PUBLIC INTEREST REVIEW FOR GROUND WATER APPLICATIONS

TO:		Wate	er Rights	Section				Da	ate Novem	ber 14,	2006	
FRO	M:	Grou	and Water	r/Hydrolog	y Section	Mic	hael Zwar	t				
SUB	JECT:			i- <u>16692</u>		Re	viewer's Name		N/A	Date of R	Review(s)	
welfan to det the pr	re, safety of ermine where the sumption	and hea nether the criteria	<i>The Depai</i> <i>lth as desc</i> ae presumr	otion is established in the state of the sta	presume to RS 537.525 plished. Of d upon av	hat a prope . Departme AR 690-310 ailable info	osed groundent staff revience 140 allows primation and	w ground wa	I ensure the prester applications I use be modified licies in place a	under Ozed or cond at the tim	AR 690-3 litioned to ne of eval	310-140
A1.						wel	l(s) in the	Hood		ounty:I	lood	Basin
A2. A3.	Propos Well an	ed use:	Irı Fer data (at	rigation, 50	acres	San	econolitus	uad Map: 1	Parkdale to October 31 d wells as such			
Well 1 2 3	Log HOOD	id	Applican Well #	t's P	roposed quifer* CRB	Propos Rate(c 0.211	sed efs) (1	Location [/R-S QQ-Q) 0E-28 SW-S	Locatio 2250'	n, metes N, 1200' E	and boun	or S 36
4 5 * Alluv	ium, CRB,	Bedrock	<u> </u>									
Well	Well Elev ft msl 1455	First Water ft bls 280	SWL ft bls	SWL Date 5/19/05	Well Depth (ft)	Seal Interval (ft) 0-80	Casing Intervals (ft)	Liner Intervals (ft) None	Perforations Or Screens (ft) None	Well Yield (gpm) 95	Draw Down (ft) 100	Test Type
Use data A4.			or proposed	wells.	he applica	tion.						
A5. 🛛	(TOUR WILL	nent of g basin ru	ground wa les contain	er nyaraun such provi	cally conne	ected to sur	face water [」are, or ⊠	the developme are not, activa	ted by thi	is applica	nd/or tion.
1 6. □								(s) an aquife	r limited by an a	ıdministra	ative restr	riction.

Appli	ication	G- <u>16692</u>	continued		Date: November 14, 2006					
В. <u>G</u>	ROU	ND WATER AVAILABILI	TY CONSIDERAT	IONS, OAR 690	310-130, 400-010, 410-007	<u>0</u>				
B1.		sed upon available data, I have				-				
	a.	is over appropriated, i i period of the proposed use determination as prescribe	is not over appropriated, $or \boxtimes$ cannot be determined to be over appropriated during any e. * This finding is limited to the ground water portion of the over-appropriation ed in OAR 690-310-130;							
	b.	☐ will not or ☐ will likely is limited to the ground	be available in the amo water portion of the	unts requested withouth	out injury to prior water rights. on as prescribed in OAR 690-	* This finding 310-130;				
	c.	will not or will likely	to be available within t	he capacity of the gr	round water resource; or					
	d.	ii. The permit should	ned, avoid injury to exid contain condition #(s) d be conditioned as indidicontain special conditioned	2N cated in item 2 belo	rights or to the ground water reserve. w. n item 3 below;	ource:				
B2.	a.				ft. below land	surface:				
	b.				ft. below land					
	c.				basaltft. below land surface;					
	d.	Well reconstruction is necoccur with this use and with	cessary to accomplish o	ne or more of the ab	pove conditions. The problems the ut reconstruction, I recommend the the Department and approved	nat are likely to				
		Describe injury —as related senior water rights, not within	to water availability— the the capacity of the rese	nat is likely to occur burce, etc):	without well reconstruction (inte	erference w/				
В3.	reco 'will	mmended above, then I would	asalt aquiters are devo need to re-review the ig checked under B1b	eloped. If no measu file, with the likely or B1c. No State o	d overdraft of the resource exiurement/decline condition is use result being that one or both observation wells are very near the period 2001 to 2006.	sed, as				

						Programment of the control of the co				

Date: November 14, 2006

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

								一一一

Comments: This section does not apply.	
	

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-Distributed	l Wells											
Well SW#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS					***************************************							, ,
Interference CFS												
Distributed Wel	ls											
Well SW#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	%	%	%	%	%	%	%	//ug	% Sep	%	%	Dec %
Well Q as CFS								/*	70	76	76	76
Interference CFS												
	%	%	9/0	%	%	%	9/0	%	%	%	%	%
Well Q as CFS			***************************************					/"	/0	70	70	%0
Interference CFS						***************************************	<u> </u>					
	%	%	%	9/0	%	%	%	6/0	%	%	%	%
Well Q as CFS							, ,	70	/0		76	70
Interference CFS												
	%	%	%	%	%	%	%	%	%	%	%	9/0
Well Q as CFS										/0	70	70
Interference CFS												
	%	%	%	%	9/0	%	%	%	9/9	%	%	6/6
Well Q as CFS									/ /	70	/0	78
Interference CFS												
	%	%	%	%	%	%	9/0	0/9	%	0/0	9/0	9/0
Well Q as CFS												/0
Interference CFS												·
(A) = Total Interf.												
(B) = 80 % Nat. Q												····
(C) = 1 % Nat. Q							1					
$(D) = (A) \ge (C)$												
$(E) = (A / B) \times 100$	8/0	9/0	6/0	9/9	9/0	9/	- 4		- V			g ²
(2) (2) 10) 100	- '		/8	70	70	%	9/6	%	%	%	%	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 Rights Section. If properly conditioned, the surface water source(s) can be adequately protected from interference, and/or ground wa under this permit can be regulated if it is found to substantially interfere with surface water: i.	5 til lite	Vozniak model for aquifers such as the CRB, in which the water-bearing zone is hydraulically connected to water only within a restricted reach in areas where streams are so deeply incised.
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Date: November 14, 2006

Application G-16692 continued

Application G-16692 continued	Date: November 14, 2006
D. WELL CONSTRUCTION, OAR 690-200	
D1. Well #: 1 Logid: HOOD 50507	
D2. THE WELL does not meet current well construction standards bas a. review of the well log; b. field inspection by c. report of CWRE d. other: (specify)	
D3. THE WELL construction deficiency: a.	z·
D4. THE WELL construction deficiency is described as follows:	
D5. THE WELL a. was, or was not constructed according to original construction or most recent modifice. b. I don't know if it met standards at the time of the construction. I recommend withholding issuance is filed with the Department and approved by the Enforcement Section and	o the standards in effect at the time of ation. of construction.
THIS SECTION TO BE COMPLETED BY ENFORCEMENT PERS	CONNEL
D7. Well construction deficiency has been corrected by the following actions	
(Enforcement Section Signature) D8. Route to Water Rights Section (attach well reconstruction logs to thi	, 200 is page).

Application G-16692

continued

WATER RESOURCES DEPARTMENT

ME	СМО							<u> </u>	ovenhe	-14	, 200_6
	: OM: BJECT:	GW	elication	(Reviewer'	was S Name)	tence Ev	valuatio	n			
V	YES NO		source o	of appro	priation	is with	in or abo	ove a Sc	enic W	aterway	,
	YES Use the Scenic Waterway condition (Condition 7J)										
	Per O interf the D that t	RS 390 erence v epartm he proj	terferend 1.835, the with surrent is uposed us	race wa ce is dis e Groun face wa nable to se will r	ter that tributed d Wate ter that o find t measura	er Section contributed below. The Section contributed the contributed by recovering characteristics and the contributed by recovering characteristics.	n is una tes to a re is a p	Scenic viscenic visce	Waterwalculate	ground ground y; ther of evid	l water efore, ence
Calcula alcula nformi	DISTRIBUTION OF INTERFERENCE alculate the percentage of consumptive use by month and fill in the table below. If interference cannot be alculated, per criteria in 390.835, do not fill in the table but check the "unable" option above, thus forming Water Rights that the Department is unable to make a Preponderance of Evidence finding.										
vater	way by	the follo	it is calcowing a low is r	mounts	express	e monthed as a	nly flow proporti	s in on of th	e consu	mptive	Scenic use by
ın	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec

