

MEMO

TO: File 61-7673

FROM: CPalmer

DATE: 8/16/2013

RE: Licensing Review Memo

Point of Diversion: The field examiner reported that the PD is located within the NESE of Sec 27. I studied the DRG and aerial imagery and concluded that the PD is actually located in the SESE of Sec 27.

Overlap Analysis of PD: There are no other water rights that divert from the PD for this right.

Overlap Analysis of POU: See attached spreadsheet.

Volume and Diversion Rate: The examiner found a capacity of 0.71 cfs. Because the city's main is interconnected with the Mellen Sub system, he included capacity from the city up to the maximum permitted rate of 1.0 cfs. Even though the city can provide additional capacity, it cannot be counted towards the licensed diversion rate since the additional .30 cfs capacity does not come from the permit holder's PD. The supplemental capacity is authorized under the city's water rights.

This right will be licensed as domestic and fire protection to be consistent with modern practices. Fire protection doesn't include a volume designation.

In order to quantify the irrigation rate and volumetric limit, I calculated the number of homes authorized under the permit times the standard volume for domestic:

110 homes x 1.2 afa = 132 af

The diversion rate will be limited to the maximum diversion rate of the system, 0.71 cfs since it is the limiting factor.

110 homes → 0.46 cfs

27 acres of irrigation → 0.54 cfs

0.46 cfs + 0.54 = 1.0 cfs....diversion rate is limited to 0.71 cfs total for all uses.

Amendment?: YES, the PD was developed in a different QQ than permitted.

Process	Basin Sequence	Draft	Owner	Source	NWSW
Water Right	61-10072	N	POWELL, RODGER S	GROUND WATER	X
Water Right	61-10078	N	WILDER, IDA M; WILDER, MARVIN L	GROUND WATER	X
Water Right	61-10081	N	SMITH, ANN A	GROUND WATER	X
Water Right	61-10100	N	MOORE, JOSEPHINE; MOORE, SIDNEY R L	GROUND WATER	X
Water Right	61-10122	N	DAVIDSON JR, JAMES L; DAVIDSON, SARAH K	GROUND WATER	X
Water Right	61-10139	N	LUND, DON	GROUND WATER	X
Water Right	61-10140	N	HUNT, PAUL	GROUND WATER	X
Water Right	61-10206	N	LANGUIRAND, PAUL R; LANGUIRAND, SHIRLEY A	GROUND WATER	X
Water Right	61-10224	N	CHRIST, DORIS CORRINE	GROUND WATER	X
Water Right	61-10227	N	CHRIST, DORIS CORRINE	GROUND WATER	X
Water Right	61-10257	N	BAUBLITZ, EUGENE K; BAUBLITZ, GAYNELL	GROUND WATER	X
Water Right	61-10399	N	HAWKINS, DOROTHY; HAWKINS, JACK D; HAWKINS, KIMBERLY D	GROUND WATER	X
Water Right	61-10532	N	BRATLIE, ELIZABETH	GROUND WATER	X
Water Right	61-10568	N	WHIPPLE, CHARLES F; WHIPPLE, PHYLLIS M	GROUND WATER	X
Water Right	61-10606	N	HAWKINS, JACK D; HAWKINS, KIMBERLY D	GROUND WATER	X
Water Right	61-10646	N	HORGAN, JANET; HORGAN, TOM	GROUND WATER	X
Water Right	61-10686	N	GRIMMETT, JAMES E; GRIMMETT, N JOANN	GROUND WATER	X
Water Right	61-10694	N	EFFENBECK, FERN M	GROUND WATER	X
Water Right	61-10755	N	QUEEN, MARIA E; QUEEN, VIRLON J	GROUND WATER	X
Water Right	61-10766	N	MAISON, B J	GROUND WATER	X

Water Right	61-10771	N	MAGEE, MARIA; MAGEE, WILLIAM U	GROUND WATER	X
Water Right	61-10811	N	PATE, RICHARD D; TRUEAX, ALBERT J	GROUND WATER	X
Water Right	61-10844	N	WHIPPLE, CHARLES F; WHIPPLE, PHYLLIS M	GROUND WATER	X
Water Right	61-11748	N	DAVIDSON JR, JAMES L; DAVIDSON, CHARLES	GROUND WATER	X
Water Right	61-11809	N	CHRIST, DORIS CORRINE	GROUND WATER	X
Water Right	61-11810	N	WHIPPLE, CHARLES F; WHIPPLE, PHYLLIS M	GROUND WATER	X
Water Right	61-7345	N	WOOD, ARLENE; WOOD, WALTER H	GROUND WATER	X
Water Right	61-7533	N	VAGT, ARTHUR	GROUND WATER	X

Conclusion: There are 27 water rights for domestic use in Melken Sub. There is 1 water right for commercial use in Melken Sub.

It's not clear how or if water is provided to the right holders. Per the field exam, 4^{private} wells were in service at the time and were interconnected to the Melken Sub system. It sounds like water from those private wells could only provide water to the respective homes and did not provide water to Melken's system. It is unknown where those wells are or who they belong to.

Finally, it is possible that the remaining water rights no longer have their own system but just use the common system so this permit could reflect duplicate coverage.

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P_ADDRESS	LEGAL1	LEGAL2	ACRES	YEAR_BUILT	FID
	LOTS 1-3	BLK 3	0.2	0	0
	LOTS 13-22 T-276 & VAC ST	BLK 10	0.9	0	1
590 NW ASH AVE	LOTS 1-4 & 30' VAC ST	BLK 10	0.3	1978	2
	LOTS 36 & 37	BLK 9	0.1	0	3
579 NW ASH AVE	LOTS 38-44	BLK 9	0.5	0	4
527 NW ASH AVE	LOTS 32-35	BLK 9	0.3	1999	5
	LOTS 14 & 15	BLK 9	0.1	0	6
475 NW ASH AVE	LOTS 30 & 31	BLK 9	0.1	1997	7
461 NW ASH AVE	LOTS 23-29	BLK 9	0.5	0	8
434 NW BIRCH AVE	S 20' LOT 19 LOTS 20-22	BLK 9	0.3	0	9
550 NW BIRCH AVE	LOTS 8-11	BLK 9	0.3	1965	10
	LOTS 12 & 13	BLK 9	0.1	0	11
450 NW BIRCH AVE	LOTS 16-18 & N 5' LOT 19	BLK 9	0.2	2001	12
550 NW BIRCH AVE	LOTS 5-7	BLK 9	0.2	0	13
588 NW BIRCH AVE	LOTS 1-4	BLK 9	0.3	0	14
539 NW BIRCH AVE	LOTS 38-40	BLK 8	0.2	2004	15
579 NW BIRCH AVE	LOTS 41-44	BLK 8	0.3	0	16
438 NW CEDAR AVE	LOTS 16-19	BLK 8	0.3	0	17
418 NW CEDAR AVE	LOTS 20 -22 BLK 8	BLK 8	0.2	0	18
433 NW BIRCH AVE	LOTS 23-30	BLK 8	0.5	1979	19
521 NW BIRCH AVE	LOTS 31-37	BLK 8	0.5	1982	20
558 NW CEDAR AVE	LOTS 4-10	BLK 8	0.5	1983	21
1391 NW HOLLY	LOTS 1-3	BLK 8	0.2	1997	22
	LOTS 40-43	BLK 7	0.3	0	23
427 NW CEDAR AVE	LOT 22 & 23	BLK 7	0.1	1965	24
	LOTS 34-39	BLK 7	0.4	1985	25
568 NW DATE AVE	LOTS 1-5	BLK 7	0.3	0	26
528 NW DATE AVE	LOTS 6 & 7	BLK 7	0.1	0	27
	LOTS 27 & 28	BLK 6	0.1	0	28
493 NW DATE AVE	LOTS 29 & 30	BLK 6	0.1	0	29
490 NW ELMCREST AVE	LOTS 13 & 14	BLK 6	0.1	2011	30
454 NW ELMCREST AVE	LOTS 17-21	BLK 6	0.4	0	31
461 NW DATE AVE	LOTS 25 & 26	BLK 6	0.1	2011	32

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P_ADDRESS	LEGAL1	LEGAL2	ACRES	YEAR_BUILT	FID
445 NW DATE AVE	LOTS 23 & 24	BLK 6	0.1	2002	33
427 NW DATE AVE	LOT 22	BLK 6	0.1	0	34
484 NW ELMCREST AVE	LOTS 15 & 16	BLK 6	0.1	0	35
505 NW DATE AVE	LOTS 31 & 32	BLK 6	0.1	2003	36
504 NW ELMCREST AVE	LOTS 11 & 12	BLK 6	0.1	0	37
548 NW ELMCREST AVE	LOTS 3 & 4	BLK 6	0.1	0	38
510 NW ELMCREST AVE	LOTS 9 & 10	BLK 6	0.1	0	39
518 B NW ELMCREST AVE	LOTS 5-8	BLK 6	0.3	0	40
NW DATE AVE	LOTS 33-42	BLK 6	0.7	0	41
1595 NW HOLLY	LOTS 1 & 2	BLK 6	0.1	2001	42
628 NW ASH AVE	LOTS 19-24	BLK 5 PLUS 30' VAC ST	0.5	1986	43
714 NW ASH AVE	LOTS 11-18	BLK 5	0.5	0	44
	LOTS 5-10	BLK 5	0.4	1993	45
772 NW ASH AVE	LOTS 1-4	BLK 5	0.3	1982	46
	LOT 27 S2 LOT 28	BLK 4	0.1	0	47
1260 NW HOLLY	LOTS 25 26	BLK 4	0.1	0	48
	LOT 29 N2 LOT 28	BLK 4	0.1	0	49
1310 NW HOLLY	LOTS 21-24	BLK 4	0.3	0	50
668 NW BIRCH AVE	LOTS 16-20	BLK 4	0.3	1987	51
717 NW ASH AVE	LOTS 33-41	BLK 4	0.6	1997	52
	LOTS 30-32	BLK 4	0.2	0	53
754 NW BIRCH AVE	LOTS 6 7	BLK 4	0.1	0	54
762 NW BIRCH AVE	LOT 5	BLK 4	0.1	0	55
784 NW BIRCH AVE	LOTS 1-4	BLK 4	0.3	1999	56
753 NW ASH AVE	LOTS 42-48	BLK 4	0.5	0	57
673 NW BIRCH AVE	LOTS 35-38 S 18 FT OF 39	BLK 3	0.3	1979	58
659 NW BIRCH AVE	LOTS 33 34	BLK 3	0.1	0	59
	LOTS 15 & 16	BLK 3	0.1	0	60
	LOTS 8-14	BLK 3	0.5	0	61
705 NW BIRCH AVE	N 7 FT LOT 39 LOTS 40-43 &	S 20 FT LOT 44 BLK 3	0.3	0	62
CEDAR	LOTS 4-7	BLK 3	0.3	0	63
773 A NW BIRCH AVE	NO 5 FT LOT 44 & LOTS 45-48	BLK 3	0.3	0	64
	N2 L-28 LOT 29 S 6.25'	BLK 2 & 10	0.1	2000	65

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P_ADDRESS	LEGAL1	LEGAL2	ACRES	YEAR_BUILT	FID
1432 NW HOLLY	LOT 30 L 25-27 & S2 L 28 + 10' VAC ST	VAC ST BLK 2	0.2	0	66
640 NW DATE AVE	LOTS 20-22	BLK 2	0.2	1990	67
620 NW DATE AVE	LOTS 23 & 24	BLK 2	0.1	0	68
666 NW DATE AVE	LOTS 15-17	BLK 2	0.2	1991	69
640 NW DATE AVE	LOTS 18 19	BLK 2	0.1	0	70
673 NW CEDAR AVE	LOTS 32-35 PLUS 10' VAC ST	BLK 2	0.3	0	71
	LOTS 11	BLK 2	0.1	1982	72
694 NW DATE AVE	LOT 12	BLK 2	0.1	0	73
	LOTS 13 14	BLK 2	0.1	0	74
693 NW CEDAR AVE	LOTS 36-38 PLUS 10' VAC ST	BLK 2	0.2	0	75
721 NW CEDAR AVE	LOTS 39-41 PLUS 10' VAC ST	BLK 2	0.2	0	76
722 NW DATE AVE	LOTS 7-10	BLK 2	0.3	0	77
764 NW DATE AVE	LOTS 1-6	BLK 2	0.4	0	78
	LOTS 42-44 PLUS 10' VAC ST	BLK 2	0.2	0	79
712 NW ELMCREST AVE	LOTS 12 & 13	BLK 1	0.1	0	80
657 NW DATE AVE	LOTS 35 & 36	BLK 1	0.1	1996	81
721 NW DATE AVE	LOTS 37-41	BLK 1	0.3	1997	82
	LOTS 17-19	BLK 1	0.2	0	83
653 NW DATE AVE	LOTS 31-34	BLK 1	0.3	0	84
638 NW ELMCREST AVE	LOTS 14 15 16	BLK 1	0.2	1975	85
638 NW ELMCREST AVE	LOTS 20-22	BLK 1	0.2	0	86
	LOTS 23 & 24	BLK 1	0.1	0	87
1556 NW HOLLY	LOTS 25-30	BLK 1	0.4	0	88
	LOTS 42-45	BLK 1	0.3	0	89
740 NW ELMCREST AVE	LOTS 1-11	BLK 1	0.7	0	90
779 NW DATE AVE	LOTS 46-48	BLK 1	0.2	0	91
771 NW CEDAR AVE	LOTS 45-48 PLUS 10' VAC ST	BLK 2	0.3	0	92
	N 18.75' LOT 30 ALL LOT 31	BLK 2 & 10' VAC ST	0.1	2006	93
546 NW DATE AVE	LOTS 8 & 9	BLK 7	0.1	1999	94
412 NW DATE AVE	LOTS 19-21	BLK 7	0.2	1984	95
442 NW DATE AVE	S2 LOT 16 ALL LOTS 17 & 18	BLK 7	0.2	0	96
445 NW CEDAR AVE	LOTS 24-33	BLK 7	0.7	0	97

Blk 1: Lots 12-48

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P_ADDRESS	LEGAL1	LEGAL2	ACRES	YEAR_BUILT	FID
	LOTS 13-15 & N 1/2 LOT 16	BLK 7	0.2	0	98
512 NW DATE AVE	LOTS 10-12	BLK 7	0.2	0	99
550 NW ASH AVE	LOTS 5-8	BLK 10	0.3	2001	100
516 NW ASH AVE	LOTS 9-12	BLK 10	0.3	0	101
710 NW BIRCH AVE	LOTS 8-12	BLK 4	0.3	0	102
690 NW BIRCH AVE	LOTS 13-15	BLK 4	0.2	0	103
	LOTS 11-15	BLK 8	0.3	0	104
	LOTS 21-24	BLK 3	0.3	0	105
656 NW CEDAR AVE	LOTS 17-20	BLK 3	0.3	0	106
633 NW BIRCH AVE	LOTS 25-30	BLK 3	0.4	0	107
645 NW BIRCH AVE	LOTS 31 32	BLK 3	0.1	1983	108
Sum ACRES	27.6				