PUBLIC INTEREST REVIEW FOR GROUND WATER APPLICATIONS

TO:		Water	Rights S	ection				Dat	e August :	<u>31, 2004</u>			
FROM		Groun	nd Water/	Hydrology	Section_		ael Zwart						
erm re	· ·CT·	A1:	antina C	16266			iewer's Name		NI/A				
SUBJE	CI:	Appli	cation G-	16266		Su	ipersedes re	view of	N/A	Date of Re	view(s)		
OAR 69 welfare, to deter the pres	90-310-1 , safety a mine who sumption	30 (1) 7 nd healt ether the criteria.	The Depart th as descr presumpt This revi	ibed in ORS ion is establ ew is based	oresume the 537.525. ished. OA upon ava	at a propos Departmen R 690-310- ilable info	sed groundw t staff review 140 allows t rmation and	v ground wat he proposed l agency pol	ensure the preser applications use be modified icies in place at	under OA l or condi t the time	R 690-31 tioned to of evalu	l0-140 meet	
A. GE	NEKAL	INFO	RMATIO	<u>JIY</u> : A	pplicant's	Name:	Larry and	l Patricia P	owell Co	unty:V	asco		
A1.	Applica	ınt(s) se	ek(s) <u>0.0</u>	69 cfs fro	m <u>one</u>	well	(s) in the	Hood				Basiı	
	¥.					subt	oasin Qu	ad Map: <u>B</u>	rown Creek				
A2. A3.									o October 31	under log			
			Applicant	's Pr	oposed	Propos	sed	Location	Location	n, metes	and boun	ds e a	
Well			A	quifer*	Rate(c	fs) (T	/R-S QQ-Q)	2250' N	N, 1200' E	fr NW cor	S 36		
1 2	WASC	2103	One	Be	edrock	0.069	9 1S/1	1S/12E-14 SW-SE		600' N, 2035' W fr SE cor S 14			
3													
4													
5													
	um, CRB,	Bedrock	•	13				10-13					
													
Well	Well Elev ft msl	First Water ft bls	I II hic	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	
1	600	90	66	7/10/93	150	0-19	0-19	None	None	50	84	Air	
							1	550				 	
											ļ		
Use data	from app	l lication f	or proposed	l wells.		l				1	1	1	
A4.	Comme	ents: W	ell was su	bject of pre				Location	is from Permit	<u>G-12408</u>	, not fro	<u>n</u>	
200000			A-0-10-1										
A5. 🛛	manage (Not all	ment of basin r	ules contai	ater hydraul n such prov	ically conr isions.)	nected to su		are, or	to the developm are not, activ				
													
A6. 🗀	Name o	of admin	istrative ar	rea:,				p(s) an aquif	er limited by an	administ	rative res	trictio	
pp			-162				,			V	ersion: 08/	15/2003	

Applic	ation (J- <u>16266</u>	continued	Date: August	31, 2004							
B. <u>GI</u>	ROUN	D WATE	R AVAILABILITY CONSIDERATION	S, OAR 690-310-130, 400-	<u>010, 410-0070</u>							
B1.	Bas	ed upon av	ailable data, I have determined that ground wa	ter* for the proposed use:								
	a.	period	appropriated, is not over appropriated, or of the proposed use. * This finding is limited ination as prescribed in OAR 690-310-130;									
	b.	will no is limi	ot or will likely be available in the amounts ted to the ground water portion of the injur	requested without injury to priory determination as prescribe	or water rights. * This finding ed in OAR 690-310-130;							
	c.	will not or will likely to be available within the capacity of the ground water resource; or										
	d.	i. L ii. C	The permit should contain condition #(s) The permit should be conditioned as indicate	should contain conditioned as indicated in item 2 below. should contain special condition(s) as indicated in item 3 below;								
B2.	a.		ition to allow ground water production from no									
D2.				_								
	b .		ition to allow ground water production from no									
	c.		tion to allow ground water production only from eservoir between approximately ft	n the ft. below lan	d surface;							
	d.	occur v issuanc Water	econstruction is necessary to accomplish one of with this use and without reconstructing are cited to of the permit until evidence of well reconstruction.	d below. Without reconstruction ction is filed with the Department	on, I recommend withholding ent and approved by the Ground							
		senior wa	injury—as related to water availability—that is iter rights, not within the capacity of the resource	s likely to occur without well re	econstruction (interference w/							
B3.	Gro	und water	availability remarks:									
	_											
	_											
	_											
	_			10								
	27.73			100 P								

ROUND	WA?	TER/SUF	REACE '	WATER C	CONSIDERA	<u>ATIONS,</u>	OAR 690-0	<u> 19-040</u>				
90-09-04	40 (1):	: Evaluatio	n of aqui	fer confinem	ient:							
Well			Aquife	r or Proposec	d Aquifer		C	Confined	Uı	nconfined		
1	Sand	stone of th	ne Dalles	Formation				X				
				_								
Basis for	r aqui	fer confine	ement ev	aluation:]	The water lev	<u>⁄el is above</u>	the level wh	iere first enc	countered in t	he well bore.		
2 20 0	10 (0)											
horizon assume	ntal dist d to be	stance less t	than ¼ mi ally conne	ile from a sur	rface water so	ource that pr	roduce water	from an unco	es. All wells lo onfined aquifer ams located bey	r shall be		
Well	SW #	Su	urface Wa	iter Name	GW Elev ft msl	SW Elev ft msl	Distance (ft)	Hydrau Conne YES NO	ected?	Potential for Subst. Interfer. Assumed?		
1	1	Mill Cre	ank .		534	570	700			YES NO		
20	1	Willi Cr	ek		334	3/0	/00					
	-					+'						
	 	+								 		
	—						1			_ <u> </u>		
	<u> </u>					'						
I.												
vater A	Vailab 040 (4) ed and nent to	Creek, pro above the w bility Basir b): Evaluati l less than b) that surfactate against	n the well ion of stre 1 mile fro ce water se the 1% of	ll(s) are local earn impacts om a surface source, and notes the source of the source.	ound-water he of the well. Ited within: for each well water source, not lower SW sal flow for the	Mill Cr > (that has bee Limit evaluations to we pertinent V	Columbia R en determined that ion to instruction to instruction the street which the street water Availal	at mouth (7 ad or assumed tream rights a cam under eva	70246). I to be hydraul and minimum saluation is tribi	lically stream flows that outary. Compare s not distributed		
	sw	Well <	Qw >	Instream Water	Instream Water	Qw>	80% Natural	Qw > 1% of 80%	Interference	Potential		
Well	#	¼ mile?	5 cfs?	Right ID	Right Q (cfs)	1% ISWR?	Flow (cfs)	Natural Flow?	@ 30 days (%)	Interfer. Assumed?		
												
							L					
										1 1		
										+ + -		
-+	\rightarrow								-	+ +		

Date: August 31, 2004

Version: 08/15/2003

Application G-16266 continued

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?

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.

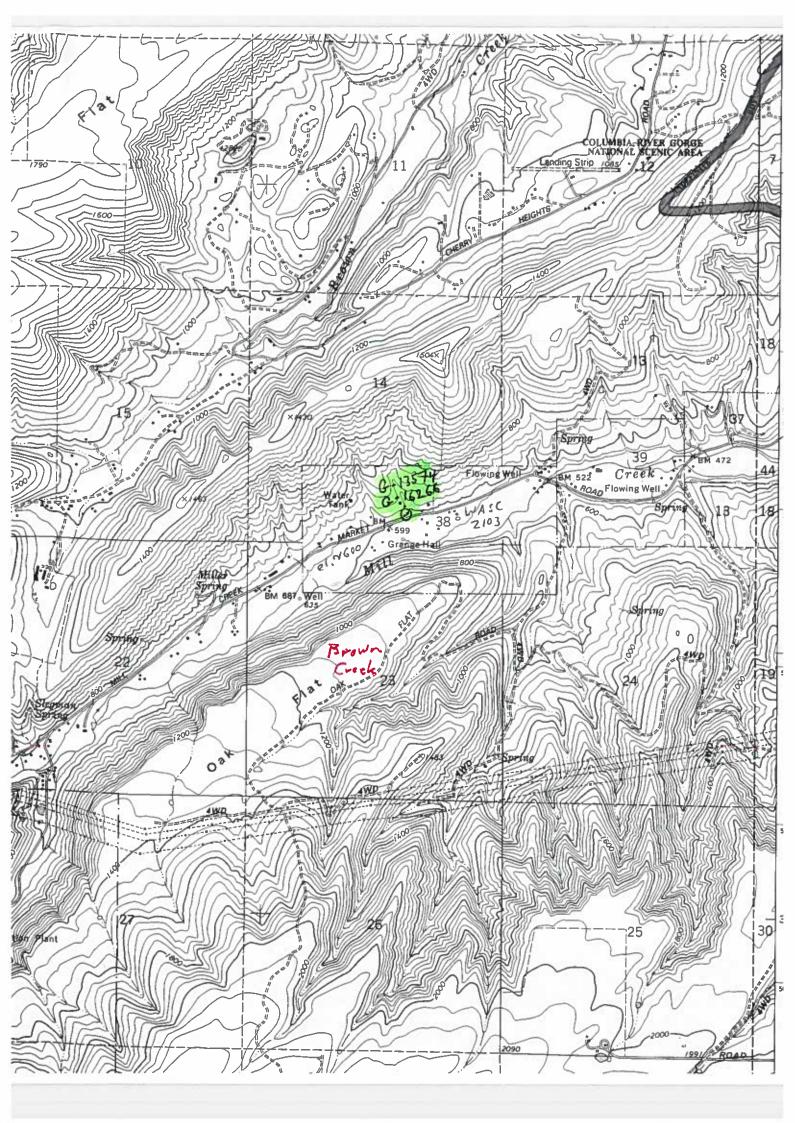
Non-Dist													
Well S	SW#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as	CFS		-										
Interference	e CFS												
Distribut	ed Well	s											
Well	SW#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as	CFS												
Interferenc	e CFS		_										
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as	CFS										1		i
Interference	e CFS												
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as	CFS												
Interference	e CFS		1										
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as	CFS												
Interferenc	e CFS		-								-		
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as											_		
Interference	e CFS												
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as	CFS												
Interferenc	e CFS									1			
(A) = Total	Interf												
$\frac{(A) = 10 \text{m}}{(B) = 80 \%}$													
(C) = 1 % I	Nat. Q												

continued continued	Date: <u>August 31, 2004</u>
 (D) = highlight the checkmark for each month where (A) is greate 	80% exceed. as CFS; (C) = 1% of calculated natural flow at 80% exceed. as er than (C); (E) = total interference divided by 80% flow as percentage.
Basis for impact evaluation: This section does not app	oly.
690-09-040 (5) (b) The potential to impair or detrin Rights Section.	nentally affect the public interest is to be determined by the Wat
☐ If properly conditioned, the surface water source(s) can under this permit can be regulated if it is found to substa i. ☐ The permit should contain condition #(s)	
ii. The permit should contain special condition	(s) as indicated in "Remarks" below;
SW / GW Remarks and Conditions	
	9// 52 200
30,000	
References Used: <u>Previous review of file G-13574; Grou</u> Report 81-1108 by Grady, 1983.	und-Water Resources in the Hood Basin, Oregon, USGS WRI

Appli	plication G-16266continued	Date: <u>August 31, 2004</u>
D. <u>W</u>	WELL CONSTRUCTION, OAR 690-200	
D1.	Well #: Logid:WASC 2103	
D2.	THE WELL does not meet current well construction standards be a. review of the well log; b. field inspection by report of CWRE d. other: (specify)	
D3.	THE WELL construction deficiency: a.	oirs;
D4.	THE WELL construction deficiency is described as follows:	
D5.	THE WELL a. was, or was not constructed according original construction or most recent modified	g to the standards in effect at the time of fication.
	b. 🛛 I don't know if it met standards at the tim	e of construction.
D6.	Route to the Enforcement Section. I recommend withholding issua is filed with the Department and approved by the Enforcement Section	nce of the permit until evidence of well reconstruction and the Ground Water Section.
THIS	IS SECTION TO BE COMPLETED BY ENFORCEMENT PE	RSONNEL
D7.	Well construction deficiency has been corrected by the following action	ons:
	(Enforcement Section Signature)	, 200
D8. [☐ Route to Water Rights Section (attach well reconstruction logs to	this page).
		The state of the s

Water Resources Department

МЕМО					. –	Aing	inst 3	1, 20	004			
TO_ FROM SUBJECT	Applicate GW: Scenic W	Vichel (Revie	Zwawer's Name)		Evalu	ation			£			
Yes No	The source of appropriation is within or above a Scenic Waterway											
Yes No	Use the Scenic Waterway condition (Condition 71)											
PREPONDERANCE OF EVIDENCE FINDING: (Check box only if statement is true) At this time the Department is unable to find that there is a preponderance of evidence that the proposed use of ground water will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway in quantities necessary for recreation, fish and wildlife.												
FLOW REDUCTION: (To be filled out only if <u>Preponderance of Evidence</u> box is not checked) Exercise of this permit is calculated to reduce monthly flows in Scenic Vaterway by the following amounts expressed as a proportion of the consumptive use by which urface water flow is reduced.												
Jan E	Feb Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		



Wells in vicinity of application G 16266 the Application well(s) in this 1/4-1/4 section Well(s) identified in this 1/4-1/4 section from OWRD's well log detabase within 1 mi, radius of application well(s) Conditioned, permitted well(s) in this 1/4-1/4 section within 5 mi. radius of application well(s) Critical GW Area Well(s) identified in this section from DWRD's well log detabase within 1 ms, radius of application well(s) Regulated GW Area OWRD Observation well and well-id within 5 mi, radius of application well(s) Permitted well (s) in this 1/4-1/4 section within 1 mi, radius of application well (s) FREST FARMS Crates Chenceeth Creek Chemiaeth Crack-A 895-903 A 1030 Tourselle Craek 1 3 E 1 S with thee] арр по. G-16266

WELL LOGS WITHIN 1 MILE OF APPLICATION G 16266

ABAND RECONDITION REPAIR	NED:	4 6 2		
CONVERSI	ON:	0		
DEEPENIN	IGS:	18		
NEW CONSTRU	JCT:	248 .		
COMMUNITY	USE:	0		
DOMESTIC	USE:	258		
INDUSTRIAL	USE:	0		
INJECTION	USE:	2		
IRRIGATION	USE:	43		
THERMAL	USE:	2		
LIVESTOCK	USE:	0		
4	****	*****	*****	******

PERMITTED WELLS WITHIN 1 MILE OF APPLICATION G 16266

\$RECNO	APP:	LICATION	PERM	1IT	CLAIM		LOC-QQ		USE_CODE
1	G	7974	G	7404		0	1.00N12.	00E10NESE	IR
1	G	7974	G	7404		0	1.00N12.	00E10NESE	IR
2	G	3607	G	3393		0	1.00N12.	00E12NWSW	IR
3	G	10460	G	9641		0	1.00N12.	00E11SWSE	IR
4	G	10460	G	9641		0	1.00N12.	OOE14NWNE	IR
5	U	603	U	553		0	1.00N12.	00E13NWSW	IR
5	U	734	U	662		0	1.00N12.	00E13NWSW	IR
5	G	1457	G	1367		0	1.00N12.	00E13NWSW	IR
5		0		0		0	1.00N12.	00E13NWSW	DO
5		0		0		0	1.00N12.	00E13NWSW	IR
5		0		0		0	1.00N12.	00E13NWSW	LV
5		0		0		0	1.00N12.	00E13NWSW	DS
5		0		0		0	1.00N12.	00E13NWSW	IR
6	G	9561	G	9492		0	1.00N12.	00E15SESW	IR
7	G	170	G	486		0	1.00N12.	00E13SWSE	IR
8		0		0	GR	3014	1.00N12.	00E23SWNE	IR
9	Ü	10	U	10		0	1.00N12.	00E28NENE	IR
	* *	******	****	*****	*****	* * * * *	* * * * * * * * * * *	and the state of the state of the state of	

NO CONDITIONED WELLS WITHIN 1 MILE OF APPLICATION G 16266

APPLICATION G 16266 FALLS WITHIN THESE QUAD(S)

BROWN CREEK

The following OWRD Groundwater Management Areas are within the map extent:

\$RECNO NAME1 NAME2 SUB-AREA STATUS 1 POMONA PRIEST RAPIDS WITH 2 THE DALLES CRIT 3 THE DALLES THREEMILE RESERVOIR CRIT *****************