Application for a Permit to Use

Ground Water



Oregon Water Resources Department 725 Summer Street NE, Suite A Salem, Oregon 97301-1266 (503) 986-0900 www.wrd.state.or.us

SECTION 1: APPLICANT INFORMATION AND SIGNATURE

Applicant Information				
NAME SEE ORGANIZATIONAL INFORMATION BELOW				PHONE (HM)
PHONE (WK)	CEI	LL		FAX
ADDRESS				
CITY	STATE	ZIP	E-MAIL	
Organization Information				
NAME LAPINE WATER DISTRICT, C/O DONNA ZIGLER	,		PHONE 541-536-3281	FAX
ADDRESS P.O. Box 2460			341-330-3281	541-536-8003 CELL
CITY	STATE	ZIP	E-MAIL	<u> </u>
LaPine	OR	97739	DONNA ZIGLER - LA PINE	WATER DISTRICT
			[LAPINEWATER@BENDNET	Г.СОМ]
A mont Information The accept is such asimal			-1:	An Abin month sating
Agent Information – The agent is authorized AGENT / BUSINESS NAME	to repre	sent the app	PHONE PHONE	FAX
NEWTON CONSULTANTS, INC., C/O JAMES NEV	VTON		541-504-9960 EXT. 235	541-504-9961
ADDRESS 521 SW 6 TH STREET, SUITE 100				CELL
CITY	STATE	ZIP	E-MAIL	
REDMOND	OR	97756	JNEWTON@NEWTONCONSU	LTANTS.COM
 By my signature below I confirm that I I am asking to use water specification will Evaluation of this application will I cannot use water legally until the Oregon law requires that a permit the use is exempt. Acceptance of If I get a permit, I must not wasted If development of the water use is The water use must be compatibled Even if the Department issues a part to get water to which they are entited. 	ally as d I be base the Water this app water. s not acce e with lo bermit, I	escribed in ed on infor- Resource ed before blication do cording to ocal comprised	rmation provided in the ap is Department issues a peri- beginning construction of oes not guarantee a permit the terms of the permit, the rehensive land-use plans. to stop using water to allo	mit. any proposed well, unless will be issued. the permit can be cancelled. bow senior water-right holders
I (we) affirm that the information	Prin	arbe Al t Name and tit	un Ne Ison-Dadson le if applicable	Date RECEIVED
Applicant Signature	Prin	t Name and til	le if applicable	Date SEP 1 8 2010
	F	or Departm	entUse	WATER RESOURCES DEF SALEM, DRECON
App. No. <u>G-13422</u>		it No.	Date	

SECTION 2: PROPERTY OWNERSHIP

Please indiconveyed,	icate if you own all the lands associated and used.	with the project from which	th the water is to be diverted,
□ Yes	There are no encumbrances. This land is encumbered by easements,	rights of way, roads or ot	her encumbrances.
	I have a recorded easement or written a I do not currently have written authorization or an easement is own are state-owned submersible land use only (ORS 274.040). Water is to be diverted, conveyed, and	ration or easement permitti s not necessary, because the s, and this application is for	ing access. le only affected lands I do not or irrigation and/or domestic
List the na	mes and mailing addresses of all affecte	d landowners (attach addi	tional sheets if necessary).
This appli	cation is for quasi-municipal use and ow	nership of all lands within	the service area is not
required.	See attached Figures 1 & 2 for the quasi	-municipal service area.	
SECTION	N 3: WELL DEVELOPMENT	IF LESS ?	THAN 1 MILE:
WELL NO.	NAME OF NEAREST SURFACE WATER	DISTANCE TO NEAREST SURFACE WATER	ELEVATION CHANGE BETWEEN NEAREST SURFACE WATER AND WELL HEAD
Well 1	Deschutes River	> than one mile west	N/A
Well 2	Deschutes River	> than one mile west	N/A
your appli attached w	evide any information for your existing of cation. For existing wells, describe any yell log or other materials (attach addition ed Figures 2 & 3 for identified location of the cation	previous alteration(s) or re onal sheets if necessary).	
			Later Milat Alba Filip in the
			RECEN

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SECTION 3: WELL DEVELOPMENT, CONTINUED

Source (aquifer), if known: _	Basalt within the La Pine	Sub-basin of the Upper Deschutes Basin Regional Aquifer
Total maximum rate requeste volumes in the table below).	d: <u>1.4 cfs</u>	(each well will be evaluated at the maximum rate unless you indicate well-specific rates and annual

Complete the table below. If this is an existing well, the following information may be found on the applicable well log. (If a well log is available, please submit it in addition to completing the table.) If this is a proposed well, or well-modification, consider consulting with a licensed well driller, geologist, or certified water right examiner.

										PROPOSED USE			
OWNER'S WELL NAME OR NO.	PROPOSED	EXISTING	WELL ID (WELL TAG) NO.* OR WELL LOG	FLOWING ARTESIAN	CASING DIAMETER	CASING INTERVALS (IN FEET)	PERFORATED OR SCREENED INTERVALS (IN FEET)	SEAL INTERVALS (IN FEET)	MOST RECENT STATIC WATER LEVEL & DATE (IN FEET)	SOURCE AQUIFER***	TOTAL WELL DEPTH	WELL- SPECIFIC RATE (GPM)	ANNUAL VOLUME (ACRE-FEET)
Well 1		\boxtimes	DESC 54968		12"	4'-151'	154'-251'	0-129'	116' 8/30/02	Basalt	251	1300	1013
Well 2		\boxtimes	DESC 55049		12"	4'-158'	159'-254'	0-158'	118' 10/03/02	Basalt	255	1300	1013
									•				
			×										
			AIER S										
			3 2010 3 FCES D										

^{*} Licensed drillers are required to attach a Department-supplied Well Tag, with a unique Well ID or Well Tag Number to all new or newly altered wells. Landowners can request a Well ID for existing wells that do not have one. The Well ID is intended to serve as a unique identification number for each well.

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^{**} A well log ID (e.g. MARI 1234) is assigned by the Department to each log in the agency's well log database. A separate well log is required for each subsequent alteration of the well.

^{***} Source aquifer examples: Troutdale Formation, gravel and sand, alluvium, basalt, bedrock, etc.

SECTION 4: WATER USE

USE	PERIOD OF USE	ANNUAL VOLUME (ACRE-FEET)
Quasi-municipal	January 1 through December 31	1013
Exempt Uses: Please note t	hat 15,000 gallons per day for single or group do	mestic nurnoses and 5 000 gallons per
•	or commercial purpose are exempt from permitti	
For irrigation use only: N/Please indicate the number of	A of primary and supplemental acres to be irrigated	(must match map).
Primary: Acres	Supplemental: Acres	
List the Permit or Certificate	e number of the underlying primary water right(s):
Indicate the maximum total	number of acre-feet you expect to use in an irrig	ation season:
If the use is municipal	or quasi-municipal, attach Form M	
-	ndicate the number of households:	
	scribe what is being mined and the method(s) of	
SECTION 5: WATER MA	NAGEMENT	
A. Diversion and Convey What equipment will yo	ance ou use to pump water from your well(s)?	
☑ Pump (give horsepov	wer and type): Both wells have Goulds Model DV	WT 40 hp pumps
☐ Other means (describ	be):	
works and conveyance reservoir near the wells of distribution pipelines	f the proposed means of diversion, construction, a of water. Included in the existing system under 1, one 250,000 gallon reservoir plus booster pumps ranging in size from 6" to 16" in size. The Distriction of the system. The smaller reservoir is used on the system.	Γ-9241 are 2 wells, one 1.2 MG station, and more than 12 miles ict primarily utilizes the 1.2 MG
	ethod of application will be used? (e.g., drip, who is distributed to customers through underground	

C. Conservation

Please describe why the amount of water requested is needed and measures you propose to: prevent RESOUTICES DEPT waste; measure the amount of water diverted; prevent damage to aquatic life and riparian habitat; prevent OREGON the discharge of contaminated water to a surface stream; prevent adverse impact to public uses of affected surface waters.

LaPine Water District will need additional water rights to provide for future projected growth and demand. Current water usage for the District averages 77 gallons per capita per day, which is fairly low.

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SECTION 6: STORAGE OF GROUND WATER IN A RESERVOIR

Reservoir name:	N/A	Acreage inundated by reservoir:	
Use(s):			
Volume of Reservoir	(acre-feet):	_ Dam height (feet, if excavated, write "zero"):	_
	-	al to 10.0' above land surface AND the reservoir will store 9.2 ac approved prior to storage of water.	re feet or more,
SECTION 7: USE O	F STORED GROUN	ND WATER FROM THE RESERVOIR	
lf you would like to us reproduce this section	_	er from the reservoir, complete this section (if more than one	reservoir,
Annual volume (acre-	feet):N/A		
USE OF STORE	ED GROUND WATE	PERIOD OF USE	
N/A	· · · · · · · · · · · · · · · · · · ·		<u></u>
SECTION 8: PROJI		002	
		25, 2004	RECEIVED
	•	n approval by OWRD	SEP 1 3 2010
SECTION 9: REMA	RKS	TAW	ER RESOURCES DEPT SALEM. OREGON
Use this space to clari	fy any information yo	ou have provided in the application (attach additional sheets	if necessary).
There are two reservo	oirs as noted above, on	ne 1.2 MG and one 250,000 gallons. Water from these storage	<u>ge</u>
tanks has a fairly quic	k turnover rate and is	s distributed into the District delivery system and does not	_ <u>.</u> .
require a permit for st	orage.		
NOTE: There is a sep	arate permit, G-12545	5, in the name of LaPine Special Sewer District that includes	<u>s</u>
two shallow (~50') w	ells (OWRD well logs	s DESC 8116 and DESC 10255). The permit to operate thes	e two
wells is for 0.22 cfs to	o irrigate 75 acres and	d is not directly related to this application.	

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Request for Water		
A. Discuss the reason(s) for your request for addition (e.g. loss of current supply, peak demand, growth, or other		
The LaPine Water District is applying for an add growth and demand due to the development i demands is difficult to predict, however in gen	in the area. Exact future projection of water	
B. How long is the amount of water requested in this	s application expected to meet future needs?	
(e.g. until the year 2040) 2026		
C. Briefly discuss operation of water system and the	most constraining component of the system:	
Much of the District's water system was construed wells, one 1.2MG reservoir near the wells, one 2 station, and more than 12 miles of distribution size. The most constraining component of the	250,000 gallon reservoir with a booster pump pipelines ranging in size from 6" to 16" in	
D. Percentage of water use by type:		
Residential: 37	Commercial: 58	
Public Authority: 4	Agricultural:	
Unaccounted for use:		
Other (specify use):		
	ombination of supply options. This should include water ads with low-flow types. (Attach documentation, as availd	able.)
See note in section F.]
F. How and by how much will your proposed water (Express as a percentage of per-capita consumption.)	use efficiency programs increase efficiency?	
The District's water consumption is fairly low as District was formed and organized recently in 2 program.		
Piogram	8	ecewep
	•	
		SEP 1 3 2010
		H RESQUECES DEPT
	Last revision: Mar	ALEM OREGON



Oregon Water Resources Department

FORM M

FOR MUNICIPAL AND QUASI MUNICIPAL WATER SUPPLIES

Unless otherwise noted, water use information should be in acre-feet per year (AFY).

1 acre-foot is equal to 325,851 gallons.

turne or water supplie	r:LaPine Water District		
Name and size of area in square miles)	to be served: LaPine Water District	Limits, approximately 1.25	square miles
Present population of Contact county planning st	Service area: ⁹⁵⁰ (2007) based on data fro	m Portland State University Pop. Re	esearch Center for LaPine
	n 20 years: 3170 projected values in		
Cite source and year. For ex opulation values ist present water right	ample: "20,595 Based upon 1995 Portland S were obtained from March is and permits held:	tate University projections.") 2009 Water System	Capital Facilities
Date of Issuance:	Natural Source of Water:	Amount Permitted:	Utilization:
T-9241 - 03/07/09	2 groundwater wells	2.23 cfs	Quasi-Municipal
Water Use			
Water Use	1 - 270	2007	
Average yearly demar		Year: <u>200</u> 7	
Average yearly demar Per-capita daily cor	nsumption (in gallons): 77		laily values.)
Average yearly demar Per-capita daily cor (Divide average annual	nsumption (in gallons): 77 water sales by population to arrive at consur	nption, then divide by 365 to get d	
Average yearly deman Per-capita daily cor (Divide average annual Peak season (by mon	nsumption (in gallons): 77 water sales by population to arrive at consumption (10/31 to 10/31		
Peak season (by mor	nsumption (in gallons): 77 water sales by population to arrive at consumption (but he day): 04/01 to 10/31 To apita daily consumption: 2.76	nption, then divide by 365 to get d otal peak season demand:	
Average yearly demand Per-capita daily conglished (Divide average annual Peak season (by more Peak season per-capital peak season)	nsumption (in gallons): 77 water sales by population to arrive at consumption to 10/31	nption, then divide by 365 to get d otal peak season demand:	
Per-capita daily cor (Divide average annual Peak season (by mor Peak season per-c (Divide total peak seaso	nsumption (in gallons): 77 water sales by population to arrive at consumption to 10/31 apita daily consumption: 2.76 in demand by population and the number of decre	nption, then divide by 365 to get d otal peak season demand:	
Average yearly demand Per-capita daily conglished (Divide average annual Peak season (by more Peak season per-capital peak season)	nsumption (in gallons): 77 water sales by population to arrive at consumption to 10/31 apita daily consumption: 2.76 In demand by population and the number of defer: 13 ac-ft	nption, then divide by 365 to get d otal peak season demand:	
Per-capita daily cor (Divide average annual Peak season (by mor Peak season per-c (Divide total peak season Annual amount of wate Produced: 101	nsumption (in gallons): 77 water sales by population to arrive at consumption (in gallons): 04/01 apita daily consumption: 2.76 in demand by population and the number of defer: 13 ac-ft ped)	nption, then divide by 365 to get d otal peak season demand:	
Per-capita daily cor (Divide average annual Peak season (by more Peak season per-capital peak season (Divide total peak season Annual amount of wate Produced: 101 (diverted or pum	nsumption (in gallons): 77 water sales by population to arrive at consumption (in gallons): 04/01 to 10/31 To apita daily consumption: 2.76 In demand by population and the number of decr: 13 ac-ft 13 ac-ft	nption, then divide by 365 to get d otal peak season demand:	

ATTACHMENT FOR LAND USE INFORMATION FORM

LAPINE WATER DISTRICT, GROUNDWATER APPICATION

A. Land and Location

Township	Range	Section	1/4 1/4	Tax Lot#	Plan Designation	Water to be:	Proposed Land Use:
21 S	10 E	36	ALL NE			☐ Diverted ☑ Conveyed ☑ Used	QM
21 S	10 E	36	SE SW			☐ Diverted ☐ Conveyed ☐ Used	QM
21 S	10 E	36	ALL SE			☐ Diverted ☑ Conveyed ☑ Used	QM
22 S	10 E	1	NW NE			☐ Diverted ☑ Conveyed ☑ Used	QM
22 S	10 E	1	ALL NW			☐ Diverted ☑ Conveyed ☑ Used	QM
22 S	10 E	1	W 1/2 SW			☐ Diverted ☑ Conveyed ☑ Used	QM
22 S	10 E	2	E ½ NE			☐ Diverted ☑ Conveyed ☑ Used	QM
22 S	10 E	2	SE SW			☐ Diverted ☑ Conveyed ☑ Used	QM
22 S	10 E	2	ALL SE			☐ Diverted ☑ Conveyed ☑ Used	QM
22 S	10 E	10	E 1/2 SE			☐ Diverted ☑ Conveyed ☑ Used	QM
22 S	10 E	11	ALL NE	_		☐ Diverted ☑ Conveyed ☑ Used	QM
22 S	10 E	11	ALL NW			☐ Diverted ☑ Conveyed ☑ Used	QM
22 S	10 E	11	ALL SW			☐ Diverted ☑ Conveyed ☑ Used	QM
22 S	10 E	11	ALL SE			☐ Diverted ☑ Conveyed ☑ Used	QM
22 S	10 E	12	ALL NW			☐ Diverted ☑ Conveyed ☑ Used	QM
22 S	10 E	12	W 1/2 SW			☐ Diverted ☑ Conveyed ☑ Used	QM
22 S	10 E	13	W 1/2 NW			☐ Diverted ☑ Conveyed ☑ Used	QM
22 S	10 E	13	W 1/2 SW			☐ Diverted ☑ Conveyed ☑ Used	QM
22 S	10 E	14	ALL NE	_		☐ Diverted ☑ Conveyed ☑ Used	QM
22 S	10 E	14	ALL NW			☐ Diverted ☑ Conveyed ☑ Used	QM
22 S	10 E	14	ALL SW		_	☐ Diverted ☑ Conveyed ☑ Used	QM
22 S	10 E	14	ALL SE			☐ Diverted ☑ Conveyed ☑ Used	QM
22 S	10 E	15	E ½ NE			☐ Diverted ☑ Conveyed ☑ Used	QM
22 S	10 E	15	NE SE			☐ Diverted ☑ Conveyed ☑ Used	QM
22S	11 E	18	NW SE		_	☑ Diverted ☑ Conveyed ☐ Used	QM
22S	11 E	18	NW SE			☑ Diverted ☑ Conveyed ☐ Used	· QM
_							AFC

SEP 1 3 2010

WATER RESOURCES DEPT SALEM OREGON

Herb Mosgar

From:

info@lapinesewer.org

Sent:

Tuesday, September 14, 2010 9:09 AM

To:

Herb Mosgar

Subject: G17422 - La Pine Water District

Hi Herb,

BarbeAnn Nelson-Dodson is the President of the La Pine Water District Board of Commissioners, therefore is the person designated to sign any documents related to the District.

Please do not hesitate to contact me if you should have any further questions.

Thanks!

Donna Zigler
La Pine Water District
La Pine Special Sewer District
541-536-3281 office
541-536-8003 fax
541-420-1705 cell
www.lapinewater.org
www.lapinesewer.org

-1745r

Receipt for Request for Land Use Information

Applicant name: La Pine Water District

City or County: Deschutes County Staff contact: Cynthia Smidt

Signature: Phone: 541-317-3150 Date: 9-3-10

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WATER RESOURCES DEPT SALEM OREGON

For Local Government Use Only

The following section must be completed by a planning official from each county and city listed unless the project will be located entirely within the city limits. In that case, only the city planning agency must complete this form. This deals only with the local land-use plan. Do not include approval for activities such as building or grading permits.

Please Check the appropriate box beig	ow and provide the requested	<u>i iiiiOiiiia</u>	<u>uon</u>
☐ Land uses to be served by the proposed water regulated by your comprehensive plan. Cite a	uses (including proposed construction pplicable ordinance section(s):	n) are allowe	ed outright or are not
☐ Land uses to be served by the proposed water approvals as listed in the table below. (Please already been obtained. Record of Action/land have been obtained but all appeal periods here.)	attach documentation of applicable la l-use decision and accompanying find	nd-use appr ings are suf	ovals which have
Type of Land-Use Approval Needed (e.g., plan amendments, rezones, conditional-use permits, etc.)	Cite Most Significant, Applicable Plan Policies & Ordinance Section References	La	nd-Use Approval:
		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued
		Obtained Denied	☐ Being Pursued ☐ Not Being Pursued
		Obtained Denied	☐ Being Pursued ☐ Not Being Pursued
		Obtained Denied	☐ Being Pursued ☐ Not Being Pursued
		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued
Name:	Title:		
Signature:			
Government Entity:			
Note to local government representative: Plea you sign the receipt, you will have 30 days from			ad notions it to the applicant. If
comprehensive plans.	the Water Resources Department's no e land use associated with the propose	tice date to d use of wat	return the completed Land er is compatible with local
comprehensive plans.	the Water Resources Department's no	tice date to d use of wat	return the completed Land er is compatible with local
comprehensive plans.	the Water Resources Department's not learn use associated with the propose Request for Land Use Inform	tice date to d use of wat mation	return the completed Land er is compatible with local
comprehensive plans. Receipt for R	the Water Resources Department's note land use associated with the propose Request for Land Use Information Staff contact:	tice date to d use of wat mation	return the completed Land er is compatible with local SEP 1 3 2010

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Land Use

Information Form



Oregon Water Resources Department 725 Summer Street NE, Suite A Salem, Oregon 97301-1266 (503) 986-0900 www.wrd.state.or.us

		ater Distric	First			Last				
failing Add	dress:P.	O. Box 246	<u>60</u>							
<u>Lal</u>	Pine City			OR_ State	97739 Zip	Daytime Ph	none: <u>541-5</u>	36-3281		
A. Land a	nd Loca	ition								
Please inclu transported	de the follo), and/or u	owing infor sed or deve	loped. Ap	plicants for	s where water will be d municipal use, or irrig es for the tax-lot inform	ation uses w	ithin irrigatio			
Township	Range	Section	1/4 1/4	Tax Lot#	Plan Designation (e.g., Rural Residential/RR-5)		Water to be:		Proposed Land Use:	
See attache	ed table.					Diverted	Conveyed	Used		
						Diverted	Conveyed	Used		
						Diverted	Conveyed	Used		
						☐ Diverted	Conveyed	Used		
B. Descri	ntion of	Dronosa	d Hea					WATER F	P 1 3 20 ESOUTICE EM, 05 EO	
Γype of app ⊠ Permit to □ Limited V	lication to Use or Stor Vater Use L	be filed wi e Water icense	th the Wa	Right Transfe tion of Conse	rved Water	ge of Water	r Ground Wate			
Source of w				Ground Wat					-	
Estimated q	•				\(\overline{\o		gallons per			
Intended use		☐ Irriga ☐ Muni		Commerc Quasi-Mu			Oomestic for Other	hous	sehold(s)	
Briefly desc		iot io anni	vina fa	0 00111 0000	ndustan namelt ta	agt in anger:				
demand b	ased on f	uture grov	vth in the	area and n	Indwater permit to mo neet their long term v oducing water under	vater projec	tion need. T		et plans	

See bottom of Page 3. \rightarrow

representative sign the receipt at the bottom of the next page and include it with the application filed with the Water Resources

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Department.

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