### Water Right Conditions Tracking Slip

Groundwater/Hydrology Section

FILE ## \_ G-16925

ROUTED TO: Water Rights

TOWNSHIP/ RANGE-SECTION: 2N/10 E - 23 Lc

CONDITIONS ATTACHED? [1yes [] no REMARKS OR FURTHER INSTRUCTIONS:

Reviewer: Mike Zwart

#### PUBLIC INTEREST REVIEW FOR GROUND WATER APPLICATIONS

TO:		Water	Rights S	ection				Date	e	Novemb	er 5, 200	07	
FROM	:	Groun	nd Water/	Hydrology	Section _		ael Zwart						
SUBJE	CT:	Appli	cation G-	16925			ewer's Name persedes re	eview of		N/A	Date of Re	view(s)	
OAR 69 welfare, to determ	90-310-1 safety ar mine whe	30 (1) T nd heal ether the	The Depart th as descr presumpt	<i>ibed in ORS</i> ion is establ	stresume the 537.525. I	at a propos Department R 690-310-	ed groundw t staff reviev 140 allows t	eater use will w ground wate the proposed agency poli	er app use be	lications us modified	inder OA or condi	R 690-31 tioned to	0-140 meet
A. <u>GE</u> I	NERAL	INFO	RMATIO	<u>ON</u> : A	pplicant's	Name:	Odell San	itary Distri	ct	Co	unty: <u>H</u>	ood Riv	<u>er</u>
A1.	Applica	nt(s) se	ek(s) <u>0.3</u>	342 cfs fro	m <u>one</u>	well(		Hood and Map: H	ood F	liver			_ Basin,
A2. A3.				./Commerc				May 1 to 3					
Well	Log.		Applicant Well #	A	oposed quifer*	Propos Rate(cf	r) (r	Location VR-S QQ-Q)	<b>V</b>	2250' N	i, 1200' E	and bound fr NW cor	S 36
3	поор	30347	1			0.334	0.3342 2N/10E-23 SW-NW			265 1	, 220 E II	74 COI	3 43
5													
* Alluvit	ım, CRB,	Bedrock	ζ		_								
Well	Well Elev ft msl	First Water ft bls	SWL	SWL Date	Well Depth (ft)	Seal Interval (ft)	Casing Intervals (ft)	Liner Intervals (ft)	Or	forations Screens (ft)	Well Yield (gpm)	Draw Down (ft)	Test Type
1	650	180	39	1/24/06	589	0-163	0-175	0-451?	308-	-358?	100	45.4	P
Use data	from app	lication	for proposed	l wells.									
A4. propose	Comme	ents: <u>Pe</u> ily in M	eriod of use	e on applica	Vell was d	eepened (I	100D 5054	n form Q, bu	not cl	ear if the	original		
												_	
							_						
A5. 🛚	manage (Not all	ment of basin r	ules contai	n such provi	isions.)		face water	ules relative t ☐ are, or ⊠	are	not, activa	ated by th	is applica	
A6. 🗌		f admin		, ea:,				np(s) an aquif	er lim	ited by an	administ	rative res	triction.

10-0070
opropriated during any appropriation
rights. * This finding AR 690-310-130;
:
vater resource:
ow land surface;
ow land surface;
ground
oblems that are likely to ommend withholding pproved by the Ground
ction (interference w/
25 is the nearest basal

\_ continued

Date: November 5, 2007

Application G-16925

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

continued

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

Well	Aquifer or Proposed Aquifer	Confined	Unconfined
1	Basalt of the Columbia River Basalt Group		
_			

Basis for aquifer confinement evaluation:	Basalt aquifers are typically confined in this area.							
<u> </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	fer.
1	1	Odell Creek	611	645	150		
1	2	Hood River	611	380	4300		$\boxtimes$
-							

Basis for aquifer hydraulic connection evaluation: <u>Hood River is likely incised into the uppermost water-bearing zone</u> penetrated by this well. The nearby reach od Odell Creek is not incised to the water-bearing zone.

Water Availability Basin the well(s) are located within: <u>ODELL CR > HOOD R - AT MOUTH (30410502); HOOD R > COLUMBIA R - AT RM 0.75 (30410575).</u>

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 < 1/4 mile?	Qw > 5 cfs?	Instream Water Right Right Q ID (cfs)		Qw > 1% ISWR?	80% Natural Flow (cfs)	Qw > 1% of 80% Natural Flow?	Interference @ 30 days (%)	Potential for Subst. Interfer. Assumed?
1	2			30410575	100		591		<25%	
					Nov.		Nov.			

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.

evanuation an	<u>u minutations</u>	appry as	III Cou abov	<u>c.</u>			
sw		Qw>	Instream Water	Instream Water	Qw > 1%	80% Natural	Qw of S

 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: The proposed use here will actually augment streamflows when needed to comply with NPDES permit in May and November.

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.

	istributed												_
Well	SW#	<u>Jan</u>	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q	as CFS												
Interfere	ence CFS		-										
D: 4 "	-4-1337.0												
	outed Well		F-1	Man	<b>A</b>	Mari	T	T1	<b>A</b>	C	0-4	Man	D
Well	SW#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q			-					_					
Interfere	ence CFS												
		%	%	%	%	%	%	<u></u> %	%	%	%	%	%
Well Q													
Interfere	ence CFS												
		%	%	%	%	%	%	%	%	%	%	- %	%
Well Q	as CFS												
Interfere	ence CFS												
_		%	%	%	- %	%	%	%	%	%	%	%	%
Well Q	as CFS												
	ence CFS	_										-	
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q	as CFS			7.0				,,,			,,,		
	ence CFS												
Interier		%	%	%	%	%	%	%	%	%	%	%	%
Well Q	oc CES	70			70	- 70	- 70				70		70
	ence CFS												
interiere	ence CFS												
(A) = To	tal Interf.												_
	% Nat. Q			_									
	% Nat. Q												_
(D) = (A	(C)												
(E) = (A	/ B) x 100	%	%	%	%	%	%	%	%	%	%	%	%

(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.

pplication G-16925continued	Date: November 5, 2007
The state of the s	
Basis for impact evaluation:	
b. 690-09-040 (5) (b) The potential to impair or detrimental Rights Section.	entally affect the public interest is to be determined by the Wat
under this permit can be regulated if it is found to substar	
<ul> <li>i.  The permit should contain condition #(s)</li> <li>ii.  The permit should contain special condition(</li> </ul>	a) as indicated in "Demarks" helevy
ii.   The permit should contain special condition(	s) as indicated in Remarks below,
to maintain safe stream temperatures for fish.	
References Used: <u>Nearby well logs; nearby recent review</u> Grady, 1983; Ground-Water Report #33 by Lite & Grond	ws; Ground-Water Resources in the Hood Basin, Oregon, by
Grant 1700 Grand Water Report #35 by Lite & Ground	

D. <u>V</u>	VEI	L CO	NSTRUC	ΓΙΟΝ, Ο.	AR 690-	<u>200</u>				
D1.		Well #:	1			Logid: _	Н	<u>00</u>	OD 50547	
D2.		a.	review of the field insperience of C	the well log ection by CWRE	5;				tandards based upon:	;
D3.		a.	permits the	s a health the es water from e loss of ar e de-water	nreat under om more t tesian hea ing of one	er Division 2 than one gro ad; or more gr	ound ound	l w	les; ater reservoir; vater reservoirs;	
D4.		THE W	ELL const	ruction d	eficiency	is described	d as f	fol	llows:	
		is filed	to the Enfo with the De	b.	don't kno dection. I	ow if it met so recommend red by the E	r mos stand d with	lar thh	red according to the standards in effect at the time of recent modification.  ds at the time of construction.  nolding issuance of the permit until evidence of well reconstruction ment Section and the Ground Water Section.	on
TH	IS S	ECTIO	ON TO BE	COMPI	LETED	BY ENFO	RCI	E	MENT PERSONNEL	
D7.		Well co	nstruction d	leficiency	nas been o	corrected by	the i	fo	llowing actions:	
			(F., 6	C .:	. C'				, 200	•
D8.		Route	(Enforcem		•	ŕ	onstr	ruc	ction logs to this page).	

Date: November 5, 2007

Application G-16925

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#### WATER RESOURCES DEPARTMENT

MEM	0								ovembe.	<u> </u>	00_7
TO:		Applio	Mike (Re	5- <u>169</u>	25	_					
FRON											
SUBJ	ECT:	Scenic	Water	way Int	terferen	ice Eval	luation				
	_YES _NO _YES _NO		urce of						nic Wat	erway	
	Per OF interfe the De that the	rence wated interest 390.8 rence we partmente propersions.	835, the ith surfaction surface ith surface it unosed use naintain	Ground Gr	er that coributed by the second water are that continued the second seco	ontribut below. Section ontribut at there bly red	is unal es to a s e is a pr uce the	Scenic V ole to ca scenic w reponde surface	Vaterwa lculate : vaterway erance o	ground ground y; there of evide flows	water <b>fore,</b>
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.										S	
Water	way by	the follo	t is calcowing and low is re	nounts			-		e consu		Scenic use by
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec

## DETAILED REPORT ON THE WATER AVAILABILITY CALCULATION Water Availability as of 11/ 5/2007 for HOOD R > COLUMBIA R - AT RM 0.75

Watershed ID #: 30410575 Basin: HOOD Exceedance Level: 80 Time: 13:18 Date: 11/05/2007

Month	Natura1 C	onsumptiv	Expected	Reserved	Instream	Net
	Stream	Use and	Stream	Stream	Require-	Wate
1	Flow	Storage	Flow	F1ow	ments	Availabl
1	797.00	567.00	230.00	182.00	170.00	-122.00
2	946.00	568.00	379.00	202.00	270.00	-93.40
3	980.00	568.00	413.00	180.00	270.00	-37.6
4	1000.00	616.00	384.00	111.00	270.00	3.2
5	1020.00	681.00	339.00	108.00	250.00	-18.5
6	745.00	725.00	20.70	63.90	250.00	-293.0
7	588.00	773.00	-185.00	23.00	250.00	-458.0
8	457.00	734.00	-277.00	16.70	250.00	-544.0
9	438.00	664.00	-226.00	14.60	250.00	-491.0
10	423.00	567.00	-144.00	14.10	220.00	-378.0
11	591.00	567.00	24.30	35.30	100.00	-111.0
12	764.00	567.00	197.00	116.00	170.00	-88.7
or-50%	721000	458600	287000	64000	164000	122000

# DETAILED REPORT OF CONSUMPTIVE USES AND STORAGES Water Availability as of 11/ 5/2007 for HOOD R > COLUMBIA R - AT RM 0.75

Watershed ID #: 30410575 Basin: HOOD Exceedance Level: 80
Time: 13:18 Date: 11/05/2007

Tin	ne: 13:18	3					D	ate: 11	/05/2007
Мо	Storage	Irrig	Munic	Ind/Man	Commer	Domest	Agricul	Other	Total
1	0.23	0.00	32.10	2.96	0.23	2.16	29.40	500.00	567.00
2	0.28	0.00	32.10	2.96	0.23	2.16	29.80	500.00	568.00
3	0.26	0.00	32.10	2.96	0.23	2.16	29.80	500.00	568.00
4	0.20	48.80	32.10	2.96	0.07	2.16	29.80	500.00	616.00
5	0.12	114.00	32.10	2.96	0.07	2.16	29.40	500.00	681.00
6	0.09	157.00	32.60	2.96	0.07	2.16	29.40	500.00	724.00
7	0.06	206.00	32.60	2.96	0.07	2.16	29.40	500.00	773.00
8	0.05	167.00	32.50	2.96	0.07	2.16	29.40	500.00	734.00
9	0.04	96.90	32.50	2.96	0.07	2.16	29.40	500.00	664.00
10	0.04	0.16	32.00	2.96	0.07	2.16	29.40	500.00	567.00
11	0.09	0.00	32.10	2.96	0.07	2.16	29.40	500.00	567.00
12	0.17	0.00	32.10	2.96	0.07	2.16	29.40	500.00	567.00

### DETAILED REPORT OF RESERVATIONS FOR CONSUMPTIVE USE Water Availability as of 11/5/2007 for

		HC	OOD R > CO	LUMBIA R	- AT RM 0	.75		
Watersh	ned ID #:	30410575		Basin: H	OOD	Exc	eedance I	evel: 80
Time:	13:18						Date: 11	/05/2007
			F	Reservatio	ns			
APP #	RN 80401	RN 80402	RN 80403	0	0	0	0	TOTAL
				<b></b>				
Status	Reser.	Reser.	Reser.	1	ŀ	1	1	
Use	Storage	Storage	Storage				1	1
1	39.60	129.00	13.40	0.00	0.00	0.00	0.00	182.00
2	43.10	135.00	24.20	0.00	0.00	0.00	0.00	202.00
3	36.10	121.00	23.00	0.00	0.00	0.00	0.00	180.00
4	0.17	99.80	10.80	0.00	0.00	0.00	0.00	111.00
5	0.00	105.00	3.16	0.00	0.00	0.00	0.00	108.00
6	0.00	62.30	1.56	0.00	0.00	0.00	0.00	63.90
7	0.00	22.20	0.76	0.00	0.00	0.00	0.00	23.00
8	0.00	16.10	0.62	0.00	0.00	0.00	0.00	16.70
9	0.00	13.90	0.68	0.00	0.00	0.00	0.00	14.60
10	0.00	13.10	0.94	0.00	0.00	0.00	0.00	14.00
11	0.00	33.80	1.52	0.00	0.00	0.00	0.00	35.30
12	31.30	81.20	3.36	0.00	0.00	0.00	0.00	116.00
								1

DETAILED REPORT OF INSTREAM REQUIREMENTS Water Availability as of 11/ 5/2007 for HOOD R > COLUMBIA R - AT RM 0.75

2   0.00   45.00   270.00   0.00   0.00   0.00   0.00   27   3   0.00   45.00   270.00   0.00   0.00   0.00   0.00   27   4   0.00   45.00   270.00   0.00   0.00   0.00   0.00   27   5   250.00   45.00   170.00   0.00   0.00   0.00   0.00   25   6   250.00   45.00   170.00   0.00   0.00   0.00   0.00   25	IMUM
Status   Cert.   Cert.   Cert.	IMUM
1   0.00   45.00   170.00   0.00   0.00   0.00   0.00   17 2   0.00   45.00   270.00   0.00   0.00   0.00   0.00   27 3   0.00   45.00   270.00   0.00   0.00   0.00   0.00   27 4   0.00   45.00   270.00   0.00   0.00   0.00   0.00   27 5   250.00   45.00   170.00   0.00   0.00   0.00   0.00   25 6   250.00   45.00   170.00   0.00   0.00   0.00   0.00   25	· <b>-</b>
2     0.00     45.00     270.00     0.00     0.00     0.00     0.00     270.00     0.00     0.00     0.00     0.00     270.00     0.00     0.00     0.00     0.00     0.00     0.00     0.00     270.00     0.00 <td></td>	
3     0.00     45.00     270.00     0.00     0.00     0.00     0.00     0.00     270.00     270.00       4     0.00     45.00     270.00     0.00     0.00     0.00     0.00     0.00     270.00     270.00       5     250.00     45.00     170.00     0.00     0.00     0.00     0.00     0.00     0.00     250.00	0.00
4     0.00     45.00     270.00     0.00     0.00     0.00     0.00     270.00       5     250.00     45.00     170.00     0.00     0.00     0.00     0.00     0.00     25       6     250.00     45.00     170.00     0.00     0.00     0.00     0.00     0.00     25	0.00
5   250.00   45.00   170.00   0.00   0.00   0.00   0.00   25 6   250.00   45.00   170.00   0.00   0.00   0.00   25	0.00
6   250.00   45.00   170.00   0.00   0.00   0.00   25	0.00
	0.00
7 350 001 45 001 130 001 0 001 0 001 0 001 35	0.00
/   250.00  45.00  130.00  0.00  0.00  0.00  25	0.00
8   250.00   45.00   100.00   0.00   0.00   0.00   25	0.00
9   250.00   45.00   100.00   0.00   0.00   0.00   25	0.00
10   220.00   45.00   100.00   0.00   0.00   0.00   22	0.00
11   0.00   45.00   100.00   0.00   0.00   0.00   10	0.00
12   0.00   45.00   170.00   0.00   0.00   0.00   17	0.00

