



Water Resources Program

Application for a Water Right Permit

For Ecology Use
(Date Stamp)

'15 OCT -7 8:53

Follow the attached instructions. Attach additional sheets as necessary.

- GROUND WATER SURFACE WATER
 PERMANENT SHORT TERM TEMPORARY
 DROUGHT



***A NON-REFUNDABLE MINIMUM FEE OF \$50.00 MUST ACCOMPANY THIS APPLICATION.**

Section 1. APPLICANT

Applicant/Business Name: John Addink, Silver Spur Development	Phone No: 971-780-3078	Other No: 951-202-0763
Address: 2900 Adams Street, Suite C120		
City: Riverside	State: CA	Zip: 92504
Email Address (optional): jwaddink@charter.net		

Contact Name (if different from above): Gene St.Godard, WNR Group	Phone No: 509-953-9395	Other No:
Relationship to Applicant: Water Right Consultant		
Address: PO Box 28755		
City: Spokane	State: WA	Zip: 99228
Email Address (optional): wnrgroup@comcast.net		

Legal Land Owner or Part Owner Name of the Proposed Place of Use: Silver Spur North Ranch (SSNR) Water Sytem	Phone No:	Other No:
Address:		
City:	State:	Zip:
Email Address (optional):		

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Signatures are required. See page 7.

For Ecology Use	APPLICATION NO: <u>64-33162</u>	Water Resources Program
	Fee Paid: _____ Check No: _____	ECY Coding: 001-001-WR1-0285-000011
Date Returned _____	By _____	Priority Date <u>10-7-2015</u> By <u>[Signature]</u> WRIA: <u>49 OKANOGAN</u>

Section 2. STATEMENT OF INTENT

Do you own the land on which the proposed point of diversion/withdrawal is located? YES NO
 If no, do you have legal authority to make this application for use of another's land? YES NO

Briefly describe the purpose of your proposed project:

Silver Spur North Ranch (SSNR) Water System is the planned water system for the Silver Spur Development.
Future growth in the area may include the addition of 199 single family residential units, and 250 recreational
vehicle sites. Water is withdrawn from the unconsolidated sediments in the Okanogan River Valley and is
conveyed approximately 2.5 miles to the project site.

Anticipated length of time to complete your project: 20

Water Use List all purposes for which water will be applied to a beneficial use and list quantity required for each.

Purpose(s) of Use	Rate (check one box only)		Acre-Feet per Year (AF/YR) (If known)	Period of Use (Continuously or Seasonal)
	<input type="checkbox"/> Cubic Feet per Second (CFS)	<input checked="" type="checkbox"/> Gallons per Minute (GPM)		
Municipal	350		62	continuous
TOTAL:				

Short Term/Temporary Water Use

Is this a request for a short term project (less than four months and non-recurring)? YES NO

Is this request for a temporary permit? YES NO

If yes to either question above, indicate the dates that the water will be needed:

FROM: ___/___/___ TO: ___/___/___

Section 3. POINT OF DIVERSION OR WITHDRAWAL

(Complete A or B, and C below)

A.) If Surface Water Source	B.) If Ground Water Source
<input type="checkbox"/> Spring <input type="checkbox"/> Creek <input type="checkbox"/> River <input type="checkbox"/> Lake <input type="checkbox"/> Other: _____ Source Name: _____ Tributary to: _____ Number of proposed diversion points: _____ Do you have an existing diversion? <input type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> Well(s) <input type="checkbox"/> Other: _____ GW in Hydraulic Continuity with Wells Pool _____ Well diameter & depth: 1) 8-inch, 189 feet, 2) 8-in, 220 ft 3) 8-in, 226 ft Number of proposed points of withdrawal: 3 Do you have an existing well? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO If available, attach Water Well Report and pump test. Well Tag ID No. BBC-019, BIN-924, BIN-925

C.) Point of Diversion/Withdrawal – Legal Description

Parcel No.	¼	¼	Section	Township	Range	County
3125340083		NW	34	31N	25E	Okanogan
Lot(s)	Block(s)		Subdivision			
If known, enter the distances in feet from the point of diversion or withdrawal to the nearest section corner: _____ Feet (<input type="checkbox"/> North/ <input type="checkbox"/> South) and _____ feet (<input type="checkbox"/> East/ <input type="checkbox"/> West) from the (<input type="checkbox"/> NW <input type="checkbox"/> SW <input type="checkbox"/> NE <input type="checkbox"/> SE <input type="checkbox"/> _____) corner of Section_____.						
Parcel No.	¼	¼	Section	Township	Range	County
Lot(s)	Block(s)		Subdivision			
If known, enter the distances in feet from the point of diversion or withdrawal to the nearest section corner: _____ feet (<input type="checkbox"/> North/ <input type="checkbox"/> South) and _____ feet (<input type="checkbox"/> East/ <input type="checkbox"/> West) from the (<input type="checkbox"/> NW <input type="checkbox"/> SW <input type="checkbox"/> NE <input type="checkbox"/> SE <input type="checkbox"/> _____) corner of Section_____.						

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OKW

NOTE: If more than two points of diversion/withdrawal attach additional information on a separate sheet of paper.

Section 4. PLACE OF USE

Attach a copy of the legal description of the property (on which the water will be used) taken from a real estate contract, property deed or title insurance policy, or copy it carefully in the space below.

The proposed place of use is located in Section 20, the SE1/4 of Section 19, and the NW ¼ of NE ¼ of Section 30, and the SE¼ of NW¼ of Section 15, all in T. 31 N., R. 25 E.W.M, Okanogan County. That area described within the SSNR Water System Service Area.

See attached map of water service area

¼	¼	Section	Twp.	Range	County	Parcel No.
		15, 19, 20, 30,	31N	25E	Okanogan	Multiple parcels in water system service area

Do you own all the lands on which the proposed place of use is located? YES X NO.

If no, do you have legal authority to make this application for use of another's land? X YES NO

Provide owner name(s), address, and phone number:

Silver Spur North Ranch Water System Service Area

Are there any other water rights or claims associated with this property or water system? X YES NO

If yes, provide the water right and/or claim numbers:

CS4-128293CL, 161 gpm, 57.95 AF. This water right application is requesting water from the FDR drawdown water allocation.

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Attach a map of your project showing the point of diversion/withdrawal and place of use. If platted property, be sure to include a complete copy of the plat map.

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Section 5. WATER SYSTEM DESCRIPTION

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Describe your proposed water system (include type and size of devices used to divert or withdraw water from source):

The new system will include development of a new well and associated pumping system, distribution piping, services, meters, chlorination system and storage reservoir. The SSNR system, at full-build-out, will be comprised of multiple wells. SSNR has drilled an 8-inch diameter well, (Well No. 1) which will be utilized for the initial phases of the new system. This well is 189 feet deep in gravel alluvium and has demonstrated the ability to sustain 160 gpm production during a 24-hour pump test. Information is currently being compiled for a well source approval report for Well No. 1. A second and potentially third well have been drilled at the site. Pump and water quality tests are ongoing at this time. Water will be conveyed to the property via easements and will serve up to 199 single family residences and 250 recreational vehicle sites.

A new transmission system will be constructed to convey water for the source water wells to the reservoir storage tank. Due to the anticipated length of the transmission main (approximately 34,000 linear feet or 6.5 miles) and elevation difference (approximately 915 feet) between the well drawdown level and the reservoir site, a combination of well pumps and a booster pump system are needed to convey water from the source wells to the reservoir tank. The most cost-effective transmission system is the well pump(s) conveying water to a booster pump system that then conveys the water to the SSNR's reservoir tank. Both the well pumps and the booster pumps would be equipped with variable frequency drives (VFDs) to balance the operation of the pumps and allow ramping up at pump startup and ramping down for pump shutdown to minimize pressure surges (i.e water hammer) in the system. Surge anticipators would also be installed at each of the pump installation to further minimize pressure surges in the system. The booster pump station would initially have duplex pumps capable of pumping 160 gpm each with expansion capabilities of handling two additional pumps to handle future flow. The initial location of the booster pump station is a site adjacent to Old Highway 97 at an elevation of approximately 1,235 feet.

A fiber optics based telemetry system with PLCs at the pump installations would be used to communicate information and control the source and transmission system. The alarm system will most likely be a telephone based autodialer system. The telemetry system will include some means of remote access to system information to assist in the water system operation.

The nominal diameter of the transmission main would be 8-inches due primarily to the length of proposed main and the anticipated future flow of 390 gpm. Due to the amount of curvature in the proposed transmission main alignment, the lack of service taps, and minimal

required pipe joints, high density polyethylene (HDPE) pipe is the preferred pipe for the transmission main. Due to the elevation difference in the transmission system, there will be portions of the system that will exceed 200 psi operating pressures and will require thicker HDPE pipe to handle these pressures. Portions of the HDPE pipe will have different thicknesses (i.e. dimension ratios, DR) and may be larger diameter (i.e 10-inch) to handle system pressures and minimize friction losses. C900 PVC pipe is also a viable option. The well column pipe will be 8-inch diameter steel pipe and the pipe within the well pump building and booster pump station will be 6-inch diameter ductile iron. The transmission main will likely have intermediate check valve stations to minimize water loss in the case of a water main break and strategically located air valves to handle vacuum conditions and release accumulated air in the main.

Section 6. DOMESTIC WATER SUPPLY SYSTEM INFORMATION

(Complete A or B, and C below)

A.) Domestic Water Systems only	B.) Municipal Water Systems only <i>(defined under RCW 90.03.015)</i>
Projected number of connections to be served: _____ Type of connections: _____ <i>(e.g., home, recreational cabin)</i>	Present population to be served water: <u>11 lots</u> Estimate future population to be served: <u>199 residences, 250 recreational site (20 year projection)</u>

C.) Water System Planning

Do you have a Water System Plan approved by the Washington State Department of Health, Drinking Water Division? YES NO

If yes, date plan was approved ____/____/____ Water System Number: _____

Name of water system: Silver Spur North Ranch (SSNR) Water System

Are you within the service area of an existing water system? YES NO

If yes, explain why you are unable to connect to the system:

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Section 7. IRRIGATION/STOCKWATER/OTHER FARM USES

Irrigation

Total number of acres requested to be irrigated under this application = NA ACRES

NOTE: Outline the area to be irrigated on your attached map.

Stockwater

List number and kind of stock:

NA

Is the proposed project for a dairy farm? YES NO

Other Proposed Farm Uses

Describe all proposed uses:

NA

Family Farm Water Act (RCW 90.66):

Calculate the acreage in which you have a controlling interest, including only:

- Acreage irrigated under water rights acquired after December 8, 1977,
- Acreage proposed to be irrigated under this application, and
- Acreage proposed to be irrigated under other pending application(s).

Is the combined acreage under existing rights greater than 6000 acres? YES NO

Do you have a controlling interest in a Family Farm Development Permit? YES NO

If yes, enter Permit No: _____

Section 8. OTHER WATER USES

Hydropower

Indicate total feet of head _____ and proposed capacity in kilowatts: _____

Describe works:

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Indicate all uses to which power is to be applied: _____

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FERC License No: _____

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Mining/Industrial Use

Describe use, method of supplying and utilizing water:

NA

Other Use

NA

Section 9. WATER STORAGE

Will you be using a dam, dike, or other structure to retain or store water? X YES NO

Are you proposing to store more than 10 acre-feet of water? YES X NO

Will the water depth be 10 feet or more? YES X NO

If you answered yes to any of the above questions, please describe:

See attachment for water storage system design

NOTE: If you will be storing 10 acre-feet or more of water and/or if the water depth will be 10 feet or more at the deepest point and some portion of the storage will be above grade, you must also complete an Application for Permit to Construct a Reservoir and a Dam Construction Permit and Application.

Section 10. DRIVING DIRECTIONS

Provide detailed driving directions to the project site:

To Place of Use: From Brewster, drive north on Old Highway 97 approximately 5 miles, turn left onto Hacienda Lane, Follow access road to development.

To Point of Withdrawal: From Brewster, drive east, then north on Highway 97 approximately 6.5 miles, then turn left on Monse Bridge Road. Drive approximately 3/4-mile across Monse Bridge, point of withdrawals located on property on right immediately past railroad tracks.

Site Address:

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