

BEFORE THE WATER RESOURCES DIRECTOR OF OREGON

MORROW COUNTY

ORDER AMENDING TRANSFER 6979 APPROVAL ORDER

AND ORDER RESCINDING TRANSFER 7016

The Water Resources Director approved Water Right Transfer 6979 by an order, entered December 2, 1993, at Special Order Volume 47, Page 387. This transfer allowed use of water in eight foot wide strips. It also contained, among others, monitoring and reporting conditions.

The Water Resources Director also approved Water Right Transfer 7016, by an order entered December 2, 1993, at Special Order Volume 47, Page 389. This transfer allowed use of water in two-foot strips, between the eight-foot irrigated strips allowed in Transfer 6979. Transfer 7016 was issued to include a water right for the two-foot strips in the event the water could not be confined to the eight-foot wide strips. The order provided that if the applicant demonstrated the water could be confined to the eight-foot wide strips, the water right described by this transfer could be transferred to other lands.

Water Right Transfers 6979 and 7016 are the demonstration phase of a multi-phase project. The applicant was afforded the opportunity to demonstrate that water use described in transfer 6979 could be confined to the eight-foot wide strips.

The applicant provided information that the distribution system could confine the water to the eight-foot wide strips by means of a closely controlled drip irrigation system.

During the evaluation of the information provided by the applicant, it was determined that modified monitoring and reporting conditions would be appropriate to insure that the water would be confined to the eight-foot wide strips.

The approval order for Transfer 6979 will be modified to include the modified conditions. Transfer 7016 will be rescinded and the water right included in the approval order for transfer 7017.

The order of the Water Resources Director, entered December 2, 1993, at Special Order Volume 47, Page 387, approving Transfer 6979, is AMENDED by DELETING the following language:

1. The proposed change shall be completed on or before October 1, 1994.

2. The water user shall operate a soil moisture monitoring system that will demonstrate water is not being delivered to lands without a water right. Such a system shall include, but not be limited to, data collection points within the strips having water rights, within the strips not having water rights, and within an area not near the irrigated area to collect background data. The monitoring system shall also receive near real-time information from a weather data collection and reporting system with a data collection site in the vicinity of this project. The monitoring system will be extensive enough to insure conditions are the same throughout the entire project, regardless of any crop rotation system.

The monitoring system shall have a near real-time capability of displaying and reporting current conditions. The information, both current and historical, shall be made available to the Watermaster upon request. The Watermaster may monitor the accuracy of the monitoring system as needed.

If the applicant is not successful in proving the 2 feet wide strips do not receive water, this condition will terminate. If the applicant is successful, this condition will continue in force.

3. The water user shall install and maintain a headgate, an in-line flow meter, weir, or other suitable device for measuring and recording the quantity of water diverted. The type and plans of the headgate and measuring device must be approved by the Department prior to beginning construction and shall be installed under the general supervision of the Department.
4. The water user or water delivery entity shall operate and maintain the headgate and measuring device, as needed. The water user or water delivery entity shall report total flow figures when requested by the Watermaster. The Watermaster may operate the headgate and monitor accuracy of the measuring device, as needed.
5. The former place of use shall no longer be irrigated as a part of this water right.

The following language is ADDED:

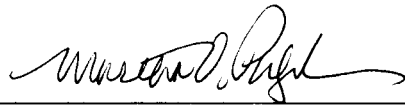
1. The proposed change shall be completed on or before October 1, 1999.

2. The water user shall install and maintain headgates, in-line flow meters, weirs, or other suitable devices for controlling, measuring and recording the quantity of water diverted. In-line flow meters shall be installed at each canal pump station and each 160-acre field control manifold. The type and plans of the headgates and measuring devices must be approved by the Department prior to beginning construction and shall be installed under the general supervision of the Department.
3. The water user shall operate and maintain the headgates and measuring devices, as needed. The Watermaster may operate the headgates and monitor accuracy of the measuring devices, as needed.
4. The water user shall install and maintain a soil moisture monitoring program. The monitoring shall include neutron probe data (or other monitoring data of similar or superior accuracy) at 1, 2, 3, 4, and 5 foot depths, at weekly intervals, beginning one week prior to the irrigation season and continuing one week past the end of the irrigation season. The location of the monitoring sites shall be approved by the Watermaster.
5. Beginning with the 1995 irrigation season, monitoring shall include three paired data sampling sites with access tubes between adjacent tree rows (each paired site shall consist of a pair of access tubes located on the outer edges of the non-irrigated strip between the tree rows); and two transects, consisting of six access tubes at two foot intervals across two adjacent tree rows per age class of trees. On alternating age classes one of the transects will consist of eleven access tubes at two foot intervals across three adjacent tree rows. Monitoring shall include two access tubes for each soil type located outside the planted area to be use as control.
6. Monitoring and flow data shall be available to the Watermaster promptly upon request. The Water user shall supply, to the Watermaster, an annual report of water use and monitoring data. Monitoring data shall be available in a reasonable summary format as approved by the watermaster.
7. If water use under the irrigation system delivers water to the non-irrigated areas between tree rows, the Watermaster may regulate the water use until soil moisture and flow data demonstrate that the non-irrigated areas are not receiving irrigation water.
8. The former place of use shall no longer be irrigated as a part of this water right.

9. In the year 2000 the monitoring data will be reviewed to determine if control of water use can be verified with reduced monitoring in the future. Beginning in the year 2000, if control of water use can be verified at a level that will allow regulation pursuant to the water right as conditioned herein, the monitoring of paired sites may be discontinued and the transects may be reduced to the two tubes in the tree rows. This data will be supplemented with other ongoing monitoring data from tubes in the tree rows as normally required by Potlatch for accurate irrigation scheduling, and as reasonably approved by the watermaster.

The Order of the Water Resources Director, entered December 2, 1993, at Special Order Volume 47, Page 389, approving Transfer 7016 is RESCINDED, and of no further force and effect. The water right involved will be included in the approval order for Transfer 7017.

WITNESS the signature of the Water Resources Director,  
affixed 2/23/95.



\_\_\_\_\_  
Martha O. Pagel, Director