

MEMO

TO: File 63-31138

FROM: CPadilla

DATE: June 29, 2011

RE: Licensing Review Memo + City of Meridian Well Summary

Timeline:

Application Received: January 29, 2001

Permit Issued: April 9, 2001

Request for Extension: May 18, 2006

Proof of Beneficial Use: April 4, 2011(late by 3 days)

Field Examination: November 5, 2005

Point of Diversion: Well #22 is associated with this right for the city of Meridian. I have attached a spreadsheet of the wells for the city and their associated water right #s and diversion rates as developed (note that some of the city's rights have been decreed with additional wells). Well #22 is within Bear Creek Subdivision No. 1. Three wells were authorized under the permit but only one was developed and appears that it can sustain the permitted rate of 5 cfs on its own.

Overlap Analysis of PD: No other rights are diverted from Well #22; although, this PD connects into the city's 12-inch mainline that runs down Stoddard Rd.

POU: The place of use for this right will coordinate with the city's service boundary which can be found in overlapping city rights.

Overlap Analysis of POU: Since this right encompasses the city of Meridian, there are many overlapping rights. The only rights that matter are the ones that belong to the city of Meridian and rights from irrigation districts since this right is limited in using surface water before groundwater for irrigation. The irrigation districts within the city of Meridian include Nampa & Meridian Irrigation, Settlers Irrigation, Boise-Kuna Irrigation, and New York Irrigation. Currently, there are city water rights that total 64.86 cfs (including this licensed rate of 5 cfs) and there is ~25 cfs in permits.

Volume and Diversion Rate: Note that in 2009 the department had a shift in licensure practices that pertain to municipal rights; the analysis of beneficial use is to be evaluated to ensure that the newly licensed right is actually adding an increment of beneficial use, not just adding a point of diversion. However, in this case, this right was permitted prior to the new way of evaluating municipal licensure so this right will be licensed with the capacity of the system of the new well or 5 cfs.

WBZ: A condition of the permit set the water bearing zone between 500-700'. Based on the field examiners As-Built Well Construction diagram, the water bearing zone was developed from 512-667'.

Amendment?: No. The well that had been developed is within the described legal description. The other two PDs will be eliminated from the license.

Wells and water rights for city of Meridian

Basin Sequence Process	Basis	Status	Priority Date	Rate	Source List	Water Use List	Current Owner	Volume	Well #
63 2893 Water Right	Decreed	Active	2/11/1952	0.78	GROUND WATER	MUNICIPAL	CITY OF MERIDIAN		3
63 3252 Water Right	Decreed	Active	8/3/1961	1.66	GROUND WATER	MUNICIPAL	CITY OF MERIDIAN		5
63 7105 Water Right	Decreed	Active	5/13/1968	0.70	GROUND WATER	MUNICIPAL	CITY OF MERIDIAN		6
63 7978 Water Right	Decreed	Active	5/10/1974	1.91	GROUND WATER	MUNICIPAL	CITY OF MERIDIAN		7
63 8331 Water Right	Decreed	Active	6/28/1976	1.89	GROUND WATER	MUNICIPAL	CITY OF MERIDIAN		9
63 8332 Water Right	Decreed	Active	6/28/1976	2.00	GROUND WATER	MUNICIPAL	CITY OF MERIDIAN		10
63 9849 Water Right	Decreed	Active	12/22/1981	1.67	GROUND WATER	MUNICIPAL	CITY OF MERIDIAN		8
63 10105 Water Right	Decreed	Active	6/29/1983	2.80	GROUND WATER	MUNICIPAL	CITY OF MERIDIAN		10
63 10840 Water Right	License	Active	7/6/1989	1.34	GROUND WATER	MUNICIPAL	CITY OF MERIDIAN		12
63 11737 Water Right	License	Active	3/20/1992	3.00	GROUND WATER	MUNICIPAL	CITY OF MERIDIAN		14
63 11922 Water Right	License	Active	8/20/1992	3.00	GROUND WATER	MUNICIPAL	CITY OF MERIDIAN		15
63 12039 Water Right	License	Active	6/27/1993	3.00	GROUND WATER	MUNICIPAL	CITY OF MERIDIAN		16
63 12162 Water Right	License	Active	12/22/1994	2.00	GROUND WATER	MUNICIPAL	CITY OF MERIDIAN		12
63 12173 Water Right	License	Active	2/14/1995	1.46	GROUND WATER	MUNICIPAL	CITY OF MERIDIAN		15
63 12181 Water Right	License	Active	5/20/1995	4.50	GROUND WATER	MUNICIPAL	CITY OF MERIDIAN		18
63 12295 Water Right	License	Active	11/9/1995	4.50	GROUND WATER	MUNICIPAL	CITY OF MERIDIAN		17
63 12378 Water Right	License	Active	4/23/1997	4.50	GROUND WATER	MUNICIPAL	CITY OF MERIDIAN		19
63 12416 Water Right	License	Active	9/10/1997	4.50	GROUND WATER	MUNICIPAL	CITY OF MERIDIAN		20
63 12560 Water Right	License	Active	1/5/2000	4.50	GROUND WATER	MUNICIPAL	CITY OF MERIDIAN		21
63 31677 Water Right	License	Active	12/22/2009	5.00	GROUND WATER	MUNICIPAL	CITY OF MERIDIAN		20B
63 31957 Water Right	License	Active	6/1/2010	2.70	GROUND WATER	FIRE PROT., MUNICIPAL	CITY OF MERIDIAN		POU LIMITED TO SUB-NOT CONNECTED TO MUN. SYSTEM
63 32567 Water Right	Decreed	Active	8/5/1910	1.67	GROUND WATER	MUNICIPAL	CITY OF MERIDIAN		1
63 32568	Active	2/1/1928	0.78	GROUND WATER	MUNICIPAL	CITY OF MERIDIAN			2
Total				59.86					
63 31138 Water Permit	Active	3/17/2001	5.00	GROUND WATER	MUNICIPAL	CITY OF MERIDIAN			22
63 31281 Water Permit	Active	8/10/2001	5.00	GROUND WATER	MUNICIPAL	CITY OF MERIDIAN			23
63 31318 Water Permit	Active	8/29/2001	5.00	GROUND WATER	MUNICIPAL	CITY OF MERIDIAN			24
63 31630 Water Permit	Active	3/11/2003	5.00	GROUND WATER	MUNICIPAL	CITY OF MERIDIAN			25
63 31858 Water Permit	Active	2/23/2004	4.90	GROUND WATER	MUNICIPAL	CITY OF MERIDIAN			26
63 32083 Water Permit	Active	2/10/2005	4.90	GROUND WATER	MUNICIPAL	CITY OF MERIDIAN			27

WELL #4 HAS BEEN ABANDONED

POU LIMITED TO
SUB-NOT
CONNECTED TO
MUN. SYSTEM

The Meridian water system has 21 water supply wells that are currently online or under construction. Table 3-3 provides the basic descriptions and performance of each of the wells. Permanent standby power or generator tops for potable generator sets are provided at Wells 14, 15, 16, 20, 21, 22, 23, 24, and 25, allowing the City to pump up to 14,800 gpm (21.2 mgd) of groundwater in the event of a system-wide power outage.

Wells

The Meridian water system has 21 water supply wells that are currently online or under construction. Table 3-3 provides the basic descriptions and performance of each of the wells. Permanent standby power or generator tops for potable generator sets are provided at Wells 14, 15, 16, 20, 21, 22, 23, 24, and 25, allowing the City to pump up to 14,800 gpm (21.2 mgd) of groundwater in the event of a system-wide power outage.

TABLE 3-3
Meridian Well Data

Well No.	Location	Pressure Zone	Pump Type*	Nominal Well Capacity (gpm)	Well Status	Backup Power?
7	Crestmont Dr & NW 8th St	Zone 2	CS	950	Backup	No
8	Franklin Rd & 1st St	Zone 2	CS	500	Backup	No
9	Franklin Rd & SW 7th St	Zone 2	CS	900	Active	No
10	Jericho Rd & Willowbrook Dr	Zone 2	VS	1,100	Active	No
11	Lanark St & Locust Grove	Zone 3	VS	750	Active	No
12	Ten Mile Rd & Cherry Ln	Zone 2	CS	1,675	Backup	No
14	SE 5th St & Overland Rd	Zone 4	VS	1,000	Active	Yes
15	Sunnyslope Dr & Linder Rd	Zone 2	VS	1,550	Active	Yes
16	Eagle Rd & Rosario	Zone 3	VS	1,500	Active	Yes
17	Locust Grove & Time Zone	Zone 4	VS	1,500	Active	No
18	Summerfield & Summercove	Zone 3	VS	1,500	Active	No
19	Ten Mile Rd & Ustick	Zone 2	VS	1,700	Active	No
20	Ustick & Meridian Rd (w/ Booster)	Zone 2	VS	1,800	Active	Yes
20B	Ustick & Meridian Rd	Zone 3	VS	2,000	Under Constr.	No
21	Water Tower Lane & 1st St	Zone 2	VS	1,500	Active	Yes
22	Stoddard (Bear Creek Park)	Zone 4 (Zone 3)	VS	1,500	Active	Yes
23	Silverstone Way & Overland Rd	Zone 4	VS	2,000	Backup	Yes
24	Tumble Creek & Blue Springs	Zone 2	VS	1,800	Active	Yes
25	Victory Rd & Brandysjewel	Zone 4	VS	2,100	Active	Yes
26	Locust Grove & Dunwoody	Zone 3	VS	1,800	Under Constr.	No
27	Ten Mile Rd & Franklin Rd	Zone 2	VS	1,800	Under Constr.	No

*Pump Types: CS = Constant Speed; VS = Variable Speed

See Z:\Municipal-Master Water Plans\City of Meridian
for entire 2006 Water Master Plan Update

(COL) = City Owned Land

[illegible]

entire document found in file 63-2893 (A5 claim back file)