

**Oregon Water Resources Department
Water Right Services Division**

Water Rights Application
Number S-58245

**Final Order
Extension of Time for Permit Number S-49497
Permit Holder: Port of Umatilla**

Permit Information

Application File S-58245/ Permit S-49497

Basin 7 – Umatilla Basin / Watermaster District 5
Date of Priority: January 19, 1979

Authorized Use of Water

Source of Water: The Columbia River, a Tributary of the Pacific Ocean
Purpose or Use: Municipal Use
Maximum Rate: 155.0 Cubic Feet per Second (cfs)

Appeal Rights

This is a final order in other than a contested case. This order is subject to judicial review under ORS 183.484. A request for judicial review must be filed within the 60 day time period specified by ORS 183.484(2). Pursuant to ORS 536.075 and OAR 137-004-0080 you may either file for judicial review, or petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the Director, and if no action is taken within 60 days following the date the petition was filed, the petition shall be deemed denied.

Application History

Permit S-49497 was issued by the Department on November 27, 1985. The permit called for completion of construction by October 1, 1987, and complete application of water to beneficial use by October 1, 1988. On September 29, 1997, Port of Umatilla submitted an application to the Department for an extension of time for Permit S-49497. In accordance with OAR 690-315-0050(2), on June 26, 2012, the Department issued a Proposed Final Order proposing to extend the time to complete construction to October 1, 2073, and the time to fully apply water to beneficial use to October 1, 2073. The protest period closed August 10, 2012 in accordance with OAR 690-315-0060(1). No protest was filed.

The Department adopts and incorporates by reference the Proposed Final Order dated June 26, 2012.

At time of issuance of the Proposed Final Order the Department concluded that, based on the factors demonstrated by the applicant, the permit may be extended subject to the following conditions:

CONDITIONS

1. **Development Limitations**

Diversion of any water beyond 18.54 cfs under Permit S-49497 shall only be authorized upon issuance of a final order approving a Water Management and Conservation Plan(s) (WMCP) under OAR Chapter 690, Division 86 which grants access to water under this extended permit. The required WMCP shall be submitted to the Department within 3 years of this Final Order. Use of water under Permit S-49497 must be consistent with this and subsequent WMCP's approved under OAR Chapter 690, Division 86 on file with the Department.

The deadline established in the Extension Final Order for submittal of a WMCP shall not relieve a permit holder of any existing or future requirement for submittal of a WMCP at an earlier date as established through other orders of the Department. A WMCP submitted to meet the requirements of this order may also meet the WMCP submittal requirements of other Department orders.

2. **Conditions to Maintain the Persistence of Listed Fish**

A. **Minimum Fish Flow Needs**

- a. Minimum fish flow needs in the Columbia River as recommended by ODFW are in Table 1, below; flows are to be measured in the Columbia River at McNary Dam. Daily flow reports for McNary Dam are available from the Fish Passage Center (FPC) established by the Northwest Power Planning Council (NPPC) at <http://www.fpc.org/currentdaily/flowspil.txt>.

Table 1

ODFW'S RECOMMENDED MINIMUM FISH FLOW NEEDS IN THE COLUMBIA RIVER, MEASURED AT McNARY DAM NEAR UMATILLA, OREGON	
Month	1000 Cubic Feet per Second
April 10 – June 30	260
July 1 – August 31	200

b. **Alternate Streamflow Measurement Point**

The location of a streamflow measurement point as established in these Conditions to Maintain the Persistence of Listed Fish may be revised if the City provides evidence in writing that ODFW has determined that

persistence flows may be measured at an alternate streamflow measurement point and provides an adequate description of the location of the alternate streamflow measurement point, and the Water Resources Director concurs in writing.

B. Determining Water Use Reductions – Generally

The maximum amount of the undeveloped portion of Permit S-49497 that can be diverted as a result of this fish persistence condition is determined in proportion to the amount by which the flows shown in Table 1 are missed based on a seven day rolling average of average of mean daily flows measured in the Columbia River at McNary Dam. The percent of missed target flows is defined as:

$$(1 - [Q_A / Q_T]) \times 100\%,$$

where Q_A is the actual flow measured at the designated location based on the seven day rolling average, and Q_T is the target flow (from Table 1).

The percent missed target flows applied to the undeveloped portion of the permit provides the maximum amount of undeveloped water that can be diverted as a result of this fish persistence condition, and is defined as:

$$E - (E \times \% \text{ missed target flows}),$$

where E is the undeveloped portion of the permit as of this extension, being 136.46 cfs.

The maximum amount of undeveloped water that can be diverted as a result of this fish persistence condition may be adjusted by a Consumptive Use Percentage, when applicable, as per Item 2.C., below. The overall reduction to the amount of the undeveloped portion of the permit will not exceed 20%.

When $Q_A \geq Q_T$, the amount of the undeveloped portion of the permit that can be diverted would not need to be reduced as a result of this fish persistence condition.

C. Consumptive Use Percentages for Utilization in Columbia River Calculations

a. Initial Consumptive Use Percentages

The Port of Umatilla has not identified any Consumptive Use Percentages based on the return of flows to the Columbia River through effluent discharge. Thus, at this time the City may not utilize Consumptive Use Percentages for the purpose of calculating the maximum amount of the undeveloped portion of Permit S-49497 that can be diverted as a result of this fish persistence condition.

b. First Time Utilization of Consumptive Use Percentages

Utilization of Consumptive Use Percentages for the purpose of calculating the maximum amount of the undeveloped portion of Permit S-49497 that can be diverted as a result of this fish persistence condition may begin after the issuance of the Final Order for this extension of time.

First time utilization of Consumptive Use Percentages is contingent upon the City (1) providing evidence in writing that ODFW has determined that withdrawal points and effluent discharges are within reasonable proximity to each other, such that fish habitat between the two points is not impacted significantly, and (2) submitting monthly Consumptive Use Percentages and receiving the Water Resources Director's concurrence with the proposed Consumptive Use Percentages. Utilization of Consumptive Use Percentages is subject to an approval period described in 2.C.f., below.

Consumptive Use Percentages submitted to the Department for review must (1) be specified as a percentage (may be to the nearest 1/10 percent) for each month of the year and (2) include a description and justification of the methods utilized to determine the percentages. The proposed Consumptive Use Percentages should be submitted on the *Consumptive Use Percentages Update Form* provided with the Final Order for this extension of time.

c. Consumptive Use Percentages Updates

Continuing the utilization of Consumptive Use Percentages for the purpose of calculating the maximum amount of the undeveloped portion of Permit S-49497 that can be diverted as a result of this fish persistence condition beyond an approval period (as described in 2.C.f., below) is contingent upon the City submitting updated Consumptive Use Percentages and receiving the Water Resources Director's concurrence with the proposed Consumptive Use Percentages Updates. Utilization of Consumptive Use Percentages Updates is subject to an approval period described in 2.C.f., below.

The updates to the Consumptive Use Percentages must (1) be specified as a percentage (may be to the nearest 1/10 percent) for each month of the year and (2) include a description and justification of the methods utilized to determine the percentages. The updates should be submitted on the *Consumptive Use Percentages Update Form* provided with the Final Order for this extension of time.

d. Changes to Wastewater Technology and/or Wastewater Treatment Plant Practices

If there are changes to either wastewater technology or the practices at the City's wastewater treatment facility resulting in 25% or more reductions in average monthly return flows to the Columbia River, then the Consumptive Use Percentages in effect at that time may no longer be utilized for the purposes of calculating the maximum amount of the undeveloped portion of Permit S-49497 that can be diverted as a result of this fish persistence condition. The 25% reduction is based on a 10-year rolling average of monthly wastewater return flows to the Columbia River as compared to the average monthly wastewater return flows from the 10 year period just prior to date of the first approval period described in 2.C.f., below.

If such changes to either wastewater technology or the practices at the City's wastewater treatment facility occur resulting in 25% reductions, further

utilization of Consumptive Use Percentages is contingent upon the City submitting Consumptive Use Percentages Updates as per 2.C.c., above, and receiving the Water Resources Director's concurrence with the proposed Consumptive Use Percentages.

e. Relocation of the Point(s) of Diversion(s) and/or Return Flows

If the point(s) of diversion(s) and/or return flows are relocated, Consumptive Use Percentages in effect at that time may no longer be utilized for the purposes of calculating the maximum amount of the undeveloped portion of Permit S-49497 that can be diverted as a result of this fish persistence condition.

After relocation of the point(s) of diversion(s) and/or return flows, further utilization of Consumptive Use Percentages is contingent upon the City (1) providing evidence in writing that ODFW has determined that any relocated withdrawal points and effluent discharge points are within reasonable proximity to each other, such that fish habitat between the two points is not impacted significantly, and (2) submitting Consumptive Use Percentages Updates as per 2.C.c., above, and receiving the Water Resources Director's concurrence with the proposed Consumptive Use Percentages.

f. Approval Periods for Utilization of Consumptive Use Percentages

The utilization of Consumptive Use Percentages for the purpose of calculating the maximum amount of the undeveloped portion of Permit S-49497 that can be diverted as a result of this fish persistence condition may continue for a 10 year approval period that begins 10 years from the Water Resources Director's most recent date of concurrence with Consumptive Use Percentages Updates as evidenced by the record, unless sections 2.C.d., or 2.C.e. (above) are applicable.

Consumptive Use Percentages (first time utilization or updates) which are submitted and receive the Director's concurrence will begin a new 10 year approval period. The approval period begins on the date of the Water Resources Director's concurrence with Consumptive Use Percentages Updates, as evidenced by the record. The City at its discretion may submit updates prior to the end of an approval period.

D. Examples

Example 1: Target flow met.

On April 15, the last seven mean daily flows in the Columbia River at McNary Dam¹ were 310K, 290K, 280K, 260K, 260K, 240K and 250K cfs. The seven day rolling average (Q_A) is 270K cfs. The amount of the undeveloped portion of the permit that can be diverted would not be reduced because the 7 day average of mean daily flows is greater than the 260K cfs target flow (Q_T) for April 15. In this example, Q_A ≥ Q_T.

¹ Daily flow data for McNary Dam is available at <http://www.fpc.org/currentdaily/flowspl.txt>.

Example 2: Target flow missed.

Step 1: If on July 15, the average of the last seven mean daily flows (Q_A) was 170K cfs, and the target flow (Q_T) is 200K, then the target flow would be missed by 15.0%.

$$(1 - (170 / 200)) \times 100\% = 15.0\%$$

Step 2: Assuming the Consumptive Use Percentage is 62.2%² during the month of July and the utilization of this percentage is authorized, and the target flow is missed by 15.0% (from Step 1), then the amount of the undeveloped portion of the permit that could be diverted would be reduced by 9.3%.

$$(62.2\% \times 15.0\%) / 100 = 9.3\%$$

(If adjustments are not to be made by a Consumptive Use Percentage, then the undeveloped portion of the permit would only be reduced by the % by which the target flow is missed – 15.0% in this example).

Step 3: The overall reduction of 9.3% of the amount of the undeveloped portion of the permit does not exceed 20%.

Step 4: The undeveloped portion of this permit as of this extension (E) is 136.46 cfs. Therefore, in this example, the maximum amount of the undeveloped portion of Permit S-49497 that can be diverted as a result of this fish persistence condition is 123.8 cfs.

$$136.46 - ((136.46 \times 9.3\%) / 100) = 123.8$$

Step 5: Given that the permitted quantity under this right is 155.0 cfs, and the undeveloped portion is 136.46 cfs, if the amount of water legally authorized for a diversion at a given point in time is 50.0 cfs, then only 31.5 cfs of undeveloped water would be used to satisfy the 50.0 cfs.

$$50.0 - (155.0 - 136.46) = 31.5$$

[Note: (155.0 – 136.46) equals the developed portion of the permit]

In this example, the 31.5 cfs of undeveloped water is less than the 123.8 cfs maximum undeveloped portion (from Step 4) that can be diverted as a result of this fish persistence condition. Therefore, there would be no required reduction in water use of the undeveloped portion under the permit.

² Currently, the Port of Umatilla may not utilize Consumptive Use Percentages for the purpose of calculating the amount of the undeveloped portion of Permit S-49497 that can be diverted as a result of this fish persistence condition. The utilization of the Consumptive Use Percentage 62.2%¹⁸ only for illustrative purposes in this example.

Step 6: If the amount of water legally authorized for a diversion at a given point in time is 145.0 cfs, then 126.5 cfs of undeveloped water would be used to satisfy the 145.0 cfs.

$$145 - (155.0 - 136.46) = 126.5$$

In this example, the 126.5 cfs of undeveloped water is greater than the 123.8 cfs maximum undeveloped portion (from Step 4) that can be diverted as a result of this fish persistence condition. Therefore, the amount of undeveloped water diverted by the permit holder would need to be reduced by 2.7 cfs.

$$126.5 - 123.8 = 2.7$$

In this example, the maximum amount of water that could be appropriated is 142.3 cfs.

$$145.0 - 2.7 = 142.3$$

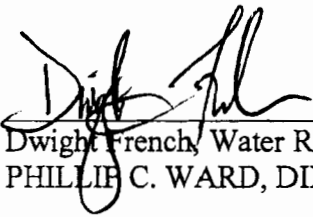
Summary

The applicant has demonstrated good cause for the permit extension pursuant to ORS 537.230, 539.010(5) and OAR 690-315-0080(3).

Order

The extension of time for Application S-58245, Permit S-49497, therefore, is approved subject to conditions contained herein. The deadline for completing construction is extended from October 1, 1997 to October 1, 2073. The deadline for applying water to full beneficial use within the terms and conditions the permit is extended from October 1, 1997 to October 1, 2073.

DATED: August 24, 2012



Dwight French, Water Right Services Division Administrator for
PHILLIP C. WARD, DIRECTOR

If you have any questions about statements contained in this document, please contact Ann L. Reece at (503) 986-0827.

If you have other questions about the Department or any of its programs, please contact our Water Resources Customer Service Group at (503) 986-0900
