## Water Right Conditions Tracking Slip

Management Complex
Groundwater/Hydrology Section  FILE ## C-17074  ROUTED TO: Water Rights/Brook TOWNSHIP/ RANGE-SECTION: 65/21E-33 be
CONDITIONS ATTACHED? [Yyes [] no REMARKS OR FURTHER INSTRUCTIONS:
Reviewer: Mike Zuat

#### PUBLIC INTEREST REVIEW FOR GROUND WATER APPLICATIONS TO: Water Rights Section Date <u>October 15, 2008</u> Ground Water/Hydrology Section Mike Zwart FROM: Reviewer's Name Application G- 17074 Supersedes review of SUBJECT: Date of Review(s) PUBLIC INTEREST PRESUMPTION; GROUNDWATER OAR 690-310-130 (1) The Department shall presume that a proposed groundwater use will ensure the preservation of the public welfare, safety and health as described in ORS 537.525. Department staff review ground water applications under OAR 690-310-140 to determine whether the presumption is established. OAR 690-310-140 allows the proposed use be modified or conditioned to meet the presumption criteria. This review is based upon available information and agency policies in place at the time of evaluation. A. GENERAL INFORMATION: Applicant's Name: Mike Hughes/Fossil Charter Sch./Wheeler High Sch. County: Wheeler Applicant(s) seek(s) 0.11 cfs from 1 well(s) in the Columbia A1. Quad Map: Fossil North John Day subbasin Proposed use: <u>Irrigation, 2.6 acres</u> <u>Seasonality: April 1 – October 31</u> A2. Well and aquifer data (attach and number logs for existing wells; mark proposed wells as such under logid): A3. Applicant's Proposed Location Location, metes and bounds, e.g. Logid Proposed Aquifer\* Well 2250' N, 1200' E fr NW cor S 36 Well# Rate(cfs) (T/R-S QQ-Q) WHEE 50357 Bedrock 0.11 6S/21E-33 SW-NW 665' N, 275' E fr SW cor NW1/4 S 33 1 1 2 3 4 5 Alluvium, CRB, Bedrock Well Well Well Seal Casing Liner Perforations Draw First SWL **SWL** Test Well Elev Water Depth Interval Intervals Intervals Or Screens Yield Down ft bls Date Type ft msl ft bls (ft) (ft) (ft) (ft) (ft) (gpm) (ft) 2700 65 14 5/22/08 230 0-18.5 -1.5-18.5 15-215 155-215 N/A A Use data from application for proposed wells. A4. Comments: \_\_\_\_\_ Basin rules relative to the development, classification and/or A5. Provisions of the John Day management of ground water hydraulically connected to surface water $\square$ are, or $\bowtie$ are not, activated by this application. (Not all basin rules contain such provisions.) Comments: \_\_\_\_\_

Well(s) # \_\_\_\_\_, \_\_\_\_, \_\_\_\_, tap(s) an aquifer limited by an administrative restriction. Name of administrative area: \_\_\_\_\_\_

Comments:

Version: 08/15/2003

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Date: October 15, 2008	Data.	October	15 2008	

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# B. GROUND WATER AVAILABILITY CONSIDERATIONS, OAR 690-310-130, 400-010, 410-0070

continued

Application: G- 17074

Base	ed upon available data, I have determined that ground water* for the proposed use:
a.	is over appropriated, ☐ is not over appropriated, or ☒ 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.	□ will not or ⋈ will likely be available in the amounts requested without injury to prior water rights. * This finding 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)7E
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):
Gra	ound water availability remarks: There are no reasonably close State Observation Wells near Fossil.
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pplication: C	i- <u>1</u>	7074	_ contin	ued			1	Date: C	Octob	er 15, 2008		3
. GROUND	WA	FER/SUR	FACE V	WATER C	ONSIDER.	<u>ATIONS,</u>	OAR 690-	<u>09-040</u>				
1. <b>690-09-0</b>	40 (1):	Evaluation	n of aquif	er confineme	ent:							
Well			Aguife	r or Propose	d Aguifer			Confine	i	J	Jncon	fined
1	F	Regional m			stic rocks an	d andesite		$\boxtimes$				]
		flows (T	ca); Rob	inson maps	this as Cları	10 (Tcl)						]
												]
						. —					<u>-                                    </u>	<u> </u>
Basis fo	r aqui	fer confine	ment eva	luation: 1	he static wa	ter level is	well above	the dep	th of	the targeted	wate	r-bearing
horizor assume	ital dist	tance less th	han ¼ mi Illy conne	le from a sur	face water so	ource that pr	oduce water	from a	n unc	es. All wells onfined aquif	er sha	ill be
					GW	SW	-	,	Ivdrai	ulically	1	otential for
Well	SW #	Sur	face Water	Name	Elev	Elev	Distance (ft)		Conn	ected?	1	bst. Interfer. Assumed?
	"				ft msl	ft msl	(11)	YES	NO	ASSUMED	1	YES NO
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Well	SW #	Well < //> ¼ mile?	Qw > 5 cfs?	Instream Water Right	Instream Water Right Q	Qw > 1%	80% Natural Flow	Qw	> 1% 80% ural	Interference @ 30 days	e	Potential for Subst. Interfer.
			- 4.51	ID	(cfs)	ISWR?	(cfs)		w?	(%)		Assumed?
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			- -			<del>                                     </del>						
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Application: G- 17074 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

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.

V#	Jan	Feb										
	0.7		Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	%	%	%	%	%	%	%	%	%	%	%	%
FS												
CFS							_					
Wells						·						
W#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	%	%	%	%	%	%	%	%	%	%	%	%
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CFS												
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FS	- 70			7.0	7.0	70			- /0			
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C. S	%	%	0/0	%	9/0	0/0	- %	0/0	0/0	0/0	0/2	%
FS	-/6		70		70	70			-/0	70		
						-			-			
CIS	9/	0/-	0/-	0/-	0/-	0/-	0/-	0/_	9/	9/	0/	%
E6	- /6		70	70		70			/0	70	70	70
	-					-		_	-			
CIS	9/.	0/	0/.	0/	0/.	0/.	0/	0/	9/	9/	9/	%
EC	/6	/0	/6	/0	70	70		70	/0	70		70
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(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.

cation: G- 17074	continued	Date: October 15, 2008
		CHAIR THE
690-09-040 (5) (b) T Rights Section.	he potential to impair or detrimenta	ally affect the public interest is to be determined by the W
under this permit can be i. The permit	e regulated if it is found to substantial t should contain condition #(s)	
ii. The permi	t should contain special condition(s) a	s indicated in "Remarks" below;
W / GW Remarks and C	onditions:	
eferences Used: Local	well logs; review of file G-17009; R	econ. Geologic Map of the John Day Fm. in the SW Part
ie Blue Miths, and Adjac	ent Areas, N-C Oregon, by Paul T.	Robinson, 1975, USGS Map 1-872.

App	cation: G- 17074 continued Date: October 15, 2008	6
D. <u>V</u>	ELL CONSTRUCTION, OAR 690-200	
D1.	Well #: Logid: WHEE 50357	_
D2.	THE WELL does not meet current well construction standards based upon:  a. review of the well log;  b. field inspection by	;
D3.	THE WELL construction deficiency:  a.	
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.  b. □ I don't know if it met standards at the time of construction.	
D6.	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.	1
TH	SECTION TO BE COMPLETED BY ENFORCEMENT PERSONNEL	_
D7.	Well construction deficiency has been corrected by the following actions:	
	, 200	
	(Enforcement Section Signature)	
D8.	Route to Water Rights Section (attach well reconstruction logs to this page).	

#### BUTTE CR> JOHN DAY R- AT MOUTH JOHN DAY BASIN

Water Availability as of 10/13/2008

Watershed ID #: 30620409

Exceedance Level:

Date: 10/13/2008 Time: 11:26 PM

Water Availability Calculation | Consumptive Uses and Storages | Instream Requirements | Reservations |

Water Rights | Watershed Characteristics |

# **Water Availability Calculation**

Monthly Streamflows in Cubic Feet per Second Storage at 50% Exceedance in Acre-Feet

		Children Co. Co.			The state of the s	
Month	Natural Stream Flow	Consumptive Use and Storage	Expected Stream Flow	Reserved Stream Flow	Instream Requirement	Net Water Available
Jan	4.86	0.11	4.75	0.00	0.00	4.75
Feb	7.42	0.14	7.28	0.00	0.00	7.28
Mar	13.50	0.80	12.70	0.00	0.00	12.70
Apr	11.30	3.06	8.24	0.00	0.00	8.24
May	7.15	7.59	-0.44	0.00	0.00	-0.44
Jun	5.09	6.20	-1.11	0.00	0.00	-1.11
Jul	2.55	2.17	0.38	0.00	0.00	0.38
Aug	1.48	0.95	0.53	0.00	0.00	0.53
Sep	1.50	0.56	0.94	0.00	0.00	0.94
Oct	1.87	0.28	1.59	0.00	0.00	1.59
Nov	2.81	0.10	2.72	0.00	0.00	2.72
Dec	3.79	0.10	3.69	0.00	0.00	3.69
Storage Acre-Feet at 50%	7,750.00	1,340.00	6,410.00	0.00	0.00	6,410.00

### WATER RESOURCES DEPARTMENT

MEM	Ю							Oct	ober	15,	200 8
TO:	M:		cation (		74 2 2 Vame)	1					
SUBJ	ECT:	Scenic	(Re Water	eviewer's N way In	<sub>lame)</sub> terfere	nce Eva	luation				
/	_YES _NO	The so	ource of	approp	riation i	s within	or abov	ve a Sce	enic Wa	terway	
/	_YES _NO	Use th	e Scenie	c Water	way coi	ndition (	(Conditi	on 7J)			
	interfe	rence w	ith surf	ace wat		ontribu			ulate gr Waterw		
V	interfe the De that th	rence w epartmo ne prop	rith surf ent is un osed us	ace wat	er that confind the neasura	contribunat ther bly red	tes to a re is a produce the	scenic v repond surfac	alculate waterwa erance e water enic wat	y; there of evide flows	efore, ence
Calcula calcula informi	RIBUTION THE STATE OF THE STATE	rcentage riteria in Rights th	of consun 390.835, at the De	nptive us do not fi partmen	e by moni Il in the t t is unabl	able but o e to make	check the a Prepor	"unable nderance	" option a of Evider	above, thu nce findin	is ig.
Water which	ise of the way by surface	the followater f	owing a low is r	mounts educed.	express	e monti sed as a	proporti	ion of the	he consu	umptive	use by
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec