PUBLIC INTEREST REVIEW FOR GROUND WATER APPLICATIONS

TO:		Wate	r Rights S	ection				Date	Cctobe	er 7, 200 <u>5</u>		Mitter - Transcription
FROM	:	Grou	nd Water/	Hydrology	Section _	Micha	ael Zwart					
ar in ir	COTT.	A1		16406			ewer's Name	- · · - · · · · · · · · ·	NT/A			
SUBJE	CI:	Appi	ication G-	10490		Suj	persedes re	view or	N/A	Date of Re	view(s)	
PUBLI	IC INTI	ERES	Γ PRESU	MPTION;	GROUN	DWATE:	R					
OAR 69 w <i>elfare,</i> to deter	9 <mark>0-310-1</mark> , <i>safety a</i> mine who	30 (1) i nd heal ether th	The Depara th as descr e presumpt	iment shall p ibed in ORS ion is establi	resume tha 537.525. I ished. OAR	t a proposi Department 690-310-	ed groundwe staff review 140 allows t	ground water ground	ensure the pro er applications use be modific cies in place	s under OA ed or condi	R 690-31 tioned to	10-140 meet
A. <u>GE</u> I	NERAL	INFO	<u>)RMATI</u>	<u>ON</u> : A	pplicant's l	Name:	LaGrande	Farm, Jar	nes Habber	stadC	ounty: <u>Un</u>	ion
A1.	Applica	nt(s) se	eek(s) <u>0.3</u>	5 cfs froi	n <u>one</u>	well((s) in the	Grande Ro	onde			Basin,
		Cather	ine Creek			subb	asin Qu	ad Map:C	onley			
A2. A3.			Irı Fer data (at		mber logs				October 31 wells as sucl	under log	gid):	
Well	Log	id	Applican		oposed	Propose	I	Location		Location, metes and bounds		
1	UNIO 5	1315	Well #		quifer* luvium	Rate(cf		/R-S QQ-Q) E-24 SW-S `		2250' N, 1200' E fr NW cor S 30 45.28537326 N, -117.89086031		
* Alluvii	um, CRB,	Bedroc	k			•						
Well	Well Elev ft msl	First Wate	r SWL	SWL Date	Well Depth (ft)	Seal Interval (ft)	Casing Intervals (ft)	Liner Intervals (ft)	Perforations Or Screens (ft)	Well Yield (gpm)	Draw Down (ft)	Test Type
12	2694	12	12	2/14/03	368	0-55	0-368	None	118-178 228-238 328-358	200	?	Air
Use data	from app	lication	for propose	d wells.	·		•				•	
A4. Co	mments:	See re	views for	files G-1617	2, G-16368	8 & G-164	46. This fili	ing is intend	ed to increas	e the legal	producti	ion for
									well location datum or ref			
corner)		111 101	this the (ii	cation nere	is provide	u in ucciii	iai ucgi ces	Without any	Catam of 1ci	crence to	a section	
									,			
A5. ⊠	manage (Not all	ment o I basin i	rules conta		ically conne isions.)	ected to sur	rface water	ıles relative t □ are, or ⊠	o the develop are not, act	ment, class ivated by tl	ification	and/or ation.
A6. □	Well(s)	of admi	nistrative a	,, rea;			, ta	ıp(s) an aquif	er limited by	an adminis	trative res	striction.

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. <u>GR</u>	OUN	ND WATER AVAILABILITY CONSIDERATIONS, OAR 690-310-130, 400-010, 410-0070
1.	Bas	ed upon available data, I have determined that ground water* for the proposed use:
	a.	is over appropriated, is not over appropriated, or is cannot be determined to be over appropriated during any period of the proposed use. * This finding is limited to the ground water portion of the over-appropriation determination as prescribed in OAR 690-310-130;
	b.	is limited to the ground water portion of the injury determination as prescribed in OAR 690-310-130;
	c.	will not or will likely to be available within the capacity of the ground water resource; or
	d.	will, if properly conditioned, avoid injury to existing ground water rights or to the ground water resource: i. The permit should contain condition #(s) ii. The permit should be conditioned as indicated in item 2 below. iii. The permit should contain special condition(s) as indicated in item 3 below;
2.	a.	Condition to allow ground water production from no deeper than ft. below land surface;
	b.	Condition to allow ground water production from no shallower than ft. below land surface;
	c.	Condition to allow ground water production only from the ground water reservoir between approximately ft. and ft. below land surface;
	d.	Well reconstruction is necessary to accomplish one or more of the above conditions. The problems that are likely to occur with this use and without reconstructing are cited below. Without reconstruction, I recommend withholding issuance of the permit until evidence of well reconstruction is filed with the Department and approved by the Ground Water Section. Describe injury —as related to water availability—that is likely to occur without well reconstruction (interference w/ senior water rights, not within the capacity of the resource, etc):
3.	Gre	ound water availability remarks:

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horizon assume	ntal dis ed to be	ance less t	han ¼ mi ılly conne	le from a suri	ace water so	urce that pi	oduce water	from an unco	s. All wells loc nfined aquifer ns located beyo	shall be
Well	SW #	Su	rface Wa	ter Name	GW Elev ft msl	SW Elev ft msl	Distance (ft)	Hydrau Conne YES NO	cted?	Potential f Subst. Inter Assumed YES
12	1	Catheri	ie Creek		2682	2682	4500			
Water . 590-09- connectare pert	Availal 040 (4 ted and inent to	pility Basing: Evaluation less than that surface	the well on of stre 1 mile free water s	eam impacts for a surface ource, and no	ed within:	Catherine that has be Limit eval	en determine uation to inst which the stre	d or assumed ream rights a am under eva	t mouth (3081) to be hydrauli nd minimum st aluation is tribu WAB). If Q is	ically ream flows itary, Comp
									Interference @ 30 days (%)	
12	1						35.4 (Oct.)	D *	3.0	
		ㅡ								
		 	一片							
						<u> </u>				<u> </u>
): Evalua	tion of str	om a surface	water source.	opriation for Complete	only if Q is	etermined or a distributed a	assumed to be lamong wells. C	Otherwise sa
connec	ted and	l less than limitations	Qw > 5 cfs?	Instream Water Right ID	Instream Water Right Q (cfs)	Qw > 1% ISWR?	80% Natural Flow (cfs)	of 80% Natural Flow?	@ 30 days (%)	Interfe Assume
connec	ted and on and SW	l less than limitations	apply as	Instream Water Right	Water Right Q	1%	Natural Flow	of 80% Natural	@ 30 days	Interfe
connec	ted and on and SW	liess than limitations	apply as	Instream Water Right	Water Right Q	1%	Natural Flow	of 80% Natural	@ 30 days	Interfe
connec	ted and on and SW	limitations	apply as	Instream Water Right	Water Right Q	1%	Natural Flow	of 80% Natural	@ 30 days	Interfe

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12

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

Alluvium

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

Aquifer or Proposed Aquifer

Date: October 7, 2005

Unconfined

Confined

Date: Oc	tober 7, 2005

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.

Well	SW#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q	as CFS												
Interfere	nce CFS												
	uted Well		12.4.	Man	A	3.4	T	Lat	A	C+	0-4	Nt	D.,,
Well	SW#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Well Q	as CFS			, , , , ,	,								
	ence CFS										***************************************		
interiore	alce et 5												
Well Q	as CFS								i				
Interfere	ence CFS												
Well Q	as CFS												
	ence CFS												
III CI ICI C													
Well Q	as CFS												
Interfere	ence CFS												
Well Q	oc CES												
	ence CFS												
Well Q	as CFS												
	ence CFS												
(A) = To	tal Interf.												
	% Nat. Q												
(C) = 1 °	% Nat. Q												
(D) = (A	i) > (C)	¥	Ų.	1	v'	y'	500	N.A.	3*	ν' .	٧.	1	
(E) = (A	/B) x 100	%	%	%	%	%	%	%	%	%	%	%	9/

asis for impact evalu		 ***************************************	

ppli	cation G- <u>16496</u>	continued	Date: October 1, 2005
4b.	690-09-040 (5) (b) Rights Section.	The potential to impair	or detrimentally affect the public interest is to be determined by the Water
5. [2	under this permit car i. 🔀 The per	n be regulated if it is found it should contain condition.	ource(s) can be adequately protected from interference, and/or ground water use d to substantially interfere with surface water: ion #(s); I condition(s) as indicated in "Remarks" below;
<u> </u>	Division 9 rule threshol PSI. I believe that the l imitations on the maxi	ds regarding the rate of Department should stroi num production rate of	fourth recent filing on this well. The applicant is taking advantage of the appropriation as compared to the natural streamflow to avoid a finding of appropriation as compared to the permit or, if a permit is issued, place this well to limit interference with Catherine Creek. I suggest that the he rate to 0.35 cfs under any combination of these permits.
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-			
-			
<u></u>	References Used: <u>De</u> 1966; local well logs; F	velopment Potential of C iles G-6578, G-16172, G	Ground Water in the Grande Ronde Valley, Union County, Oregon, Ham, G-16368 & G-16446.
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DI.		Well #:12
D2.		THE WELL does not meet current well construction standards based upon: a review of the well log; b field inspection by c report of CWRE d other: (specify)
D3,		THE WELL construction deficiency: a constitutes a health threat under Division 200 rules; b commingles water from more than one ground water reservoir; c permits the loss of artesian head; d permits the de-watering of one or more ground water reservoirs; e other: (specify)
D4.	,	THE WELL construction deficiency is described as follows:
		·
D5.		THE WELL a. was, or was not constructed according to the standards in effect at the time of original construction or most recent modification.
D6.		b. I don't know if it met standards at the time of construction. Route to the Enforcement Section. I recommend withholding issuance of the permit until evidence of well reconstruction is filed with the Department and approved by the Enforcement Section and the Ground Water Section.
TH	SS.	ECTION TO BE COMPLETED BY ENFORCEMENT PERSONNEL
D7.		Well construction deficiency has been corrected by the following actions:
		(Enforcement Section Signature) , 200
		(
D8.		Route to Water Rights Section (attach well reconstruction logs to this page).

Date: October 7, 2005

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____continued

WATER RESOURCES DEPARTMENT

MEM	0	3 March , 200 6
TO:		Application G-16496
FROM SUBJ		GW: Gerald H. Grondia (Reviewer's Name) Scenic Waterway Interference Evaluation
	AMEG	
X	_YES _NO	The source of appropriation is within or above a Scenic Waterway
	_YES _NO	Use the Scenic Waterway condition (Condition 7J)
	interfe	RS 390.835, the Ground Water Section is able to calculate ground water rence with surface water that contributes to a Scenic Waterway. The ated interference is distributed below.
	interfe the De that th	RS 390.835, the Ground Water Section is unable to calculate ground water rence with surface water that contributes to a scenic waterway; therefore, epartment is unable to find that there is a preponderance of evidence ne proposed use will measurably reduce the surface water flows ary to maintain the free-flowing character of a scenic waterway.

DISTRIBUTION OF INTERFERENCE

Calculate the percentage of consumptive use by month and fill in the table below. If interference cannot be calculated, per criteria in 390.835, do not fill in the table but check the "unable" option above, thus informing Water Rights that the Department is unable to make a Preponderance of Evidence finding.

Exercise of this permit is calculated to reduce monthly flows in Grande Ronde Scenic Waterway by the following amounts expressed as a proportion of the consumptive use by which surface water flow is reduced.

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
9.1	8.7	8.4	8:1	8.0	8.0	8.1	8.4	8.6	8.5	8.3	8.0	9

Cartes St. 1983 1983 1985 200 Creened Water Society is able to establish countries water countries of the content of the conte

For OCA SURSES, the terms of Veer Section learnable to calculate ground water attacked to the colors of the colors

DISTRIBUTION OF INTERVIEW B

Exercise of this permit is coloriated to reduce morality in which force as Rocate. Scenic Water care his feet and the consumptive used to this confine with a consumptive used to this confine will be consumptive used to this confine will be consumptive used to this confine will be consumptive used to the confine will be confined with the confine will be confined with the confined will be c