



STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY

4601 N Monroe Street • Spokane, Washington 99205-1295 • (509)329-3400

December 1, 2008

Mr. Bill McDonald  
U.S. Bureau of Reclamation  
U.S. Department of Interior  
1150 North Curtis Road, Suite 100  
Boise, Idaho 83706-1234

Re: Surface Water Permit No.'s S3-30486P and S3-30556P

Dear Mr. McDonald:

Enclosed are Surface Water Permit No.'s S3-30486P and S3-30556P, to be retained for your records. Please read the entire permits, as well as the enclosed information sheet.

These permits authorize you to construct your project and put water to use.

Two *Construction Notice* forms are also enclosed. Please complete and submit these forms to this office when you have begun construction for your project. **If you cannot begin your project by September 1, 2009, you must contact this office to apply for extensions of the development schedules in the two permits.**

If you have any questions, please contact Kevin Brown at 509-329-3422.

Sincerely,

Keith L. Stoffel  
Section Manager  
Water Resources Program  
Eastern Regional Office

KLS/KB:md

W: Permits/Stoffel/2008/USBR S3-30556 and S3-30486 cvr letter 12-01-2008.doc

Enclosures: *Permits*

*Construction Notices, Important Information About Your Water Right Permit*

cc: Bill Gray, USBR Ephrata office  
Rachael Pascal Osborn, Center for Environmental Law & Policy  
Harold Shepherd, The Center for Water Advocacy  
Gary Passmore, Confederated Tribes of the Colville Reservation  
Rudy Peone, Spokane Tribe of Indians  
Washington Dept of Fish & Wildlife  
Derek Sandison, Ecology OCR  
Rick Roeder, Ecology CRO



STATE OF WASHINGTON  
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**PERMIT**  
TO APPROPRIATE PUBLIC WATERS OF THE STATE OF WASHINGTON

- Surface Water (Issued in accordance with the provisions of Chapter 117, Laws of Washington for 1917, and amendments thereto, and the rules and regulations of the Department of Ecology.)
- Ground Water (Issued in accordance with the provisions of Chapter 263, Laws of Washington for 1945, and amendments thereto, and the rules and regulations of the Department of Ecology.)

PRIORITY DATE May 16, 1938	APPLICATION NUMBER S3-30486	PERMIT NUMBER S3-30486	CERTIFICATE NUMBER
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NAME U.S. Bureau of Reclamation, U.S. Department of Interior			
ADDRESS (STREET) 1150 North Curtis Road, Suite 100	(CITY) Boise	(STATE) Idaho	(ZIP CODE) 83706-1234

*The applicant is pursuant to the Report of Examination which has been accepted by the applicant, hereby granted a permit to appropriate the following public waters of the State of Washington, subject to existing rights and to the limitations and provisions set herein.*

**PUBLIC WATERS TO BE APPROPRIATED**

SOURCE Lake Roosevelt		
TRIBUTARY OF (IF SURFACE WATERS)		
MAXIMUM CUBIC FEET PER SECOND 303	MAXIMUM GALLONS PER MINUTE	MAXIMUM ACRE FEET PER YEAR 45,000

QUANTITY, TYPE OF USE, PERIOD OF USE  
303 cubic feet per second, 45,000 acre-feet per year: 181 cubic feet per second, 30,000 acre-feet per year for the irrigation of 10,000 acres within the Odessa Subarea and the Columbia Basin Project; and 122 cubic feet per second, 15,000 acre-feet per year for instream purposes in Lake Roosevelt and below Grand Coulee Dam along the mainstem of the Columbia River to the Pacific Ocean.

**LOCATION OF DIVERSION/WITHDRAWAL**

APPROXIMATE LOCATION OF DIVERSION--WITHDRAWAL  
1500 feet east and 200 feet south of the West ¼ corner of Section 1.

LOCATED WITHIN (SMALLEST LEGAL SUBDIVISION) Government Lots 3 and 4	SECTION 1	TOWNSHIP N. 28	RANGE, (E. OR W.) W.M. 30 E. W.M.	W.R.I.A. 42	COUNTY Grant
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**RECORDED PLATTED PROPERTY**

LOT	BLOCK	OF (GIVE NAME OF PLAT OR ADDITION)
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**LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED**

For irrigation purposes: 10,000 acres of lands to be identified lying within the Columbia Basin Project and the Odessa Subarea defined under WAC 173-128A

For instream purposes: The mainstem of the Columbia River in Lake Roosevelt and below Grand Coulee Dam, beginning at the north line of Lake Roosevelt in Section 4, T. 40 N., R. 41 E.W.M. Stevens County to the mouth of the Columbia River at its confluence with the Pacific Ocean.

DESCRIPTION OF PROPOSED WORKS

The 15,000 acre-feet for instream purposes can be released from Lake Roosevelt using existing infrastructure.

Construction will be required to deliver the 30,000 acre-feet of irrigation water from Lake Roosevelt to the Odessa Subarea. Water for the Odessa Subarea will be routed to the area using existing Columbia Basin Project infrastructure, including the East Low canal. Some alteration of existing infrastructure and construction of new canals and/or laterals will be required to deliver water to individual farms, and irrigators in the Odessa Subarea may need to construct conveyance systems on their land to deliver water from the canals to individual farms.

Section 2.3.4 of the Final Supplemental Environmental Impact Statement for the Lake Roosevelt Incremental Storage Releases Project (SEIS) identifies improvements to existing Columbia Basin Project facilities as well as additional construction projects that could be required to improve delivery efficiency of water from Lake Roosevelt to the Odessa Subarea. The area south of I-90 in the Odessa Subarea has experienced significant declines in ground water levels, which has created a high demand for replacement water supplies in that area. Improvements will be required to the East Low Canal to deliver water to users located south of Highway I-90 (I-90). The improvements include upgrading siphons and increasing pumping capacity. The construction needed for two new siphons is described below. Impacts associated with the construction are included in Section 4.2.3 of the SEIS.

Two existing siphons are located along the East Low Canal near the location the canal crosses I-90, approximately 10 miles east of Moses Lake (Figure 2-2 in the SEIS). The siphons are the Weber Branch Siphon and the Weber Coulee Siphon.

The first, or upstream, existing siphon is the Weber Branch Siphon. It is 3,215 feet long and crosses a valley that is approximately 80 feet deep (below the invert of the East Low Canal). U Road SE is located in the center of the valley. The siphon is comprised of reinforced concrete and is 14 feet 8 inches in diameter.

The second existing siphon, the Weber Coulee Siphon, is 6,166 feet long and crosses Weber Coulee, a valley that is approximately 110 feet deep (below the invert of the East Low Canal). I-90 is located in Weber Coulee. The existing Weber Coulee Siphon is also reinforced concrete and 14 feet 8 inches in diameter. When I-90 was built, a tunnel for a second Weber Coulee siphon was constructed for part of the route to avoid digging under or tunnelling through I-90 when a second Weber Coulee siphon is needed. The existence of the tunnel will avoid traffic impacts to I-90 during construction.

Although the size of the new siphon pipes has not been selected, the existing structures and the tunnel under I-90 for the second Weber Coulee siphon were constructed to accommodate new siphons identical in size to the existing siphons. The inlet and outlet structures for the existing siphons have already been constructed to the size needed to connect new siphons, so minimal work would be needed on those structures.

The new siphons would be constructed adjacent to the existing siphons with approximately six feet of separation between the new and existing siphons. The new siphons would be constructed at the same grade as the existing siphons. Excavation would be required to provide trenches for the siphon pipes. The pipe trenches would be backfilled and a berm placed over the pipes to ensure a minimum cover is established. The area needed for construction would likely range from 50 to 100 feet wide along the length of the siphons. The right-of-way width for the siphons ranges from 200 feet to 315 feet, so all construction should be contained within existing right-of-ways.

DEVELOPMENT SCHEDULE

BEGIN PROJECT BY THIS DATE: September 1, 2009	COMPLETE PROJECT BY THIS DATE: September 1, 2019	WATER PUT TO FULL USE BY THIS DATE: September 1, 2021
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PROVISIONS

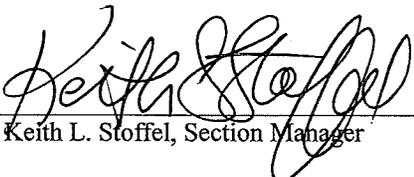
- Water diverted for irrigation under this authorization is subject to Washington Department of Fish and Wildlife juvenile salmon and gamefish screening criteria (pursuant to RCW 75.20.040). Permit holders should contact the Department of Fish and Wildlife, 600 Capitol Way N., Olympia, WA 98501-1091, Attention: Habitat Management Division, Phone: (360) 753-3318 or call (509) 575-2734 for the Yakima Screen Shop to obtain specific gamefish (trout, bass, etc.) requirements for their projects.

Provisions continued on page 3.

This permit shall be subject to cancellation should the permittee fail to comply with the above development schedule and/or to give notice to the Department of Ecology on forms provided by that Department documenting such compliance, or should the Report of Examination pursuant to which this permit is issued be vacated or reversed, or, at Ecology's option, be substantially modified on appeal.

Dated this 1<sup>st</sup> day of December, 2008, in Spokane, Washington,

Department of Ecology

by   
Keith L. Stoffel, Section Manager

REVIEW DATA  
OK 

Provisions continued from page 2.

- Measuring devices approved by the Department of Ecology must be installed such that the total amount of water diverted from the Columbia River can be determined. At a minimum, weekly readings shall be recorded. By January 31<sup>st</sup> each year, the permittee shall send a copy of the data, on a form prescribed by Ecology, to the Central Regional Office. Information recorded shall indicate the meter type or type of measuring device, the date and time of measurement, water flow rate, volume of water (acre-feet), and the name of the person taking the meter reading.
- Reclamation must coordinate with Ecology to document that flow releases occurred consistent with the SEIS adaptive management strategy. This documentation must be submitted annually to coincide with water measurement data.
- The quantity of water released for instream purposes each year must be at least 50% of the quantity of water supplied for irrigation purposes each year.
- The quantity of water released for instream purposes each month will be determined by a panel of fisheries and water managers from Ecology, Reclamation, tribes, the Columbia River Intertribal Fish Commission (CRITFC), WDFW, NOAA Fisheries, and the U.S. Fish and Wildlife Service. The panel will determine specific releases each year based on the March 1 forecast for April through September runoff at The Dalles Dam with the goal of scheduling releases to maximize fish benefits under the specific conditions in any year. The panel will also consider anticipated river conditions and the status of fish runs and outmigration. Ecology is negotiating an MOA with Reclamation to incorporate the adaptive management strategy for the Preferred Alternatives into river operations. This panel shall be in place and establish the release priorities prior to any releases of water.
- Any required formal approvals, river operation plan amendments or changes to agreements must be obtained prior to diversion or releases of water under this application.
- Diversion of water under this authorization is contingent on execution of a water service contract between Ecology and Reclamation.
- A Certificate of Water Right will be issued after water has been put to full beneficial use and a final investigation has been conducted.