1.53
3/1/2000	3/31/2000	31	5,990,000	18		193,226	0.30	0.45	0.67	0.90	0.67	1.01	1.35
4/1/2000	4/30/2000	30	9,260,000	28		308,667	0.48	0.72	1.07	1.43	1.07	1.61	2.15
5/1/2000	5/31/2000	31	6,190,000	19		199,677	0.31	0.46	0.70	0.93	0.70	1.04	1.39
6/1/2000	6/30/2000	30	8,480,000	26		282,667	0.44	0.66	0.98	1.31	0.98	1.48	1.97
7/1/2000	7/31/2000	31	8,690,000	27		280,323	0.43	0.65	0.98	1.30	0.98	1.46	1.95
8/1/2000	8/31/2000	31	7,390,000	23		238,387	0.37	0.55	0.83	1.11	0.83	1.24	1.66
9/1/2000	9/30/2000	30	5,410,000	17		180,333	0.28	0.42	0.63	0.84	0.63	0.94	1.26
10/1/2000	10/31/2000	31	7,880,000	24		254,194	0.39	0.59	0.88	1.18	0.88	1.33	1.77
11/1/2000	11/30/2000	30	9,420,000	29		314,000	0.49	0.73	1.09	1.46	1.09	1.64	2.19
12/1/2000	12/31/2000	31	7,770,000	24		250,645	0.39	0.58	0.87	1.16	0.87	1.31	1.75
1/1/2001	1/31/2001	31	8,350,000	26		269,355	0.42	0.63	0.94	1.25	0.94	1.41	1.88
2/1/2001	2/28/2001	28	9,310,000	29		332,500	0.51	0.77	1.16	1.54	1.16	1.74	2.32
3/1/2001	3/31/2001	31	11,910,000	37		384,194	0.59	0.89	1.34	1.78	1.34	2.01	2.68
4/1/2001	4/30/2001	30	6,810,000	21		227,000	0.35	0.53	0.79	1.05	0.79	1.19	1.58
5/1/2001	5/31/2001	31	8,240,000	25		265,806	0.41	0.62	0.93	1.23	0.93	1.39	1.85
6/1/2001	6/30/2001	30	9,820,000	30		327,333	0.51	0.76	1.14	1.52	1.14	1.71	2.28
7/1/2001	7/31/2001	31	8,680,000	27		280,000	0.43	0.65	0.97	1.30	0.97	1.46	1.95
8/1/2001	8/31/2001	31	8,310,000	26		268,065	0.41	0.62	0.93	1.24	0.93	1.40	1.87
9/1/2001	9/30/2001	30	7,560,000	23		252,000	0.39	0.58	0.88	1.17	0.88	1.32	1.75
10/1/2001	10/31/2001	31	14,350,000	44		462,903	0.72	1.07	1.61	2.15	1.61	2.42	3.22
11/1/2001	11/30/2001	30	8,600,000	26		286,667	0.44	0.67	1.00	1.33	1.00	1.50	2.00
12/1/2001	12/31/2001	31	7,300,000	22		235,484	0.36	0.55	0.82	1.09	0.82	1.23	1.64
1/1/2002	1/31/2002	31	8,320,000	26		268,387	0.42	0.62	0.93	1.25	0.93	1.40	1.87
2/1/2002	2/28/2002	28	10,010,000	31		357,500	0.55	0.83	1.24	1.66	1.24	1.87	2.49
3/1/2002	3/31/2002	31	11,140,000	34		359,355	0.56	0.83	1.25	1.67	1.25	1.88	2.50
4/1/2002	4/30/2002	30	10,600,000	33		353,333	0.55	0.82	1.23	1.64	1.23	1.85	2.46
5/1/2002	5/31/2002	31	9,360,000	29		301,935	0.47	0.70	1.05	1.40	1.05	1.58	2.10
6/1/2002	6/30/2002	30	9,550,000	29		318,333	0.49	0.74	1.11	1.48	1.11	1.66	2.22
7/1/2002	7/31/2002	31	9,690,000	30		312,581	0.48	0.73	1.09	1.45	1.09	1.63	2.18
8/1/2002	8/31/2002	31	9,390,000	29		302,903	0.47	0.70	1.05	1.41	1.05	1.58	2.11
9/1/2002	9/30/2002	30	6,930,000	21		231,000	0.36	0.54	0.80	1.07	0.80	1.21	1.61
10/1/2002	10/31/2002	31	15,640,000	48		504,516	0.78	1.17	1.76	2.34	1.76	2.63	3.51
11/1/2002	11/30/2002	30	11,530,000	35		384,333	0.59	0.89	1.34	1.78	1.34	2.01	2.68
12/1/2002	12/31/2002	31	10,680,000	33		344,516	0.53	0.80	1.20	1.60	1.20	1.80	2.40
1/1/2003	1/31/2003	31	8,630,000	26		278,387	0.43	0.65	0.97	1.29	0.97	1.45	1.94
2/1/2003	2/28/2003	28	9,010,000	28		321,786	0.50	0.75	1.12	1.49	1.12	1.68	2.24
3/1/2003	3/31/2003	31	9,510,000	29		306,774	0.47	0.71	1.07	1.42	1.07	1.60	2.14
4/1/2003	4/30/2003	30	8,480,000	26		282,667	0.44	0.66	0.98	1.31	0.98	1.48	1.97
5/1/2003	5/31/2003	31	8,690,000	27		280,323	0.43	0.65	0.98	1.30	0.98	1.46	1.95
6/1/2003	6/30/2003	30	9,590,000	29		319,667	0.49	0.74	1.11	1.48	1.11	1.67	2.23
7/1/2003	7/31/2003	31	9,940,000	31		320,645	0.50	0.74	1.12	1.49	1.12	1.67	2.23
8/1/2003	8/31/2003	31	8,950,000	27		288,710	0.45	0.67	1.01	1.34	1.01	1.51	2.01
9/1/2003	9/30/2003	30	7,030,000	22		234,333	0.36	0.54	0.82	1.09	0.82	1.22	1.63
10/1/2003	10/31/2003	31	9,500,000	29		306,452	0.47	0.71	1.07	1.42	1.07	1.60	2.13
11/1/2003	11/30/2003	30	9,320,000	29		310,667	0.48	0.72	1.08	1.44	1.08	1.62	2.16
12/1/2003	12/31/2003	31	6,970,000	21		224,839	0.35	0.52	0.78	1.04	0.78	1.17	1.57
1/1/2004	1/31/2004	31	5,920,000	18		190,968	0.30	0.44	0.66	0.89	0.66	1.00	1.33
2/1/2004	2/29/2004	29	-	-		-	-	-	-	-	-	-	-

usage data 63-12448

3/1/2004	3/31/2004	31	8,190,000	25	264,194	0.41	0.61	0.92	1.23	0.92	1.38	1.84
4/1/2004	4/30/2004	30	11,027,000	34	367,567	0.57	0.85	1.28	1.71	1.28	1.92	2.56
5/1/2004	5/31/2004	31	9,041,000	28	291,645	0.45	0.68	1.02	1.35	1.02	1.52	2.03
6/1/2004	6/30/2004	30	9,960,000	31	332,000	0.51	0.77	1.16	1.54	1.16	1.73	2.31
7/1/2004	7/31/2004	31	11,410,000	35	368,065	0.57	0.85	1.28	1.71	1.28	1.92	2.56
8/1/2004	8/31/2004	31	9,860,000	30	318,065	0.49	0.74	1.11	1.48	1.11	1.66	2.21
9/1/2004	9/30/2004	30	8,370,000	26	279,000	0.43	0.65	0.97	1.30	0.97	1.46	1.94
10/1/2004	10/31/2004	31	7,410,000	23	239,032	0.37	0.55	0.83	1.11	0.83	1.25	1.66
11/1/2004	11/30/2004	30	8,380,000	26	279,333	0.43	0.65	0.97	1.30	0.97	1.46	1.95
12/1/2004	12/31/2004	31	8,870,000	27	286,129	0.44	0.66	1.00	1.33	1.00	1.49	1.99
1/1/2005	1/31/2005	31	10,780,000	33	347,742	0.54	0.81	1.21	1.61	1.21	1.82	2.42
2/1/2005	2/28/2005	28	9,980,000	31	356,429	0.55	0.83	1.24	1.65	1.24	1.86	2.48
3/1/2005	3/31/2005	31	12,040,000	37	388,387	0.60	0.90	1.35	1.80	1.35	2.03	2.70
4/1/2005	4/30/2005	30	11,920,000	37	397,333	0.61	0.92	1.38	1.84	1.38	2.07	2.77
5/1/2005	5/31/2005	31	10,570,000	32	340,968	0.53	0.79	1.19	1.58	1.19	1.78	2.37
6/1/2005	6/30/2005	30	11,210,000	34	373,667	0.58	0.87	1.30	1.73	1.30	1.95	2.60
7/1/2005	7/31/2005	31	15,140,000	46	488,387	0.76	1.13	1.70	2.27	1.70	2.55	3.40
8/1/2005	8/31/2005	31	14,650,000	45	472,581	0.73	1.10	1.65	2.19	1.65	2.47	3.29
9/1/2005	9/30/2005	30	11,320,000	35	377,333	0.58	0.88	1.31	1.75	1.31	1.97	2.63
10/1/2005	10/31/2005	31	14,330,000	44	462,258	0.72	1.07	1.61	2.15	1.61	2.41	3.22
11/1/2005	11/30/2005	30	10,720,000	33	357,333	0.55	0.83	1.24	1.66	1.24	1.87	2.49
12/1/2005	12/31/2005	31	9,850,000	30	317,742	0.49	0.74	1.11	1.47	1.11	1.66	2.21

\*The theoretical MDD and PHD values from 2005 demonstrate that permit 63-12448 can be licensed for 3.25 cfs, the maximum value of the permit.

1/1/2006	1/31/2006	31	10,960,000	34	353,548	0.55	0.82	1.23	1.64	1.23	1.85	2.46
2/1/2006	2/28/2006	28	10,880,000	33	388,571	0.60	0.90	1.35	1.80	1.35	2.03	2.71
3/1/2006	3/31/2006	31	10,240,000	31	330,323	0.51	0.77	1.15	1.53	1.15	1.73	2.30
4/1/2006	4/30/2006	30	11,370,000	35	379,000	0.59	0.88	1.32	1.76	1.32	1.98	2.64
5/1/2006	5/31/2006	31	10,920,000	34	352,258	0.55	0.82	1.23	1.64	1.23	1.84	2.45
6/1/2006	6/30/2006	30	11,320,000	35	377,333	0.58	0.88	1.31	1.75	1.31	1.97	2.63
7/1/2006	7/31/2006	31	16,390,000	50	528,710	0.82	1.23	1.84	2.45	1.84	2.76	3.68
8/1/2006	8/31/2006	31	13,530,000	42	436,452	0.68	1.01	1.52	2.03	1.52	2.28	3.04
9/1/2006	9/30/2006	30	10,980,000	34	366,000	0.57	0.85	1.27	1.70	1.27	1.91	2.55
10/1/2006	10/31/2006	31	11,850,000	36	382,258	0.59	0.89	1.33	1.77	1.33	2.00	2.66
11/1/2006	11/30/2006	30	10,190,000	31	339,667	0.53	0.79	1.18	1.58	1.18	1.77	2.37
12/1/2006	12/31/2006	31	10,080,000	31	325,161	0.50	0.75	1.13	1.51	1.13	1.70	2.26
1/1/2007	1/31/2007	31	11,450,000	35	369,355	0.57	0.86	1.29	1.71	1.29	1.93	2.57
2/1/2007	2/28/2007	28	11,130,000	34	397,500	0.62	0.92	1.38	1.85	1.38	2.08	2.77
3/1/2007	3/31/2007	31	13,980,000	43	450,968	0.70	1.05	1.57	2.09	1.57	2.36	3.14
4/1/2007	4/30/2007	30	12,510,000	38	417,000	0.65	0.97	1.45	1.94	1.45	2.18	2.90
5/1/2007	5/31/2007	31	13,330,000	41	430,000	0.67	1.00	1.50	2.00	1.50	2.25	2.99
6/1/2007	6/30/2007	30	10,080,000	31	336,000	0.52	0.78	1.17	1.56	1.17	1.75	2.34
7/1/2007	7/31/2007	31	15,950,000	49	514,516	0.80	1.19	1.79	2.39	1.79	2.69	3.58
8/1/2007	8/31/2007	31	11,900,000	37	383,871	0.59	0.89	1.34	1.78	1.34	2.00	2.67
9/1/2007	9/30/2007	30	8,480,000	26	282,667	0.44	0.66	0.98	1.31	0.98	1.48	1.97
10/1/2007	10/31/2007	31	11,850,000	36	382,258	0.59	0.89	1.33	1.77	1.33	2.00	2.66
11/1/2007	11/30/2007	30	10,710,000	33	357,000	0.55	0.83	1.24	1.66	1.24	1.86	2.49
12/1/2007	12/31/2007	31	11,180,000	34	360,645	0.56	0.84	1.26	1.67	1.26	1.88	2.51

\*The theoretical MDD and PHD values from 2007 demonstrate that permit 63-12448 can be licensed for 3.25 cfs, the maximum value of the permit. The greatest diversion volume from this system also occurred in 2007, 437.5 AF.

1/1/2008	1/31/2008	31	11,020,000	34	355,484	0.55	0.83	1.24	1.65	1.24	1.86	2.48
2/1/2008	2/29/2008	29	10,590,000	32	365,172	0.57	0.85	1.27	1.70	1.27	1.91	2.54
3/1/2008	3/31/2008	31	10,400,000	32	335,484	0.52	0.78	1.17	1.56	1.17	1.75	2.34
4/1/2008	4/30/2008	30	10,060,000	31	335,333	0.52	0.78	1.17	1.56	1.17	1.75	2.33
5/1/2008	5/31/2008	31	12,460,000	38	401,935	0.62	0.93	1.40	1.87	1.40	2.10	2.80
6/1/2008	6/30/2008	30	12,040,000	37	401,333	0.62	0.93	1.40	1.86	1.40	2.10	2.79
7/1/2008	7/31/2008	31	14,460,000	44	466,452	0.72	1.08	1.62	2.17	1.62	2.44	3.25
8/1/2008	8/31/2008	31	14,410,000	44	464,839	0.72	1.08	1.62	2.16	1.62	2.43	3.24
9/1/2008	9/30/2008	30	11,340,000	35	378,000	0.58	0.88	1.32	1.75	1.32	1.97	2.63

City Records

1/1/1999	3/31/1999	90	13,460,000	41.3	578	149,556	0.23	0.35	0.52	0.69	0.52	0.78	1.04
4/1/1999	6/30/1999	91	14,570,000	44.7	607	160,110	0.25	0.37	0.56	0.74	0.56	0.84	1.11
7/1/1999	9/30/1999	91	45,060,000	138.3	645	495,165	0.77	1.15	1.72	2.30	1.72	2.59	3.45
10/1/1999	12/31/1999	91	68,280,000	209.5	696	750,330	1.16	1.74	2.61	3.48	2.61	3.92	5.22
1/1/2000	3/31/2000	90	18,350,000	56.3	748	203,889	0.32	0.47	0.71	0.95	0.71	1.06	1.42
4/1/2000	6/30/2000	90	24,209,000	74.3	800	268,989	0.42	0.62	0.94	1.25	0.94	1.40	1.87
7/1/2000	9/30/2000	91	21,490,000	66.0		236,154	0.37	0.55	0.82	1.10	0.82	1.23	1.64
10/1/2000	12/31/2000	91	25,070,000	76.9		275,495	0.43	0.64	0.96	1.28	0.96	1.44	1.92
1/1/2001	3/31/2001	89	29,570,000	90.7		332,247	0.51	0.77	1.16	1.54	1.16	1.74	2.31
4/1/2001	6/30/2001	90	25,208,000	77.4		280,089	0.43	0.65	0.98	1.30	0.98	1.46	1.95
7/1/2001	9/30/2001	91	24,550,000	75.3		269,780	0.42	0.63	0.94	1.25	0.94	1.41	1.88
10/1/2001	12/31/2001	91											
1/1/2002	1/31/2002	31	7,600,000	23.3	958	245,161	0.38	0.57	0.85	1.14	0.85	1.28	1.71
2/1/2002	2/28/2002	28	5,703,000	17.5	977	203,679	0.32	0.47	0.71	0.95	0.71	1.06	1.42

usage data 63-12448

3/1/2002	3/31/2002	31	5,933,000	18.2	989	191,387	0.30	0.44	0.67	0.89	0.67	1.00	1.33
4/1/2002	4/30/2002	30	7,124,000	21.9	1004	237,467	0.37	0.55	0.83	1.10	0.83	1.24	1.65
5/1/2002	5/31/2002	31	8,929,000	27.4	1008	288,032	0.45	0.67	1.00	1.34	1.00	1.50	2.01
6/1/2002	6/30/2002	30	9,102,000	27.9	1026	303,400	0.47	0.70	1.06	1.41	1.06	1.58	2.11
7/1/2002	7/31/2002	31	11,189,000	34.3	1040	360,935	0.56	0.84	1.26	1.68	1.26	1.88	2.51
8/1/2002	8/31/2002	31	10,229,000	31.4	1040	329,968	0.51	0.77	1.15	1.53	1.15	1.72	2.30
9/1/2002	9/30/2002	30	9,527,000	29.2	1040	317,567	0.49	0.74	1.11	1.47	1.11	1.66	2.21
10/1/2002	10/31/2002	31	8,806,000	27.0	1042	284,065	0.44	0.66	0.99	1.32	0.99	1.48	1.98
11/1/2002	11/30/2002	30	10,697,000	32.8	1070	356,567	0.55	0.83	1.24	1.66	1.24	1.86	2.48
12/1/2002	12/31/2002	31	6,729,000	20.7	1078	217,065	0.34	0.50	0.76	1.01	0.76	1.13	1.51
1/1/2003	1/31/2003	31	7,508,000	23.0	1083	242,194	0.37	0.56	0.84	1.12	0.84	1.26	1.69
2/1/2003	2/28/2003	28	5,818,000	17.9	1087	207,786	0.32	0.48	0.72	0.96	0.72	1.09	1.45
3/1/2003	3/31/2003	31	6,073,000	18.6	1097	195,903	0.30	0.45	0.68	0.91	0.68	1.02	1.36
4/1/2003	4/30/2003	30	7,325,000	22.5	1100	244,167	0.38	0.57	0.85	1.13	0.85	1.28	1.70
5/1/2003	5/31/2003	31	8,975,000	27.5	1127	289,516	0.45	0.67	1.01	1.34	1.01	1.51	2.02
6/1/2003	6/30/2003	30	10,595,000	32.5	1132	353,167	0.55	0.82	1.23	1.64	1.23	1.84	2.46
7/1/2003	7/31/2003	31	10,849,000	33.3	1139	349,968	0.54	0.81	1.22	1.62	1.22	1.83	2.44
8/1/2003	8/31/2003	31	11,617,000	35.7	1144	374,742	0.58	0.87	1.30	1.74	1.30	1.96	2.61
9/1/2003	9/30/2003	30	9,414,000	28.9	1152	313,800	0.49	0.73	1.09	1.46	1.09	1.64	2.18
10/1/2003	10/31/2003	31	8,501,000	26.1	1160	274,226	0.42	0.64	0.95	1.27	0.95	1.43	1.91
11/1/2003	11/30/2003	30	11,575,000	35.5	1166	385,833	0.60	0.90	1.34	1.79	1.34	2.01	2.69
12/1/2003	12/31/2003	31	8,110,000	24.9	1177	261,613	0.40	0.61	0.91	1.21	0.91	1.37	1.82
1/1/2004	1/31/2004	31	8,890,000	27.3	1182	286,774	0.44	0.67	1.00	1.33	1.00	1.50	2.00
2/1/2004	2/29/2004	29	8,330,000	25.6	1196	287,241	0.44	0.67	1.00	1.33	1.00	1.50	2.00
3/1/2004	3/31/2004	31	8,958,000	27.5	1197	288,968	0.45	0.67	1.01	1.34	1.01	1.51	2.01
4/1/2004	4/30/2004	30	15,883,000	48.7	1219	529,433	0.82	1.23	1.84	2.46	1.84	2.76	3.69
5/1/2004	5/31/2004	31	9,643,000	29.6	1222	311,065	0.48	0.72	1.08	1.44	1.08	1.62	2.17
6/1/2004	6/30/2004	30	10,025,000	30.8	1230	334,167	0.52	0.78	1.16	1.55	1.16	1.75	2.33
7/1/2004	7/31/2004	31	12,739,000	39.1	1238	410,935	0.64	0.95	1.43	1.91	1.43	2.15	2.86
8/1/2004	8/31/2004	31	12,029,000	36.9	1241	388,032	0.60	0.90	1.35	1.80	1.35	2.03	2.70
9/1/2004	9/30/2004	30	12,272,000	37.7	1248	409,067	0.63	0.95	1.42	1.90	1.42	2.14	2.85
10/1/2004	10/31/2004	31	8,353,000	25.6	1250	269,452	0.42	0.63	0.94	1.25	0.94	1.41	1.88
11/1/2004	11/30/2004	30	8,603,000	26.4	1255	286,767	0.44	0.67	1.00	1.33	1.00	1.50	2.00
12/1/2004	12/31/2004	31											
1/1/2009	1/31/2009	31	8,472,000	26.0		273,290	0.42	0.63	0.95	1.27	0.95	1.43	1.90
2/1/2009	2/28/2009	28	9,998,000	30.7		357,071	0.55	0.83	1.24	1.66	1.24	1.86	2.49
3/1/2009	3/31/2009	31	10,187,000	31.3		328,613	0.51	0.76	1.14	1.53	1.14	1.72	2.29
4/1/2009	4/30/2009	30	9,904,000	30.4		330,133	0.51	0.77	1.15	1.53	1.15	1.72	2.30
5/1/2009	5/31/2009	31	11,547,000	35.4		372,484	0.58	0.86	1.30	1.73	1.30	1.95	2.59
6/1/2009	6/30/2009	30	11,609,000	35.6		386,967	0.60	0.90	1.35	1.80	1.35	2.02	2.69
7/1/2009	7/31/2009	31	14,609,000	44.8		471,258	0.73	1.09	1.64	2.19	1.64	2.46	3.28
8/1/2009	8/31/2009	31	11,808,000	36.2		380,903	0.59	0.88	1.33	1.77	1.33	1.99	2.65
9/1/2009	9/30/2009	30	11,083,000	34.0		369,433	0.57	0.86	1.29	1.71	1.29	1.93	2.57
10/1/2009	10/31/2009	31	11,487,000	35.3		370,548	0.57	0.86	1.29	1.72	1.29	1.94	2.58
11/1/2009	11/30/2009	30	10,387,000	31.9		346,233	0.54	0.80	1.21	1.61	1.21	1.81	2.41
12/1/2009	12/31/2009	31	8,050,000	24.7		259,677	0.40	0.60	0.90	1.21	0.90	1.36	1.81

\* The 1 MG reservoir which serves this system was constructed in 2008, during the development period of 63-12448. Brookwood Well was constructed in 2007, during this development period.

usage data 63-12448

## MEMORANDUM

**TO:** File 63-12448

**FROM:** Ashley Newbry

**DATE:** November 19, 2015

**RE:** Chase Property

I received this utility billing report from Ken Acuff, City of Eagle Water Superintendent, at my meeting with him on October 28, 2015 at the IDWR State Office. The report shows that the city has been providing free potable water to the Chase property for some time.

Report Criteria:

Customer.Customer number = 111601

*Chase property - free city water*

1116.01 City of Eagle Water, Chase Property 70 W Floating Feather

Metered Services:

WCon Current Rate: 199 Water Consumption - No Chg

Period Date	Read Date	Meter ID	Begin Read	End Read	Usage	Multiplier	Amount	Status
01/31/2014	01/01/2014	60497411	810	810	0	1.0000		
01/31/2014	01/17/2014	60497411	810	873	63	1.0000		
02/28/2014	02/25/2014	60497411	873	975	102	1.0000		
03/31/2014	03/19/2014	60497411	975	988	13	1.0000		
04/30/2014	04/21/2014	60497411	988	1,006	18	1.0000		
05/31/2014	05/21/2014	60497411	1,006	1,031	25	1.0000		
06/30/2014	06/20/2014	60497411	1,031	1,098	67	1.0000		
07/31/2014	07/28/2014	60497411	1,098	1,201	103	1.0000		
08/31/2014	08/20/2014	60497411	1,201	1,244	43	1.0000		
09/30/2014	09/23/2014	60497411	1,244	1,450	206	1.0000		
10/31/2014	10/21/2014	60497411	1,450	1,502	52	1.0000		
11/30/2014	11/19/2014	60497411	1,502	1,502	0	1.0000		
12/31/2014	12/18/2014	60497411	1,502	1,529	27	1.0000		
01/31/2015	01/20/2015	60497411	1,529	1,690	161	1.0000		
02/28/2015	02/18/2015	60497411	1,690	1,742	52	1.0000		
03/31/2015	03/17/2015	60497411	1,742	1,782	40	1.0000		
04/30/2015	04/20/2015	60497411	1,782	1,812	30	1.0000		
05/31/2015	05/19/2015	60497411	1,812	1,819	7	1.0000		
06/30/2015	06/22/2015	60497411	1,819	1,819	0	1.0000		
07/31/2015	07/20/2015	60497411	1,819	2,102	283	1.0000		
08/31/2015	08/25/2015	60497411	2,102	2,320	218	1.0000		
09/30/2015	09/22/2015	60497411	2,320	2,333	13	1.0000		
10/31/2015	10/23/2015	60497411	2,333	2,354	21	1.0000		
Totals:					1,544		-	

Transaction Detail:

Date	Type	Reference Number	Service	Description	Check Number	Source ID	Quantity Billed	Amount	Status
01/31/2014	Bill	550	Water Consu	Metered Entry			63	-	
02/28/2014	Bill	1558	Water Consu	Metered Entry			102	-	
03/31/2014	Bill	280	Water Consu	Metered Entry			13	-	
04/30/2014	Bill	1	Water Consu	Metered Entry			18	-	
05/31/2014	Bill	1227	Water Consu	Metered Entry			25	-	
06/30/2014	Bill	1613	Water Consu	Metered Entry			67	-	
07/31/2014	Bill	1923	Water Consu	Metered Entry			103	-	
08/31/2014	Bill	1	Water Consu	Metered Entry			43	-	
09/30/2014	Bill	359	Water Consu	Metered Entry			206	-	
10/31/2014	Bill	1	Water Consu	Metered Entry			52	-	
11/30/2014	Bill	308	Water Consu	Import Readings			0	-	
12/31/2014	Bill	1290	Water Consu	Import Readings			27	-	
01/31/2015	Bill	1049	Water Consu	Metered Entry			161	-	
02/28/2015	Bill	809	Water Consu	Metered Entry			52	-	
03/31/2015	Bill	1	Water Consu	Metered Entry			40	-	

*03-12448*

1116.01      City of Eagle Water, Chase Property      70 W Floating Feather      (Continued)

Date	Type	Reference Number	Service	Description	Check Number	Source ID	Quantity Billed	Amount	Status
04/30/2015	Bill	453	Water Consu	Metered Entry			30	-	
05/31/2015	Bill	957	Water Consu	Metered Entry			7	-	
06/30/2015	Bill	1	Water Consu	Metered Entry			0	-	
07/31/2015	Bill	391	Water Consu	Metered Entry			283	-	
08/31/2015	Bill	1874	Water Consu	Metered Entry			218	-	
09/30/2015	Bill	1087	Water Consu	Metered Entry			13	-	
10/31/2015	Bill	1330	Water Consu	Import Readings			21	-	
Totals:								-	

Report Criteria:  
 Customer.Customer number = 111601

## Lexington Pond History

### Readings in gallons

Added Analysis:

Date	From	To	Consumption	Avg Cons/Day	Usage in Gallons	Usage in AF										Annual Usage
2009																<b>2009</b>
3-24 / 4-17	69761600	71028100	1,266,500	52,770.83	1266500	3.89	1/12/2006		2/13/2007		1/11/2008		1/29/2009			18.8
2-20 / 3-24	67426800	69761600	2,334,800	72,962.50	2334800	7.17	1/11/2006	0.19	2/12/2007	0.20	1/10/2008	0.14	1/28/2009	0.04		
1-29 / 2-20	65263300	67426800	2,163,500	94,065.22	2163500	6.64	1/10/2006	0.19	2/11/2007	0.20	1/9/2008	0.14	1/27/2009	0.04		
1-23 / 1-29	64775700	65263300	487,600	81,266.67	487600	1.50	1/9/2006	0.19	2/10/2007	0.20	1/8/2008	0.14	1/26/2009	0.04		
12-23 / 1-23	No billing - repairs															
2008																<b>2008</b>
12-19 / 12-23	62281200	64775700	2,494,500	623,625.00	2494500	7.66	1/7/2006	0.19	2/8/2007	0.20	1/6/2008	0.14	1/24/2009	0.04		55.9
11-24 / 12-19	57931100	62281200	4,350,100	174,004.00	4350100	13.35	1/6/2006	0.19	2/7/2007	0.20	1/5/2008	0.14	1/23/2009	0.04		
11-7 / 11-24	57021300	57931100	909,800	53,517.65	909800	2.79	1/5/2006	0.19	2/6/2007	0.20	1/4/2008	0.14	1/22/2009	0.04		
9-17 / 11-7	55199900	57021300	1,821,400	35,713.73	1821400	5.59	1/4/2006	0.19	2/5/2007	0.20	1/3/2008	0.14	1/21/2009	0.04		
4-17 / 9-17	No billing															
3-11 / 4-11	53323500	55199900	1,876,400	60,529.03	1876400	5.76	1/3/2006	0.19	2/4/2007	0.20	1/2/2008	0.14	1/20/2009	0.04		
2-13 / 3-11	49643700	53323500	3,679,800	141,530.77	3679800	11.29	1/2/2006	0.19	2/3/2007	0.20	1/1/2008	0.14	1/19/2009	0.04		
1-11 / 2-13	47130400	49643700	2,513,300	76,160.61	2513300	7.71	1/1/2006	0.19	2/2/2007	0.20	12/31/2007	0.14	1/18/2009	0.04		
12-13 / 1-11	45815600	47130400	1,314,800	45,337.93	1314800	4.03	12/31/2005	0.19	2/1/2007	0.20	12/30/2007	0.14	1/17/2009	0.04		
2007																<b>2007</b>
11-8 / 12-13	43840100	45815600	1,975,500	56,442.86	1975500	6.06	12/29/2005	0.19	1/30/2007	0.20	12/28/2007	0.14	1/15/2009	0.04		46.6
10-10 / 11-8	41949500	43840100	1,890,600	65,193.10	1890600	5.80	12/27/2005	0.19	1/29/2007	0.20	12/27/2007	0.14	1/14/2009	0.04		
9-11 / 10-10	41429900	41949500	519,600	17,917.24	519600	1.59	12/27/2005	0.19	1/28/2007	0.20	12/26/2007	0.14	1/13/2009	0.04		
4-17 / 9-11	No billing															
3-14 / 4-17	37981500	41429900	3,448,400	101,423.53	3448400	10.58	12/26/2005	0.19	1/27/2007	0.20	12/25/2007	0.14	1/12/2009	0.04		
2-13 / 3-14	34329900	37981500	3,651,600	125,917.24	3651600	11.21	12/25/2005	0.19	1/26/2007	0.20	12/24/2007	0.14	1/11/2009	0.04		
12-12 / 2-13	30188100	34329900	4,141,800	65,742.86	4141800	12.71	12/24/2005	0.19	1/25/2007	0.20	12/23/2007	0.14	1/10/2009	0.04		
2006																<b>2006</b>
11-9 / 12-12	28022100	30188100	2,166,000	65,636.36	2166000	6.65	12/23/2005	0.19	1/24/2007	0.20	12/22/2007	0.14	1/9/2009	0.04		41.1
?? / 11-9	26553400	28022100	1,468,700		1468700	4.51	12/22/2005	0.19	1/23/2007	0.20	12/21/2007	0.14	1/8/2009	0.04		
5-18 / ??	No billing															
4-12 / 5-18	25505500	26553400	1,047,900	29,108.33	1047900	3.22	12/21/2005	0.19	1/22/2007	0.20	12/20/2007	0.14	1/7/2009	0.04		
3-10 / 4-12	23872000	25505500	1,633,500	49,500.00	1633500	5.01	12/20/2005	0.19	1/21/2007	0.20	12/19/2007	0.14	1/6/2009	0.04		
2-10 / 3-10	21262000	23872000	2,610,000	93,214.29	2610000	8.01	12/19/2005	0.19	1/20/2007	0.20	12/18/2007	0.14	1/5/2009	0.04		
1-12 / 2-10	18777100	21262000	2,484,900	85,686.21	2484900	7.63	12/18/2005	0.19	1/19/2007	0.20	12/17/2007	0.14	1/4/2009	0.04		
12-12 / 1-12	16866900	18777100	1,910,200	61,619.35	1910200	5.86	12/17/2005	0.19	1/18/2007	0.20	12/16/2007	0.14	1/3/2009	0.04		
2005																<b>2005</b>
11-15 / 12-12	15609300	16866900	1,257,600	46,577.78	1257600	3.86	12/16/2005	0.19	1/17/2007	0.20	12/15/2007	0.14	1/2/2009	0.04		47.2
10-12 / 11-15	12486300	15609300	3,123,000	91,852.94	3123000	9.58	12/15/2005	0.19	1/16/2007	0.20	12/14/2007	0.14	1/1/2009	0.04		
4-14 / 10-12	No billing															
3-10 / 4-14	9498600	12486300	2,987,700	85,362.86	2987700	9.17	12/10/2005	0.14	1/11/2007	0.20	12/9/2007	0.17	12/27/2008	0.04		
2-11 / 3-10	7321500	9498600	2,177,100	80,633.33	2177100	6.68	12/9/2005	0.14	1/10/2007	0.20	12/8/2007	0.17	12/26/2008	0.04		
1-12 / 2-11	4269700	7321500	3,051,800	101,726.67	3051800	9.37	12/8/2005	0.14	1/9/2007	0.20	12/7/2007	0.17	12/25/2008	0.04		
12-? / 1-12	2694200	4269700	1,575,500		1575500	4.84	12/7/2005	0.14	1/8/2007	0.20	12/6/2007	0.17	12/24/2008	0.04		
							12/6/2005	0.14	1/7/2007	0.20	12/5/2007	0.17	12/23/2008	0.04		
							12/5/2005	0.14	1/6/2007	0.20	12/4/2007	0.17	12/22/2008	1.91		
							12/4/2005	0.14	1/5/2007	0.20	12/3/2007	0.17	12/21/2008	1.91		
							12/3/2005	0.14	1/4/2007	0.20	12/2/2007	0.17	12/20/2008	1.91		
							12/2/2005	0.14	1/3/2007	0.20	12/1/2007	0.17	12/19/2008	1.91		

12/1/2005	0.14	1/2/2007	0.20	11/30/2007	0.17
11/30/2005	0.14	1/1/2007	0.20	11/29/2007	0.17
11/29/2005	0.14	12/31/2006	0.20	11/28/2007	0.17
11/28/2005	0.14	12/30/2006	0.20	11/27/2007	0.17
11/27/2005	0.14	12/29/2006	0.20	11/26/2007	0.17
11/26/2005	0.14	12/28/2006	0.20	11/25/2007	0.17
11/25/2005	0.14	12/27/2006	0.20	11/24/2007	0.17
11/24/2005	0.14	12/26/2006	0.20	11/23/2007	0.17
11/23/2005	0.14	12/25/2006	0.20	11/22/2007	0.17
11/22/2005	0.14	12/24/2006	0.20	11/21/2007	0.17
11/21/2005	0.14	12/23/2006	0.20	11/20/2007	0.17
11/20/2005	0.14	12/22/2006	0.20	11/19/2007	0.17
11/19/2005	0.14	12/21/2006	0.20	11/18/2007	0.17
11/18/2005	0.14	12/20/2006	0.20	11/17/2007	0.17
11/17/2005	0.14	12/19/2006	0.20	11/16/2007	0.17
11/16/2005	0.14	12/18/2006	0.20	11/15/2007	0.17
11/15/2005	0.14	12/17/2006	0.20	11/14/2007	0.17
		12/16/2006	0.20	11/13/2007	0.17
		12/15/2006	0.20	11/12/2007	0.17
		12/14/2006	0.20	11/11/2007	0.17
		12/13/2006	0.20	11/10/2007	0.17
		12/12/2006	0.20	11/9/2007	0.17
		12/11/2006	0.20	11/8/2007	0.17
		12/10/2006	0.20		
		12/9/2006	0.20		
		12/8/2006	0.20		
		12/7/2006	0.20		
		12/6/2006	0.20		
		12/5/2006	0.20		
		12/4/2006	0.20		
		12/3/2006	0.20		
		12/2/2006	0.20		
		12/1/2006	0.20		
		11/30/2006	0.20		
		11/29/2006	0.20		
		11/28/2006	0.20		
		11/27/2006	0.20		
		11/26/2006	0.20		
		11/25/2006	0.20		
		11/24/2006	0.20		
		11/23/2006	0.20		
		11/22/2006	0.20		
		11/21/2006	0.20		
		11/20/2006	0.20		
		11/19/2006	0.20		
		11/18/2006	0.20		
		11/17/2006	0.20		
		11/16/2006	0.20		
		11/15/2006	0.20		
		11/14/2006	0.20		
		11/13/2006	0.20		
		11/12/2006	0.20		
		11/11/2006	0.20		
		11/10/2006	0.20		
		11/9/2006	0.20		