# Water Right Conditions Tracking Slip

Groundwater/Hydrology Section
FILE # # G-17585
ROUTED TO: Water Rights
TOWNSHIP/
RANGE-SECTION: 225/20E-2
CONDITIONS ATTACHED?: [Xyes [] no
REMARKS OR FURTHER INSTRUCTIONS:
Not win usas aw study
Acea
Reviewer: K. Lite

## Water Resources Department

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TO		App	olicatio	n G	158	5							
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SUI	ВЈЕСТ			(Keviewer	Interfe	rence E	valuat	ion					
	Yes No	The	source	of appro	opriatio	n is with	nin or a	bove a :	Scenic '	Waterw	ay		
× —	Yes No	Use	the Sce	enic Wa	terway (	conditio	n (Con	dition 7	J).				
PRE	EPONDI	ERANC	Œ OF I	EVIDEN	NCE FII	NDING:	(Chec	ck box o	only if s	tatemer	nt is true	)	
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			•	•			(						
FLC	W RED	OUCTIO	ON: <i>(To</i>	be fille	d out oi	nly if <u>Pr</u>	<u>eponde</u>	<u>rance o</u>	f Evide	<u>nce</u> box	is not c	hecked)	
Wat	rcise of erway b ace wate	y the fo	ollowin	g amoui					of the c	onsump	otive use	Scer by whi	
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	

#### PUBLIC INTEREST REVIEW FOR GROUND WATER APPLICATIONS

TO:		Water	Rights	Section				Date	12/03/20	12		
FROM	<b>1</b> :	Grour	nd Water	/Hydrology	Section _							
SUBJI	ECT:	Appli	cation G	- 17585			ewer's Name persedes re	view of				
5020			outron o				p <b>o</b> .5 <b>0</b> 405.0			Date of Rev	iew(s)	
				UMPTION								
welfare to deter	e, <i>safety at</i> rmine whe	<i>nd healt</i> ether the	th as desc presump	ribed in ORS tion is establ	537.525. Dished. OAR	epartment 690-310-	t staff review 140 allows th	ground wate he proposed u	ensure the prese er applications u use be modified	inder OA	R 690-31 ioned to	0-140 meet
the pre	sumption	criteria.	This rev	iew is based	upon avail	able infor	mation and	agency poli	cies in place at	the time	of evalu	ation.
A. <u>GE</u>	NERAL	INFO	RMAT	<u>ION</u> : A	pplicant's N	lame:	James Mil	gard		County:	<u>Deschu</u>	tes
A1.	Applica	nt(s) se	ek(s) <u>2.</u>	55 cfs fro	m <u>1</u>	well	(s) in the	Deschutes				_Basin,
	]	Hampto	on Valley			subb	asin Qu	ad Map: <u>W</u>	est of Hampto	n		
A2.	Propose	ed use:	lr	rigation		Seas	sonality:	March 1 –	October 31			
A3.									wells as such t	ınder log	id):	
Well	Log	id	Applica		roposed	Propos		Location		n, metes		
1	DESC 5		Well 1		.quifer* & Volcanics	Rate(c 2.55		/R-S QQ-Q) S/20E-2ABA		N, 1200' E , 1310' W		
2	<u> </u>	77500		5003	v v oleanies			<u> </u>		,		
3												
5												
_	ium, CRB,	Bedrock	ζ									
	Well	First	SW	CNVI	Well	Seal	Casing	Liner	Perforations	Well	Draw	Test
Well	Elev	Water	1	SWL Date	Depth (ft)	Interval (ft)	Intervals (ft)	Intervals (ft)	Or Screens (ft)	Yield	Down (ft)	Type
1	ft msl 4418	ft bls 180	ft bls	7/21/2012	370	18	+2 -71	(11)	(11)	(gpm) 1000	(11)	A
	<del>  -</del>										_	
Use dat	a from app	lication :	for propos	ed wells.		<u> </u>						
					TED INTO	SEDIM	ENTADV A	ND VOLCA	NIC DEPOSI	TS WITI	JIN A SI	MALI
A4. BASIN	N ALONO	THE	BROTH	ERS FAULT	ZONE. G	ROUND	WATER LI	EVELS ARE	BELOW SPR	RINGS A	<u>ND</u>	
				THE AREA. ST (MILLIC			R FLOW DI	RECTION I	S UNCERTAL	N, BUT	MAY BI	<u> </u>
A5.	Provis	ions of	the <u>Desc</u>	<u>chutes</u> water hydraul	ically conne	ected to su	Basin ru rface water	ules relative t □ are. or ⊠	o the developm are not, activ	ent, class ated by th	ification is applic	and/or ation.
	(Not all	l basin r	ules cont	ain such prov	isions.)							
	Comme	ents:										
							-					
A6. □	] Well(s)	#		_ , ,	,_	;	,, ta	np(s) an aquif	er limited by ar	administ	rative res	striction.
	Name of	of admir	nistrative	area:								
	Comme	ills										

Version: 08/15/2003

Applic	ation	G- <u>17585</u>	continued	Date	12/03/2012
В. <u>GF</u>	ROUN	ND WATER AVAI	LABILITY CONSIDERATION	S, OAR 690-310-130, 40	0-010, 410-0070
B1.	Bas	sed upon available da	ata, I have determined that ground wa	ter* for the proposed use:	
	a.	period of the pro	ated, is not over appropriated, or opposed use. * This finding is limited as prescribed in OAR 690-310-130;	cannot be determined to the ground water portion of	be over appropriated during any of the over-appropriation
	b.		will likely be available in the amounts e ground water portion of the inju		
	c.	☐ will not or ☐	will likely to be available within the c	apacity of the ground water	resource; or
	d.	i. ☐ The pe ii. ☐ The pe	y conditioned, avoid injury to existing rmit should contain condition #(s) rmit should be conditioned as indicated rmit should contain special condition(	7B, 7N ed in item 2 below.	;
B2.	a.	☐ Condition to a	llow ground water production from no	deeper than	ft. below land surface;
	b.	☐ Condition to a	llow ground water production from no	shallower than	ft. below land surface;
	c.	Condition to al water reservoir	low ground water production only from between approximately float	m the ft. below	ground ground ground
	d.	occur with this issuance of the part of th	ction is necessary to accomplish one cause and without reconstructing are cite permit until evidence of well reconstrution—as related to water availability—that	ed below. Without reconstruction is filed with the Depar	ction, I recommend withholding tment and approved by the Ground
			s, not within the capacity of the resour		
В3.	OR VIO 2,8 DIS TH DE	R PLANNED IN THI CINITY HAVE REL 00 FEET TO THE N STANT WELL (DES IE MAJOR PUMPIN CCLINE (4.4 FEET)	lity remarks: SEVERAL HIGH YE VICINITY OF THE WELL ON TATIVELY LONG-TERM MEASU NORTHWEST OF THE POA, HAS SC 53516) LOCATED ABOUT 5.7 ING AREA) HAS BEEN MEASURE OVER THE PERIOD OF RECORD WELLS CAN BE ATTRIBUTED TO	THIS APPLICATION. TW REMENT RECORDS. W DECLINED ABOUT 4.1 F MILES TO THE NORTHY D SINCE 1993 AND SHOW D. IT APPEARS THAT SO	O WELLS IN THE GENERAL ELL DESC 55145, LOCATED EET SINCE 2004. A MORE VEST (AND AWAY FROM WS A SLIGHT, STEADY DME OF THE DECLINE
	_				

continued

Version: 08/15/2003

12/03/2012

Date\_

#### C. GROUND WATER/SURFACE WATER CONSIDERATIONS, OAR 690-09-040

C1. **690-09-040** (1): Evaluation of aquifer confinement:

Well	Aquifer or Proposed Aquifer	Confined	Unconfined
1	SEDIMENTARY AND VOLCANIC UNITS		

Basis for aquifer confinement evaluation: <u>THE WATER-BEARING UNITS MAY BE LOCALLY SEMI-CONFINED BECAUSE OF THE HETEROGENITY OF THE SEDIMENTARY DEPOSITS AND SPATIAL VARIABILITY IN PERMEABILITY INHERENT TO THE LAVA FLOWS.</u>

C2. **690-09-040** (2) (3): Evaluation of distance to, and hydraulic connection with, surface water sources. All wells located a horizontal distance less than ¼ mile from a surface water source that produce water from an unconfined aquifer shall be assumed to be hydraulically connected to the surface water source. Include in this table any streams located beyond one mile that are evaluated for PSI.

Well	SW #	Surface Water Name	GW Elev ft msl	SW Elev ft msl	Distance (ft)	Hydraulically Connected? YES NO ASSUMED	Potential for Subst. Interfer. Assumed? YES NO
1	1	CAMP CREEK	4300	4500	63,360		

Basis for aquifer hydraulic connection evaluation: <u>GROUND WATER LEVELS ARE BELOW THE ELEVATION OF SPRINGS AND CAMP CREEK AT THE NEAREST DISTANCE.</u>

Water Availability Basin the well(s) are located within: 70358; S. FK CROOKED RIVER

C3a. 690-09-040 (4): Evaluation of stream impacts for each well that has been determined or assumed to be hydraulically connected and less than 1 mile from a surface water source. Limit evaluation to instream rights and minimum stream flows that are pertinent to that surface water source, and not lower SW sources to which the stream under evaluation is tributary. Compare the requested rate against the 1% of 80% natural flow for the pertinent Water Availability Basin (WAB). If Q is not distributed by well, use full rate for each well. Any checked box indicates the well is assumed to have the potential to cause PSI.

Well	SW #	Well < ½ mile?	Qw > 5 cfs?	Instream Water Right ID	Instream Water Right Q (cfs)	Qw> 1% ISWR?	80% Natural Flow (cfs)	Qw > 1% of 80% Natural Flow?	Interference @ 30 days (%)	Potential for Subst. Interfer. Assumed?
							_			

Version: 08/15/2003

C3b. 690-09-040 (4): Evaluation of stream impacts by total appropriation for all wells determined or assumed to be hydraulically connected and less than 1 mile from a surface water source. Complete only if Q is distributed among wells. Otherwise same evaluation and limitations apply as in C3a above.

SW #	Qw > 5 cfs?	Instream Water Right ID	Instream Water Right Q (cfs)	Qw > 1% ISWR?	80% Natural Flow (cfs)	Qw > 1% of 80% Natural Flow?	Interference @ 30 days (%)	Potential for Subst. Interfer. Assumed?
					_			<u> </u>
Comments:								

C4a. 690-09-040 (5): Estimated impacts on hydraulically connected surface water sources greater than one mile as a percentage of the proposed pumping rate. Limit evaluation to the effects that will occur up to one year after pumping begins. This table encompasses the considerations required by 09-040 (5)(a), (b), (c) and (d), which are not included on this form. Use additional sheets if calculated flows from more than one WAB are required.

Non-Di	stributed	Wells											
Well	SW#_	Jan _	Feb_	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q a	as CFS												
Interfere	nce CFS												
Distrib	uted Well				·								
Well	SW#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q a	as CFS												
Interfere	nce CFS												
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q a	as CFS												
	nce CFS												
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q a	as CFS												
Interfere	ence CFS												
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q	as CFS												
	ence CFS												
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q	as CFS												
Interfere	ence CFS							-					
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q	as CFS												
Interfere	ence CFS												
(A) = To	tal Interf.			_									
	% Nat. Q												
(C) = 1 %	% Nat. Q												
(D) = (A	)>(C)	€	√	V	1	<b>√</b>	24.	V	V	'مي	- /	\delta'	
	/B) x 100	%	%	%	%	%	%	%	%	%	%	%	9/0

(A) = total interference as CFS; (B) = WAB calculated natural flow at 80% exceed. as CFS; (C) = 1% of calculated natural flow at 80% exceed. as CFS; (D) = highlight the checkmark for each month where (A) is greater than (C); (E) = total interference divided by 80% flow as percentage.

690-09-040 (5) (b) The potential to impair or detrimentally affect the public interest is to be determined by the W Rights Section.  ✓ If properly conditioned, the surface water source(s) can be adequately protected from interference, and/or ground water under this permit can be regulated if it is found to substantially interfere with surface water:  i. ✓ The permit should contain condition #(s)								
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CILE G-17585; WELL REPORTS DESC 53516, DESC 55145 AND DESC 59536.		IARACTERIZED		ES TO REGION				
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	Rei	ferences Used:	JSGS GEOL MA	P I-493; USGS V	VRIR 00-4162;	OWRD GW R	V.	

Application G-17585 continued

Date 12/3/2012

### D. WELL CONSTRUCTION, OAR 690-200

D1.	Well #:	1 Logid: <u>DESC 59536</u>
D2.	a.     b.     c.	ELL does not meet current well construction standards based upon:  review of the well log; field inspection by
D3.	THE W a.	CELL construction deficiency:  constitutes a health threat under Division 200 rules;  commingles water from more than one ground water reservoir;  permits the loss of artesian head;  permits the de-watering of one or more ground water reservoirs;  other: (specify)
D4.	THE W	ELL construction deficiency is described as follows:
D5.	THE W	<b>ELL</b> a. □ was, or □ was not constructed according to the standards in effect at the time of original construction or most recent modification.
		b.   I don't know if it met standards at the time of construction.
D6.		to the Enforcement Section. I recommend withholding issuance of the permit until evidence of well reconstruction with the Department and approved by the Enforcement Section and the Ground Water Section.
TH	IS SECTIO	ON TO BE COMPLETED BY ENFORCEMENT PERSONNEL
D7.	☐ Well co	nstruction deficiency has been corrected by the following actions:
		(Enforcement Section Signature), 200
D0	□ Doute	
D8.		to Water Rights Section (attach well reconstruction logs to this page).

G-17585: West of Hampton and Hampton Quadrangles



