

**Oregon Water Resources Department
Water Rights Division**

Application for Extension of Time

In the Matter of the Application	)	
for an Extension of Time for	)	
Permit #G-11376, Water Right	)	PROPOSED FINAL ORDER
Application #G-12579	)	
(Crooked River Ranch Water Company)	)	

Permit Information

Application File #G-12579 / Permit #G-11376

Basin: #5 - Deschutes Basin / Watermaster District: #11

Date of Priority: June 18, 1991

Authorized Use of Water

Source of Water:	Two Wells (Wells #2 and #3) in the Deschutes River Basin, amended on October 30, 1997, by Special Order Volume 51, Pages 1235 through 1237 to add an additional point of appropriation (Well #4)
Purpose or Use:	Quasi-Municipal Use
Maximum Rate:	5.0 cubic foot per second (cfs)

This Extension of Time request is being processed in accordance
with Oregon Administrative Rule Chapter 690, Division 315.

Please read this Proposed Final Order in its entirety.

This Proposed Final Order applies only to Permit #G-11376, water right Application #G-12579. A copy of Permit #G-11376 is enclosed as Attachment 1.

Summary of Proposed Final Order for Extension of Time

The Department proposes to:

- grant the extension for complete construction of the water system from October 1, 1998, to October 1, 2008; and
- grant the extension for complete application of water from October 1, 1998, to October 1, 2008.

AUTHORITY

ORS 537.230 and ORS 537.630(1) provide in pertinent part that the Water Resources Department shall, for good cause shown, order an extension of time within which irrigation or other works shall be completed or the right perfected. In determining the extension, the Department shall give due weight to the considerations described under ORS 539.010(5).

ORS 539.010(5) provides in pertinent part that the Water Resources Director, for good cause shown, may extend the time within which the full amount of the water appropriated shall be applied to a beneficial use. This statute instructs the Director to consider: the cost of the appropriation and application of the water to a beneficial purpose; the good faith of the appropriator; the market for water or power to be supplied; the present demands therefore; and the income or use that may be required to provide fair and reasonable returns upon the investment.

OAR 690-315-0080 provides in pertinent part that the Water Resources Department shall make findings to determine if an extension of time for municipal and/or quasi-municipal water use permit holders may be approved to complete construction and/or apply water to full beneficial use.

FINDINGS OF FACT

Background

1. Permit #G-11376 was granted by the Water Resources Department (Department) on November 18, 1991. The permit authorizes the use of up to 5.0 cfs of water from two wells, being Well #2 (now known as CRRWC Well #2) and Well #3 (now known as Crooked River Ranch Association (CRRRA) Well #3), in the Deschutes River Basin for quasi-municipal purposes. It specified that construction of the water system was to be completed by October 1, 1993, and complete application of water was to be made on or before October 1, 1994.
2. One prior extension has been granted for Permit #G-11376. It resulted in the construction and completion dates being extended to October 1, 1998.
3. The CRRWC submitted a permit amendment application (T-7828) to the Department on August 13, 1997, proposing to add an additional point of appropriation, being Well #4 (now known as CRRWC Well #1) under Permit #G-11376. On October 30, 1997, the Department issued an order (Special Order Volume 51, Pages 1235 through 1237) approving the permit amendment request.
4. The Crooked River Ranch Water Company (CRRWC) submitted an "Application for Extension of Time" to the Department on April 3, 2000, requesting the time in which to complete construction of the water system and to accomplish beneficial use of water to the full extent under the terms of Permit #G-11376 be extended to October 1, 2006.
5. Due to ongoing permit extension rulemaking, the Department placed all pending municipal and quasi-municipal permit extension of time requests on hold and did not require municipal and quasi-municipal water use permit holders to submit an extension application until the new rules were adopted.
6. Municipal and quasi-municipal water use permit extension rules were adopted by the Water Resources Commission and became effective on November 1, 2002 (OAR 690-315-0070 through 690-315-0100).
7. On April 6, 2004, the CRRWC submitted additional extension information and amended their extension of time request for Permit #G-11376. The CRRWC requested that both the time in which to complete construction of the water system and to complete beneficial use of water to the full extent under the terms of Permit #G-11376 be extended to October 1, 2009.

8. Notification of the CRRWC's extension of time request for Permit #G-11376 was published on the Department's Public Notice dated April 20, 2004. No public comment on the extension application was received.
9. On May 3, 2004, the CRRWC amended their extension of time application for Permit #G-11376 to request the amount of time to complete construction of the water system and to accomplish full beneficial use of water be extended to October 1, 2008.

Review Criteria for Municipal and Quasi-Municipal Water Use Permits *[OAR 690-315-0080(1)]*
The time limits to complete construction and/or apply water to full beneficial use may be extended if the Department finds that the permit holder has met the requirements set forth under OAR 690-315-0080(1).

Complete Extension of Time Application *[OAR 690-315-0080(1)(a)]*

10. The Department received a completed extension of time application and the statutory fee specified in ORS 536.050 from the permit holder.

Start of Construction *[ORS 537.630(1), OAR 690-315-0080(1)(b)]*

11. Construction of the wells and water system began within the time specified in the permit, being November 18, 1992.

Duration of Extension *[ORS 539.010(5), OAR 690-315-0080(1)(c)(d)]*
Under OAR 690-315-0080(1)(c)(d), the Department shall find that the time requested is reasonable and the applicant can complete the project within the time requested.

12. The remaining work to be accomplished under Permit #G-11376 consists of complete construction of the water system and complete application of water to beneficial use.
13. As of April 6, 2004, the permit holder has diverted 3.75 cfs of the 5.0 cfs of water allowed under Permit #G-11376 for quasi-municipal purposes.

14. In addition to the 5.0 cfs of water from the three wells allowed under Permit #G-11376 for quasi-municipal purposes, the CRRWC holds only one other water right (Certificate #75144) authorizing the use of 0.06 cfs of water from Well #2 for irrigation of 4.4 acres.
15. Currently, under Permit #G-11376, the CRRWC utilizes CRRWC Well #1 and CRRWC Well #2 as its primary water sources and maintains CRRA Well #3 as an emergency stand-by source only.
16. CRRWC's delivery system is made up of two different service levels, being the upper level system in the northern portion of the Ranch supplied by CRRWC Well #1 and the lower level system in the southern portion of the Ranch supplied by CRRWC Well #2. CRRWC's water system also includes two reservoirs (Standpipe and Cistern) which are connected by a booster pumping station located at the Cistern Reservoir. The Standpipe Reservoir is located in the upper service level and capable of serving the entire system, but is primarily used for daily operations in the upper level system. The Cistern Reservoir is located in the lower service level and primarily serves the lower portion of the Ranch. During times of peak demand, however, CRRWC Well #2 sends water to the Cistern Reservoir which is pumped via the booster pumping station to the upper service level.
17. At this time, the CRRWC can pump 800 gpm each from CRRWC Wells #1 and #2 (or 1600 gpm total). Moving water from CRRWC Well #2 in the lower service level to the upper level system, however, is impaired because the pumps at the booster pumping station connecting the two service levels cannot pump more than 500 gpm. This system limitation results in a flow of only 1300 gpm being available to the upper service level. Additionally, the CRRA Well #3 is of little help as it is also located in the lower service level and subject to the same booster pumping station constraints.
18. Currently, CRRWC supplies domestic and fire protection flows to approximately 3500 people located within their current service boundary, being the northern portion of Crooked River Ranch. Residents in the southern portion of Crooked River Ranch rely upon private wells to supply their domestic use needs. Because these private wells cannot adequately meet water needs in the event of a house or wild fire, CRRWC also supplies water for fire protection to the southern portion of the Ranch through the Crooked River Ranch Rural Fire Protection District. All water used by the Fire Department on the Ranch, both to fight fires and suppress simulated fire events, is from the CRRWC system. (Section 2.1 of CRRWC's "Water Management and Conservation Plan - Sept 2003")

19. The fire marshal requires that fire protection flows of 1200 gpm be available for residential sites and 1500 gpm be available at commercial sites. Currently, because of the system limitations at the booster pumping station, CRRWC does not have access to adequate fire protection flows for commercial sites in the upper service level. Additionally, CRRWC's current reservoir storage is not adequate for fire protection in severe situations, such as a grassland wildfire.
20. On March 9, 2004, the CRRWC submitted permit amendment application #T-9663 proposing the addition of another well to be constructed in the upper service level of the system. The proposed well (CRRWC Well #3) will allow the CRRWC to provide system redundancy and an adequate level of fire protection, by meeting fire marshal fire flow requirements for commercial sites, currently unavailable in the upper service level. Additionally, the construction of a new well through the permit amendment process (#T-9663) is necessary because the Crooked River Ranch is not located near any potential water suppliers where an interconnection could be accomplished at a reasonable cost.
21. Once the additional well is drilled and operational, the CRRWC expects to utilize the full 5.0 cfs of water allowed under Permit #G-11376 within a relatively short time frame as the demand for the water already exists and is expected to increase further in the near future. Full beneficial use of the water is simply limited by the current constraints of the wells and water system.
22. Given the amount of development left to occur, the CRRWC's need to provide adequate flow for community fire protection, and considering the CRRWC's current water supply situation, the permittee's request to have until October 1, 2008, to complete construction of the water system and to complete the application of water to beneficial use under the terms of Permit #G-11376 is reasonable.

Good Cause [ORS 539.010(5), OAR 690-315-0080(1)(e) and (2)]

The Department's determination of good cause shall consider the requirements set forth under OAR 690-315-0080(2).

Reasonable Diligence and Good Faith of the Appropriator [ORS 537.230, ORS 537.630(1), ORS 539.010(5), OAR 690-315-0080(2)(a)(c) and (3)]

Reasonable diligence and good faith of the appropriator during the permit period constitutes a continuing test of whether and under what conditions to grant an extension. In determining the reasonable diligence and good faith of a municipal or quasi-municipal water use permit holder, the Department shall consider activities associated with the development of the right including, but not limited to, the items set forth under OAR 690-315-0080(3).

23. Prior to October 1, 1998, the following had occurred: construction of the CRRWC Well #1 was completed and subsequently repaired; CRRWC Well #2 was repaired; the cistern was repaired; a chlorination system and an emergency use generator were purchased; 1028 meter connections were established; the distribution system was expanded; and a 20-Year Master Plan was completed.
24. Since the October 1, 1998, the following has occurred: a Water Management and Conservation Plan consistent with OAR Chapter 690, Division 86 was completed and submitted; an additional 420 meter connections were established; and the distribution system was expanded with the installation of 10.5 miles of pipeline.
25. As of April 6, 2004, the permit holder has invested 40 percent of the total projected cost for complete development of this project, being an approximate total of \$2,024,700. An additional \$3,000,000 investment is anticipated for the completion of this project.
26. Since the issuance of Permit #G-11376 on November 18, 1991, approximately 3.75 cfs of water has been diverted from the wells for beneficial quasi-municipal purposes under the terms of the permit.

Financial Investment and Cost to Appropriate and Apply Water to a Beneficial Purpose [ORS 539.010(5), OAR 690-315-0080(2)(b)]

27. As of April 6, 2004, the permit holder has invested an approximate total of \$2,024,700 into the project consisting of complete construction of the CRRWC Well #1 and subsequent repairs; repairs made to CRRWC Well #2 and the cistern, the purchase of a chlorination system and an emergency use generator, the establishment of 1448 meter connections, the expansion of the distribution system including installation of 10.5 miles of pipeline; completion of a 20-Year Master Plan, and completion of a Water

Management and Conservation Plan consistent with OAR Chapter 690, Division 86. An additional \$3,000,000 investment is anticipated for the completion of this project.

The Market and Present Demands for Water *(ORS 539.010(5), OAR 690-315-0080(2)(d))*

28. As described in findings #14 through #21 above, a demand for the water under Permit #G-11376 currently exists, however, full beneficial use of the water has been limited by the constraints of the wells and water system. Additionally, these system limitations have placed the CRRWC in a position where fire marshal fire flow requirements are not being met for commercial sites located in the upper service level.
29. Based upon past growth trends, the CRRWC expects development in the community to continue and the demand for water to increase further in the near future.
30. The CRRWC must maintain Permit #G-11376 because the Crooked River Ranch is not located near any potential water suppliers where an interconnection could be accomplished at a reasonable cost.
31. In order to provide system redundancy and an adequate level of fire protection for the community, the CRRWC is pursuing a permit amendment (#T-9663) to add an additional well (CRRWC Well #3) to Permit #G-11376.
32. Given CRRWC's current water supply situation and their existing and expected needs, there is a market and present demand for the water to be supplied under Permit #G-11376.

Fair Return Upon Investment *(ORS 539.010(5), OAR 690-315-0080(2)(e))*

33. Use and income from the permitted water development project results in reasonable returns upon the investment made to date. Additionally, future rate fees collected from water service area expansions will provide funds necessary for water system updates and maintenance.

Other Governmental Requirements *(ORS 537.230(2), OAR 690-315-0080(2)(f))*

34. Delay in the development of this project was not caused by any other governmental requirements.

Events which Delayed Development under the Permit *[OAR 690-315-0080(2)(g)]*

35. Delay of development under Permit #G-11376 was due to the scope and nature of the project, which was designed to be phased in over a period of years as the lots were sold and homes built. Additionally, full beneficial use of the water under the permit has been limited by the constraints of the wells and water system.

CONCLUSIONS OF LAW

1. The applicant is entitled to apply for an extension of time to complete construction and/or completely apply water to the full beneficial use pursuant to ORS 537.230 and ORS 537.630.
2. The applicant has submitted a complete extension application form and the fee specified under ORS 536.050(1)(k), as required by OAR 690-315-0080(1)(a).
3. The applicant demonstrated that actual construction on the project began within the time specified in the permit, as required by OAR 690-315-0080(1)(b).
4. The time requested to complete construction of the water system and to apply water to full beneficial use is reasonable, as required by OAR 690-315-0080(1)(c).
5. Completion of construction and full application of water to beneficial use can be completed by October 1, 2008¹, [OAR 690-315-0080(1)(d)].
6. After considering the reasonable diligence and good faith of the appropriator, the financial investment made, the market and present demands for water, the fair return upon the investment, the requirements of other governmental

¹ Pursuant to ORS 537.630(3), upon the completion of beneficial use of water allowed under the permit, the permittee shall hire a certified water rights examiner to survey the appropriation. Within one year after the complete application of water to a beneficial use (or by the date allowed for the complete application of water to a beneficial use), the permittee shall submit a map of the survey and the claim of beneficial use.

agencies and uncontrollable events which delayed development under the permit, the Department has determined that the applicant has shown good cause for an extension to complete construction of the water system and complete the application of water to full beneficial use pursuant to OAR 690-315-0080(1)(e).

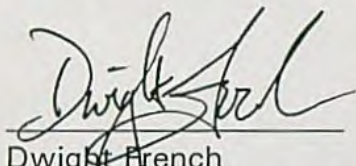
Proposed Order

Based upon the foregoing findings of fact and conclusions of law, the Department proposes to issue an order to:

Extend the time for complete construction of the water system under Permit #G-11376 from October 1, 1998, to October 1, 2008; and

Extend the time for complete application of water to beneficial use under Permit #G-11376 from October 1, 1998, to October 1, 2008.

DATED: May 25, 2004



Dwight French
Water Rights Section Manager

*If you have any questions,
please check the information
box on the last page for the
appropriate names and
phone numbers.*

Proposed Final Order Hearing Rights

1. Under the provisions of OAR 690-315-0100(1) and 690-315-0060, the applicant or any other person adversely affected or aggrieved by the proposed final order may request a contested case hearing on the proposed final order. Your request for contested case hearing must be in writing and must be received by the Water Resources Department no later than **Friday, July 9, 2004**, being 45 days from the date of publication of the proposed final order in the Department's weekly public notice.

2. A written request for contested case hearing shall include:
 - a. The name, address and telephone number of the petitioner;
 - b. A description of the petitioner's interest in the final order and if the protestant claims to represent the public interest, a precise statement of the public interest represented;
 - c. A detailed description of how the action proposed in the final order would adversely affect or aggrieve the petitioner's interest;
 - d. A detailed description of how the final order is in error or deficient and how to correct the alleged error or deficiency;
 - e. Any citation of legal authority supporting the petitioner, if known;
 - f. Proof of service of the petition upon the water right permit holder, if petitioner is other than the water right permit holder; and
 - g. The protest fee required under ORS 536.050.
3. Within 60 days after the close of the period for requesting a contested case hearing, the Director shall:
 - a. Issue a final order on the extension request; or
 - b. Schedule a contested case hearing if a request for contested case hearing has been submitted, and:
 - A. Upon review of the issues, the Director finds there are significant disputes related to the proposed agency action; or
 - B. The applicant submitted a timely request for a contested case hearing.

If you have other questions about the Department, or any of its programs, please contact our Water Rights Information Group at (503)986-0900. Address all other correspondence to:

Water Rights Section
Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, OR 97301-1271
Fax #: (503)986-0901

This document was prepared by Lisa J. Juul. If you have any questions about any of the statements contained in this document, I am most likely the best person to answer your questions. You may contact me by telephone at (503)986-0808.

If you have questions about how to file a protest or if you have previously filed a protest and want to know the status, please contact Renee Moulun. Her telephone number is (503)986-0824.

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

BEFORE THE WATER RESOURCES DEPARTMENT
OF THE
STATE OF OREGON

In the Matter of Permit Amendment)
T-9663, Jefferson and Deschutes Counties,)
Oregon)

FINAL ORDER

ORS 537.211 establishes the process in which a water right permit holder may submit a request to change the point of appropriation and/or place of use authorized under an existing water right permit.

Applicant

Crooked River Ranch Water Company,
P.O. Box 879,
Crooked River Ranch, Oregon 97760.

Findings of Fact

1. Crooked River Ranch Water Company filed an application to amend the point of appropriation of Well 3 under Permit G-11376. The Department assigned the application number T-9663.
2. The permit to be amended is as follows:

Permit: G-11376, in the name of Crooked River Ranch Water Company;
Use: Quasi-municipal;
Priority Date: June 18, 1991;
Quantity: 5.0 cubic feet per second (cfs), being 2.5 cfs from each well;
Source: Wells 2, 3, and 4, in the Crooked River Basin.
**Date Of
Complete
Application of
Water:** October 1, 2008.

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NOTICE OF RIGHT TO PETITION FOR RECONSIDERATION OR JUDICIAL REVIEW

This is an order other than a contested case. This order is subject to judicial review under ORS 183.484. Any petition 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 137-004-080 and OAR 690-01-005, you may either petition for judicial review or petition the Director for reconsideration of this order.

Authorized Points of Appropriation:

Township	Range	Meridian	Sec	¼ ¼	Lot	DLC	Location
13	S	12	E	W.M.	24	NW NW	Well 2 – 680 feet South and 780 feet East from the NW Corner of Section 24.
13	S	12	E	W.M.	24	SW SE	Well 3 – 80 feet North and 480 feet East from the S¼ Corner of Section 24.
13	S	12	E	W.M.	16	NE SE	Well 4 – 990 feet South and 680 feet West from the E¼ Corner of Section 16.

Authorized Place of Use:

Township	Range	Meridian	Sec	¼ ¼	Lot	DLC	Acres
13	S	12	E	W.M.	4	NW NW	
13	S	12	E	W.M.	4	SW SW	
13	S	12	E	W.M.	4	SE SW	
13	S	12	E	W.M.	5	NE NE	
13	S	12	E	W.M.	5	SE NE	
13	S	12	E	W.M.	5	SE SW	
13	S	12	E	W.M.	5	NE SE	
13	S	12	E	W.M.	5	NW SE	
13	S	12	E	W.M.	5	SW SE	
13	S	12	E	W.M.	5	SE SE	
13	S	12	E	W.M.	8	NE NE	
13	S	12	E	W.M.	8	NW NE	
13	S	12	E	W.M.	8	SW NE	
13	S	12	E	W.M.	8	SE NE	
13	S	12	E	W.M.	8	NE NW	
13	S	12	E	W.M.	9	NW NW	
13	S	12	E	W.M.	9	SW NW	
13	S	12	E	W.M.	9	SE NW	
13	S	12	E	W.M.	9	NE SW	
13	S	12	E	W.M.	9	NW SW	
13	S	12	E	W.M.	9	SW SW	
13	S	12	E	W.M.	9	SE SW	
13	S	12	E	W.M.	9	NE SE	
13	S	12	E	W.M.	9	NW SE	
13	S	12	E	W.M.	9	SW SE	
13	S	12	E	W.M.	9	SE SE	

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Township		Range		Meridian	Sec	¼ ¼		Lot	DLC	Acres
13	S	12	E	W.M.	10	SW	NW			
13	S	12	E	W.M.	10	SE	NW			
13	S	12	E	W.M.	10	NE	SW			
13	S	12	E	W.M.	10	NW	SW			
13	S	12	E	W.M.	10	SW	SW			
13	S	12	E	W.M.	10	SE	SW			
13	S	12	E	W.M.	10	SW	SE			
13	S	12	E	W.M.	10	SE	SE			
13	S	12	E	W.M.	13	SW	SW			
13	S	12	E	W.M.	14	SW	NE			
13	S	12	E	W.M.	14	NW	NW			
13	S	12	E	W.M.	14	SW	NW			
13	S	12	E	W.M.	14	SE	NW			
13	S	12	E	W.M.	14	NE	SW			
13	S	12	E	W.M.	14	NW	SW			
13	S	12	E	W.M.	14	SW	SW			
13	S	12	E	W.M.	14	SE	SW			
13	S	12	E	W.M.	14	NE	SE			
13	S	12	E	W.M.	14	NW	SE			
13	S	12	E	W.M.	14	SW	SE			
13	S	12	E	W.M.	14	SE	SE			
13	S	12	E	W.M.	15	NE	NE			
13	S	12	E	W.M.	15	NW	NE			
13	S	12	E	W.M.	15	SW	NE			
13	S	12	E	W.M.	15	SE	NE			
13	S	12	E	W.M.	15	NE	NW			
13	S	12	E	W.M.	15	NW	NW			
13	S	12	E	W.M.	15	SW	NW			
13	S	12	E	W.M.	15	SE	NW			
13	S	12	E	W.M.	15	NE	SW			
13	S	12	E	W.M.	15	NW	SW			
13	S	12	E	W.M.	15	SW	SW			
13	S	12	E	W.M.	15	SE	SW			
13	S	12	E	W.M.	15	NE	SE			
13	S	12	E	W.M.	15	NW	SE			
13	S	12	E	W.M.	15	SW	SE			
13	S	12	E	W.M.	15	SE	SE			
13	S	12	E	W.M.	16	NE	NE			

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Township		Range		Meridian	Sec	¼ ¼		Lot	DLC	Acres
13	S	12	E	W.M.	16	NW	NE			
13	S	12	E	W.M.	16	SW	NE			
13	S	12	E	W.M.	16	SE	NE			
13	S	12	E	W.M.	16	NE	NW			
13	S	12	E	W.M.	16	NW	NW			
13	S	12	E	W.M.	16	SW	NW			
13	S	12	E	W.M.	16	SE	NW			
13	S	12	E	W.M.	16	NE	SW			
13	S	12	E	W.M.	16	NW	SW			
13	S	12	E	W.M.	16	SW	SW			
13	S	12	E	W.M.	16	SE	SW			
13	S	12	E	W.M.	16	NE	SE			
13	S	12	E	W.M.	16	NW	SE			
13	S	12	E	W.M.	16	SW	SE			
13	S	12	E	W.M.	16	SE	SE			
13	S	12	E	W.M.	17	NE	NE			
13	S	12	E	W.M.	17	SE	NE			
13	S	12	E	W.M.	17	NE	SE			
13	S	12	E	W.M.	17	SE	SE			
13	S	12	E	W.M.	21	NE	NE			
13	S	12	E	W.M.	21	NW	NE			
13	S	12	E	W.M.	21	SW	NE			
13	S	12	E	W.M.	21	SE	NE			
13	S	12	E	W.M.	21	NE	NW			
13	S	12	E	W.M.	21	NW	NW			
13	S	12	E	W.M.	21	SW	NW			
13	S	12	E	W.M.	21	SE	NW			
13	S	12	E	W.M.	22	NE	NE			
13	S	12	E	W.M.	22	NW	NE			
13	S	12	E	W.M.	22	SW	NE			
13	S	12	E	W.M.	22	SE	NE			
13	S	12	E	W.M.	22	NE	NW			
13	S	12	E	W.M.	22	NW	NW			
13	S	12	E	W.M.	22	SW	NW			
13	S	12	E	W.M.	22	SE	NW			
13	S	12	E	W.M.	22	NW	SW			
13	S	12	E	W.M.	22	NE	SE			
13	S	12	E	W.M.	22	NW	SE			

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Township	Range	Meridian	Sec	¼ ¼	Lot	DLC	Acres
13	S	12	E	W.M.	22	SE SE	
13	S	12	E	W.M.	23	NE NE	
13	S	12	E	W.M.	23	NW NE	
13	S	12	E	W.M.	23	SW NE	
13	S	12	E	W.M.	23	SE NE	
13	S	12	E	W.M.	23	NE NW	
13	S	12	E	W.M.	23	SE NW	
13	S	12	E	W.M.	23	NE SW	
13	S	12	E	W.M.	23	SE SW	
13	S	12	E	W.M.	23	NE SE	
13	S	12	E	W.M.	23	NW SE	
13	S	12	E	W.M.	23	SW SE	
13	S	12	E	W.M.	23	SE SE	
13	S	12	E	W.M.	24	NE NW	
13	S	12	E	W.M.	24	NW NW	
13	S	12	E	W.M.	24	SW NW	
13	S	12	E	W.M.	24	SE NW	
13	S	12	E	W.M.	24	NE SW	
13	S	12	E	W.M.	24	NW SW	
13	S	12	E	W.M.	24	SW SW	
13	S	12	E	W.M.	24	SE SW	
13	S	12	E	W.M.	24	NE SE	
13	S	12	E	W.M.	24	NW SE	
13	S	12	E	W.M.	24	SW SE	
13	S	12	E	W.M.	24	SE SE	
13	S	12	E	W.M.	25	NE NE	
13	S	12	E	W.M.	25	NW NE	
13	S	12	E	W.M.	25	SW NE	
13	S	12	E	W.M.	25	SE NE	
13	S	12	E	W.M.	25	NE NW	
13	S	12	E	W.M.	25	NW NW	
13	S	12	E	W.M.	25	SW NW	
13	S	12	E	W.M.	25	SE NW	
13	S	12	E	W.M.	25	NE SW	
13	S	12	E	W.M.	25	NW SW	
13	S	12	E	W.M.	25	SW SW	
13	S	12	E	W.M.	25	SE SW	
13	S	12	E	W.M.	25	NE SE	

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WATER RESOURCES DEPT
SALEM, OREGON

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WATER RESOURCES DEPT
SALEM, OREGON

Township	Range	Meridian	Sec	¼ ¼	Lot	DLC	Acres
13	S	12	E	W.M.	25	NW SE	
13	S	12	E	W.M.	25	SW SE	
13	S	12	E	W.M.	25	SE SE	
13	S	12	E	W.M.	26	NE NE	
13	S	12	E	W.M.	26	NW NE	
13	S	12	E	W.M.	26	SW NE	
13	S	12	E	W.M.	26	SE NE	
13	S	12	E	W.M.	26	NE NW	
13	S	12	E	W.M.	26	NW NW	
13	S	12	E	W.M.	26	SW NW	
13	S	12	E	W.M.	26	SE NW	
13	S	12	E	W.M.	26	NE SW	
13	S	12	E	W.M.	26	NW SW	
13	S	12	E	W.M.	26	SW SW	
13	S	12	E	W.M.	26	SE SW	
13	S	12	E	W.M.	26	NE SE	
13	S	12	E	W.M.	26	NW SE	
13	S	12	E	W.M.	26	SW SE	
13	S	12	E	W.M.	26	SE SE	
13	S	12	E	W.M.	27	NE NE	
13	S	12	E	W.M.	27	NW NE	
13	S	12	E	W.M.	27	SW NE	
13	S	12	E	W.M.	27	SE NE	
13	S	12	E	W.M.	27	NE NW	
13	S	12	E	W.M.	27	NW NW	
13	S	12	E	W.M.	27	SE NW	
13	S	12	E	W.M.	27	NE SW	
13	S	12	E	W.M.	27	SW SW	
13	S	12	E	W.M.	27	SE SW	
13	S	12	E	W.M.	27	NE SE	
13	S	12	E	W.M.	27	NW SE	
13	S	12	E	W.M.	27	SW SE	
13	S	12	E	W.M.	27	SE SE	
13	S	12	E	W.M.	34	NE NE	
13	S	12	E	W.M.	34	NW NE	
13	S	12	E	W.M.	34	SW NE	
13	S	12	E	W.M.	34	NE NW	
13	S	12	E	W.M.	34	NW NW	

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SALEM, OREGON

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WATER RESOURCES DEPT
SALEM, OREGON

Township		Range		Meridian	Sec	¼ ¼		Lot	DLC	Acres
13	S	12	E	W.M.	34	SW	NW			
13	S	12	E	W.M.	34	SE	NW			
13	S	12	E	W.M.	34	NE	SW			
13	S	12	E	W.M.	34	SE	SW			
13	S	12	E	W.M.	34	NE	SE			
13	S	12	E	W.M.	34	NW	SE			
13	S	12	E	W.M.	34	SW	SE			
13	S	12	E	W.M.	34	SE	SE			
13	S	12	E	W.M.	35	NE	NE			
13	S	12	E	W.M.	35	NW	NE			
13	S	12	E	W.M.	35	SW	NE			
13	S	12	E	W.M.	35	SE	NE			
13	S	12	E	W.M.	35	NE	NW			
13	S	12	E	W.M.	35	NW	NW			
13	S	12	E	W.M.	35	SW	NW			
13	S	12	E	W.M.	35	SE	NW			
13	S	12	E	W.M.	35	NE	SW			
13	S	12	E	W.M.	35	NW	SW			
13	S	12	E	W.M.	35	SW	SW			
13	S	12	E	W.M.	35	SE	SW			
13	S	12	E	W.M.	35	NE	SE			
13	S	12	E	W.M.	35	NW	SE			
13	S	12	E	W.M.	35	SW	SE			
13	S	12	E	W.M.	35	SE	SE			
13	S	12	E	W.M.	36	NE	NE			
13	S	12	E	W.M.	36	NW	NE			
13	S	12	E	W.M.	36	SW	NE			
13	S	12	E	W.M.	36	NE	NW			
13	S	12	E	W.M.	36	NW	NW			
13	S	12	E	W.M.	36	SW	NW			
13	S	12	E	W.M.	36	SE	NW			
13	S	12	E	W.M.	36	NE	SW			
13	S	12	E	W.M.	36	NW	SW			
13	S	12	E	W.M.	36	SW	SW			
13	S	12	E	W.M.	36	SE	SW			
13	S	12	E	W.M.	36	NE	SE			
13	S	12	E	W.M.	36	NW	SE			
13	S	12	E	W.M.	36	SW	SE			

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SALEM, OREGON

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WATER RESOURCES DEPT
SALEM, OREGON

Township		Range		Meridian	Sec	¼ ¼		Lot	DLC	Acres
13	S	12	E	W.M.	36	SE	SE			
13	S	13	E	W.M.	31	SW	SW			
13	S	13	E	W.M.	31	SE	SW			
13	S	13	E	W.M.	31	SW	SE			
14	S	12	E	W.M.	1	NE	NE			
14	S	12	E	W.M.	1	NW	NE			
14	S	12	E	W.M.	1	NE	NE			
14	S	12	E	W.M.	1	NW	NW			
14	S	12	E	W.M.	1	SW	NW			
14	S	12	E	W.M.	2	NE	NE			
14	S	12	E	W.M.	2	NW	NE			
14	S	12	E	W.M.	2	SE	NE			
14	S	12	E	W.M.	2	NW	SW			
14	S	12	E	W.M.	2	SW	SW			
14	S	12	E	W.M.	2	SE	SW			
14	S	12	E	W.M.	3	NE	NE			
14	S	12	E	W.M.	3	NW	NE			
14	S	12	E	W.M.	3	SW	NE			
14	S	12	E	W.M.	3	SE	NE			
14	S	12	E	W.M.	3	NE	NW			
14	S	12	E	W.M.	3	NW	NW			
14	S	12	E	W.M.	3	SW	NW			
14	S	12	E	W.M.	3	SE	NW			
14	S	12	E	W.M.	3	NE	SW			
14	S	12	E	W.M.	3	NW	SW			
14	S	12	E	W.M.	3	SW	SW			
14	S	12	E	W.M.	3	SE	SW			
14	S	12	E	W.M.	3	NE	SE			
14	S	12	E	W.M.	3	NW	SE			
14	S	12	E	W.M.	3	SW	SE			
14	S	12	E	W.M.	3	SE	SE			
14	S	12	E	W.M.	11	NW	NW			
14	S	13	E	W.M.	6	NW	NE			
14	S	13	E	W.M.	6	NE	NW			
14	S	13	E	W.M.	6	NW	NW			

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SALEM, OREGON

3. Application T-9663 proposes to change the point of appropriation of Well 3 under the permit to:

Township		Range		Meridian	Sec	¼ ¼		Lot	DLC	Location
13	S	12	E	W.M.	16	NW	SE			Crater Loop Road Well 3 – 2550 feet North and 2100 feet West from the SE Corner of Section 16.

4. Notice of the application for permit amendment was published pursuant to ORS 540.520(5). No comments were filed in response to the notice.
5. The change would not result in injury to other water rights.
6. The change does not enlarge the permit.
7. The change does not alter any other terms of the permit.
8. Approval of this permit amendment does not grant the permittee permission to trespass on lands not owned by the permittee.

Conclusion of Law

The change in point of appropriation of Well 3 proposed by Permit Amendment Application T-9663 is consistent with the requirements of ORS 537.211.

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SALEM, OREGON

ALLEN, SHERIDAN & McCLANAHAN, LLP

ATTORNEYS AT LAW

WM. G. SHERIDAN, JR.

PORTLAND CENTER COMMERCIAL BLDG.
190 S.W. HARRISON ST.
PORTLAND, OREGON 97201

TELEPHONE (503) 224-4840
FACSIMILE (503) 299-6663
EMAIL WGSESQ@AOL.COM

APPLICATION FOR EXTENSION OF TIME

for Quasi-Municipal and Municipal Water Use Permits

TO THE WATER RESOURCES DIRECTOR OF OREGON

I, CROOKED RIVER RANCH WATER Co. JAMES ROOKS Manager
NAME OF ENTITY NAME OF CONTACT

P.O. Box 1388 CROOKED RIVER RANCH, OR 97760 541-923-1041
ADDRESS CITY STATE ZIP PHONE

owner of record, or duly authorized agent, of Application No. 6-12579, Permit No. 6-11376,
do hereby request that the time in which to:

- ☒ complete the construction of diversion/appropriation works and/or purchase and installation of the equipment necessary to the use of water, which time now expires on October 1, 1998, be extended to October 1, 2009, 2008 - See E-Mail rcd on 5-3-04
- and/or the time in which to:

- ☒ accomplish beneficial use of water to the full extent under the terms of the permit, which time now expires on October 1, 1998, be extended to October 1, 2009, 2008 - See E-Mail rcd on 5-3-04

NOTE:

Permit extensions for Quasi-Municipal and Municipal permits are evaluated under OAR Chapter 690, Division 315. Except under limited circumstances, upon issuance of an order approving an extension, you will be required to submit within 3 years a Water Management and Conservation Plan (WMCP) under OAR Chapter 690, Division 86. Diversion of water beyond the maximum rate currently diverted under the permit shall only be authorized upon approval of your WMCP. The rules may be viewed at: "www.wrd.state.or.us/law/oar1999.shtml"

Attached are instructions to assist you in completing the information on the permit extension application form. Oregon Water Law and Administrative Rules require this information to be considered by the Water Resources Department when reviewing a Quasi-Municipal or Municipal water use permit extension application. For each permit, a separate extension application must be submitted. All items must be addressed or the application may be returned. Please feel free to provide the Department with any additional information or evidence that will aid us in making our decision. Please use additional sheets of paper as needed to fully respond to the questions.

After reviewing the application form and the instruction sheet, if you have any questions, you may contact the Department at (503) 378-3739, and request assistance from the Water Rights Division, permit extensions personnel.

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Page 1 of 3

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WATER RESOURCES DEPT
SALEM, OREGON

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WATER RESOURCES DEPT
SALEM, OREGON

APPLICATION FOR EXTENSION OF TIME
of Quasi-Municipal and Municipal Water Use Permits

1. The appropriate fee, as specified under ORS 536.050.

A check in the amount of \$100 is attached.

2. For water use permits, evidence of the actions taken to begin actual construction on the project, if required under the applicable statute.

The Water Conservation and Management Plan has been completed.

3. Evidence of actions taken to develop the right within the permitted time period and/or time period of the previous extension.

A) CRRWC has submitted the paperwork to show that we have met the beneficial use and are applying for the certificate.

B) The Water Management and Conservation Plan has been completed.

C) See attached info from 4/3/00 extension app. #3.

4. Evidence of compliance with conditions contained in the permit and any previous extension(s). If any of the conditions have not been satisfied, please explain the reason(s) why.

No evidence needed. The Water Management and Conservation Plan has been completed and submitted.

5. Evidence of the maximum rate of water diverted to date, if any, for Quasi-Municipal or Municipal purposes.

Total water usage from Wells #2, 3, and 4:

10/95 - 9/96	25,670,595 cubic feet
10/96 - 9/97	26,168,084 cubic feet
10/97 - 9/98	27,689,435 cubic feet
10/98 - 9/99	29,201,495 cubic feet
10/99 - 12/99	2,770,800 cubic feet
01/00 - 12/00	18,017,247 cubic feet
01/01 - 12/01	20,707,500 cubic feet
01/02 - 12/02	22,680,700 cubic feet

max. rate 3.75 cfs
see attached peak
daily use chart.

6. An estimate of the population served under this permit and a description of the methodology(ies) used to make this estimate.

At this time, CRRWC has approximately 3500 persons which it serves. This number is based on 1448 connections . 2.5 persons per household.

7. A description of the financial expenditures made toward completion of the water development.

Wages and investigation time and cost total approximately \$24,700,

plus Expansion Cost of App. 2 million.

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SALEM, OREGON

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WATER RESOURCES DEPT
SALEM, OREGON

8. An estimate of the cost necessary to complete the water development.

Administrative fees (wages, copy charges, etc.) Total approximately \$15,000. *3 million sick Apr-03-04*

9. A summary of any events that delayed completion of the water development or application of water to full beneficial use, including other governmental requirements, if any, relating to the project that have significantly delayed completion of construction or perfection of the right.

The extent of investigation and research needed to complete the plan, plus the expense of the research and writing of the plan, has delayed the process. *Added 10 1/2 mi of pipeline, waiting for lot buildout.*

10. An estimated demand projection and a description of the methodology(ies) used for the subject water right permit, considering the other water rights and contracts held by the municipal or quasi-municipal water use permit holder, and a date by which the water development is anticipated to be completed and water put to full beneficial use.

A "Claim of Beneficial Use Site Report" has been submitted to WRD for CRRWC. It has been determined that CRRWC has met beneficial use, perfected the water right, and is applying for a certificate. *9/03*
Growth & projected build out rules indicate growth requirements will exceed water availability. Water needed for service & fire flows

11. A summary of the plan and schedule to complete construction and/or perfect the water right.

Paperwork has been submitted to WRD to show that CRRWC is applying the water to full beneficial use, and requesting a certificate for our water rights. *Complete current expansion of system (already expended over \$2 million) & drill new well.*

12. Justification for the time requested to complete the project and/or apply the water to full beneficial use. *five*

CRRWC is requesting a permit extension of one (5) year in order for WRD to review and approve our request for certification of our water rights and to approve our Water Conservation and Management plan. *to prove up on the full 5.0 cfs*

13. Any other information you wish the Department to consider while evaluating the extension of time application.

There are approximately 3500 persons on the water system at this time. Our climate is high plains desert. Without adequate fire protection, it would be impossible to live here. These water rights are invaluable to the residents of Crooked River Ranch and to the members of this water company. We respectfully request that WRD

There are an additional 1500 persons not on the water system but who receive fire protection.

provide this extension as requested. If you require any additional information, please contact James Rooks, General Manager, at 541-923-1041.

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SALEM, OREGON

In order for the Department to evaluate your extension of time request for a Quasi-Municipal or Municipal water use permit, please provide the following:

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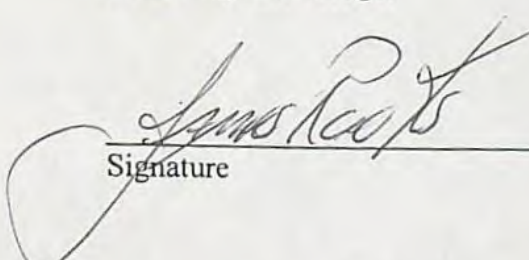
WATER RESOURCES DEPT
SALEM, OREGON

1. The appropriate fee, as specified under ORS 536.050.
2. For Quasi-Municipal water use permits, evidence of the actions taken to begin actual construction on the project, if required under the applicable statute.
3. Evidence of actions taken to develop the right within the permitted time period and/or time period of the previous extension.
4. Evidence of compliance with conditions contained in the permit and any previous extension(s). If any of the conditions have not been satisfied, please explain the reason(s) why.
5. Evidence of the maximum rate of water diverted to date, if any, for Quasi-Municipal or Municipal purposes.
6. An estimate of the population served under this permit and a description of the methodology(ies) used to make this estimate.
7. A description of the financial expenditures made toward completion of the water development.
8. An estimate of the cost necessary to complete the water development.
9. A summary of any events that delayed completion of the water development or application of water to full beneficial use, including other governmental requirements, if any, relating to the project that have significantly delayed completion of construction or perfection of the right.
10. An estimated demand projection and a description of the methodology(ies) used for the subject water right permit, considering the other water rights and contracts held by the municipal or quasi-municipal water use permit holder, and a date by which the water development is anticipated to be completed and water put to full beneficial use.

Extension requests for greater than 50 years must include documentation that the demand projection is consistent with the amount and types of lands and uses proposed to be served by the permit holder.

11. A summary of the plan and schedule to complete construction and/or perfect the water right.
12. Justification for the time requested to complete the project and/or apply the water to full beneficial use.
13. Any other information you wish the Department to consider while evaluating the extension of time application.

I am the permittee, or have authorization from the permittee, to apply for an extension of time under this permit. I certify that the information I have provided in this application is true and correct to the best of my knowledge.


Signature

4/6/04
Date

MAIL COMPLETED APPLICATION and STATUTORY FEE (under ORS 536.050) TO:

WATER RIGHT PERMIT EXTENSIONS
WATER RESOURCES DEPARTMENT
158 - 12th STREET NE
SALEM, OREGON 97301-4172

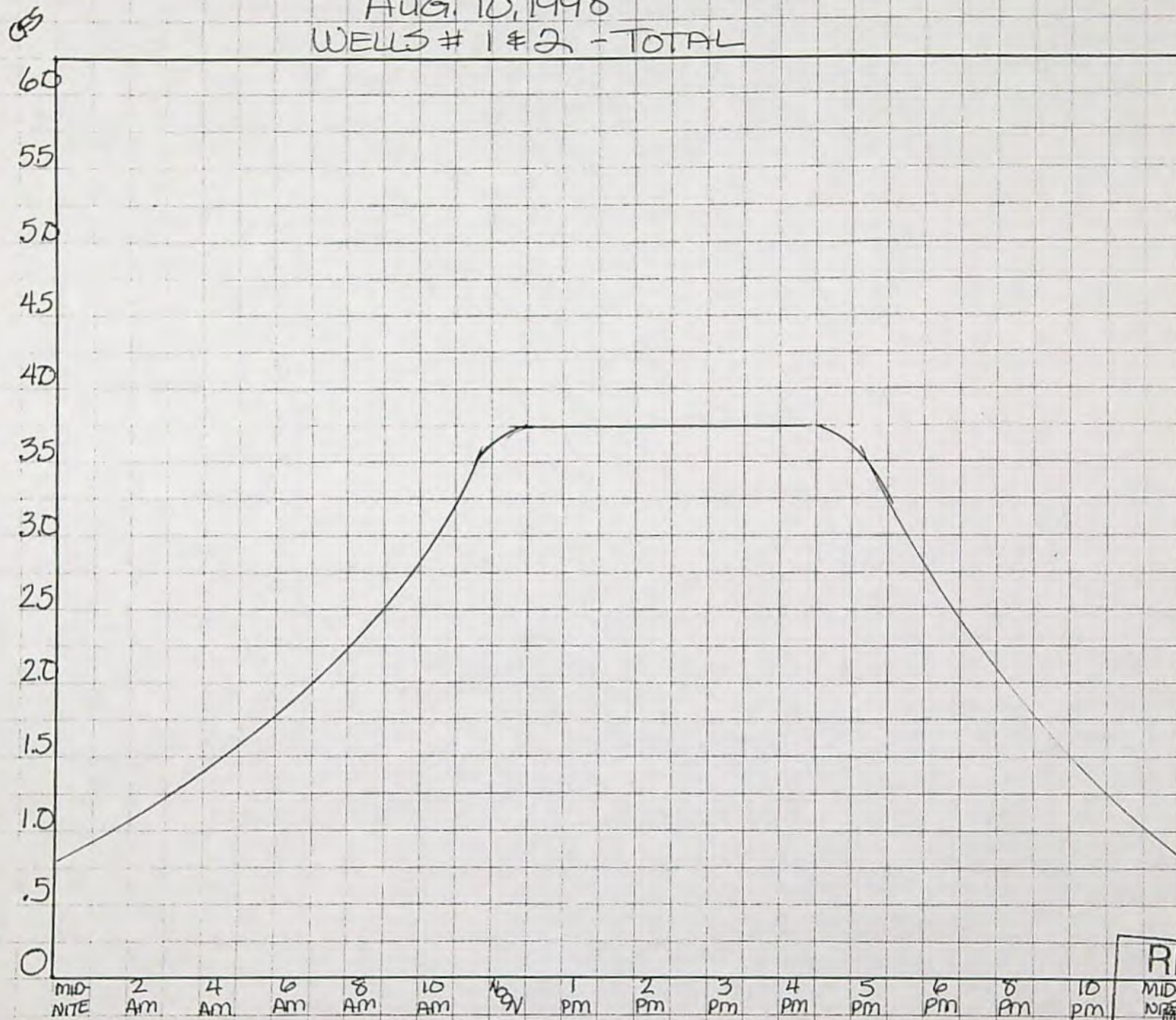
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WATER RESOURCES DEPT
SALEM, OREGON

PEAK DAILY USE
AUG. 10, 1998
WELLS # 1 & 2 - TOTAL

CRRWC



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MID-NITE
MAR 15 2004
WATER RESOURCES DEPT
SALEM, OREGON

**STATE OF OREGON
WATER RESOURCES DEPARTMENT**

RECEIPT # **36665**

158 12TH ST. N.E.
SALEM, OR 97310-0210
378-8455 / 378-8130 (FAX)

INVOICE # _____

RECEIVED FROM: Crooked River Ranch
BY: Water Company

APPLICATION	7-12579
PERMIT	
TRANSFER	

CASH: ☐ CHECK: # 96-455 OTHER: (IDENTIFY) ☐

TOTAL REC'D \$ 100.00

0417 WRD MISC CASH ACCT

ADJUDICATIONS

\$

PUBLICATIONS / MAPS

\$

OTHER: (IDENTIFY) _____

\$

OTHER: (IDENTIFY) _____

\$

REDUCTION OF EXPENSE

CASH ACCT.

\$

PCA AND OBJECT CLASS

VOUCHER #

0427 WRD OPERATING ACCT

MISCELLANEOUS

0407

COPY & TAPE FEES

\$

0410

RESEARCH FEES

\$

0408

MISC REVENUE: (IDENTIFY) _____

\$

(New)

TC162

DEPOSIT LIAB. (IDENTIFY) _____

\$

WATER RIGHTS:

EXAM FEE

RECORD FEE

0201

SURFACE WATER

\$

0202

\$

0203

GROUND WATER

\$

0204

\$

0205

TRANSFER

\$

0206

\$

WELL CONSTRUCTION

EXAM FEE

LICENSE FEE

0218

WELL DRILL CONSTRUCTOR

\$

0219

\$

LANDOWNER'S PERMIT

0220

\$

OTHER

(IDENTIFY) Extension

\$ 100.00

0437 WELL CONST. START FEE

0211

WELL CONST START FEE

\$

CARD #

0210

MONITORING WELLS

\$

CARD #

OTHER

(IDENTIFY) _____

0539 LOTTERY PROCEEDS

1302

LOTTERY PROCEEDS

\$

0467 HYDRO ACTIVITY

LIC NUMBER

0233

POWER LICENSE FEE (FW/WRD)

\$

0231

HYDRO LICENSE FEE (FW/WRD)

\$

HRDRO APPLICATION

\$

RECEIPT #

36665

DATED: 4.3.00

BY: Amanda Bernal

Distribution-White Copy-Customer, Yellow Copy-Fiscal, Blue Copy-File, Buff Copy-Fiscal

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APR 03 2000

WATER RESOURCES DEPT.
SALEM, OREGON

APPLICATION FOR EXTENSION OF TIME
TO THE WATER RESOURCES DIRECTOR OF OREGON

I, CROOKED RIVER RANCH WATER COMPANY
NAME

PO BOX 1388 CROOKED RIVER RANCH, OR 97760 541-923-1041
ADDRESS CITY STATE ZIP PHONE

owner of record, or duly authorized agent, of Application No. G-12579, Permit No. G-11376, do hereby request that the time in which to:

☒ complete the construction of diversion/appropriation works and/or purchase and installation of the equipment necessary to the use of water, which time now expires on October 1, 1999, be extended to October 1, 2006,

and/or the time in which to:

☒ accomplish beneficial use of water to the full extent under the terms of the permit, which time now expires on October 1, 1999, be extended to October 1, 2006.

NOTE: The extension of time requested should be long enough to finish the project. Should this request be approved, it will be the Department's expectation that you will complete your project within the new time period allowed. Future extensions may not be granted.

Attached is an instruction sheet to assist you in completing the information on the permit extensions application form. Oregon Water Law and Administrative Rules requires this information to be considered by the Water Resources Department when reviewing a permit extension. All items must be completed or the application will be returned. Please feel free to provide the Department with any additional information that would aid us in making our decision. Please use additional sheets of paper as needed to fully respond to the questions.

After reviewing the application form and the instruction sheet, if you have any questions, please contact the Department at 1-800-624-3199, or locally in the Salem vicinity at (503) 378-3739, and request assistance from the Water Rights Division, permit extensions personnel.

1-Did water system construction/well drilling begin within the time specified in the permit [yes/no]?
Yes

2-Has construction of diversion/appropriation works, distribution system, and use of water, if any, been accomplished consistent with the limitations and conditions of this permit [yes/no]? Yes

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A) Please describe how you have complied with each applicable permit condition (NOTE: the instruction sheet for permit extension applications provides some direction as to what is an "applicable" condition at time of permit extension review). A Water Management and Conservation Plan is approximately half completed. A 20 Year Master Plan was completed in 1997.

B) If you have not complied with all applicable conditions, please explain the reasons why and indicate a date certain, in the near future, by which time you will be in compliance with applicable conditions. Three managers in 18 months has disrupted the flow of information regarding projects that needed to be completed. Present management was not aware of this deadline until receipt of a letter from OWRD on 9/17/99. As plans are underway to expand the system, we are asking that this deadline be extended until 10/1/2006.

3-I have accomplished the following described works, purchases and installation of equipment necessary to the use of water under said permit:

A) Within the past year or, if a prior extension was authorized, during the last permit extension period: The well #4 project was completed 12/95 at a cost of \$404,000. At that time, we had 1028 meter connections and that number has increased to 1237 meters. The 20 Year Plan was completed at a cost of \$25,500. An additional \$90,360 has been spent for repairs to well #2 and the cistern, the purchase of a chlorination system and an emergency use generator, and emergency repairs to well #4 when the shaft broke.

B) Prior to the past year or, if a prior extension was authorized, prior to the last extension period: Added approximately 100 meters to existing line. Excavated and prepared site for third well (well #4). Had two working (on line) wells completed. Aggressively pursued 800 homesites available to be on (then) current line for hook up.

C) I have accomplished beneficial use of water under the permit to the extent of (amount of water used or acres irrigated): Total water usage from wells #2, #3 and #4:

10/95 - 9/96 25,670,595 cubic feet

10/96 - 9/97 26,168,084 cubic feet

10/97 - 9/98 27,689,435 cubic feet

10/98 - 9/99 29,201,495 cubic feet

Total residential water use 62,874,429 cubic feet

Total irrigation water use 45,855,180 cubic feet

4-Cost of project to date \$519,860. Estimated remaining cost to complete the project \$3,000,000

5-Please list the reasons why the project was not constructed, and/or water not beneficially used within permit time limits under the appropriate categories below. Please provide supporting information for each reason identified.

A) The project is of a size and scope that the original intent was to phase it in over a period longer than the timeframes allowed in the permit. Although well #4 was completed and went on line to provide adequate water to the existing 1600 lots in our service area, the growth of CRR prompted a plan to increase services to 1932 lots in 2003, and to include all 2630 lots in CRR by the year 2017 (see enclosed charts). In 1997 a high growth, high demand projection of 6% was actually a 6.3% increase in growth and demand.

B) Financing and/or cash-flow needs to develop the project precluded completion of the project within authorized timeframes. Expansion of our service area will cost an estimated \$3 million, or approximately \$250,000 per year, except for one year when needed improvements will cost approximately \$525,000.

C) Good faith attempts to comply with permit conditions and/or to acquire permits from other agencies, or otherwise comply with government regulations, delayed completion of the project.

N/A

D) Acts of God or other unforeseen events delayed full development of the water system and use of water. The unforeseen cost increases of repairs and equipment in the last few years was not adequately planned for by this company.

6-Please identify the economic market or markets to which beneficial use of water under the permit is responding. Active water meter connections have increased over 5% per year.

10/95 - 9/96 1020 meters to 1071 meters

10/95 - 9/97 1079 meters to 1122 meters

10/97 - 9/98 1128 meters to 1164 meters
10/98 - 9/99 1165 meters to 1237 meters

A) Has there been any change in this market since the permit was issued? Added connections have increased water usage from 3% to 10.4% every year, for an average water usage increase of 5% per year. A high growth, high demand projection of 6% has been exceed, and may continue for several years.

B) Have these changes, if any, affected the economic feasibility of your project? New connection fees have been used for capital improvements since the founding of the company, and when our service area is built out, these funds will no longer be available. To continue capital improvements without seeking alternative financing, our service area must be expanded.

7-Are there other present competing demands for water in your community? yes. There are approximately 300 private wells in areas outside our service area.

A) Has there been any change in these demands for water since the permit was issued? yes. As growth increases at CRR outside of our service area, more private wells are drilled every year.

B) Are you aware of alternative sources of water that may be able to satisfy the competing demands? No.

C) Are you aware of any adverse affects on your source of water that may have been caused by recent changes in use of water in your community? No.

8-Will the income or use from the water development project authorized by this permit provide reasonable returns against the investment in the project? Yes. The fees collected from the expansion of our service area will provide the necessary funds to bring our aging water system up to date. Once the expansion is complete, the additional revenue from water rates will maintain the system.

9-If the extension request is denied, is the current level of water use economically feasible? We have 396 remaining water sites today. At the present rate of growth, these will be sold within the next 5 to 7 years. We can increase our service area by 272 meters when the first expansion phase is completed. If we are unable to expand, an annual revenue from connection fees of approximately \$84,000 to \$118,000 (at the present fee) will be ended.

I am the permittee, or have authorization from the permittee, to apply for an extension of time under this permit. I understand that false or misleading statements in this extension application are grounds for the Department to suspend processing of the request and/or reason to deny the extension.


Signature

10/12/99
Date

MAIL COMPLETED APPLICATION AND STATUTORY FEE OF \$ 100 TO:

WATER RIGHT PERMIT EXTENSIONS
WATER RESOURCES
158 12TH ST NE
SALEM, OREGON 97310

Table 6-1
Crooked River Ranch Water Company
Capital Improvement Program (CIP)

			Estimated Capital Cost during Year of Construction ⁽³⁾									
CIP Proj ID # ⁽¹⁾	Project Title	Estimated Capital Cost in 1997 Dollars ⁽²⁾	1998	1999	2000	2001	2002	2003	2004 to 2010 ⁽⁴⁾	2011 to 2014 ⁽⁵⁾		
Source												
SO-1	Convert Well #2 to Production Status	\$34,000	\$ 36,040									
SO-2	New Well #5 (Scenario C2)	\$1,160,500							\$ 2,078,279			
SO-3	Annual Source Renewal and Replacement	\$7,500	\$ 7,950	\$ 8,427	\$ 8,933	\$ 9,469	\$ 10,037	\$10,639	\$ 80,588	\$71,897		
WQ-1	Continuous Disinfection Well #4	\$29,000	\$ 30,740									
WQ-2	Continuous Disinfection Well #2	\$29,000	\$ 30,740									
Storage												
ST-1	Resurface Tower	\$187,000	\$ 198,220									
ST-2	Tower Overflow Drainage Improvements	\$20,500		\$ 23,034								
ST-3	Tower Security Fencing	\$21,000		\$ 23,596								
ST-4	Cistern Repair	\$10,500	\$ 11,130									
ST-5	New 1.8 MG Reservoir	\$1,350,000							\$ 2,417,644			
Distribution												
DI-1	Annual Distribution Piping Extensions	\$180,000	\$ 190,800	\$ 202,248	\$ 214,383	\$ 227,246	\$ 240,881	\$255,333	\$ 1,934,116	\$1,725,522		
DI-2	Annual Pipe Renewal and Replacement	\$15,000	\$ 15,900	\$ 16,854	\$ 17,865	\$ 18,937	\$ 20,073	\$21,278	\$ 161,176	\$143,793		
Operation & Management												
OM-1	New Meter for Standpipe Customers	\$1,000	\$ 1,060									
OM-2	Annual Meter Renewal and Replacement	\$1,000	\$ 1,060	\$ 1,124	\$ 1,191	\$ 1,262	\$ 1,338	\$1,419	\$ 10,745	\$9,586		
TOTAL		3,046,000	\$523,640	\$275,282	\$242,372	\$256,914	\$272,329	\$288,669	\$6,682,548	\$1,950,798		

Notes:

- (1) SO: Source, WQ: Water Quality, ST: Storage, DI: Distribution, OM: Operation and Management
 (2) ENR CCI for Seattle for May 1997 = 6,466.29
 (3) Costs escalated at estimated 6 percent per year
 (4) Costs estimated for 2007
 (5) Costs estimated for 2012

Table 3-2
Water Demand Forecast

Scenario	1997	2003	2017
High (6.0% Growth, High Demand)			
Number of Connections [Meters] ⁽¹⁾	1,147	1,627	3,679 ⁽²⁾
Average Demand [gpd] ⁽³⁾	422,096	621,514	1,405,378
[gpm]	293	432	976
Peak Demand [gpd] ⁽³⁾	970,362	1,428,353	3,229,819
[gpm]	674	992	2,243
Medium (4.3% Growth, Typical Demand)			
Number of Connections [Meters] ⁽¹⁾	1,147	1,477	2,662
Average Demand [gpd] ⁽³⁾	422,096	543,536	979,616
[gpm]	293	377	680
Peak Demand [gpd] ⁽³⁾	970,362	1,249,542	2,252,052
[gpm]	674	868	1,564
Low (2.0% Growth, Low Demand)			
Number of Connections [Meters] ⁽¹⁾	1,147	1,292	1,704
Average Demand [gpd] ⁽³⁾	422,096	231,268	305,016
[gpm]	293	161	212
Peak Demand [gpd] ⁽³⁾	970,362	532,304	702,048
[gpm]	674	370	488
Total Number of Lots within Service Area	1,660	1,932	2,630

- (1) The number of connections for 1997 was provided by CRRWC. Number of connections for 2003 and 2017 was calculated using the equation $N = n(1+\%)^y$ where N is the future number of connections, n is the current number of connections, percentage is the growth rate, and y is the number of years.
- (2) The number of connections in 2017 exceeds the 2,630 total number of lots at the Ranch. This estimate includes the potential for re-zoning at the Ranch thereby creating more lots, or that at 6.0% growth rate the Ranch reaches the 2,630 buildout prior to 2017.
- (3) Average demand and peak demand are calculated by multiplying the number of connections by Meter Demands. Meter demands are as follows:

Trend	Meter Demand (gpm)
High Usage	
Average Day	382
Peak Day	878
Typical Usage	
Average Day	368
Peak Day	846
Low Usage	
Average Day	179
Peak Day	412

Exhibit 3-1 Historic Water Use

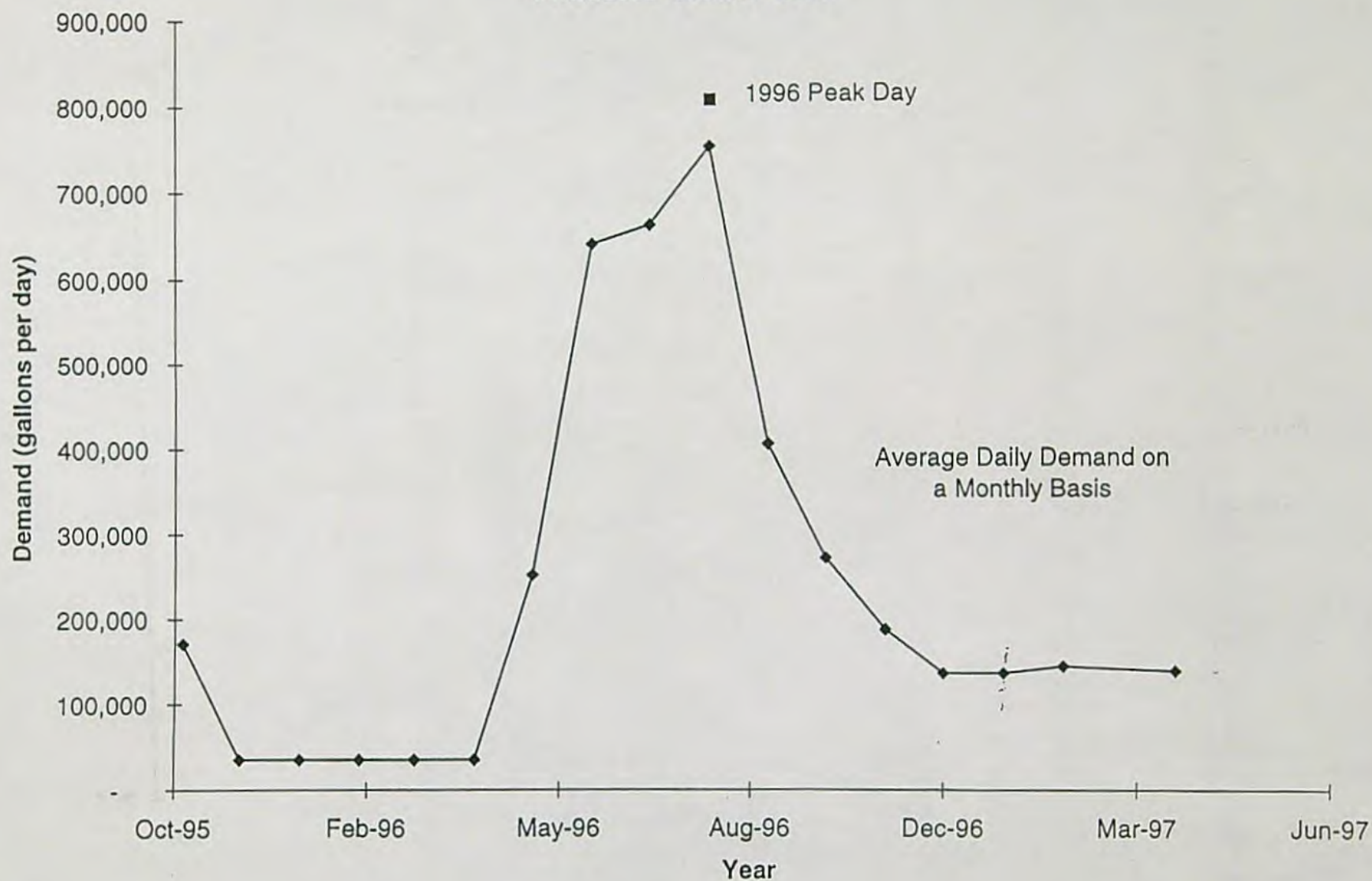


Exhibit 3-2 Growth Projections

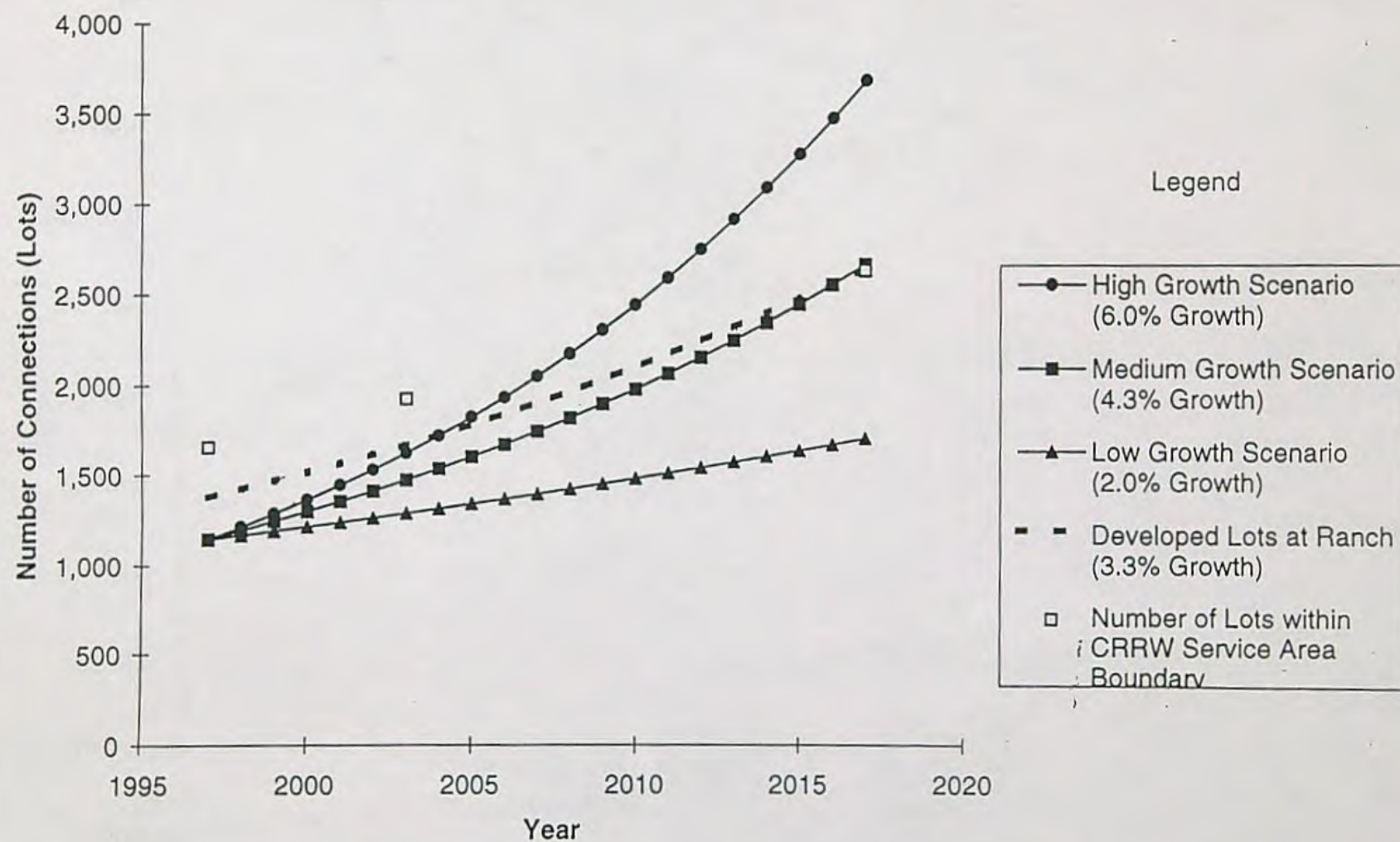
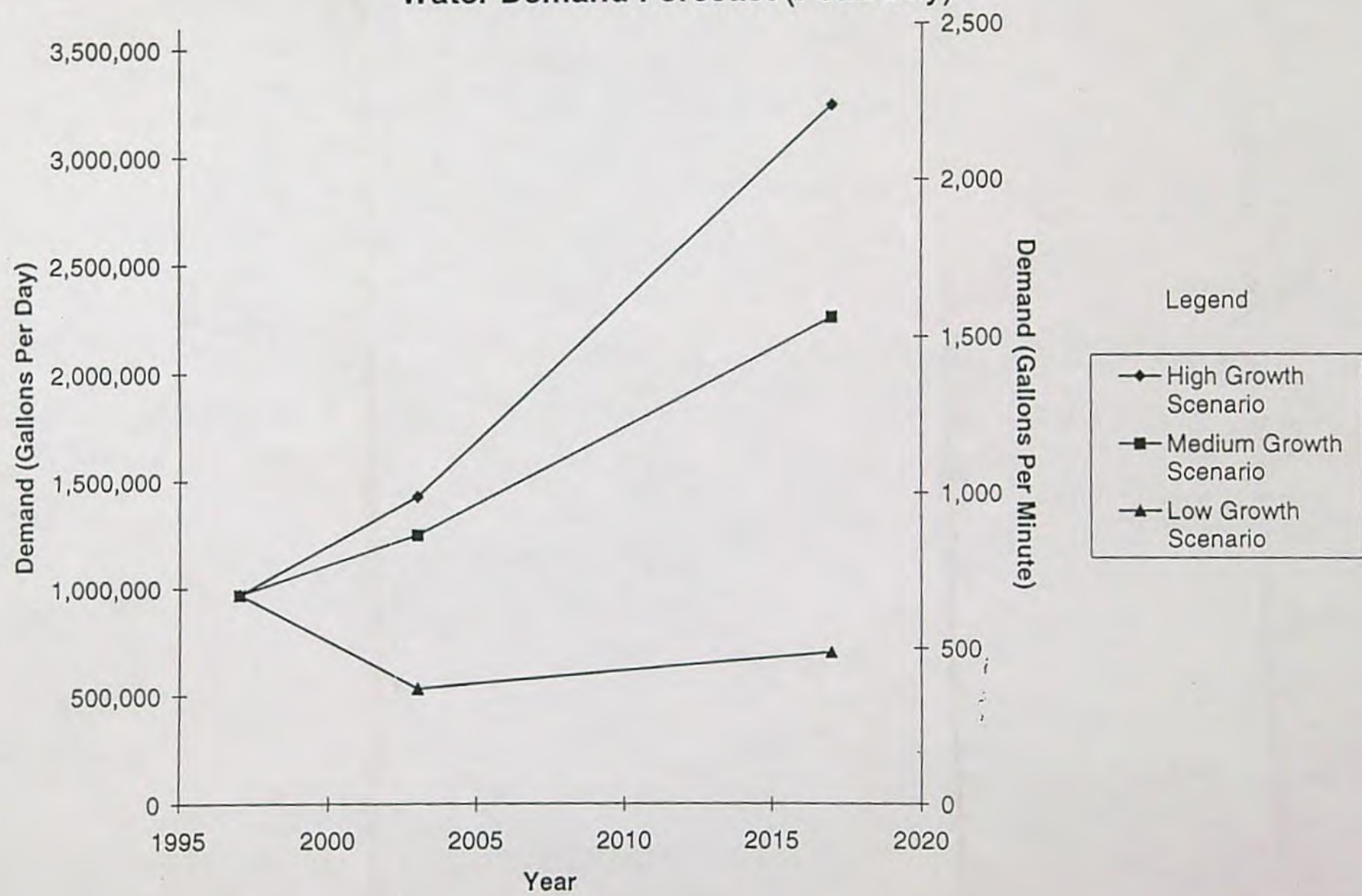


Exhibit 3-3
Water Demand Forecast (Peak Day)





February 21, 2007

Water Resources Division
Water Rights/Adjudications
725 Summer St. NE
Suite A
Salem, OR 97301

Re: Correction of Address
G12579, G11376, T9663

Dear Sirs:

In reviewing the Water Rights Information Query, I found that the incorrect mailing address is on file for the Crooked River Ranch Water Co-op. Please note the correct address:

Crooked River Ranch Water Cooperative
PO Box 2319
Terrebonne, OR 97760

Please update your files and confirm that the address has been corrected.

Sincerely,

Barb Oakley
Administrative Assistant
Barb@crrwc.com

RECEIVED

FEB 26 2007

**WATER RESOURCES DEPT
SALEM, OREGON**



Crooked River Ranch Water Company

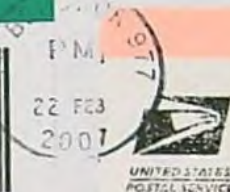
**PO BOX 2319
TERREBONNE, OR 97760**

OF THE RETURN ADDRESS, FOLD AT DOTTED LINE

CERTIFIED MAIL™



7005 0390 0006 4197 8724



0000



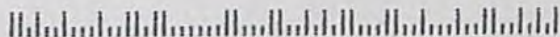
97301

U.S. POSTAGE
97760
FEB 22, 07
AMOUNT

\$4.64
00038015-05

Water Resources Division
Water Rights/Adjudications
725 Summer St. NE
Suite A
Salem, OR 97301

97301\$1266 C007





Oregon

Theodore R. Kulongoski, Governor

Water Resources Department

North Mall Office Building
725 Summer Street NE, Suite A
Salem, OR 97301-1271
503-986-0900
FAX 503-986-0904

April 14, 2009

REFERENCE: Application for Extension of Time

Dear Extension of Time Applicant:

The Water Rights Section has received your application for an extension of time for **APPLICATION FILE#: G-12579 (PERMIT#: G-11376)**. Your application will be reviewed in the near future. Following the review, you will receive a Proposed Final Order either approving or rejecting the extension of time request. A 45-day protest period begins upon issuance of the Proposed Final Order. After the protest period closes, a Final Order is issued.

If you have questions concerning your extension of time application, please contact Scott Kudlemyer at (503) 986-0813. For general information about the Water Resources Department, you may contact the Water Resources' Customer Service Group at (503) 986-0801 or you may access the Department's Internet home page at: "www.wrd.state.or.us".

**STATE OF OREGON
WATER RESOURCES DEPARTMENT**

RECEIPT # **94829**

725 Summer St. N.E. Ste. A
SALEM, OR 97301-4172
(503) 986-0900 / (503) 986-0904 (fax)

INVOICE # _____

RECEIVED FROM: Crooked River Ranch

BY: _____

CASH: ☐ CHECK: # 5945 OTHER: (IDENTIFY) ☐

APPLICATION	<u>G-12579</u>
PERMIT	
TRANSFER	

TOTAL REC'D \$ 350.00

1083 TREASURY 4170 WRD MISC CASH ACCT

0407 COPIES	\$
OTHER: (IDENTIFY)	\$
0243 I/S Lease	
0244 Muni Water Mgmt. Plan	
0245 Cons. Water	

4270 WRD OPERATING ACCT

MISCELLANEOUS

0407 COPY & TAPE FEES	\$
0410 RESEARCH FEES	\$
0408 MISC REVENUE: (IDENTIFY)	\$
TC162 DEPOSIT LIAB. (IDENTIFY)	\$
0240 EXTENSION OF TIME	\$ <u>350.00</u>

WATER RIGHTS:

0201 SURFACE WATER	EXAM FEE	0202	RECORD FEE
0203 GROUND WATER	\$	0204	\$
0205 TRANSFER	\$		

WELL CONSTRUCTION

0218 WELL DRILL CONSTRUCTOR	EXAM FEE	0219	LICENSE FEE
LANDOWNER'S PERMIT	\$	0220	\$

OTHER (IDENTIFY) _____

0536 TREASURY 0437 WELL CONST. START FEE

0211 WELL CONST START FEE	\$	CARD #
0210 MONITORING WELLS	\$	CARD #
OTHER (IDENTIFY)		

0607 TREASURY 0467 HYDRO ACTIVITY LIC NUMBER

0233 POWER LICENSE FEE (FWWRD)		\$
0231 HYDRO LICENSE FEE (FWWRD)		\$
HYDRO APPLICATION		\$

TREASURY OTHER / RDX

FUND	TITLE
OBJ. CODE	VENDOR #
DESCRIPTION	\$

RECEIPT:

94829

DATED: 11/6/08

BY: LAT

**STATE OF OREGON
WATER RESOURCES DEPARTMENT**

RECEIPT # **94829**

725 Summer St. N.E. Ste. A
SALEM, OR 97301-4172
(503) 986-0900 / (503) 986-0904 (fax)

INVOICE # _____

RECEIVED FROM: Crooked River Ranch

BY: _____

APPLICATION	9-12579
PERMIT	
TRANSFER	

CASH: ☐ CHECK:# 5745 OTHER: (IDENTIFY) ☐

TOTAL REC'D \$ 350.00

1083 TREASURY 4170 WRD MISC CASH ACCT

0407 COPIES \$
OTHER: (IDENTIFY) \$

0243 I/S Lease _____ 0244 Muni Water Mgmt. Plan _____ 0245 Cons. Water _____

4270 WRD OPERATING ACCT

MISCELLANEOUS

0407 COPY & TAPE FEES \$
0410 RESEARCH FEES \$
0408 MISC REVENUE: (IDENTIFY) \$
TC162 DEPOSIT LIAB. (IDENTIFY) \$
0240 EXTENSION OF TIME \$ 350.00

WATER RIGHTS:

0201 SURFACE WATER	EXAM FEE \$	0202 RECORD FEE \$
0203 GROUND WATER	\$	0204 \$
0205 TRANSFER	\$	

WELL CONSTRUCTION

0218 WELL DRILL CONSTRUCTOR	EXAM FEE \$	0219 LICENSE FEE \$
LANDOWNER'S PERMIT		0220 \$

OTHER (IDENTIFY) _____

0536 TREASURY 0437 WELL CONST. START FEE

0211 WELL CONST START FEE	\$	CARD #
0210 MONITORING WELLS	\$	CARD #

OTHER (IDENTIFY) _____

0607 TREASURY 0467 HYDRO ACTIVITY LIC NUMBER

0233 POWER LICENSE FEE (FWWRD)		\$
0231 HYDRO LICENSE FEE (FWWRD)		\$
HYDRO APPLICATION		\$

TREASURY OTHER / RDX

FUND _____ TITLE _____

OBJ. CODE _____ VENDOR # _____

DESCRIPTION _____ \$

94829

DATED: 11/6/08 BY: LTG

05945

Crooked River Ranch Water Co-Op
WATER RESOURCES DEPT

Date	Type	Reference
9/19/2008	Bill	

Original Amt.
350.00

	9/19/2008
Balance Due	350.00
Discount	
Check Amount	

Payment
350.00
350.00

RECEIVED

SEP 25 2008

**WATER RESOURCES DEPT
SALEM, OREGON**

WASHINGTON MUT APP FOR EXTEN TIME

350.00

Application # G-12579

Permit # G-11376

(amended by T-7828 and T-9663)

Public Notice Route Slip ... New Application Extension of Time
per Division 315 Rules... (Extensions received on July 1, 2001 or after)

♦ **WRIG...**

Money Received on: 11/6/08

♦ **Extension Specialist...**

- ☒ Added to tracking spreadsheet

After fee is receipted and app is added to spreadsheet, route to...

♦ **Jonnine Skaug...**

- ☐ Publish on Public Notice (initial 30-day comment): Date of notice _____
- ☐ Update WRIS Database
- ☐ In the "PNotice Date" field... Enter the date the Extension Application was published on the Public Notice.
- ☐ In the "Ext Filed" field... Enter the date the Extension Application was received.

Yes or No:

Return file to Extension Specialist after PN

STATE OF OREGON
COUNTY OF JEFFERSON AND DESCHUTES
PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

CROOKED RIVER RANCH WATER COMPANY
P.O. BOX ~~879~~ 1300
CROOKED RIVER RANCH, OREGON 97760

503-548-8939

to use the waters of WELLS 2 & 3 in the CROOKED RIVER BASIN for QUASI-MUNICIPAL USE.

This permit is issued approving Application G-12579. The date of priority is JUNE 18, 1991. The use is limited to not more than 5.0 CUBIC FEET PER SECOND (CFS), BEING 2.5 CFS FROM EACH WELL, or its equivalent in case of rotation, measured at the well.

The wells are located as follows:

NW 1/4 NW 1/4, SW 1/4 SE 1/4, SECTION 24, T 13 S, R 12 E, W.M.; WELL 2 - 680 FEET SOUTH AND 780 FEET EAST FROM NW CORNER, SECTION 24, WELL 3 - 80 FEET NORTH AND 480 FEET EAST FROM S 1/4 CORNER, SECTION 24.

The use shall conform to such reasonable rotation system as may be ordered by the proper state officer.

A description of the proposed place of use under this permit is as follows:

NW 1/4 NW 1/4
S 1/2 SW 1/4
SECTION 4
E 1/2 NE 1/4
SE 1/4 SW 1/4
SE 1/4
SECTION 5
NE 1/4
NE 1/4 NW 1/4
SECTION 8
NW 1/4 NW 1/4
S 1/2 NW 1/4
S 1/2
SECTION 9
S 1/2 NW 1/4
SW 1/4
S 1/2 SE 1/4
SECTION 10
SW 1/4 SW 1/4
SECTION 13
SW 1/4 NE 1/4
NW 1/4 NW 1/4
S 1/2 NW 1/4
S 1/2
SECTION 14
ALL
SECTION 15
ALL
SECTION 16
E 1/2 NE 1/4
E 1/2 SE 1/4
SECTION 17
N 1/2
SECTION 21

N 1/2
NW 1/4 SW 1/4
N 1/2 SE 1/4
SE 1/4 SE 1/4

SECTION 22

NE 1/4
E 1/2 NW 1/4
E 1/2 SW 1/4
SE 1/4

SECTION 23

NW 1/4

S 1/2

SECTION 24

ALL

SECTION 25

ALL

SECTION 26

E 1/2

N 1/2 NW 1/4
SE 1/4 NW 1/4
NE 1/4 SW 1/4
S 1/2 SW 1/4

SECTION 27

N 1/2 NE 1/4
SW 1/4 NE 1/4
NW 1/4

E 1/2 SW 1/4

SE 1/4

SECTION 34

ALL

SECTION 35

N 1/2 NE 1/4
SW 1/4 NE 1/4

W 1/2

SE 1/4

SECTION 36

TOWNSHIP 13 SOUTH, RANGE 12 EAST, W.M.

S 1/2 SW 1/4
SW 1/4 SE 1/4

SECTION 31

TOWNSHIP 13 SOUTH, RANGE 13 EAST, W.M.

N 1/2 NE 1/4
N 1/2 NW 1/4
SW 1/4 NW 1/4

SECTION 1

N 1/2 NE 1/4
SE 1/4 NE 1/4
W 1/2 SW 1/4
SE 1/4 SW 1/4

SECTION 2

ALL

SECTION 3

NW 1/4 NW 1/4

SECTION 11

TOWNSHIP 14 SOUTH, RANGE 12 EAST, W.M.

NW 1/4 NE 1/4
N 1/2 NW 1/4

SECTION 6

TOWNSHIP 14 SOUTH, RANGE 13 EAST, W.M.

Within one year from the date the Water Resources Commission adopts rules describing the schedules, standards and procedures for water conservation management plans by water suppliers, Crooked River Ranch Water Company shall submit a plan which is consistent with said rules.

Within one year of permit issuance, Crooked River Ranch Water Company shall prepare a plan/timetable for the Water Resources Commission which shall indicate the steps which the Water Company intends to pursue to obtain a long-term water supply.

The wells shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works shall be equipped with a usable access port, and may also include an air line and pressure gauge adequate to determine water level elevation in the wells at all times. When required by the department, the permittee shall install and maintain a weir, meter, or other suitable measuring device, and shall keep a complete record of the amount of ground water withdrawn.

Prior to receiving a certificate of water right, the permit holder shall submit the results of a pump test meeting the department's standards, to the Water Resources Department. The Director may require water level or pump test results every ten years thereafter.

Actual construction work shall begin on or before November 18, 1992, and shall be completed on or before October 1, 1993. Complete application of the water shall be made on or before October 1, 1994.

Failure to comply with any of the provisions of this permit may result in action including, but not limited to, restrictions on the use, civil penalties, or cancellation of the permit.

This permit is for beneficial use of water without waste. The water user is advised that new regulations may require use of best practical technologies or conservation practices to achieve this end.

By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

The use of water shall be limited when it interferes with any prior surface or ground water rights.

Issued this date, NOVEMBER 18, 1991.

/s/ WILLIAM H. YOUNG

Water Resources Department
William H. Young
Director

Final Draft to

Crooked River Ranch Water Company

Water Management and Conservation Plan (WMCP) Final Draft Report

September 2003



RECEIVED

MAR 15 2004

**WATER RESOURCES DEPT
SALEM, OREGON**



Economic and Engineering Services, Inc.

Bellevue

Mount Vernon

Olympia

Portland

Tri-Cities

Final Draft to

Crooked River Ranch Water Company

**Water Management and Conservation Plan
(WMCP) Final Draft Report**

September 2003



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Executive Summary

The Crooked River Ranch Water Company (CRRWC) presents its 2003 Water Management and Conservation Plan (WMCP) to the Water Resources Department (WRD) and interested parties. CRRWC believes this WMCP outlines a plan to effectively manage its present water rights and provides a means for developing a comprehensive strategy for meeting its quasi-municipal water supply needs over the next 20 years. This WMCP will enhance management techniques of the State of Oregon's water resources, including an increased effort to improve the efficiency of the water system, thereby meeting the intent of the regulations defined under Oregon Administrative Rules 690-086.

CRRWC is submitting this plan in preparation for future system improvements. Specifically, the paperwork proving beneficial use and filing for a certificate of our 5.0 cfs water rights was submitted in August of 2003 to WRD. Approval of this WMCP will initiate the submittal of an application by CRRWC to WRD for a change in point of diversion from the same aquifer.

E.1 Meeting the WMCP Criteria

Approval of this WMCP is contingent upon CRRWC meeting the criteria outlined under OAR 690-086-0130. In accordance, CRRWC has prepared a concise statement addressing each of the review criteria cited in that regulation.

- Inclusion of specific elements under 690-086-125: This WMCP includes specific sections that address each of the elements, including the water system and history, an updated conservation plan, a new curtailment plan, and a 20-year supply strategy.
- Projections of future water need: CRRWC is projecting an increase in average day demand over the next 20 years of about 6.5% to 491,000 gallons per day. Maximum day demand is forecast at almost 1.5 million gallons per day for 2023. *To meet these demands and meet fire flow standards set by the local fire marshal, CRRWC will need access to its entire 5.0 cfs water right.*
- Water Conservation Measures under OAR 690-086-0150: CRRWC has developed a conservation program targeted at reducing peak and non-peak day demand. The program and associated measures are designed to incorporate each of the appropriate components noted under OAR 690-086-0150 (4). A summary of the measures and related benchmarks for the conservation program are outlined in Table ES-1.

**Table ES-1
Crooked River Ranch Water Company
5-Year Conservation Benchmarks**

Existing Measures	Implementation Date	Completion Date	Frequency of Program
Annual water audit	On-going	On-going	Annually
Visual inspection of reservoirs	On-going	On-going	Daily
Meter testing & maintenance program	On-going	On-going	Annually
Production meter testing	On-going	On-going	Annually
Public Education	On-going	On-going	As Needed
☐ Low water use landscaping			
☐ Bill back messages			
Pressure reducing valves	On-going	On-going	N/A
SCADA system monitoring	On-going	On-going	Daily
Water conserving policies	On-going	On-going	N/A
System metering	On-going	On-going	N/A
Planned Measures			
Rate adjustments	July 2004	July 2011	Annually
Public Education	??		See text in Section 3.3
☐ Enhanced frequency of bill back messages			
☐ Inefficient water fixture brochure			
☐ Semi-yearly newsletter			
GPS mapping of system to indirectly reduce leakage volumes	March 2003	March 2008	N/A

- Identification of Resource Issues: The source of water being drawn by CRRWC is exclusively groundwater and, to CRRWC's knowledge, CRRWC's diversions have not been identified as impacting local surface water bodies. Therefore, the issues defined under OAR 690-086-140 (5) (i) do not apply.
- Curtailment Plan: The curtailment plan element represents a tool available to the CRRWC to meet a water emergency. The curtailment plan includes four stages of alert, triggers for each stage, and curtailment actions that will satisfactorily promote conservation practices.
- Submittal of Plan to affected local governments: 30 days prior to the submittal of this WMCP, CRRWC provided copies of this WMCP to the following affected local governments for review and comment: Deschutes County and Jefferson County. No comments were received from either government regarding the content of this WMCP.

E.2 Proposed Schedule for Updating Plan

CRRWC proposes to submit an updated WMCP within 10 years of the date of approval of this initial WMCP unless significant changes occur at the Ranch before that time which would impact the validity and applicability of this WMCP. In such a case, an updated WMCP will be submitted earlier.

Section 1

Overview

1.1 General System Description

Crooked River Ranch is located on the east side of the Cascade Mountains in Central Oregon and is 12,000 acres in size. The Ranch is approximately nine miles west of Terrebonne (see Exhibit 1-1), and 20 miles northwest of Redmond. Crooked River Ranch is located at the southern end of Jefferson County though a portion sits in Deschutes County. The Ranch is the largest subdivision in the state of Oregon. Crooked River Ranch Club and Maintenance Association (Association) is a home owners association, run by an elected, 9 member Board of Directors. The Crooked River Ranch Water Company (CRRWC) serves approximately 3,500 customers within its quasi-municipal service.

The Crooked River Ranch Water Company and the Association are two separate entities. CRRWC is a member of the Association in that it pays yearly dues, and the Association is a member of the CRRWC in that some of the Association's facilities, like the golf club house, are connected to the water system. Neither organization has any control over the other.

Approximately 97% of CRRWC's connections serve residential customers since this community is comprised of primarily single-family dwellings. Approximately three (3%) percent of the CRRWC accounts are commercial. These residential and commercial users are further described in Section 2.4.

CRRWC has been permitted 5.0 cfs of water rights for its quasi-municipal use under permit #G-11376, with a priority date of June 18, 1991. CRRWC is in the process at this time of having these rights certificated. The water rights are associated with two wells owned by CRRWC and one well owned by the Association, which is used by CRRWC for emergency purposes. This is described in further in Section 2.3.

Both CRRWC and the Association have wells on the Ranch. CRRWC plans to renumber their wells in order to try to prevent confusion regarding ownership of the wells by the two entities. The new numbering system is used throughout this report. The changes will be as follows:

Current	New
Well No. 1	Crooked River Ranch Association Well # 1
Well No. 2	Crooked River Ranch Water Co. Well #2
Well No. 3	Crooked River Ranch Assn. Well #3
Well No. 4	Crooked River Ranch Water Co. Well #1
Well #5 (proposed)	Crooked River Ranch Water Co. Well #3

1.2 Purpose

The CRRWC recently completed research on their water rights, and found that CRRWC's previous permit extension had expired. As a result, a new permit extension was filed which then triggered the need to prepare a Water Management and Conservation Plan (WMCP) per Oregon Administrative Rules (OAR) 690-315 and 690-086.

The CRRWC is in the process of updating their 20 Year Water System Master Plan in conjunction with this WMCP.

1.3 Proposed Progress Report and Update Schedule

Following the administrative rules, the CRRWC proposes to submit a progress report on or before July 2008 (five years) to review noted benchmarking and water use progress. CRRWC does anticipate the need for a new point of diversion, and will be filing for such in the spring of 2004. This will be CRRWC's third production well (CRRWC's Well #3), which is needed as an alternate source in case of a well failure of CRRWC's newly renumbered Well #1 or if it is down for preventative maintenance. As part of the process of developing this third production well, CRRWC has applied to certificate their current water right, and plans to subsequently transfer water rights from the Association's Well #3 to the planned CRRWC Well #3. This is addressed in the WMCP, and as a result CRRWC is not planning to submit an updated WMCP until the required 10 year period in 2013.

1.4 Summary of Data Sources

Throughout this WMCP are references to data, most of which were obtained from CRRWC's files including records of pumping withdrawal, customer billings, operational control, and conservation program implementation. Historical data related to service area, such as connections and demand, was obtained from the CRRWC's billing system, the water demand management software system (SCADA), and the 20 Year Water System Master Plan.

1.5 Input During Plan Development

During the preparation and completion of this plan, CRRWC consulted with Economic and Engineering Services, Inc. (EES), and Bruce Estes, Certified Water Rights Examiner of Estes Surveys, LLC, and had discussions with the Water Resources Department (WRD), and the Department of Human Services Drinking Water Program. In addition, CRRWC staff attended the workshop presented by the League of Oregon Cities, EES and WRD regarding the preparation of a WMCP.

1.6 Document Organization

This WMCP is organized in a manner consistent with the Division 86 rules. Section 2 describes the water supply system, including key demographic information, water consumption, and the

type of infrastructure present in the water system. Section 3 identifies the conservation measures CRRWC has implemented and proposed new measures with associated benchmarks for each new measure. Section 4 describes the three tools available to the company in the event of a water emergency, including a water curtailment plan. Section 5 uses the information presented in Section 2 and Section 3 to forecast future demand, compares that demand to present water rights, and assesses the need for additional source water diversions (e.g. "green light water").

Crooked River Ranch

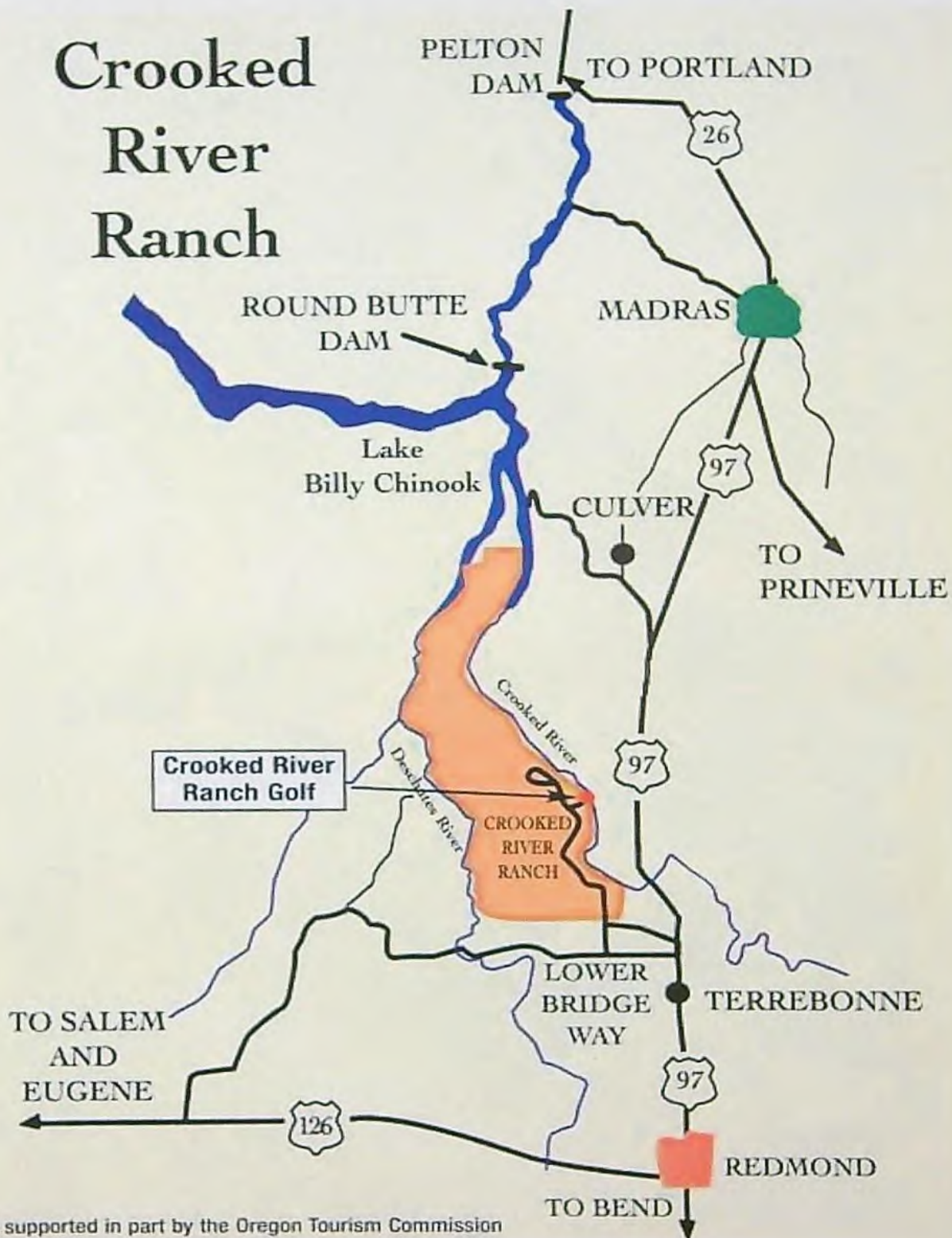


Exhibit 1-1
Location of Crooked River Ranch

Section 2

Municipal Supplier Description

Section 2 describes characteristics of CRRWC's service area, customers, supply, and production, as well as other key elements of the system.

2.1 Service Area and Population

The majority of the 12,000 acres called Crooked River Ranch is situated in the southern portion of Jefferson County and a small portion of Deschutes County. The area is bounded on the north by National grass lands and the Crooked River, on the west by the Deschutes River and Bureau of Land Management lands, on the east by the Crooked River, and on the south by Bureau of Land Management and privately owned land. The Ranch is approximately ten miles in length. The south end of the Ranch is approximately four miles wide, and the north end approximately one mile wide. Crooked River Ranch is approximately 18 miles NW of Redmond and 26 miles SW of Madras. It sits approximately 5 miles off Hwy. 97. Exhibit 1-1 shows the location of Crooked River Ranch.

Service Area

CRRWC's service area boundaries are the same as the Crooked River Ranch boundaries, however the types of services offered residents differ for those customers in the northern versus southern portions of the Ranch. A map of the CRRWC's service area is shown in Exhibit 2-1.

The northern section of the ranch, which holds the majority of the population, is served by CRRWC with domestic water and fire flow service. In this portion of the Ranch, there are approximately 1,450 customers (read: accounts) of CRRWC. Note that there are approximately 40 residences in this northern portion which rely on private wells for domestic use, but these customers also rely on CRRWC for fire protection.

In the southern portion of the Ranch, CRRWC does not provide domestic water to residents, but does provide fire flow via hydrants and standpipes near the border between the northern and southern portion of the Ranch. The Ranch is provided fire protection services by the Crooked River Ranch Rural Fire Protection District, which covers the entire Ranch. Since the private wells which all southern Ranch residents rely upon cannot adequately supply water in the event of a house or wild fire, the Fire Department will fill their tanker trucks at a hydrant or standpipe and haul the water to the fire scene. It's important to note that the Fire Department is totally volunteer, and they only have tanker trucks – no ladder or pump trucks. Again, all water used by the Fire Department on the Ranch, both to fight fires and suppress simulated fire events, is from the CRRWC system. The construction of CRRWC Well #3 as described in Section 1 will

decrease the amount of time it takes for the fire department to fill its water tankers and provide more adequate fire flow for the community.

Population Estimates

The Association provided population estimates summarized in Table 2-1. These estimates represent a population for the entire Ranch since CRRWC serves all Ranch residents with at least fire flow service. Note that since the Association only maintains records of the total number of properties that have been sold on the Ranch and not population, the Association estimates population by assuming 2.5 persons per household.

Table 2-1 Crooked River Ranch Water Company Population Estimates from the Association		
Year	Total Population	Households
1998	3,015	1,206
1999	3,327	1,331
2000	3,640	1,456
2001	N/A	*N/A
2002	3,795	1,518

*Crooked River Ranch Administration did not have numbers available for 2001.

In 2002, there were 3,795 developed lots in the Ranch, which represents about a 9 percent increase since 1998. Using data from CRRWC's billing system, CRRWC estimates that in 2002 a little more than a third of these developed lots, or 1,404 residential lots, were served domestic water by CRRWC. Applying a persons per household count of 2.5 reveals 3,510 people were served by CRRWC at that time. Table 2-2 shows the estimated population of CRRWC from 1998 to 2002.

Table 2-2 Crooked River Ranch Water Company Population Estimates from CRRWC		
Year	Total Population	Households
1998	2,763	1,105
1999	3,215	1,286
2000	3,283	1,313
2001	3,368	1,374
2002	3,510	1,404

Regarding the 2.5 person per household figure, the Ranch is inhabited by retired persons and families in an approximate ratio of 1 to 1. In light of the fact that the Census 2000 counted 2.8 persons per household for Jefferson County¹, CRRWC agrees with the Association's estimate of 2.5 persons per household given the higher percentage of retired residents inhabiting the Ranch than the County as a whole.

CRRWC used Association estimates of developed properties as a basis for population estimates because population estimates from the county or Census 2000 were not available for Crooked River Ranch. The Ranch is considered a subdivision and unincorporated and therefore all Ranch statistics are wrapped up within total county population estimates. Also, when the 2000 Census was referenced, population for the Ranch was not available without attempting the task of apportioning population within Ranch boundaries based on census tract data. This arduous task would have revealed probably no more accurate population estimates than the ones provided by the Association.

2.2 Source of Supply

CRRWC relies strictly on groundwater to provide its source of supply. This section includes of a summary of CRRWC's water rights and the adequacy and reliability of their source of supply.

Water Rights Summary

The CRRWC has a water right permit allowing for access to 5 cfs or 3.23 mgd at three wells. Table 2-3 describes this right, including permit number, priority date, and other pertinent information.

Table 2-3 Crooked River Ranch Water Company Water Rights Summary						
Groundwater Source	Permit #	Priority Date	Amount	Completion Date	Type of Use	Well No.
Crooked River Basin	G-2280	Jan. 24, 1963	(1)	(1)	IR	2
Crooked River Basin	G-11376	June 18, 1991	5 cfs (3.23 MGD)	Oct. 1, 1994	Quasi-municipal	1, 2, and Assn. 3
Crooked River Basin	Cert. 75144 T-6604	Jan. 24, 1963	0.06 cfs		IR	2

(1) Permit G-2280 is superceded by G-111376.

CRRWC believes it is important to provide a history of their water rights issues as a point of reference for the current water right permit being considered in this WMCP. Permit #G-2280 was originally in the name of Thomas Bell, who owned the ZZ Cattle Company, now known as Crooked River Ranch. On April 10, 1979, Mr. Bell assigned all his water rights to the Crooked River Ranch Water Company, and on August 23, 1979, the Water Resources Department issued a Certificate of Water Right to the CRRWC for irrigation of 91.1 acres using Well #2. This was limited to 1.14 cfs. WRD determined that the CRRWC was not the "owner" of these water

¹ Though CRRWC falls within Jefferson and Deschutes County, most of the Ranch is within Jefferson County.

rights since CRRWC did not provide irrigation. In November, 1991, the WRD issued Permit #G-11376 to CRRWC establishing 5.0 cfs for quasi-municipal use from Wells #2 and 3. On October 30, 1997, WRD approved Permit Amendment #T-7828 for an additional point of appropriation for CRRWC to add Well #1. This modified Permit G-11376. It still limits CRRWC to 5.0 cfs, but now lists CRRWC Wells #1 and 2, and the Association Well #3 as authorized points of diversions.

On March 27, 2003, WRD issued a letter outlining the water rights for the CRRWC and the Association. They stated that there are 4.4 acres of irrigation rights remaining from Well #2, as described in Certificate #75144. Since Well #2 is owned by CRRWC, 0.06 cfs to irrigate these 4.4 acres was determined to be part of CRRWC's water rights.

Adequacy and Reliability

According to the Watermaster's Office in Bend, the wells used by CRRWC are utilizing the same aquifer since the wells are all basically near the same depth. This aquifer feeds the Crooked River and the Deschutes River. Exhibit 2-2 shows the relative elevations of the wells and well screens.

Estimates of groundwater age can be used to assess the relative vulnerability of an aquifer to contamination from land surface, by evaluating the tritium concentrations in the ground water. Alternatively, the age of groundwater provides an indication of whether production from the aquifer is capturing more recently recharged groundwater and causing more direct depletion of recharge. Kyle Gorman, Regional Watermaster, states that the USGS did a survey of the Deschutes Aquifer, and at Opal Springs, and found no Tritium in the water. Mr. Gorman states that this means the water was recharged before nuclear testing began, and that would have been about 50+ years ago². This provides evidence that the aquifer current production from the aquifer has not depleted the older water in the reservoir.

The Water Resources Department has also determined that the Deschutes River Basin is *not* a "critical ground water area". However, the Deschutes River Basin has received much attention due to the low summer flows in the middle Deschutes River area attributed to historical diversions. Exhibit 2-3 is a graphical model of the various flows within the Deschutes Basin.

In Exhibit 2-3, the locations of the zones of groundwater aquifer recharge and discharge are identified. Recall that Exhibit 1-1 showed CRRWC located a few miles upstream from the confluence of the Crooked River and Deschutes River. Using the Crooked River as reference point in Exhibit 2-3, CRRWC is shown to be located in the Deschutes groundwater discharge zone, and therefore does not contribute to the historic low summer flows of the middle Deschutes basin.

CRRWC considers the aquifer from which it draws drinking water both adequate and reliable and therefore CRRWC does not anticipate future restrictions on this supply. CRRWC has not experienced any declining water levels in the aquifer nor had a lack of supply even during peak

² Higher levels of tritium were introduced into the atmosphere as a result of nuclear testing.

production. Also, the 1997 20 Year Master Plan discusses the depth and abundance of the aquifer, suggesting a low probability of quantity problems in the near future.

2.3 Summary of Existing System

The existing water system at CRRWC consists of two wells and one shared well with the Association, two storage reservoirs and about 35 miles of distribution piping and related components. A description of the existing facilities follows. See Exhibit 2-1 for the location of these facilities.

Source and Treatment

All wells are currently in compliance with state drinking water standards outlined under OAR 333-065. No water treatment is being done at this time at either Well # 1 or 2 as neither are plumbed correctly to accomodate a chlorination station. However, CRRWC has not experienced any problems with water samples, and has won taste test contests with the quality of the water.

Transmission and Distribution

Crooked River Ranch Water Company has a system network of pipe sizes ranging from 2-inch to 12-inch pipes. These are shown in Exhibit 2-1. The total linear feet of each nominal pipe size 2-inch and above is shown in Table 2-4.

Table 2-4 Crooked River Ranch Water Company Summary of System Pipe Sizes		
Nominal Pipe Size	Total Length (ft)	% of Total
2"	800	0.004%
4"	35,810	17%
6"	88,360	43%
8"	79,020	39%
12"	750	0.004%

Pressure Zones

CRRWC has two service levels: the upper level and the lower level. The upper level is approximately 200 feet higher in elevation than the lower level. Within these levels, there are eight pressure zones, controlled by 4 pressure reducing valves. There is a different pressure zone on each side of the pressure reducing valve.

Wells

The two wells owned by CRRWC are Well #1, located in the upper service level, and #2, located in the lower level. Well #1 and #2 are both production wells. The Association Well #3, located

in the lower level, is owned (and operated) by the Association for irrigation only, but CRRWC has quasi-municipal water rights affiliated with this well per Permit #G-11376. This permit allows CRRWC to draw a total of 5.0 cfs from Wells #1 and #2, and the Association Well #3. CRRWC has used this well as an emergency stand-by source only and did so only once in the past 5 years when Wells #1 and 2 were both out of commission. Table 2-5 describes the location, depth, and other information about the wells used by CRRWC. Well depth and elevation of CRRWC's water system is displayed in Exhibit 2-2.

Table 2-5 Crooked River Ranch Water Company Well Facilities Summary			
Description	CRRWC Well No. 1	CRRWC Well No. 2	Association Well No. 3
Location	Lower Ridge Road	Commercial Loop	Golf/Maintenance Area
Well House	Yes	Yes	Yes
Wellhead Elevation	2,760 ft	2,540 ft	2,590 ft
Well Depth	951 ft	483 ft	379 ft
Depth to Static Water Level	502 ft	280 ft	319 ft
Static Water Level Elevation	2,258 ft	2,260 ft	2,304 ft
Pump Capacity	800 gpm	800 gpm	500 gpm
Pump Horsepower	200 hp	150 hp	100 hp
TDH Added	720 ft	550 ft	400 ft
Purpose	Production	Production	Emergency

Finished Water Storage

CRRWC's water system includes two reservoirs: 1) The Standpipe (Tower), which is capable of serving the entire system, but primarily serves the upper service level during day-to-day system operation, and, 2) the Cistern, which serves primarily the lower level, but may serve the upper level during peak demand times. The Standpipe is located in the upper level near Well #1. The Cistern is located in the lower level, about one mile from Well #2. When the Standpipe or Cistern reaches certain minimum levels, the pumps are activated to replenish the storage reservoirs. When the demand for water is great, such as during peak hours of use, Well #2 sends water to the cistern which is pumped via the cistern booster pump to the upper level of the system. The data associated with CRRWC's Standpipe (Tower) and Cistern are presented on Table 2-6 below.

Table 2-6
Crooked River Ranch Water Company
Finished Water Storage Summary

Description	Standpipe	Cistern
Location	Tower Road	Chinook Drive
Capacity	700,000 gallons	100,000 gallons
Usable Capacity	600,000 gallons	80,000 gallons
Base Elevation	2,855 feet	2,780 feet
Height	70 feet	10 feet
Overflow Elevation	2,925 feet	2,790 feet
Incremental Volume	10,000 gallons/foot	10,000 gallons/foot
Maximum Customer Elevation for minimum 30 psi pressure when reservoir is full	2,856 feet	2,720 feet
Material	Steel	Concrete

Note that both the standpipe and the cistern have a usable storage volume less than their total capacity due to operational constraints of these reservoirs: CRRWC estimates only 600,000 gallons is available for use in the standpipe, and 80,000 is available in the cistern.

It is important to note that the CRRWC reservoir storage is not adequate at this time for fire protection in severe situations, such as a grassland wildfire. The best storage available to CRRWC is the water in the ground. This is discussed further in the section below entitled *"Facilities Deficiencies and Upgrades."*

Pump Stations

Each well has a pump house that pumps finished water out to the distribution network. There is a booster pumping station, located at the cistern which pumps the water from the cistern to the system, which covers both levels. However, the pumps associated with this booster station have the capacity to pump only 500 gallons per minute (gpm) to the upper service level despite the fact that wells supplying the cistern can pump at a rate of 800 gpm.

At this time, CRRWC can pump 800 gpm from Wells #1 and 2 each or 1,600 gallons total— theoretically 100 gpm more than the 1,500 gpm flow rate sought by the fire marshall. However, moving water from Well #2 (in the lower system) to the upper system is impaired because the booster pump station connecting the upper and lower level can only pump out 500 gallons per minute. This means the upper level has a maximum of 1,300 gpm at this time. The Association Well #3 would also be of little use in fighting a fire in the upper level since it is situated in the lower level and also constrained by the 500 gpm pumphouse.

Facilities Deficiencies and Upgrades

The fire marshall requires 1,200 gallons per minute (gpm) for fire flow for residential sites and 1,500 gpm at commercial sites. Given that usable storage capacity in the standpipe (tower) totals

600,000 gallons, CRRWC calculates that the reservoirs would be drained within about 4 hours in the event of a commercial site fire during peak day use.^{3, 4} This number is noted for the upper level. For the lower level, approximately 80,000 gallons of water is kept in the cistern. There is an 8" line that drops 200' from the cistern to the lower level. At this time, CRRWC can only provide about 50% of the required fire flow, and the cistern would provide approximately 30 minutes of fire protection at the maximum.

Futhermore, the CRRWC system has antiquated pumping facilities. Over the past 30 years the development and upgrades of the system have not kept pace with the increase demand and associated fire flow requirements of the customer base. This system, being on two different levels in which there is a 200 foot difference in elevation, having one well on the lower level and one on the upper level, with one very inadequate pumping station in-between, falls short of adequate fire protection as required by the local fire chief. An illustration of the elevation differences between CRRWC's Well #1 and #2 are shown in Exhibits 2-4 and 2-5.

CRRWC has little system redundancy to rely upon during periods of high demand and low operational capacity. For example, CRRWC would not be able to provide enough water for fire suppression in the upper system if the standpipe became unusable or the booster pumphouse was not operational, even during the times of low demand. Given CRRWC's current predicament, staff intend to apply for a permit to obtain a new point of diversion to provide system redundancy, as described in the next section.

New Point of Diversion Planned

As previously described, CRRWC's infrastructure is such that CRRWC cannot adequately provide fire flow to the upper level, the area in which most of CRRWC's customers reside. To solve this problem, CRRWC will be submitting an application to drill a new well and apply for a water right transfer in the spring of 2004. The new well will be constructed in the upper level of the system; the transfer will request a point of diversion transfer from the Association Well #3 to CRRWC's proposed well location. Exhibits 2-1 and 2-2 show the location of this proposed well.

The new well, with a planned pumping capacity of 800 gpm, will be owned and operated by CRRWC and the source will be the same aquifer used by the other wells. *No additional water rights will be requested for this new well beyond CRRWC's currently permitted 5 cfs.* Following the completion of this new well, total pumping capacity for all three wells will be 2,400 gpm and 1,600 gpm in the upper service level.

This new well will provide system redundancy and an adequate level of fire protection currently unavailable in the upper service level. Specifically, the existing infrastructure and infrastructure configuration, coupled with the capacities of the wells and pumps, allow for only 1,300 gpm from the wells for fire flow. If the standpipe was full, it could provide an additional 200 gpm over a long period, but should the standpipe become unavailable, fire protection would be

³ Note that a major brush fire would require significant amounts of water over potentially several days.

⁴ Peak hour use for 2002 was used for this calculation.

inadequate.⁵ An additional well with a production rate of 800 gpm would ensure adequate fire protection.

2.4 Summary of Historic Production

The following subsection described annual average production and seasonal production characteristics. Data for these sections was obtained from CRRWC production well logs and billing records.

Average Annual Production

Table 2-7 summarizes the production from each of the two wells over the past five years in terms of total annual production, average day production, peak season and peak day production.

Table 2-7						
Crooked River Ranch Water Company						
Summary of Recent Water Production						
Well	Permit No.	1998	1999	2000	2001	2002
1	G-11376	122.7	92.4	113.8	106.7	128.8
2	G-11376	6.2	40.2	38.2	46.3	40.7
Totals (MG)		124.9	134.1	167.0	154.9	169.6
Average Day (MGD)		0.34	0.37	0.46	0.42	0.46
Peak Season May –Sept. (MG)		83.1	91.0	109.5	105.6	116.3
Peak Day (MGD)		N/A	N/A	1.43	1.09	1.61
Peaking Factor		N/A	N/A	3.13	2.57	3.47

N/A – For these years, peak data records were not considered as reliable as those for subsequent years.

The numbers shown in Table 2-7 are not consistent with the CRRWC's annual water use reporting as required under OAR 690-085. While completing the Water Conservation and Management Plan, files were audited for the years 2000 thru 2002, and errors were found in the reporting and record keeping. CRRWC is submitting amended reports for those years.

Seasonal Usage and Peaking

A review of usage between 1998-2002 indicates a peak month demand of 30,724,848 gallons which occurred in June, 2002. In general, peak usage occurs each year between May or June and early September. Figure 2-1 provides a graphical summary of this phenomenon.

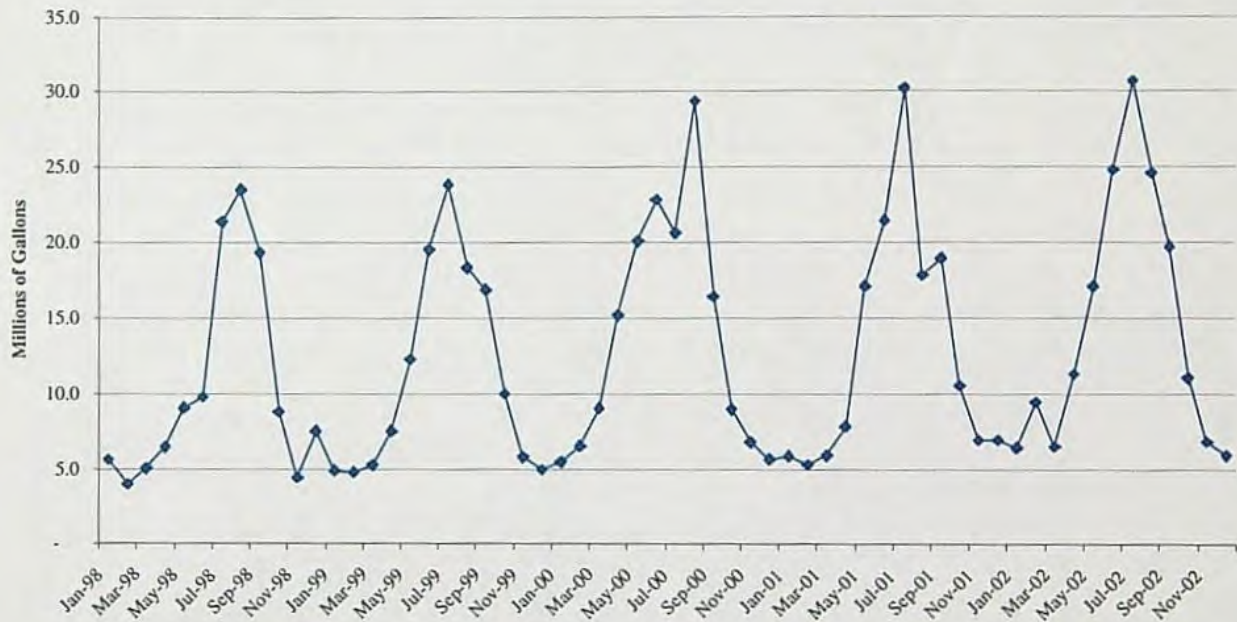
CRRWC's peaking factor was obtained by dividing average day demand by the average demand of the peak month (peak day) for each of the years with data as shown in Table 2-7. Peaking factors for the years 2000, 2001, and 2002 were averaged to obtain 3.06. CRRWC does not believe this factor is abnormally high given the climate of the region and the fact that many

⁵ Note that this scenario does not consider customer demand. If a fire would occur during a peak day, an additional 1,111 gpm would be needed.

residents are summer time residents only, calling Crooked River Ranch home six months or less per year, and the two RV parks which reach and maintain capacity during the summer. Regardless of the components associated with peaking, CRRWC's conservation program help reduce the summer peaking phenomenon as described in Section 3.

Figure 2-1

Monthly Production: 1998-2002



2.5 Water Customers Served

Customer Count

CCRWC has historically tracked its water uses under the following classifications:

- Residential
- Commercial
- "Fireflow"

As of 2002, CRRWC had a total of 1,448 customer accounts. A summary of account history from 1998 to 2002 is shown in Table 2-8.

Table 2-8
Crooked River Ranch Water District
Accounts Per Customer Class (1)

	1998	1999	2000	2001	2002
Residential	1,105	1,286	1,313	1,374	1,404
Commercial	10	15	15	44	44
Total	1,115	1,301	1,328	1,418	1,448

(1) "Fireflow" class is not included.

Customers identified as "residential" represent one dwelling unit. This includes single family houses and mobile homes. Since the Ranch was developed primarily for single-family dwellings, it stands to reason that 97% of CRRWC's customers fall within the residential class. CRRWC does not have apartment complexes, condominiums, or other multi-family housing.

All residential meters are 5/8-inch, except for the newer five acre parcels of which there are approximately 55. Most of these five acre parcel owners have animals that require large amounts of water, and the distance of the piping from the meter to the residence requires a larger meter and pipe in order to provide adequate flow. These meters are 1-inch.

The "commercial" class includes all commercial customers within the CRRWC service area and represents 3% of CRRWC's customers. The largest users of water from the commercial businesses are the market, which includes a deli and post office, two RV parks, a restaurant/bar, beauty salon, motel, and the Crooked River Ranch Club and Maintenance Association. The other businesses are primarily small and service oriented, such as an excavation company, garbage service, diesel repair, roofing company, etc.

Metered Demand

Though the billing system tracks customers by customer class, CRRWC was not able to obtain a report summarizing historic metered demand by customer class: only total metered demand was available for the residential and commercial class combined. As it turns out, a detailed review of the billing records for select individual commercial class customers reveals that metered demand for these customers is very similar to the average demand of the residential class. CRRWC assumes this holds true for most, if not all, the commercial customers.

Table 2-9 shows water usage for the commercial and residential customer class combined between the period 1998 to 2002.

Table 2-9 Crooked River Ranch Water Company Historic Customer Count and Annual Water Use 1998 through 2002		
Year	# of Customers	Metered Demand (gal)
1998	1,115	108,692,628
1999	1,301	119,011,136
2000	1,328	130,064,955
2001	1,418	142,207,018
2002	1,448	162,305,641

Unlike the metered residential and commercial customer classes, the “fireflow” class is unmetered, but represents an authorized use. Fireflow is estimated on a monthly basis by the Crooked River Ranch Fire Department, primarily a volunteer organization which practices weekly. The volunteer firemen and fire chief keep a log of all water drawn to fill their trucks and portable tanks. They estimate the amount of water drawn based upon the size of the trucks and tanks. These logs are given to the fire department secretary at the end of each month, and she in turn adds the number of gallons used and phones the report in to the CRRWC. In Table 2-10 is a recording of these volumes.

Table 2-10 Crooked River Ranch Water Company Fireflow Usage	
Year	Water Usage (Cf)
2002	32,986
2001	1,332,834
2000	590,513
1999	17,687
1998	17,000

During 2001, there were two major fires in the area in which our local fire department was called upon to assist. Because of these fires, our volunteer department had increased practice and were considerably more vigilant in monitoring for local fires and putting them out quickly. This is the reason for the high usage during that year.

2.6 Interconnections

CRRWC does not have any interconnections with other suppliers of drinking water primarily because Crooked River Ranch is not located near any potential supplier where an interconnection could be accomplished at a reasonable cost. (See Exhibit 1-1 for CRRWC’s proximity to other potential water suppliers.) Therein lies the reason and necessity for drilling CRRWC Well #3 and the necessity to maintain a 350 kw portable generator that can be connected to all three wells in case of electrical supply interruption.

2.7 System Efficiency

Since 2001, CRRWC has been tracking and recording unmetered, authorized uses. Leakage was computed by taking the difference of metered withdrawals at the wells and metered and unmetered-authorized demands. Annual consumption for unmetered-authorized uses for the last two years are identified in Table 2-11. For years previous to 2001, authorized use records were deemed highly inaccurate. CRRWC calculated a non-revenue rate of 1% of production for 2002 and 5% for 2001. Based on an average leakage rate of 3.3% over the last two years, CRRWC manages its water resource very efficiently.

Increased maintenance over the last 5 years also has greatly reduced the water leakage. The system consists of all PVC piping, Bell & Spicket construction which is less prone to leakage. A flushing and maintenance schedule of all fire standpipes and fire hydrants has netted the repair of any leaky valves in this area. Another large factor involved in low leakage is that no contractors are allowed to do any additions or repairs to the water system. All work is done in-house by highly trained staff. In addition, no customer, plumber, or contractor is allowed in the meter boxes. As a result of these and other preventative measures, the annual water audit shows leakage well below 10% in the past two years.

Table 2-11 Crooked River Ranch Water Company Summary of Leakage Calculation									
Year	Fireflow	Road Maintenance	Water Haulers	Sale To Contractors	Water Pump Lubricating	Line Flushing (1)	Total Usage	Production from Wells	Percent Leakage
2001	228,342	588,953	1,302,919	2,102	2,325,083	0	4,747,399	154,892,100	5.1%
2002	246,735	1,590,405	1,256,640	25,432	4,901,875	1,544,321	9,565,408	174,353,130	1.4%

Note: Units are in gallons

- Fire: Water used by the fire department for fire fighting and practice.
- Road Maintenance: The Crooked River Ranch Road Department uses water for dust abatement and to maintain the roads on the Ranch.
- Water Haulers: Approximately 40 homes within CRRWC's service area are not metered customers of CRRWC nor have a private well, but rely on water to be trucked in and pumped into on-site cisterns. This group pays private water haulers to haul the water to their properties.
- Sales to Contractors: Occasionally a contractor will purchase water when working on developing a property for a customer of CRRWC or when paving a customer's driveway.
- Water Pump Lubricating: This is metered water and is used to pre-lubricate the pump bearings before the pump starts. All pumps in the system are lubricated in this manner.
- Line Flushing: Flushing of lines is done on a quarterly basis at dead ends to maintain high water quality in the system.

There are no numbers available for line flushing in the year 2001 as they apparently were not tracked.

Demand for water pump lubricating and line flushing increased dramatically from 2001 to 2002 as shown in Table 2-11. This is because CRRWC rebuilt the head on Well #1 and installed a second lubrication line which runs 24 hours per day, seven (7) days per week. Well #1 now has two lube lines, one that runs full time, and the other that comes on and runs ten (10) minutes before the well begins pumping. Water used for lubrication re-injected into the aquifer.

3.2 Previous and Existing Conservation Measures

CRRWC has undertaken the following conservation efforts:

- Encourage newcomers to use low water use landscaping when developing their lots. A flyer, published by the Extension Service, is available in the CRRWC office giving hints and tips on "Groundwater Friendly Gardening". See Exhibit 3-1.
- Reservoir and tank leak detection program: CRRWC continues to visually inspect reservoirs and tanks for leakage.
- Meter testing program: Meters are tested when specifically requested by a customer. When the water billing staff recognizes an unusual meter reading, or when the meter reader reports a potential problem, CRRWC checks and tests the meter. AWWA's accuracy standards are applied during any testing and repairing or maintenance of meters.
- Meter replacement inventory: In March of 1999, an extensive meter survey was taken. All original meters were located, documented, checked for condition and leaks, and entered into the replacement program. Service orders were written up at that time and any suspected leaks in meter boxes were investigated and serviced. The condition of resetters was checked and CRRWC purchased three different sizes to fill the needs. Insulation was also checked and operations personnel experimented with various types to protect the meters from freezing. A combination of quilted foam and closed cell foam pieces has been chosen for adequate protection during our winter weather. The condition of the meter box was also noted and some defective ones have already been replaced.
- Meter replacement program: The entire 12,000 acres of the Crooked River Ranch is divided into 16 phases. CRRWC has mainline piping to thirteen of these phases, and has established a meter testing program based upon the date the phase became connected. Starting with the oldest, CRRWC has developed a 10 year rotation, replacing meters rather than testing them. This program began four years ago on phase 2. It is important to note that not all phases are of the same size or have the same quantity of meters. In addition to this program, CRRWC has a policy of replacing meters whenever a house is sold, repossessed, or if there has been a problem identified during the billing process or leakage is discovered. CRRWC replaces 100 – 200 meters per year. Except for one meter, located at the CRR Administration office, all meters are 5/8-inch or 1-inch.
- The meters on the production wells are tested and calibrated yearly.
- CRRWC currently lists water conservation messages on the back of the monthly water bills. During the summer season, when there is a higher use of water, CRRWC includes a conservation message on each monthly bill. During the other times of the year, messages are included quarterly at a minimum. The bills are printed on post cards and space is allotted for CRRWC news and updates to the customers. Examples of messages used in the past are:

- “One gallon of water is made up of about 15,000 drops. That’s a lot of drops which add up quickly. If your bill seems unusually high, check all your indoor & outdoor faucets for drips. Also, check around your property for areas that appear greener than others or for icy spots. These could be indications of leaks. This only wastes water and is costly to you, our valued customer.”
 - “If you wash your vehicles in the driveway, you might want to consider doing so on your lawn. While washing your vehicle on your lawn you will be saving water too.”
 - “When waiting for hot water from the faucet, save the cool water for other uses. Example – watering plants. Keep a jug of water in the refrigerator for drinking so you don’t need to let the faucet run while waiting for the water to get colder.”
- **Annual Water Audit:** This information has been used as an ongoing report and is done at the time of our annual audit of our financial records. A daily report of water used is compiled from our daily log totals. These figures are also kept on a monthly basis and combined to result in a yearly total that coincides with our fiscal year from January to December. CRRWC takes the total water pumped, subtracts the total water sold and factors in unmetered-authorized. The resulting volume is considered leakage.
 - **Pressure Reducing Valves:** CRRWC’s system has 5 pressure reducing valve stations installed. These valves limit line breaks due to high pressure mainlines. If a break occurs, the valves will close, which insures that the CRRWC will know there’s a problem. In addition, the entire system is piped with PVC, which does not rot away.
 - **SCADA System:** The SCADA computer program is used to monitor the water system. In-line flow meters are connected to SCADA and will sound an alarm when an excessive amount of flow is detected. SCADA is also programmed to read daily usage. When it becomes excessive, an alarm sounds and staff are dispatched to determine the cause.
 - **Water Conserving Policies:** One of the biggest conservation measures implemented by CRRWC was not allowing anyone besides CRRWC staff to work on the water system or get into the meter box. This has saved the CRRWC many thousands of gallons of water in that contractors and individuals are not digging up and breaking lines or meters. Also, CRRWC will continue with the policy of not turning on water unless there is someone in the home, and require that shut-off valves be installed on all properties.

In sum, CRRWC has designed and manages the water system to reduce waste as evident by the numerous conservation efforts performed over the last few years.

3.3 Planned Conservation Measures

The conservation program described within the following subsection was developed based on analyses of the characteristics of historical demand patterns and customer demographics. The measures are described below.

Water Audit and Leakage As described in the water audit description above, CRRWC has maintained a leakage rate of less than 5%, so is not required to implement a “leak repair” program per Division 86. However, CRRWC will continue to monitor meters, fire hydrants, fire standpipes, and the mainlines for any leaks.

System Metering All CRRWC’s customers are metered.

Meter Testing and Maintenance See previous discussion. CRRWC continues with the same process and plans to continue doing so.

Rate Adjustments The rate structure that CRRWC uses to charge its customers encourages water conservation. All CRRWC customers pay a minimum base amount each month, whether they use the water or not. (CRRWC’s Board of Directors recently approved a base rate increase to \$27.50 per month effective July 1, 2003.) In addition to this base amount, usage above 700 cubic feet is charged a commodity rate per 100 cubic feet. Amounts exceeding the 700 cubic foot minimum are billed at \$.72 per 100 cf (the commodity rate).

All customers are metered and all are billed monthly. The bills include the meter reading, amount of water used, and the cost of the water used for that month and an occasional conservation message.

Over the next five years, CRRWC will reduce the quantity of water, which is included in the minimum rate from 700 cubic feet to 0. This will occur over a seven year period by 100 cubic feet per year. At the end of seven years, there will be zero minimum cubic feet provided in the base rate.

Public Education

Public education is an important component of CRRWC’s overall conservation program. The following public education measures are planned:

- **Bill Back Messages:** Continue to provide conservation messages on the bill backs, especially during the peak usage months however CRRWC will significantly increase the frequency of these messages. These would be included monthly during the peak usage season, and every three to four months outside the peak season. (See Section 3.2 for examples.)
- **Inefficient Water Fixture Replacement Brochure:** Provide information to local residents about replacement of inefficient fixtures. This will be in the form of brochures or marketing materials provided by businesses or manufacturers and distributed by direct mailings and/or

placed in the office lobby for customers to pick up. An example would be working with a local dealer to provide a discount on low water use toilets to customers that replace old fixtures and contract with a plumber to install at a reduced rate. Work with a dealer to notify customers of in-store workshops that are available describing new fixtures that conserve water use.

- Semi-Yearly Newsletter: Produce a semi-yearly newsletter, which will include conservation information.

Additional Conservation Measures

As described in Section 2.1, CRRWC draws water from an aquifer in the Deschutes River Basin, an area in dispute due to limited water availability for sensitive, threatened or endangered aquatic species. However, because CRRWC is in the ground water discharge zone and has small production volumes relative to the size of the aquifer, CRRWC believes its use of the aquifer does not translate into an impediment to aquatic species in the Deschutes River or other surface water bodies. Therefore, CRRWC has not identified "additional water conservation measures" as described in OAR 690-086-150 (5) and (6).

Even though CRRWC does not believe there are any resource issues associated with the execution of its water rights, CRRWC draws attention to one of its programs which may indirectly reduce leakage in the system. CRRWC plans to map its entire system using GPS technology. This will allow CRRWC to be able to access information immediately via a computer "CAD" program that will identify mainlines, valves, meters, etc., in case of line breaks or leaks. This technology will enable the CRRWC to respond immediately to the problem area and begin needed repairs quickly.

Conservation Savings

CRRWC anticipates that the savings gained from the planned and additional conservation measures identified above will reduce demand in years 10 and 20 by 13.5%. Table 3-1 identifies the approximate additional percentage savings for each measure as estimated by Crooked River Ranch Water Staff.

Table 3-1
Crooked River Ranch Water Company
5 Year Conservation Benchmark Savings

	Primarily Impacts ADD	Primarily Impacts MDD	Additional Water Savings
Existing Measures			
Annual water audit	X		0%
Visual inspection of reservoirs	X		0%
Meter testing & maintenance program	X		0%
Production meter testing	X		0%
Public Education		X	0%
☐ Low water use landscaping			
☐ Bill back messages			
Pressure reducing valves	X		
SCADA system monitoring	X		
Water conserving policies	X		
System metering	X		0%
Planned Measures			
Rate adjustments	X		10%
Public Education		X	0.5%
☐ Enhanced frequency of bill back messages			
☐ Inefficient water fixture brochure			
☐ Semi-yearly newsletter			
GPS mapping of system to reduce leakage volumes	X		3%

CRWC anticipates that the greatest conservation savings will come from the rate adjustments. As rates come closer to having customers pay for what they actually use, natural conservation will occur. The rate adjustments and meter testing/maintenance program will result in annual savings whereas the GPS mapping will reduce leakage volumes.

3.4 Summary of 5-Year Benchmarks

A summary of the relevant benchmarks for the CRRWC's on-going and planned conservation activities is outlined in the Table 3-2. All previous measures listed as "existing", except the meter replacement inventory performed in 1999, will continue at the same level of implementation for five years.

Table 3-2
Crooked River Ranch Water Company
5-Year Conservation Benchmarks

Existing Measures	Implementation Date	Completion Date	Frequency of Program
Annual water audit	On-going	On-going	Annually
Visual inspection of reservoirs	On-going	On-going	Daily
Meter testing & maintenance program	On-going	On-going	Annually
Production meter testing	On-going	On-going	Annually
Public Education	On-going	On-going	As Needed
☐ Low water use landscaping			
☐ Bill back messages			
Pressure reducing valves	On-going	On-going	N/A
SCADA system monitoring	On-going	On-going	Daily
Water conserving policies	On-going	On-going	N/A
System metering	On-going	On-going	N/A
Planned Measures			
Rate adjustments	July 2004	July 2011	Annually
Public Education	??		See text in Section 3.3
☐ Enhanced frequency of bill back messages			
☐ Inefficient water fixture brochure			
☐ Semi-yearly newsletter			
GPS mapping of system to indirectly reduce leakage volumes	March 2003	March 2008	N/A

Section 4

Water Curtailment Element

CRRWC's water supply is ground water obtained from a deep aquifer in the Deschutes Basin. Given past history, CRRWC does not anticipate water supply shortages, however CRRWC recognizes that unforeseen problems may occur which may require the use of a curtailment plan. This section describes CRRWC's water shortage history, assesses CRRWC's ability to maintain adequate water supply during an emergency, and presents a curtailment plan for use in the event of an emergency.

According to CRRWC's 20 Year Master Plan the depth and abundance of the aquifer makes vulnerability of the system to quantity problems a remote possibility. Similarly, the deep aquifer also provides significant protection against vulnerability to water quality problems. Also, drought has not had an effect on the CRRWC's wells in the past, and is not expected to do so in the future.

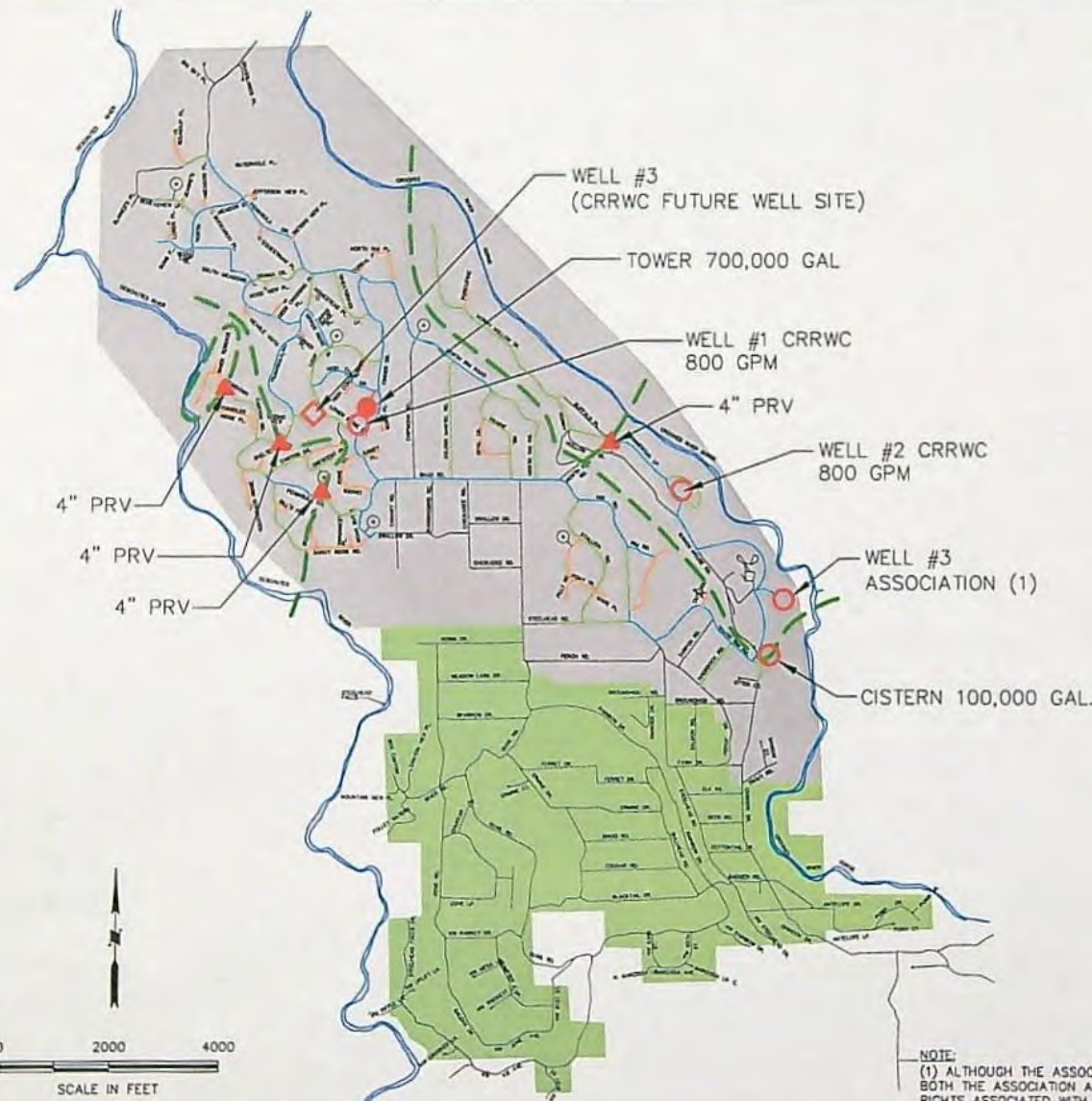
However, unforeseen emergency situations may impact CRRWC's ability to fully utilize permitted water rights. For example, a multiplicity of small events may warrant the need to enact water curtailment measures, as described below. In the past 10 years, CRRWC has experienced one event in which the water supply was deficient and counter measures were implemented. In 2000, Well #1 was taken off line because the tower (standpipe) was being resurfaced inside. Because of the configuration of the plumbing in Well #1, it could not be operated without the standpipe. Well #2 had been prepared to handle the water load during this down time. Unfortunately, an Association employee turned off a valve on a mainline by mistake, causing 40' of line to blow out of the ground and making Well #2 pump dry.

During this emergency, CRRWC brought the Association Well #3 on line in order to provide water to CRRWC's customers and maintain a source for fire protection. In addition, Public Service Announcements were made on local radio stations advising Ranch residents that there was a water emergency in place and that conservation was needed. There were also articles placed in the local newspapers. In addition, a reader board was obtained from ODOT and placed at a major intersection advising residents of the emergency and the need to conserve.

Well #2 was repaired as quickly as possible, but the Association Well #3 was kept on-line to supplement Well #2 until the standpipe and Well #1 could be brought back on line as a production well.

LEGEND

-  PRESSURE GAGE
-  WELL (OWNER)
-  PRV
-  RESERVOIR
-  FUTURE WELL
-  4" PIPE
-  6" PIPE
-  8" PIPE
-  12" PIPE
-  PRESSURE ZONE BOUNDARY
-  CRRWC FULL SERVICE AREA WITH MAINLINE PIPING
-  CRRWC FIREFLOW SERVICE ONLY

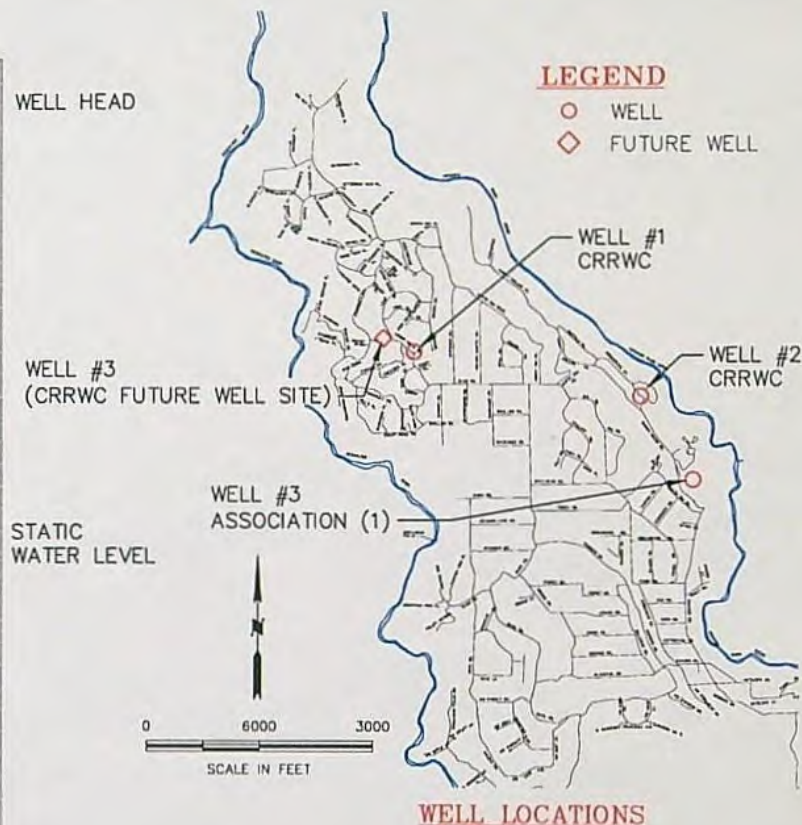
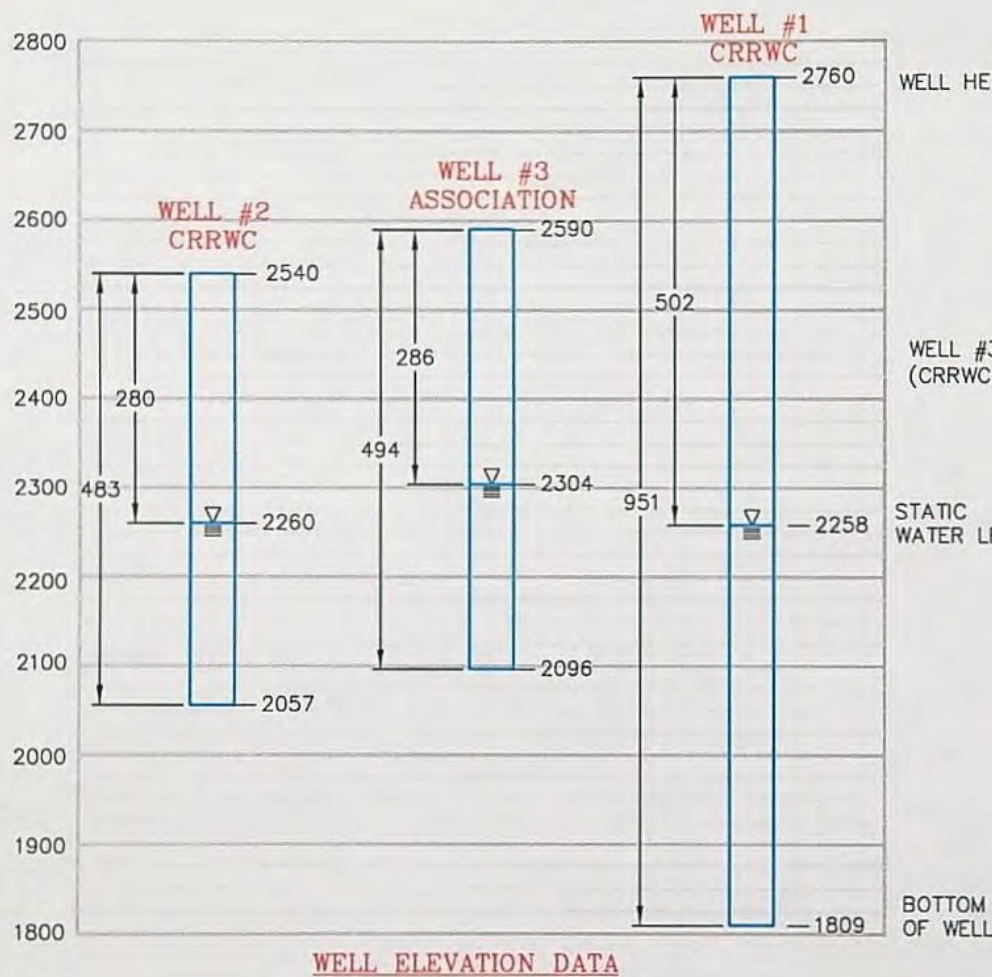


NOTE:
(1) ALTHOUGH THE ASSOCIATION OWNS THE WELL, BOTH THE ASSOCIATION AND CRRWC HAVE WATER RIGHTS ASSOCIATED WITH THIS WELL.

EXHIBIT 2-1 **CROOKED RIVER RANCH** **WATER COMPANY** **SERVICE AREA**

AUGUST 2003

ees Economic and Engineering
Services, Inc.
Baltimore Mount Vernon Olympia Portland Tri-Cities



NOTE:
(1) ALTHOUGH THE ASSOCIATION OWNS THE WELL, BOTH THE ASSOCIATION AND CRRWC HAVE WATER RIGHTS ASSOCIATED WITH THIS WELL.

EXHIBIT 2-2
CROOKED RIVER RANCH
WATER COMPANY
CRRWC's
WELL DEPTH AND LOCATION

AUGUST 2003

ees Economic and Engineering
Services, Inc.
Bellevue Mount Vernon Olympia Portland Tacoma

THE DESCHUTES RIVER BASIN - SEEING THINGS WHOLE

A "WHALE" OF A VIEW

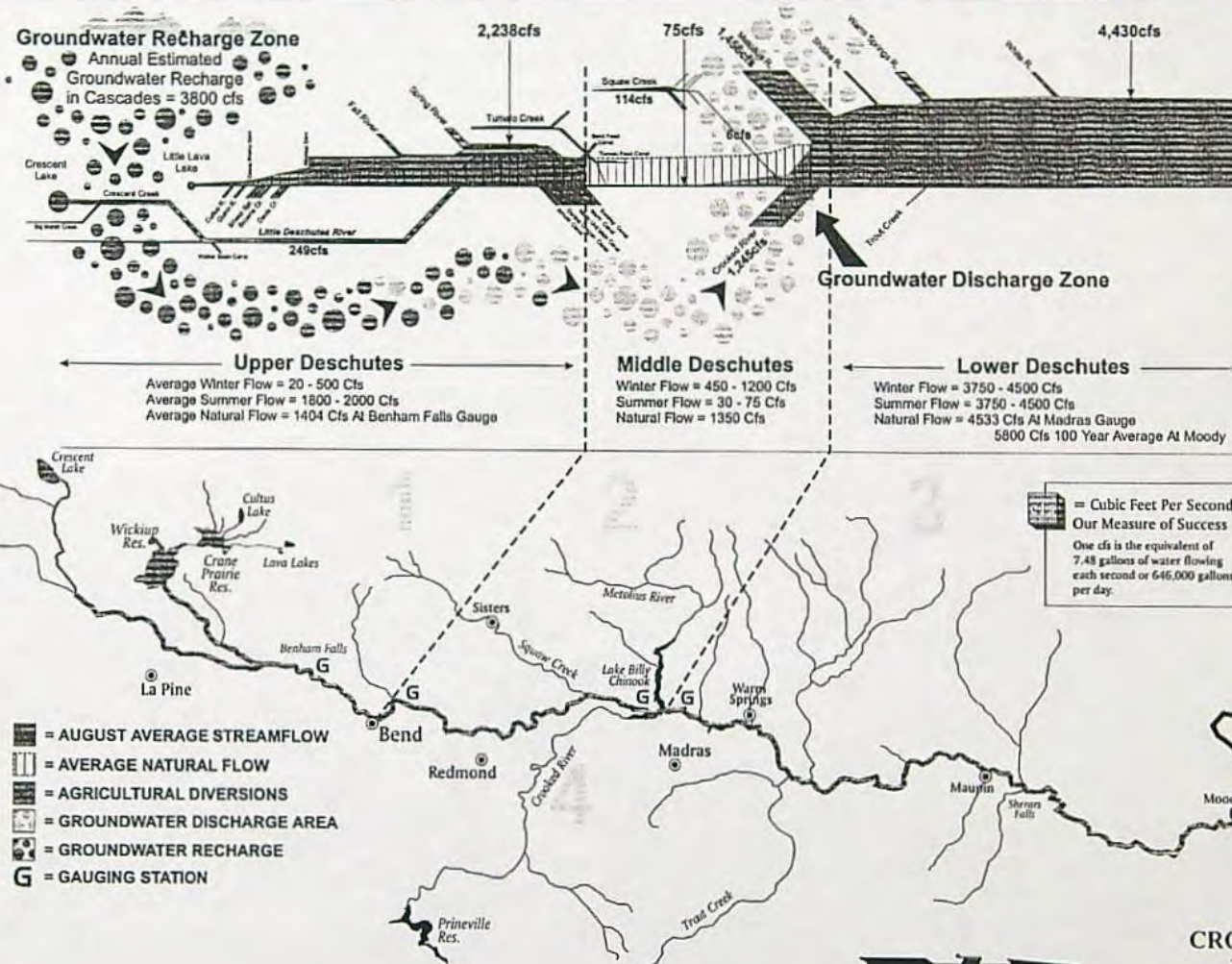
If you use your imagination, part of the map below looks a bit like a whale swimming off the page. So when Bob Main, former Central Oregon Watermaster created the map, it was aptly named "The Blue Whale". It is a graphic model of the various flows throughout the Deschutes Basin, with the width of the river corresponding to actual river flow in cubic feet per second (cfs) at the times noted.

REACH BY REACH - IT'S THE GROUNDWATER

The Deschutes is talked about in three distinct parts, called reaches. The "Upper Deschutes" is considered from the headwaters to the north diversion dam in Bend. The "Middle" reach is from the north diversion to Lake Billy Chinook, and the "Lower" reach is from there to its terminus at the Columbia. Each reach has its own story to tell and opportunity for enhancement. About half of the surface water flows in the lower reach come from groundwater discharge near Lake Billy Chinook. Most of this groundwater enters the aquifer in the high Cascades.

A CHOICE OF FLOWS - "ALTERED" OR "MORE NATURAL"

As you can see, the summer flows are very altered from the natural flows (shown as cross-hatching). Historical diversions have created the opportunity for restoration of flows in the middle section of the river and various tributaries by doing conservation projects applied to the current system of open, leaky canals and antiquated delivery systems. This presents a great opportunity for conservation and possible reallocation of some of the water while still providing for productive agriculture and restoration of flows in our basin for fish, wildlife and scenic qualities so important to the Deschutes Basin.



THE CHALLENGES REACH BY REACH

1 UPPER DESCHUTES

- High summer flows
- Low winter flows
- Water Quality issues
- Potential Endangered Species Act issues

2 MIDDLE DESCHUTES

- Low summer flows
- Water Quality issues
- Fish passage issues
- Potential Endangered Species Act issues
- Dam re-licensing issues

3 LOWER DESCHUTES

- Scenic Waterway flows (protected in-stream flows)
- Potential Endangered Species Act issues
- Water Quality issues

4 CROOKED RIVER (AND OTHER MAJOR TRIBUTARIES THAT ENTER THE DESCHUTES)

- Low flows / winter and summer
- Water Quality issues
- ESA related issues
- Habitat change

EXHIBIT 2-3

CROOKED RIVER RANCH
WATER COMPANY
WATER MANAGEMENT AND
CONSERVATION PLAN

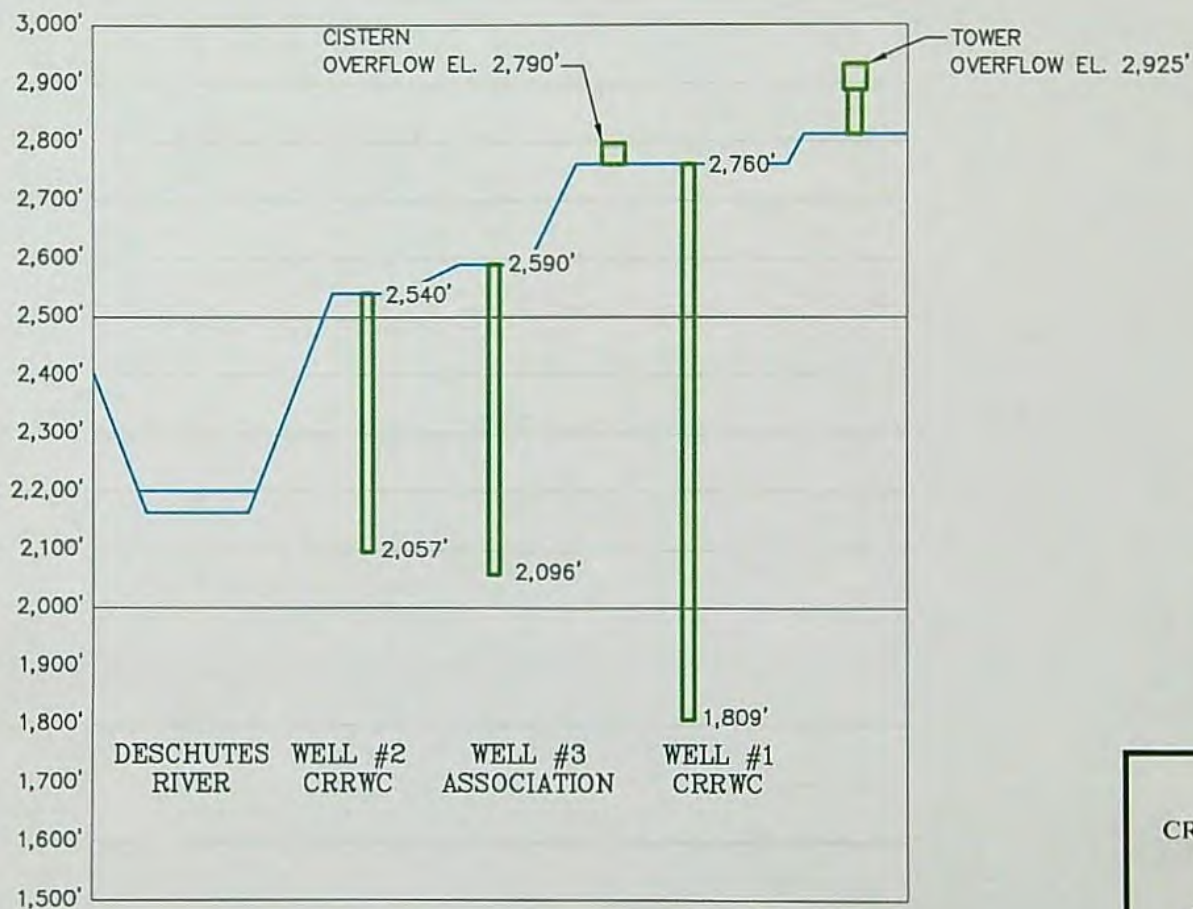


EXHIBIT 2-4
CROOKED RIVER RANCH
WATER COMPANY

WELL DEPTH DIAGRAM

AUGUST 2003

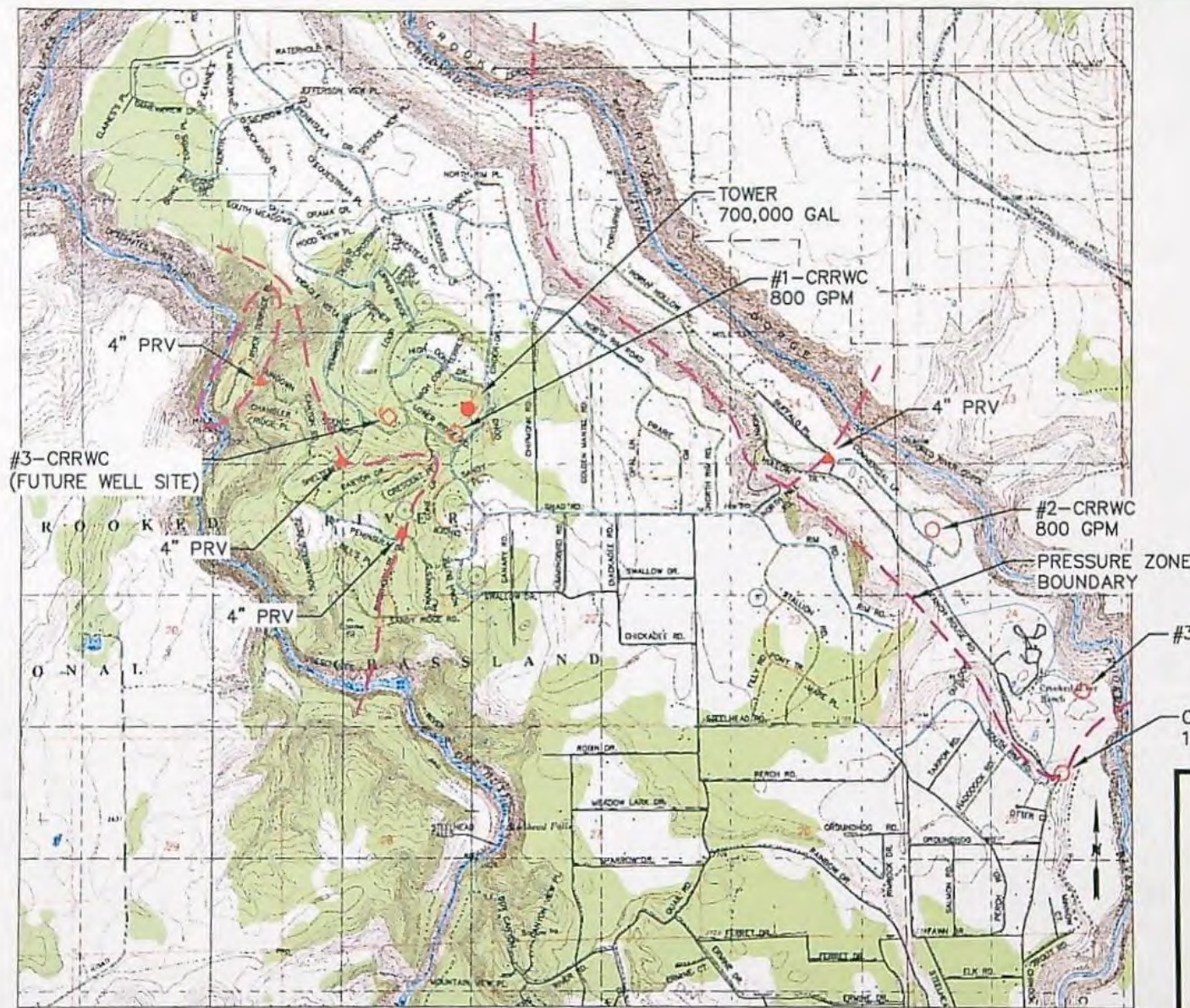


EXHIBIT 2-5
CROOKED RIVER RANCH
WATER COMPANY
TOPOGRAPHICAL MAP OF
CRRW's SYSTEM
AUGUST 2003

Section 3

Conservation Element

CRRWC has historically promoted water conservation to its members. The Crooked River Ranch is located in high desert country, has a short growing season, and a large deer population, which limits gardening efforts. However, because of the natural landscaping (sagebrush, junipers, etc.), great emphasis is placed on making homes fire safe. This means either replacing all growing matter with rock, or keeping lawns and shrubs green, resulting in increased water use.

CRRWC is committed to targeting a comprehensive conservation plan consistent with the requirements for Water Management and Conservation Plans which will encourage residential customers to conserve during peak and non-peak demand times. However, limited resources of the CRRWC hamper the ability of CRRWC to offer a full-scale conservation program as is available in larger cities.

3.1 Water Use and Reporting

CRRWC's water-use reporting is done in compliance with OAR 690-085. The report is submitted annually by December 31st on the form provided by the Water Resources Department using the "Flow Meter Method" approved by the Department in OAR 690-085-0015 (5).

Water that is pumped by each well is logged every day on the Daily Log Form. An Operations Technician visits each of the well houses and also goes into the cistern building on a daily basis. The main well, No. 1, uses a Sensus W-3500 meter, which is tested and calibrated on a yearly basis. Well No. 2, the second well, utilizes a Hersey Model MHR model meter and this one is also calibrated and tested on a yearly basis. CRRWC counts monthly water usage by their fiscal year, which goes from January to December. A yearly total of all water used by CRRWC is sent to the Oregon Department of Revenue. CRRWC calibrates and tests the meters annually, and accuracy of the meters is within 15% of true usage.¹

¹ Note in Section 2, discrepancies in the water use reports were discovered and will be rectified by sending WRD revised reports for those years in which discrepancies were found.

4.1 Assessment of CRRWC's Ability to Supply Water Long Term

In case of a long term shortage, such as an extensive power outage, or a well or pump going out of commission, CRRWC would have to enact the "severe" or "critical" stage since the water storage and system capacity that is currently available would likely not be able to meet both residents demands and provide for adequate fire protection coverage. System capacity is limited due to infrastructure limitations as described in Section 2.

In general, CRRWC's ability to meet its customer's needs during a long term emergency is not up to CRRWC's current standards. CRRWC has plans to drill another well on the upper level in 2004, also described in Section 2, which would help alleviate these storage and capacity issues. In addition, storage capacity does need to be increased from its current 800,000-gallon capacity to a minimum of 1,700,000 gallons over the next 10 years. This would provide improved water storage as well as fire protection.

4.2 Water Emergency Response

CRRWC's two production wells produce an adequate supply of water *combined to meet ADD and MDD* and provide for fire protection.² Therefore, CRRWC defines an emergency as a point in time when at least one of the two production wells would be lost for a period of two hours or more.

It must be noted that no plan can anticipate the countless number of emergency scenarios. Factors such as weather, availability of mechanical parts, and customers' response to the curtailment plan, among other factors, will dictate the degree and speed to which the Company responds to an actual event. Therefore, CRRWC anticipates that any emergency plan will have to remain flexible and be adjusted according to various factors at hand.

The four stages of alert range from mild to critical and are triggered by changes in capacity. Capacity is defined as the total rate of water accessible at any given time through CRRWC's wells. A brief description of each stage as well as potential events that could trigger the stage follows:

Mild: Examples of a "mild" situation might be a line break that will require sections of the system to be down for several hours, or a pump that is out of commission for repairs. It would result in the water capacity being reduced by twenty (20%) percent. Public Service Announcements would announce this stage and other methods, requesting that water use be

² As discussed in Section 2, Water Supplier Description, CRRWC has another well with water rights, called Association Well #3, but this well is only used for emergency purposes. CRRWC shares this well with the Association which also has rights appropriated to this well.

reduced, i.e., limit lawn sprinkling, car washing, etc. This would be a voluntary watering reduction schedule, probably enacting an odd/even watering schedule.

Moderate: An example of a “moderate” stage would be a pump that is down for an extended period of time, reducing water capacity by 40%. In this situation, all lawn sprinkling would be terminated, as well as car washing, road watering, and line flushing (except in case of potential health risk). This would be a mandatory schedule. In addition, CRRWC would activate Assn. Well #3 to support the one working CRRWC well. This action will no longer be needed once CRRWC drills its Well #3 and has it on line.

Severe: In this stage, water capacity would be reduced by 60%. An example of an event that may cause this would be a major line break along with a pump down. In this case, the “moderate” measures would continue, and in addition, there would be no outside use of water (except for fire).

Critical: This would be the worst stage that could occur. In this scenario, potential disasters may include an earthquake that destroys the aquifer or caves in the wells; an act of terrorism that may destroy the storage tanks or wells; a regional power outage that lasts for a week or more; a substantial grassland fire that requires major amounts of water in order to save property and/or lives. In this stage, it is important to note that CRRWC does have a 350 K.W.- Genset generator and that both well houses have been wired to accommodate the generator. Should a power outage occur, the company could provide water with the generator, but it would be on an extremely limited basis. In this stage, CRRWC would allow water usage for one hour each day per household, and would be controlled by the company by way of shutting down streets in order to provide for specific areas at any one time. The water would be limited to human and domestic animal consumption only. As much water as possible would be conserved for fire protection.

Since Crooked River Ranch is not incorporated, the predominant governing body for CRRWC is the Board of Directors. However, since the CRRWC Board of Directors are not involved in the daily management of CRRWC, the Critical stage would require the manager of the company to manually control the water usage by regulating the flow to areas of the subdivision. Ultimately, CRRWC’s Board of Directors would declare an emergency and CRRWC would drastically limit availability. Having the CRRWC Board of Directors declare the critical stage and implementation measures would be politically correct and provide coverage for the CRRWC manager.

4.3 The Curtailment Plan

Table 4.1 describes the Company’s proposed curtailment plan. Included within the plan are four stages of alert, the trigger for each stage, the goals for the implemented measures per stage and the curtailment measures.

Table 4-1
Crooked River Ranch Water Company
Proposed Curtailment Plan

Stage	Trigger	Goal	Implementation Measures
Mild	Capacity is reduced by 20%	Awareness and 20% reduction in consumption	■ Activate curtailment plan ■ Broadcast via radio and television station Public Service Announcements ■ Coordinate outreach to customers through direct means (phone call, personal visit and indirect means (media) ■ Voluntary watering reduction schedule (odd/even) in early morning/late evening. ■ Flushing lines for essential needs only ■ No road watering
Moderate	Capacity is * reduced by 40%	40% reduction in consumption	■ Continue with "mild" stage measures ■ Watering schedule mandatory ■ Eliminate road watering and line flushing (except for health risk) ■ Activate Association Well No. 3
Severe	Capacity is reduced by 60%	60% reduction in consumption	■ Continue with "moderate" stage measures ■ No use of company supplied water to fill swimming pools, hot tubs, etc. ■ Outdoor irrigation banned ■ No use of company water to wash vehicles.
Critical	Terrorism Earthquake Regional power outage Substantial grassland fire	75% reduction in consumption	■ Continue with "severe" stage ■ Households limited to one (1) hour per day per street ■ Water limited for human consumption and domestic animals only. ■ Exceptions for health and safety issues.

*Capacity is defined as the total rate of water accessible at any given time through the CRRWC wells.

Staff Responsibility

The Manager of CRRWC is the ultimate person responsible in the event the water curtailment plan is enacted. Specific duties will be assigned to CRRWC staff, with the assistance from CRRWC's Board of Directors to ensure that all activities are commensurate with the curtailment plan.

The CRRWC Board of Directors will be approving the process for declaring a state of emergency. The plan is that the General Manager will advise the Board of Directors of the emergency, and identify the stage and implementation measures. The Board of Directors will then sign the emergency declaration, and the curtailment actions will then be implemented.

Section 5

Municipal Water Supply Element

CRRWC projects a steady, but slow rate of growth in the number of new customers from 2003 to 2023 which translates into an increased water demand over this time period. As described below, however, CRRWC will not need any additional water beyond its currently permitted 5 cfs. In this section CRRWC discusses changes to its future service area, describes plans to fully utilize its water rights, presents estimates of future demand, and comments on the reliability of the existing sources.

5.1 Future Service Area

In 2002, CRRWC had 1,448 connections and estimates there are approximately 316 buildable lots remaining in CRRWC's northern service area which are likely to be connected to the water system over the next 20 years. This would bring the total connections to 1,764. See Table 5-1 for the detail. Estimates in Table 5-1 are based on the Association's future development data.

Table 5-1			
Crooked River Ranch Water Company			
Customers of CRRWC by Customer Class			
	2002	2013	2023
Residential Accounts	1,404	1,574	1,660
Commercial Accounts	44	84	104
Total Accounts	1,448	1,658	1,764

From 2002 to 2013, a 12% increase in residential accounts is projected and between 2013 and 2023, a 5% increase is forecasted. The increasing residential accounts should spawn commercial development in CRRWC's service area. Commercial accounts will increase 91% from 2002 to 2013 and 23% the following ten years. (Commercial growth will outpace residential growth because the Ranch is believed to be currently underserved given the size of the residential class.)

The south end of the Ranch has additional buildable lots; however, these are not included in the forecast for two reasons. First, existing residents and businesses are served by private wells and it would be economically infeasible to supply only new buildable lots strewn throughout the area with CRRWC water as they are developed. CRRWC once considered serving domestic water to the entire southern portion or major parts thereof as described in CRRWC's 20 Year Water Master Plan (1997), however, CRRWC is not planning on pursuing this option at this time.

Second, the buildable lots in the southern portion of the Ranch were not included in CRRWC's forecast because CRRWC does not serve domestic water to current residents and businesses in

the southern portion of the Ranch—only fire flow protection. Note that CRRWC does not have fire flow infrastructure in this area and only provides fire flow volumes through hydrants and standpipes near the border between the northern and southern portion of the Ranch. Therefore, fire flow volumes are limited by the number and capacities of the fire trucks and associated water hauling vehicles. At present, the volumes supplied are anticipated to meet these vehicle capacities for the next 20 years.

Within the Ranch Jefferson County enforces a 10-acre minimum lot size, however, there are many 1-acre parcels that were “grandfathered” in under the old County codes. According to the County’s Planning Department staff, they do not anticipate the 10 acre minimum lot size as set forth in the County code reverting to one acre parcels in the near future.

As was mentioned in Section 2, Crooked River Ranch is bound by rivers and BLM lands. Therefore, the service area is not anticipated to expand beyond the existing boundaries within the next 20 years.

Future Population

Section 2 noted that Jefferson County does not have population estimates for the Crooked River Ranch or CRRWC’s service area. Therefore, population estimates were calculated using a projected residential customer count based on buildable lots and a person per household estimate of 2.5.

Projected customer counts in 2013 and 2023 are constrained by the number of available, undeveloped lots (316) and growth rates from 2002 to 2023 were projected based on the amount of water line extension work planned by CRRWC. As such, it is anticipated that the majority of the new customers will be added within the first 10 years—form 2003 to 2013—and the balance of the estimated customers will develop lots during the remaining 10 years.

To make an estimate of population, CRRWC assumes a person per household count of 2.5 and applied this factor to the number of residential accounts shown in Table 5-1. Population estimates for 2013 and 2023 are found in Table 5-2.

Table 5-2			
Crooked River Ranch Water Company			
Residential Population Estimates			
	2002	2013	2023
Estimated Population	3,510	3,935	4,150

5.2 Schedule for Beneficial Use

After reviewing CRRWC’s water rights with the Water Resources Department over the past few months, the company is in the process of certificating its rights at this time. A “Claim of

Beneficial Use Site Report” was submitted to WRD on August 6, 2003, showing that CRRWC has proved up on its claim and met the beneficial use prior to Oct. 1, 1998.

5.3 Demand Forecast

The four components required to forecast CRRWC’s total system demand includes average day demand (ADD) and maximum day demand (MDD) of metered customers, unmetered authorized demand, leakage, and fire flow protection. These are described in detail below.

ADD and MDD of Metered Demand

To calculate future ADD, a water demand factor was applied to the total number of customers forecasted for the years 2013 and 2023. The water demand factor was calculated by dividing historic total metered customers’ ADD by the total number of associated accounts. This calculation was performed for 2000 through 2002. 1998 and 1999 were not used because demand characteristics for CRRWC’s customers during these years were thought to less accurately reflect future demand characteristics than the demand for 2000 through 2002. Table 5-3 shows how the water demand factor was calculated.

Table 5-3 Crooked River Ranch Water Company Water Demand Factor				
	Consumption (gal)	Residential and Commercial Accounts (1)	Gallons per Account per Year	Gallons per Account per Day
2000	130,064,955	1,328	97,940	268
2001	142,207,018	1,418	100,287	275
2002	162,305,641	1,448	112,090	307
			Average	283

(1) Data for individual demand for the residential and commercial classes were not disaggregated due to the limited capabilities of CRRWC’s automated billing system.

Two assumptions were made regarding the calculation of the water demand factor. First, it was assumed that consumption for the commercial class is similar to demand by the residential class on an account by account basis, as stated in Section 2. Second, it was assumed that the character of the residential and commercial class will remain the same; in other words, average consumption volumes per account will not change in the next 20 years.

Future demand was calculated by applying the demand factor of 283 gallons per day per account to the future number of accounts as presented in Table 5-1. Table 5-4 shows the forecasted average day demand for CRRWC for 2013 and 2023.

Table 5-4
Crooked River Ranch Water Company
Metered Customers' Demand Forecast

	Demand Factor	Accounts	ADD (gal)	ADD with conservation (gal)	MDD (gal) (1)	MDD with conservation (gal) (2)
2002 (actual)	307	1,448	444,673	N/A	1,543,015 (3)	N/A
2013	283	1,658	469,997	421,522	1,289,858	1,283,441
2023	283	1,764	499,908	448,348	1,371,945	1,365,119

(1) 3.06 peaking factor multiplied by "ADD with conservation"

(2) 3.04 peaking factor multiplied by "ADD with conservation"

(3) Estimated from existing records

As identified in Section 3, CRRWC's conservation measures are anticipated to reduce average day demand by 13.5%. Table 5-4 shows the difference in average day demand when conservation savings are applied.

Maximum day demand was also calculated and shown in Table 5-4. Recall that Section 2 noted an average peaking factor of 3.06 over 2000 to 2002. Section 3, however, suggested that due to the conservation messages on the back of customers bills during peak season, maximum day demand is anticipated to decrease by 0.5% which translates to a peaking factor of 3.04. This peaking factor was multiplied by "ADD with Conservation" to get "MDD with Conservation." Table 5-4 shows the maximum day demand with and without conservation. For these MDD forecasts, CRRWC assumed the peaking factor would stay the same over the 20 year planning horizon.

Unmetered Authorized Demand

Section 2 identified the demand of six unmetered, but authorized uses of water. (Recall that "Water Pump Lubricating", a metered use, is also categorized as unmetered and authorized and included in this category.) Since consumption estimates for this category was most reliable for the year 2002, it was assumed that the 2002 unmetered authorized demand of 9,565,408 gallons will also be the standard annual demand volume for future years.

Leakage

Leakage is an important element used to determine total future system demand. In Section 2 a average historic leakage amount of 3.3% of total system production was calculated. To determine future leakage, this same percentage may be applied to total system production, but since leakage is a component of total system production, future production volumes are not known. Therefore the historic leakage estimate of 3.3% was manipulated algebraically to obtain 3.6% of *metered demand*. When this percentage is applied to forecasted metered demand, a forecasted leakage volume is obtained.

Fire Protection Flow

Section 2 discussion about fire protection flow noted a need to maintain an instantaneous fire protection flow capacity of 1,500 gpm for commercial sites and 1,200 gpm for residential sites. Since commercial sites may be found on both the upper and lower levels in the next 20 years, CRRWC's demand forecast assumes a maximum fire protection flow for the entire system of 1,500 gpm.

Though CRRWC usage of this volume of water for fire protection flow will be very infrequent, CRRWC still needs to plan for such use. For this reason, this flow rate of 1,500 gpm has been translated to 2.16 mgd and was added to the demand forecast.

Total System Demand

The demands previously described—that is metered demand, unmetered authorized demand, leakage, and fire protection flow—were summed to forecast total system demand in 2013 and 2023. These values are shown in Table 5-5. Note conservation has been factored into the “Metered Average Day Demand with Conservation” figures for 2013 and 2023.

Table 5-5 Crooked River Ranch Water Company Total System Demand Forecast		
Total System Demand (gallons per day)	2013	2023
Metered Average Day Demand with Conservation	421,522	448,348
Unmetered Authorized (1)	26,207	26,207
Leakage (3.6% of metered demand)	15,175	16,141
ADD Subtotal	462,904	490,695
MDD Subtotal (2)	1,409,438	1,494,057
Instantaneous Demand for Fireflow		
1,500 GPM translated to GPD	2,160,000	2,160,000
Total System Demand with Fireflow (gallons per day)		
ADD Total	2,622,904	2,650,695
MDD Total	3,569,438	3,654,057

1. Included is the metered use “Water Pump Lubricating”.

2. Maximum day demand calculated by applying a reduced peaking factor of 3.04 (due to conservation) to the categories “Leakage”, “Metered Average Day Demand”, and “Unmetered Authorized”.

For 2013, CRRWC projects an average day demand of 462,904 gallons with an instantaneous demand of 1,500 gpm or 2.16 mgd for a total ADD of 2.6 mgd (4.06 cfs). The ADD for 2023 increases to almost 2.7 mgd (4.10 cfs). MDD is forecasted to be about 3.6 mgd (5.52 cfs) and reach about 3.7 mgd (5.65 cfs) by 2023. In light of CRRWC's water right of 5 cfs, or 3.2 mgd, CRRWC's forecasted demands exceed this rate when factoring in fire protection flow demands. Exhibit 5-1 and 5-2 shows CRRWC's total ADD and MDD system demands from 1998 to 2023 without and with fireflow requirements, respectively, relative to CRRWC's water right of 5.0 cfs.

Based on the projected instantaneous demands that include fire protection flow, the demands exceed the current 5.0 cfs of CRRWC's water rights. However, since CRRWC has reservoirs that can provide a portion of the fire protection flow demand over a short-term, green light water of 5.0 cfs is an appropriate rate to maintain. Therefore, CRRWC requests full quasi-municipal use of the instantaneous rate 5.0 cfs on the aquifer in the event of a short term fire.

Source Reliability

As discussed earlier in Section 2.2, the aquifer from which CRRWC draws water is considered a reliable source of water for the next 20 years. Current constraints to use full water right volumes are due to capacity limitations and not aquifer producing capabilities. In other words, the aquifer will be able to supply CRRWC's customers with the volumes and rates forecasted until 2023.



Exhibit 5-1

Crooked River Ranch Water Company Groundwater-Friendly Gardening



- Apply fertilizer according to the plant's needs. Fertilizer in excess of plant uptake can pollute the groundwater and it is a waste of money. DO NOT fertilize in the winter because plants aren't growing and the heavy rains transport the nitrogen below the rooting zone before spring growth begins.
- Use a mulching lawn mower instead of removing clippings.
- Install backflow devices to prevent the siphoning of irrigation water back down the well or into your drinking water supply.
- DO NOT use spray devices that attach to the end of the hose for fertilizer or pesticides because of backflow risk.
- DO NOT store any chemicals in the pump house. Accidental spills can reach the groundwater directly via the well hole.
- Refuel all motorized equipment (mowers, tillers, chain saws, etc.) on a hard surface at least 100 feet away from the well. Collect all petroleum products from oil changes and winter drainage of fuel tanks. Check with your local garbage company on proper disposal methods.
- Take special care when using FRESH MANURE in your garden because it contains fecal coliform bacteria and nitrogen. Time fresh manure applications like fertilizer — use when the plants are growing and able take up the nitrogen. If you are storing manure for spring use, cover the piles to prevent leaching by winter rains. You can spread fresh manure in the fall if you are adding uncomposted organic matter, such as shredded leaves or sawdust, because the process of breaking down the organic matter takes up the nitrogen. Prevent manure contaminated surface runoff from reaching your well area.
- Use water conservation practices around your homestead. Install low-flow irrigation and/or drought tolerant plant. Let your lawn go dormant (brown) in the hottest part of the summer; it will green up when the fall rains return.
- Consider the potential impacts on groundwater and surface water runoff when building any structures or initiating new practices on your homestead.

*Prepared by Gail Glick, Oregon Home*A*Syst Coordinator and Master Gardener, Revised Dec. 1995. Home*A*Syst is a groundwater protection project to help rural residents assess structures and practices that may be contaminating the groundwater that supplies their drinking water.*



Home*A*Syst is a cooperative project of the Oregon State University Extension Service with additional funding from the Oregon Department of Environmental Quality. The Extension Service offers its programs and materials equally to all people. Oregon Home*A*Syst, OSU Bioresource Engineering Dept., 116 Gilmore Hall, Corvallis OR 97331-3906. (541)737-6294.







Economic and Engineering Services, Inc.

Bellevue: 425.452.8100 Mount Vernon: 360.404.5665 Olympia: 360.352.5090 Portland: 503.223.3033 Tri-Cities: 509.374.5224

Gerry Clark

From: Gerry Clark
Sent: Monday, October 08, 2007 1:33 PM
To: 'DOUGHERTY Michael'
Subject: RE: Crooked River

Mike,

As requested, here is a follow up to our conversation from earlier today.

No effect for demonstration of Ben. Use.

When the Department determines the amount of water beneficially used by a municipal or quasi-municipal water user, we look for a demonstration by the water user that they can appropriate/divert to use (not waste) the rate they are claiming in the Claim of Beneficial Use. Water appropriated/diverted during the demonstration period must be beneficially used, but not necessarily during the demonstration period. The water can also be diverted into in-system storage tanks and consumed later.

The second issue we discussed was if fire flows would be considered as part of the demonstration beneficial use. The answer is that they are not used in determining the extent of beneficial use. Again, the Department is looking for a demonstration of the ability of the water user to divert to use/in-system storage a specific rate of water for four hours within a maximum eight hour period. This does not mean that, in the case of a fire related emergency, the water user would not be able to divert a rate greater than the right.

Let me know if you have any additional questions.

Gerry

Gerry Clark
Water Rights Specialist/Certificates
725 Summer St. NE, Ste. A
Salem, OR 97303

Phone: 503-986-0811
Fax: 503-986-0901

<http://www.wrd.state.or.us/>

From: DOUGHERTY Michael [mailto:Michael.Dougherty@state.or.us]
Sent: Friday, September 21, 2007 2:10 PM
To: CLARK Gerald E
Subject: RE: Crooked River

Gerry,

I hate to be pain, but on Crooked River's CBU, what is the effect of fire flow?

According to CRRWC's Water Management and Conservation Plan, the Company lists the total system demand for 2013 as:

Metered ADD with Conservation	421,522
Unmetered Authorized	26,207
Leakage (3.6% of metered demand)	15,175
ADD Subtotal	462,904
MDD Subtotal	1,409,438
Instantaneous Demand for Fire flow 1,500 GPM translated to GPD	2,160,000
Total System Demand with Fire flow	
ADD Total	2,622,904
MDD Total	3,569,438

The fire flow and MDD gets the Company to the permit 3.23 MGD. ADD for 2006 was approximately 409,853; MDD for 2006 was about 927,182. So would emergency firefighting be an exempt use (I'm not sure what an exempt use is)? According to Bill's e-mail below, "at this time, when assessing demand on new water right applications it is not part of a daily need that should be incorporated into the demand."

The Company's current T-9663 adds the new well in order to get to the permit MGD based on above calculations. Customer count isn't going to increase dramatically (and average household will not increase either). Maybe a hundred customers in the next 6 years (to 1,658) and probably maxing out at 1,764 in 2023. If average use per customer stays steady then ADD and MDD will increase about 15 percent in the next 16 years. Still way below the permit amount.

Although this is an issue for the current rate case, it mainly has to do with fire flow and the need for a new well. According to the plan, the two current wells, can pump out 1,300 gpm.

I'm going into Evidentiary Hearings in a few weeks and any back-up info would be extremely useful.

Thanks - Mike

Michael Dougherty
Program Manager
Corporate Analysis & Water Regulation
Oregon Public Utility Commission
(503) 378-3623
michael.dougherty@state.or.us

10/8/2007

From: Bill Fujii [mailto:fujiiwh@wrdd.state.or.us]
Sent: Friday, September 07, 2007 11:33 AM
To: DOUGHERTY Michael
Cc: CLARK Gerald E
Subject: RE: Crooked River

Michael - I've not gotten a chance to review the WMCP as yet. The CBU issue is interesting. I'll ask my colleague that works on certificates. One aspect of the discussion may be that emergency firefighting is an exempt use, at this time, when assessing demand on new water right applications it is not part of a daily need that should be incorporated into the demand.

We may allow a municipal use to take water to fill their in-line storage at a pretty high rate, typically they do not do this since the transmission and distribution system are not built to handle maximums of all water use permits. All that being said, all systems are different I have not reviewed their capacity as yet. Gerry is the one that assesses their diligence on the CBU and I would defer to his process. My role is to assess their efficiency, preparation for curtailment and water supply planning for future.

Bill Fujii 503 986 0887

From: DOUGHERTY Michael [mailto:Michael.Dougherty@state.or.us]
Sent: Friday, September 07, 2007 10:08 AM
To: Bill Fujii
Subject: RE: Crooked River

Bill,

I remember you mentioning that you were going to read CRRWC's Water Management and Conservation Plan. I'm not sure if you got through it all (I haven't), but on page 5-3 (starting on 5-2) the Company states,

"A 'Claim of Beneficial Use Site Report' was submitted to WRD on August 6, 2003, showing that CRRWC has proved up on its claim and met the beneficial use prior to Oct. 1, 1998."

It seems (on page 5-5) the beneficial use is dependent on the Instantaneous Demand for Fire flow at 1,500 GPM.

Based on the last e-mail, I understood as the Company Claim of beneficial use is due on October 1, 2008 (T-9663), so the above statement appears not to be accurate.

So being unschooled in this area (but getting smarter by the week), I take it that the Company is building Well #3 (T-9663) in order to be able to provide the additional gpm for instantaneous fire flow. According to the Plan, this fire flow coupled with its maximum daily demand would allow the Company to perfect its permit of 5.0 cfs and 3.23 MGD.

So some questions:

1. How deeply does OWRD look a fire flow gpm in terms of perfecting water rights? Is the gpm something that OWRD analyzes or accepts on face value? (Since 59% of the MGD is in the fire flow).

2. Am I on track with this stuff?

Thanks - Mike

From: Bill Fujii [mailto:fujiiwh@wrdd.state.or.us]
Sent: Wednesday, September 05, 2007 9:39 AM
To: DOUGHERTY Michael
Subject: RE: Crooked River

you are welcome, did you get everything you need?

Bill Fujii 503 986 0887

From: DOUGHERTY Michael [mailto:Michael.Dougherty@state.or.us]
Sent: Tuesday, September 04, 2007 5:06 PM
To: Bill Fujii
Subject: RE: Crooked River

Bill,

Thanks and very timely,

Mike

From: Bill Fujii [mailto:fujiiwh@wrdd.state.or.us]
Sent: Tuesday, September 04, 2007 2:54 PM
To: DOUGHERTY Michael
Cc: Kyle Gorman
Subject: FW: Crooked River

Bill Fujii 503 986 0887

10/8/2007

Michael - please refer to the email from Kyle Gorman, our Region Manager in that area. We appreciate your checking with us.

Bill

From: Kyle Gorman
Sent: Tuesday, September 04, 2007 2:43 PM
To: Bill Fujii
Subject: RE: Crooked River

Bill,

The first transfer (actually permit amendment) added well number #4. At present they have the ability to pump up to 5 cfs from wells #2,3, and 4. The second permit amendment moved the well location of well #3. If the well was already drilled this must have been a new well and they renamed it well #3. They currently are using substantially less than allowed by the permit - 1.43 cfs peak vs. their allowed rate of 5 cfs.

The statement about the well being placed in operation by 10/1/08 is not completely accurate. They need to perfect the water right by this date in 2008 or file for an extension of time which I assume they will do.

The last statement is also misleading. The company can perfect their rights at that time but just to a lesser amount. There is nothing wrong with that but I would advise them to file an extension.

Kyle

From: DOUGHERTY Michael [mailto:Michael.Dougherty@state.or.us]
Sent: Wednesday, August 29, 2007 5:19 PM
To: Bill Fujii
Subject: Crooked River

Bill,

If you have the time, can you let me know if the following statements (in red) are accurate concerning Crooked River's water permit. Thanks. I appreciate the help, but apologize for always asking for help! Mike

The Company has water rights of 5 cubic feet per second (cfs), 3.23 million gallons per day (MGD) under permit No. G-11376, with a priority date of June 18, 1991. The water rights are assumed to cover 2,600 potential lots at Crooked River Ranch. Based on data received from the Company, customer usage in 2006 was approximately 20 million cubic feet. This annual usage equates to approximate average of 409,863 gallons per day. Actual peak demand in August 2006 was 927,182 gallons per day (gpd). This usage aligns with the Company's 20-Year Master Plan lists peak demand of 970,362 gpd. As a result, the Company currently has sufficient water rights for current and future operations.

Although the Company has sufficient water rights, CRRWC applied for and received an Order (T-9663) from the Oregon Water Resources Department (OWRD) to change the point of appropriation of a new well, Well No. 3. To fulfill the Order, the well must be legally conveyed to CRRWC and placed in operation by October 1, 2008. If CRRWC fails to meet this date, they will need to refile with OWRD. However, it should be noted that the application did not change the permit cfs and MGD, both staying at 5 and 3.23 respectively. As previously demonstrated, the actual peak demand of 927,182 gpd is substantially lower than the permit amount of 3.23 MGD and current wells have sufficient capacity to fulfill current usage.

And

Additionally, the new well without associated increased usage to meet the Company's current water permit would not necessarily result in the Company perfecting its water right.

10/8/2007

TO: Water Rights Section

9/3, 1991

FROM: Groundwater/Hydrology Section

Sarah Meyer

Reviewer's Name

SUBJECT: Application G- 12579

PER THE Dashutes Basin rules, one or more of the proposed POA's is within _____ mile of a surface water source and taps a groundwater source hydraulically connected to the surface water.

BASED UPON OAR 690-09 currently in effect, I have determined that the proposed groundwater use

- a. _____ will, or } have the potential for substantial interference with the nearest surface water
b. ☒ will not } source, namely Crooked River; or
c. _____ will, if properly conditioned, adequately protect the surface water from interference:
i. _____ The permit should contain condition #(s) _____;
ii. _____ The permit should contain special condition(s) as indicated in "Remarks" below;
iii. _____ The permit should be conditioned as indicated in item 4 below; or
d. _____ will, with well reconstruction, adequately protect the surface water from substantial interference.

BASED UPON available data, I have determined that groundwater for the proposed use

- a. _____ will, or }
b. _____ will not } likely be available in the amounts requested without injury to prior rights; or
c. _____ can, if properly conditioned, avoid injury to existing rights or to the groundwater resource;
i. _____ The permit should contain condition #(s) _____;
ii. _____ The permit should contain special condition(s) as indicated in "Remarks" below;
iii. _____ The permit should be conditioned as indicated in item 4 below.

- a. _____ THE PERMIT should allow groundwater production from no deeper than _____ ft. below land surface;
b. _____ The permit should allow groundwater production from no shallower than _____ ft. below land surface;
c. _____ The permit should allow groundwater production only from the _____ groundwater reservoir between approximately _____ ft. and _____ ft. below land surface;
d. _____ Well reconstruction is necessary to accomplish one or more of the above conditions.
e. _____ One or more POA's commingle 2 or more sources of water. The applicant must select one source of water per POA and specify the proportion of water to be produced from each source.

REMARKS:

Diack letter

confined aquifer lower than
River

> 1/4 mile away

6-12579

STATE OF OREGON
WATER RESOURCES DEPARTMENT

INTEROFFICE MEMO

TO: FILE G-12 579
FROM: SARAH C MEYER
SUBJECT: SURFACE/GROUND WATER CONSIDERATIONS

DATE: 9/3-91

The applicant seeks 5 cfs from two wells for quasimunicipal use in Crooked River Basin

Per Division 9

Jefferson County

FACTS

The well locations and aquifer display the following: ^{1400'}
~~2000'~~

1) Well #1 is located 1380' from Crooked River and well #2 is located 2350' from Crooked River

2) Well #1 is 413' deep and well #2 is 494' deep developing water in Rock. The well logs are in the file.

3) The static water level for well #1 was ? on — and for well #2 it was 286 on 6/4/49 from the log reports.

4) The approximate elevations of the wells are 2540' for well #1 and 2606' for well #2.

5) The nearby stream reach elevation is 2280 / 2420 feet.

} 150'

6) — describes groundwater conditions in the area of the application.

7) A pump test on the well #1 produced — gpm with — feet drawdown in — hours. Well #2 produced ~~1100~~ gpm w/ ~~1200~~ feet d.d in 2 hours.

CONCLUSIONS

1) The head at well #1 is (2187) and at well #2, 2314, indicating a lower standing with the nearby stream reach.

2) The well develops water from the Deshutes Formation

3) Based on requested rate, heads, distances, general geologic environment and logged materials, I conclude that the alluvial aquifer is unconfined with no hydraulic connection to the nearby stream and w/out the potential to cause substantial interference.

#2 353' - 357' soft porous Black Rock (water)
381 - 406 soft brown porous Rock "

#3 307 - 313' soft grey rock, broken (WB)
352 - 356 soft porous grey rock
394 - 401 soft porous black rock
478 - 401 " " " " black rock

2600 2600
286 307
2293
2314
2570
353
2187

Application # G-12579 / Permit # G-11376

Route Slip ... Extension of Time

per Division 315 Rules... (Extensions received on July 1, 2001 or after)

♦ WRIG...

Money Received: \$100.⁰⁰ 4-3-00

♦ Lisa Juul...

Extension Completeness: OK - [initials]

☒ If NOT complete, send certified letter requesting add'l information.)

If Extension Appl complete and \$100 fee submitted, route to...

♦ Jonnine Fuss...

Initial 30-day Public Notice: 4/20/04 [initials]

Update Extension Database: 4/20/04 [initials]

Files back to filing cabinets: 4/20/04 back to Lisa

At the close of the Initial 30-day Comment Period...

♦ Lisa Juul...

Pull files for Ext PFO review: _____

Extension PFO completed: _____

Once Extension PFO signed by Dwight French...

♦ Jonnine Fuss...

Prepare Ext PFO for mailing to applicant: _____

Mail to those who commented and paid copy fee: _____

Include Ext PFO on weekly Public Notice: _____

Within 60 days after the close of the 45-day PFO Protest Period...

(PFO Protest Period ends 45 days from PFO sign date)...

♦ Lisa Juul...

Issue an Extension FO: _____

Municipal or Quasi-Municipal EXTENSION REVIEW CHECKLIST for PFO... per Div. 315 Rules

Application #: G-12579 Permit #: G-11376

Permittee's Name: Crooked River Ranch Water Co.

Attn: James Rooks

Permittee's Mailing Address: PO Box 1388, Crooked River Ranch, OR 97760

POD Location: Township 13-S Range 12-E Section 24 $\frac{1}{4}$ $\frac{1}{4}$ NWNW & SWSE

Stream Basin: _____ County: Jefferson & Deschutes

✓ 1. Has the applicant completely filled out the updated Extension Application form? Yes / No \$100 paid on 4-3-00.

***If "No" has certified request for the new extension form been sent? Yes / No

✓ 2. Shortcomings of Extension Request..... based upon review of updated extension form Yes / No
*****(NOTE: Any missing Extension information that is needed before an Extension PFO can be completed???)**

NOTE: #T-9663 submitted on 3-9-04 to add additional point of appropriation.

See #828 T-↓

✓ 3. Date Permit was issued: 11-18-91 (priority = 6-18-91)
(Sp. Order Vol. 51, Pg. 1235 - approved an add'l PFO under the Permit, being Well #4)

✓ 4. Source: Two Wells (#2 & #3) in the Crooked River Basin

✓ 5. Use: Quasi-Municipal Use

✓ 6. "Q": 5.0 cfs (being 2.5 cfs from each well)

✓ 7. Original "B" Date: 10-1-93 Original "C" Date: 10-1-94

✓ 8. Conditions of Permit: Original "A" Date: 11-18-92

• Within one year of permit issuance shall submit a Water Management & Conservation plan.

✓ 9. Extension request received: orig. appl. \$100 on 4-3-00 amended 4-6-04 Request Number (...1st 2nd, 3rd): 2nd

✓ 10. Last Authorized "B" Date: 10-1-98 Last Authorized "C" Date: 10-1-98

✓ 11. Proposed "B" Date: 10-1-2009 Proposed C Date: 10-1-2009

* See Fax received on 5-3-04.

✓ 12. Amount Invested to date: 2,024,700.⁰⁰ Estimated Total Cost: \$5,024,700.⁰⁰

Population

- Year 1995 population = Approx 2,570 (based on 1028 connections @ 2.5 persons/household)
- Year 2004 population = 3500 (based on: 1448 connections @ 2.5 persons/household)

(***Estimated Remaining Cost: \$3,000,000.⁰⁰)

- ✓ 13. The water project development made to date has been accomplished in accordance with the terms and conditions contained in the permit. Yes / No ***If "No"..... What permit terms and/or conditions have not been met?
- "A" Date Met (Orig Wells #2 & #3 were in existence ~~when~~ when CRRWC applied for permit (#G-11376))
 - Submitted a WMCP (Div 86) on 3-15-04.

- ✓ 14. Work on the water development project completed to date includes:
- Used 3.75 cfs of water.
 - Submitted a Div 86 WMCP.
 - Purchased Chlorination system & emergency use generator.
 - Wells #2, #3 & #4 (T-7828) Constr.
 - Repairs to Well #2 & cistern & Well #4
 - Construction of 2 storage reservoirs (see pg. 2-6 of WMCP - Sept 2003)
 - established service connections to 1448 households. (In 1999, had approx 1237 connections)

- ✓ 15. The work remaining to be completed consists of:
- completion of construction
 - full beneficial use of water.
 - Need to drill another well under permit amend (T-9663).

- ✓ 16. Progress in perfecting the permit is being held up by:
- Waiting for full buildout of lots & the associated increased demand for water.
 - Constraints of wells & water system have limited devel. to date.

- ✓ 17. Has the applicant pursued perfection of the right in good faith and with reasonable diligence? Yes / No
- | | | | |
|------------------------------------|--|--|---|
| • Complied with conditions. - Yes. | • Have used approx. 75% of total permitted Quantity of Water | • Have invested approx. 40% of total estimated cost to complete project. | • Have constructed approx 75%-80% of the water delivery system. |
|------------------------------------|--|--|---|

- ✓ 18. Determination of the market and the present demand for water or power to be supplied:
- | | | | |
|---|--|--|---|
| • Need to maintain adequate fire flows for the northern & southern portions of Crooked River Ranch. | • CRRWC expects growth/development to increase in near future based on past growth trends. | • No other potential water suppliers to provide an interconnection at a reasonable cost. - Must maintain Permit G-11376. | • Need to provide system redundancy will new POF (T-9663) |
|---|--|--|---|

- ✓ 19. Based on the written record, can the Department make a finding of "Good Cause" to approve the extension request?

Yes... "Good Cause" can be found. → Approval of Extension Request

~~No...~~ "Good Cause" cannot be found. → Denial of Extension Request

- ✓ 20. Conditions to be included on Extension PFO: ~~Conditions to be included on Extension PFO:~~
No Conditions

Extension "PFO" Dates

Checklist Last Revised: 11/31/2003

Mailing / Issuance Date: 5-25-04

Reviewer's Name: [Signature]

Protest Deadline Date: 7-9-04

Date: 5-4-04

Water Rights Information Query Results

Appl # G-12579
(Permit # G-11376)

Name	Application	Permit	Certificate	Decree	Claim	Transfer	Status
CROOKED RIVER RANCH <i>WATER Co.</i> PO BOX 1477 CROOKED RIVER RANCH OR 97760 (details)		G2280				T6828 (Confirming)	NC
CROOKED RIVER RANCH <i>WATER Co.</i> PO BOX 1477 CROOKED RIVER RANCH OR 97760 (details)		G2280	75144	0.06 cfs for Irrig. of 4.4 AC		T6604 T6828	NC
CROOKED RIVER RANCH WATER CO. PO BOX 1388 CROOKED RIVER RANCH OR 97760 (details)	G12579 <i>★ Subject Permit ★</i>	G11376				T7828 (Confirming) T9663 (Terminating) <i>↑ pending</i>	<i>Sp. Order</i> NC
CROOKED RIVER RANCH CO. TERREBONNE OR 97760 (details) <i>Association?</i>	S9258	S7149	64216				NC

Copy attached

*Sp. Order Vol. 51 Pg. 1235
issued 10-30-97*

Page:1

Download [Place of Use Data](#), [Point of Diversion Data](#), or [Owner Data](#)

[Return to the Water Right Information search screen](#)

Paul R. Cleary, Director

Oregon Water Resources Department • 725 Summer ST NE, Suite A • Salem, OR 97301 • Phone: 503-986-0900 • Fax: 503-986-0903

STATE OF OREGON
COUNTY OF JEFFERSON
CERTIFICATE OF WATER RIGHT

THIS CERTIFICATE ISSUED TO

CROOKED RIVER RANCH
P.O. BOX 1477
CROOKED RIVER RANCH, OREGON 97760

confirms the right to use the waters of WELL 2 in the CROOKED RIVER BASIN for IRRIGATION OF 4.4 ACRES.

This right was perfected under Permit G-2280. The date of priority is JANUARY 24, 1963. The amount of water to which this right is entitled is limited to an amount actually beneficially used and shall not exceed 0.06 CUBIC FOOT PER SECOND or its equivalent in case of rotation, measured at the well.

The well is located as follows:

NW¼ NW¼, SECTION 24, T 13 S, R 12 E, WM; 680 FEET SOUTH AND 780 FEET EAST FROM THE NW CORNER, SECTION 24.

The amount of water used for irrigation, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second, or its equivalent for each acre irrigated and shall be further limited to a diversion of not to exceed 3 acre-feet per acre for each acre irrigated during the irrigation season of each year.

The use shall conform to such reasonable rotation system as may be ordered by the proper state officer.

A description of the place of use to which this right is appurtenant is as follows:

NE¼ SW¼	0.3 ACRE
SE¼ SW¼	0.7 ACRE
NW¼ SE¼	2.8 ACRES
SW¼ SE¼	0.6 ACRE

SECTION 24
TOWNSHIP 13 SOUTH, RANGE 12 EAST, W.M.

When required by the Department the water user shall install an in-line flow meter or other suitable device for measuring and recording the quantity of water used. The type and plans of the measuring device must be approved by the Department prior to beginning construction and shall be installed under the general supervision of the Department.

The well shall be maintained in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon.

This use may be regulated if analysis of data available discloses that the appropriation will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway in quantities necessary for recreation, fish and wildlife in effect as of the priority date of this right or as those quantities may be subsequently reduced.

This certificate is issued to confirm a change in PLACE OF USE approved by an order of the Water Resources Director entered november 6, 1991, and together with Transfer 6828, supersedes Certificate 48452, State Record of Water Right Certificates.

Cert # 75144
page 1

The issuance of this superseding certificate does not confirm the status of the water right in regard to the provisions of ORS 540.610 pertaining to forfeiture or abandonment.

The right to the use of the water for the above purpose is restricted to beneficial use on the lands or place of use described.

WITNESS the signature of the Water Resources Director,
affixed SEP 18 1997.

/s/ MARTHA O. PAGEL

Martha O. Pagel, Director

Recorded in State Record of Water Right Certificates numbered 75144.

T-6828.LHN

Cert # 75144
page 2

No matter where you have been living, the Crooked River Ranch is different...not just a little bit different.

quieter, easier-going, with unusual things to intrigue you and opportunities to do things that are new and exciting. This isn't urban.

Mostly, there's the weather. Here at the ranch it's dry and sunny

most of the time. It can get hot, and it can get cold. But when it's this dry, you really don't feel either extreme. Once you live over here, you'll find when you go back to the Valley you "nearly freeze" when the weather is in the 30s and, as usual, moist.

most of the time, and you can see it for 50 miles. What you can see is the "back side" of mountains like Grand, Hood, and Jefferson, and the Sisters. From other sites on the Deschutes and Crooked River canyons, which are spectacular, and of the rivers themselves. Over here a spectacular view is the norm.

many ways. In a big town, you

ive downtown, look for a place to park, then give up and look for a parking lot. That's hard enough. And a lot, pay a lot, then walk a lot to get where you're going. Over here drive to town, not far, then often

Take it easy—When you first come over here, you may go out during hunting or fishing and a parking place at no length in front of where you're going. The door is 20 feet away, or maybe 20

ask the store next door when he'll be back. Answer is simple: "When he catches a deer," or "When he catches

Point is, they came over here for the same reason you did, to relax and take it easy. You just have to find some of the tension out of your life ways.

The ranch has its own special Rural Fire Protection District, run by a Board of Directors elected by ranch voters. All fire persons are

Also the ranch has a special

Road District, which has been improving and blacktopping main roads on the ranch for the past two years. The Road District just completed, in 1987, redoing and surfacing 33 miles of road at a total

Most parcels on CRR are served by the community water system, which draws by well from coious aquifers running underground from

the Cascades. The water, tested monthly to state standards, is so pure it never has needed any addition of chemicals. Remember how USED to taste? Before chlorine? Well, that's the

Electricity and phone service are available now to most parcels on the ranch — by mains, individual wells or truck delivery to systems.

Medical and dental service, as well as hospital care, is available in Redmond (15) miles Bend (30) and

Madras (30). Small but varied business communities, are available in all three. There are major retailers and shopping malls in Bend.

Whatever your leisure time

Golf, tennis and swimming facilities are here and owned by the ranch club available for use by all who already do the same thing.

members-owners. There is an active garden club, a horse group, a ceramics class. Bible study is a weekly class. Several fanciers are working together in pigeons. Walking for exercise in the early

morning is a hobby of many older people here. They tell us there is a whole different ranch out there about sunup time—things you don't see in the middle of the day.

If you have a hobby, somebody else here has it too.

If you recently have seen something in a newspaper or on TV about ridiculous things happening at the Ranch, we can explain that to you.

These things don't just "happen."

pen." They are organized and staged to create feature news stories about people having unusual fun here. The ranch's annual May Mule Mile has recently finished its eighth

year. It is now listed as a "Grand Old Traditional" gathering of the equine elite. The mules don't run, the STROLL uphill and must make sure they are not being urged to drink beer, which is the way, Mule Mile is "run" on Memorial Day weekend every year. In 1987 we had 30 mules per year, which can be pretty manual even without a race.

Trace

United Press International Press, Newswire carried stories about the way Mule Mile is more than 1,000 newspapers, TV and radio stations in the U.S., Canada and England.

In October each year we hold the One-Day River, in which water from a mill race is channeled down a mill race and into the Crooked River.

Nature lovers gather to watch the short-lived waterfalls, picnic and take suds away. Tens of millions of water sluice down the dry

wash and over the waterfall. The One-Day River, too, gets wide press coverage.

We formerly had a Pocket-Copper Day, run each June in conjunction with the golf course, but this year we had a POC Day in that we have not staged a POC Day in the past couple of years. It is subject to revival, however.

A new event of sports and recreation has been scheduled for the first time in the summer of 1987. This is a sort of "normal guy's" answer to seeing all those fit, muscular chaps running 26-mile marathons all over the place. The SGRCA may grow into another "normal guy's" event.

No, this isn't exactly wedding stuff. These events don't add authority to the world social order. But they are fun. You will enjoy such things. When you become a part of Crooked River Ranch.

- ① ORIGINAL RANCH COMPLEX
- ② STABLES & RODEO GROUNDS
- ③ COMMUNITY RV PARK
- ④ KIDS FISHING & PICNIC AREA
- ⑤ CLUBHOUSE, CAFE, POOL,
COMMUNITY STORE & POST OFFICE
- ⑥ GOLF COURSE
- ⑦ CHURCH
- ⑧ FIRE STATION
- ⑨ GAS STATION, AUTO & RV
REPAIR
- ⑩ LIGHT INDUSTRIAL AREA
- ⑪ RECREATIONAL VEHICLE STORAGE &
SEWAGE DUMP STATION
- ⑫ PLAYFIELD

SCORECARD		
HOLE	YARDS	PAR
1	467	5
2	320	4
3	287	4
4	130	3
5	275	4
6	452	5
7	150	3
8	323	4
9	312	4
TOTAL	2716	36

Application No. 6-12579
Permit No. G11376

ARD	
OS	PAR
	5
	4

Well #3
80'N & 480'E from Section 2
S 1/4 corner of

SCORECARD	
HOLE	YARD
1	467
2	320

3	287
4	130
5	275
6	452
7	150
8	323
9	312
TOTAL	2716

COURTESY OF
RECREATION
PROPERTIES
(503) 923-5031

To MADRAS —

CROOKED RIVER RANCH

PELTON DAM TO PORTLAND

26

WILSON CR

MADRAS

ROUND BUTTE DAM

LAKE CHINOOK

BOAT LAUNCH

97

CULVER

TO PRINEVILLE

97

CROOKED RIVER RANCH

97

SALEM CR

SALEM AND EUGENE

126

LOWER BRIDGE WAY

97

TERREBONNE

REDMOND

TO BEND

CROOKED RIVER

COURTESY OF
RECREATION
PROPERTIES
(503) 923-5031

**COURTESY OF
RECREATION
PROPERTIES
(503) 923-5031**

APPLICATION MAP
for
CROOKED RIVER RANCH

JEFFERSON COUNTY T. 13 S. R. 12 E.
DESCHUTES COUNTY T. 14 S. R. 12 E.

Obtain HUD property report from developer and read it before signing anything. HUD neither approves the merits of the offering nor the value of the property, if any.

Kegel & Associates, Inc.
CONSULTING ENGINEERS
SURVEYORS  PLANNERS
9800 Evergreen Way
Everett, Washington 98204
Ph. (206) 353-1119 or 775-5424

THIS MAP IS FOR GRAPHIC PRESENTATION ONLY. For full information on any lot shown, location, including the true boundary and all easements, restrictions and covenants pertaining thereto and exact location, size and other information relevant to purchase, consult the recorded plat and supporting documents. For information on uses approved for any lot or area consult local Government authorities.

T.12S. R.12E.
T.13S. R.12E.

No. 11

5

C.R.R. 4

No. 10

No. 6

No. 14

No. 12

No. 7

No. 8

22

PHASE II

No. 9

Well #4 1800' N 770' W from SE cor section 16

DESCHUTES

STEELHEAD FALLS



SCALE 1" = 1600'

88
60-4-11
11-4-03
Good copy



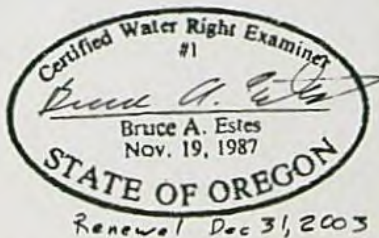
SCALE 1" = 1600'

JEFFERSON COUNTY
DESCHUTES COUNTY

T.13 S. R.12 E.
T.14 S. R.12 E.

Claim of Beneficial Use Map
for
CROOKED RIVER RANCH WATER CO.

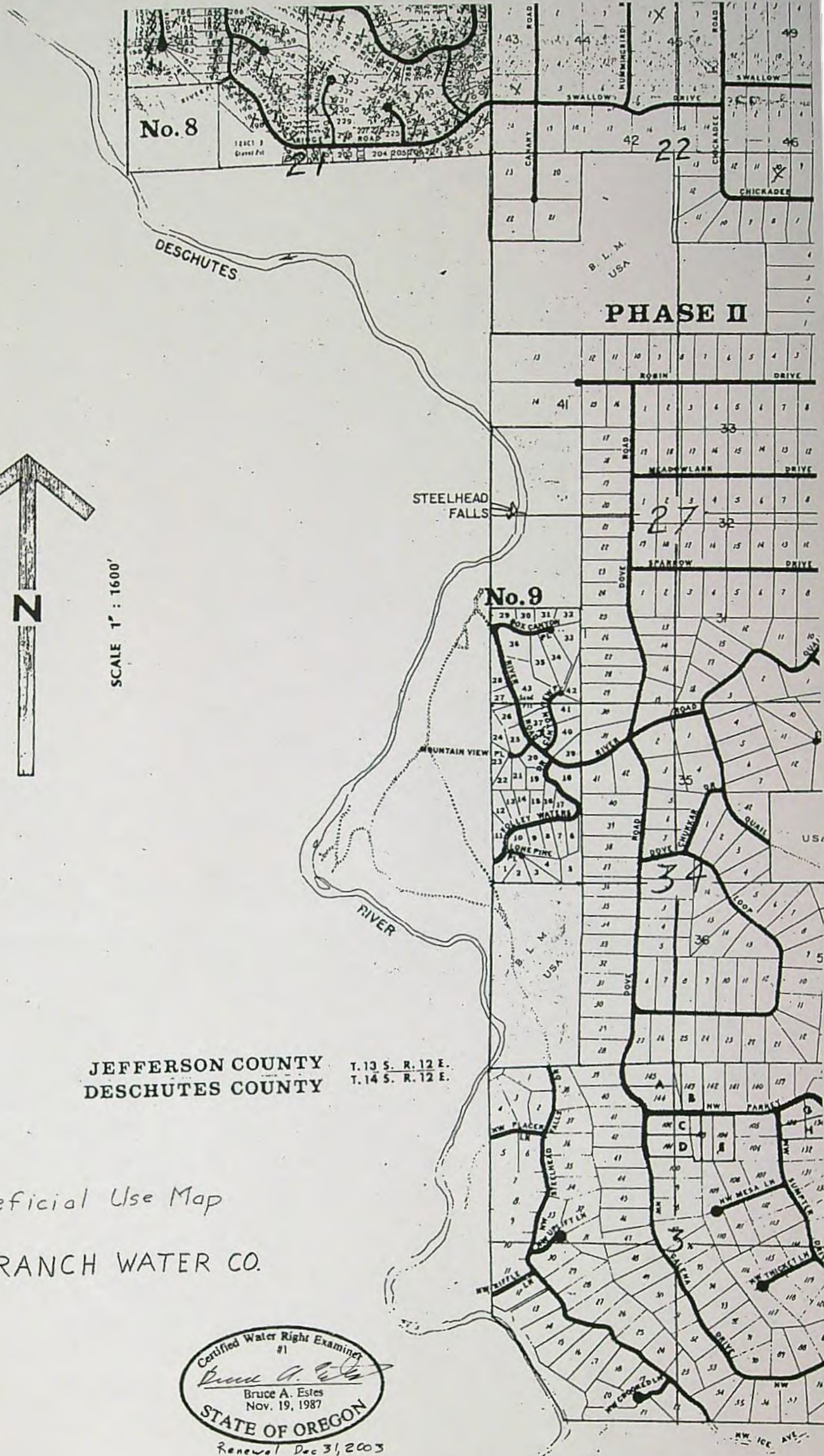
App G-12579
Per G-11376
& T-7828

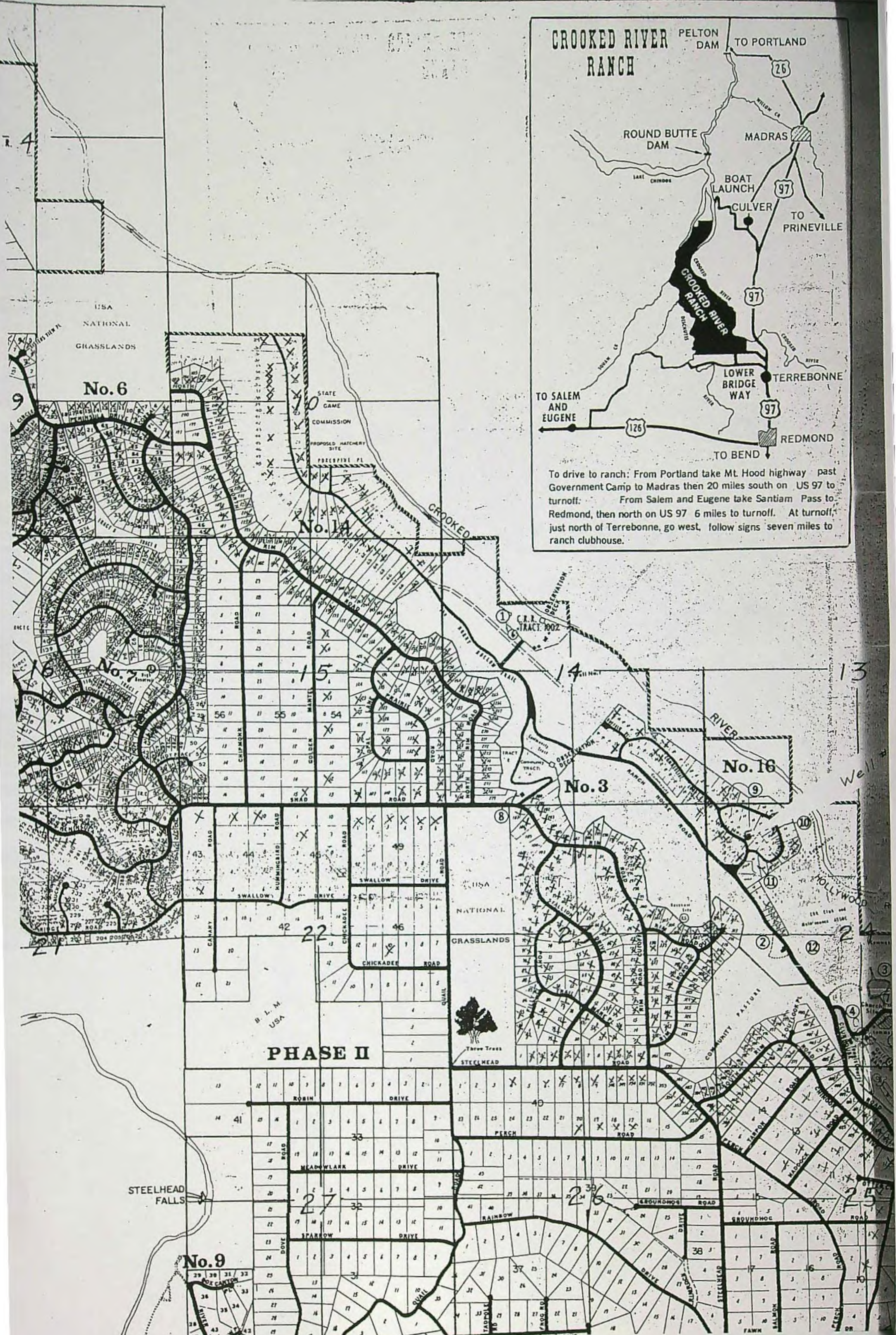


This map is for the purpose of
locating a water right only
and has no intent to provide
legal dimensions or the location
of property lines.

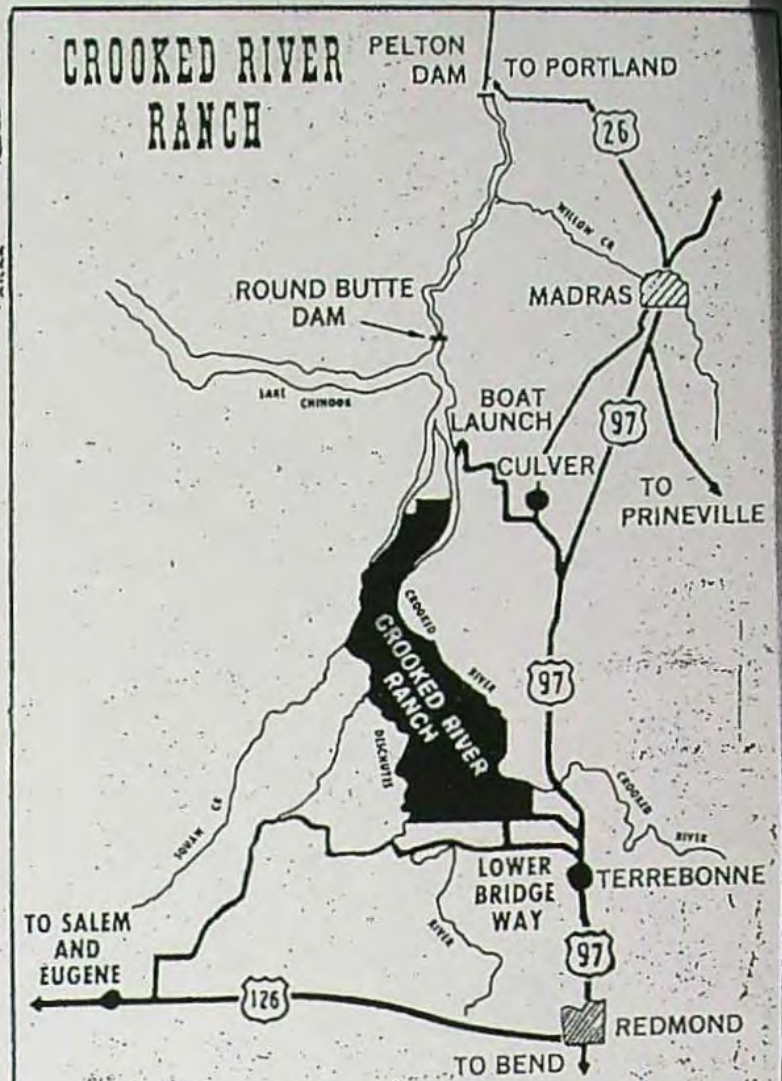
ESTES SURVEYS, LLC

6293 Sunnyview Rd. NE 60382 Arnold Rd.
Salem, OR 97305 Bend, OR 97702
(503) 585-7593 (503) 382-7391

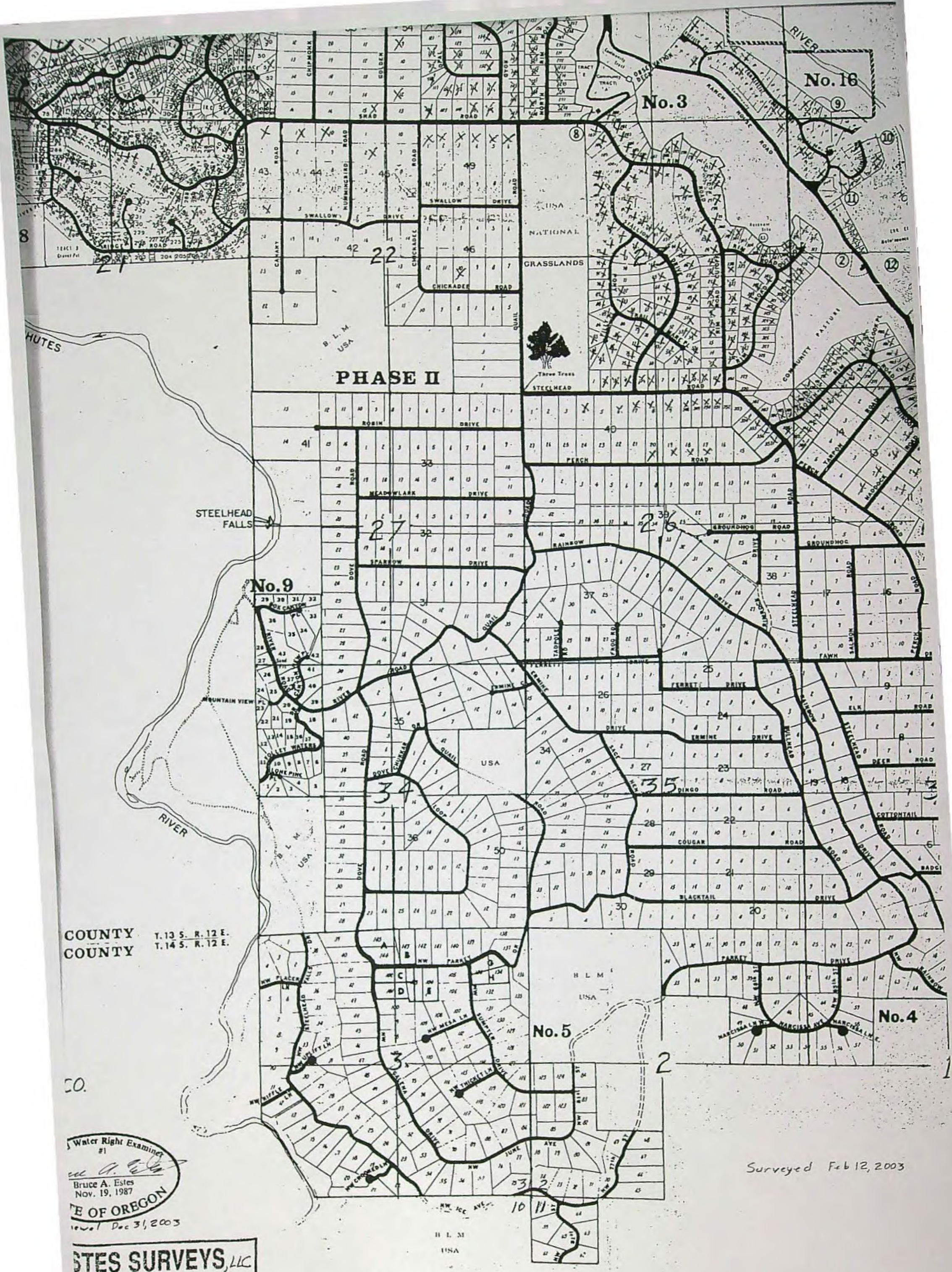




CROOKED RIVER
RANCH



To drive to ranch: From Portland take Mt. Hood highway past Government Camp to Madras then 20 miles south on US 97 to turnoff. From Salem and Eugene take Santiam Pass to Redmond, then north on US 97 6 miles to turnoff. At turnoff, just north of Terrebonne, go west, follow signs seven miles to ranch clubhouse.



COUNTY
COUNTY

T.13 S. R.12 E.
T.14 S. R.12 E.

Water Right Examiner
#1
Bruce A. Estes
Nov. 19, 1987
STATE OF OREGON
revised Dec 31, 2003

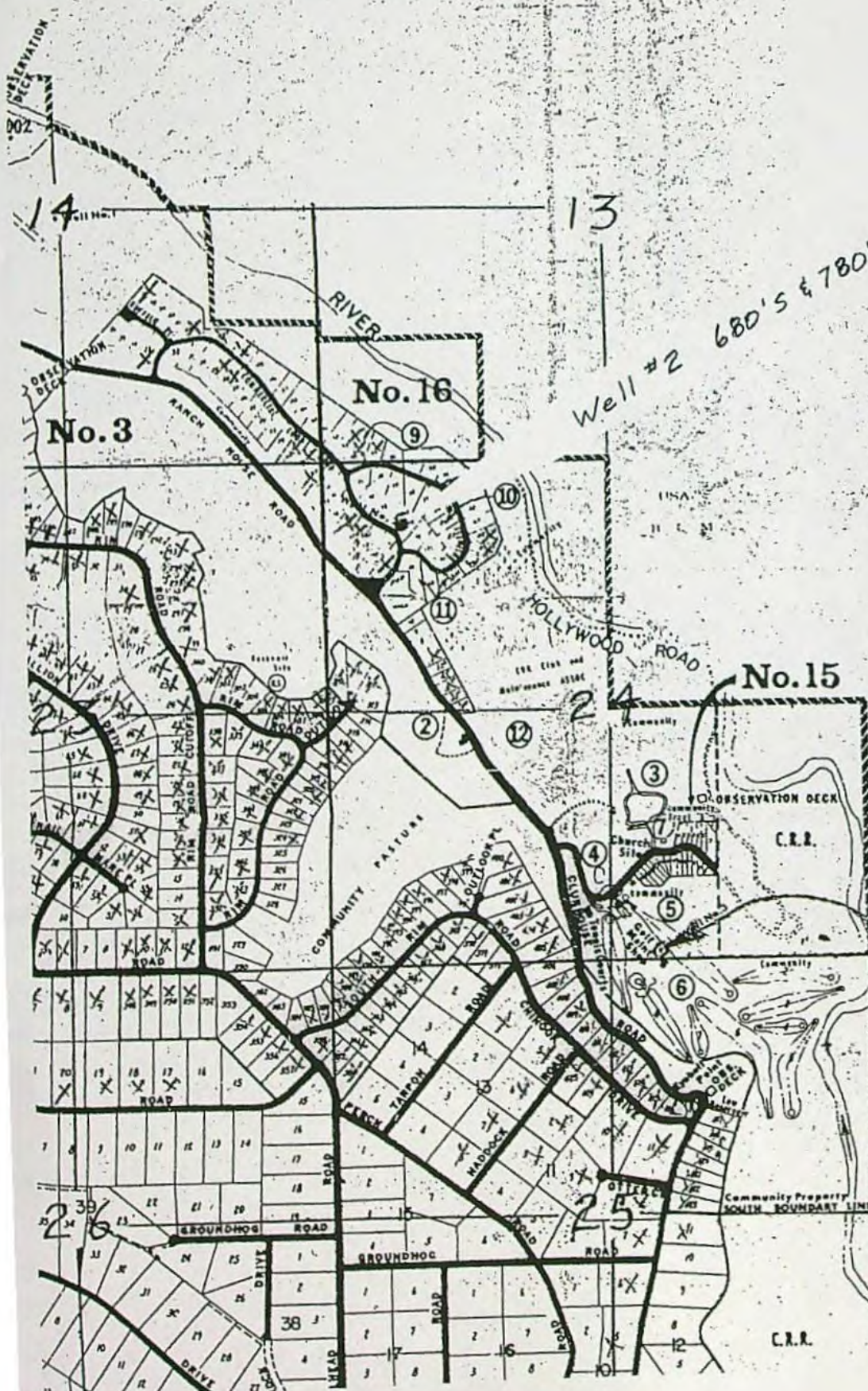
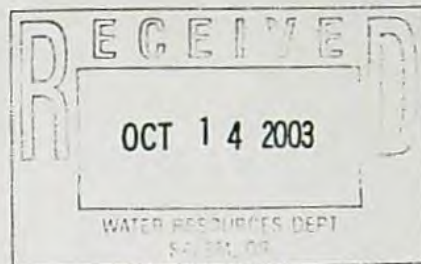
Surveyed Feb 12, 2003

ESTES SURVEYS, LLC
Sunnyview Rd. NE 60382 Arnold Rd.
Bend, OR 97705
(503) 585-7593 (503) 382-7391

CROOKED RIVER RANCH



To drive to ranch: From Portland take Mt. Hood highway past Government Camp to Madras then 20 miles south on US 97 to turnoff. From Salem and Eugene take Santiam Pass to Redmond, then north on US 97 6 miles to turnoff. At turnoff, just north of Terrebonne, go west, follow signs seven miles to ranch clubhouse.



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- ⑧ FIRE STATION
- ⑨ GAS STATION, AUTO & RV REPAIR
- ⑩ LIGHT INDUSTRIAL AREA
- ⑪ RECREATIONAL VEHICLE STORAGE SEWAGE DUMP STATION
- ⑫ PLAYFIELD

Well # 3 140' N & 770' E from S 1/4



SURVEYS
CONSULTING

LAND & WATER RIGHTS

Bruce A. Estes, PLS, CWRE

60382 Arnold Mkt. Rd.
Bend, OR 97702
(541) 382-7391
FAX 382-7391

PO Box 17519
Salem, OR 97305-7519
(503) 585-7593
FAX 585-7593

RECEIVED

AUG 06 2003

WATER RESOURCES DEPT.
SALEM, OREGON

*filed
8/12
no map
500
1/8 map
SB*

CLAIM OF BENEFICIAL USE SITE REPORT

Application G-12579, Permit G-11376

in the name of Crooked River Ranch Water Co.

INFORMATION: Went over the project with Jim (JR) Rooks, manager.

SOURCE: Three wells in the Crooked River Basin. Wells 2 & 3 were drilled prior to filing the application. Well # 4 was authorized under permit amendment T-7828. It was drilled April 25 to May 26, 1994.

DIVERSION POINTS: Well # 2 - NW 1/4 NW 1/4 Section 24, Well # 3 - SW 1/4 SE 1/4 Section 24; Well # 4 - NE 1/4 SE 1/4 Section 16, all in T 13 S, R 12 E, W.M.; # 2 - 680' South and 780' East from the NW corner of section 24; # 3 - 140' North & 770' East from S 1/4 corner of section 24; # 4 - 1800' North & 770' West from SE corner of section 16.

USE: Quasi - Municipal Use in the unincorporated town site and on 1131 lots prior to October 1, 1998.

CAPACITY: Well # 2 has a 150 HP turbine pump. It has a static level of 280' and a drawdown of only 2'. It should be capable of $7.04 \times 150 / 280 + 2 + 203 = 2.18$ cfs (978 GPM) at 80 psi. Well # 3 has a 100 HP turbine pump with a static level of 286' and a drawdown of 2'. It should be capable of $7.04 \times 100 / 286 + 2 + 203 = 1.43$ cfs (642 GPM) at 80 psi. Well # 4 has a 200 HP turbine pump with a static level of 502' and a drawdown of 2'. That pump should be capable of $7.04 \times 200 / 502 + 2 + 203 = 1.99$ cfs (893 GPM) at 80 psi. The three wells pump into two reservoirs with 800,000 gallons of capacity. Total pump capacity is $2.18 + 1.43 + 1.99 = 5.60$ cfs. In use the reservoirs are pulled down so the delivery rate exceeds the well pumping rate.

According to WRD policy the allowable rates for domestic including lawn and garden (domestic expanded) should be 0.03 cfs for 6 to 10 houses. With an evaporation rate exceeding 4' per season this location has one of the highest usage rates for lawns in the state. Therefore this permit should be authorized 0.03 cfs for 6 houses. The 1131 lots alone should have an allowance of $188 \times .03 = 5.65$ cfs ($1131 / 6 = 188.5$). The commercial use in the town site was not determined. The claim must be limited to the 5.0 cfs authorized by the permit.

TIE: The map was tied to the tax lot maps.

REMARKS: The B & C dates were extended to 10/1/98. Use was made within the extension. Well # 4 land surface datum is approximately 200' above wells 2 and 3. All 3 wells pump from the same aquifer.

RECEIVED

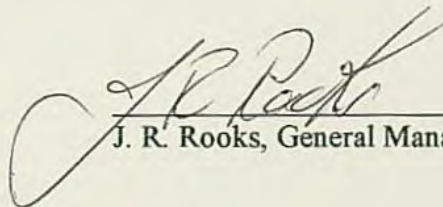
AUG 06 2003

WATER RESOURCES DEPT.
SALEM, OREGON

An inspection of the land under the terms of permit G-11376 was made by me February 12, 2003, and the facts contained in this report and accompanying map are correct to the best of my knowledge.



I, J. R. Rooks, agree with Mr. Estes' findings and submit this site report and map as our Claim of Beneficial Use of the water as provided under the terms and conditions of permit G-11376 and hereby request a water right certificate be issued.



J. R. Rooks, General Manager



Oregon

Theodore R. Kulongoski, Governor

Water Resources Department

North Mall Office Building
725 Summer Street NE, Suite A
Salem, OR 97301-1271
503-986-0900
FAX 503-986-0904

March 19, 2004

James Rooks, General Manager
Crooked River Ranch Water Company
P.O. Box 1388
Crooked River Ranch, OR 97760

Reference: Application File No. G-12579, Permit No. G-11376, Transfer Application No. T-9663

Dear Mr. Rooks:

Thank you for providing a copy of your Water Management and Conservation Plan Final Draft Report along with the chart of your maximum water use made on or before the completion date of your permit.

According to your chart, your maximum use of water on or before October 1, 1998, is approximately 3.75 cubic feet per second. This amount of water is less than the full quantity of water allowed by your permit.

If you wish to receive a certificate of water right at this time, the amount of water will be limited to the extent you can prove you have used water for a four hour period on or before October 1, 1998. If you wish additional time to fully apply the amount of water allowed by your permit, I recommend you complete a new extension form as requested in our letter of December 18, 2002.

Provided the extension of time request is approved, you may request the construction of an additional well by way of a permit amendment. Permit amendments are processed by our Field Services Division and they will assist you in completion of the requirements.

Please feel free to contact me if you have any questions and I will be happy to address any concerns you may have.

Sincerely,

Steve Brown
Certificates

c: Tom Paul, Administrator, Field Services Division
Dwight French, Manager, Water Rights Division
Bruce Estes, CWRE

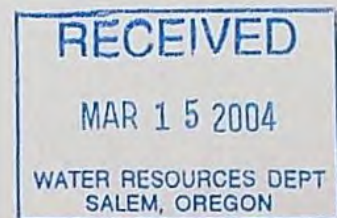
Fax



Name: STEVE BROWN
Organization: WRD
Fax: 503-986-0901
From: Barb Oakley, CRRWC
Date: March 12, 2004
Subject: RE: G-12579
Pages: 4

Comments: Attached is a letter, daily well logs for the month of August, 1998, and a graph to illustrate the water usage.

We have mailed the originals plus our WCMP this afternoon. If you have any questions or need further information, please give us a call or email.
Thanks!



From the desk of...



March 12, 2004

Steve Brown
Certificate Section
Water Resources Department
725 Summer Street NE
Salem, OR 97301-1271

Re: G-12579

Dear Mr. Brown:

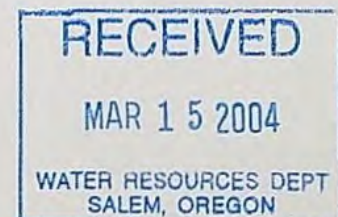
Enclosed is the documentation you requested to show that in August, 1998, we did, in fact, pump 3.75 cfs for a time period of approximately five hours. We realize that this is not the full 5 cfs that we will be requiring once our new Well #3 is on-line. By the year 2007, we will be in a position with three, 850 gallon per minute wells and will show the need for and the use of 5 cfs. We will be glad to supply you with any documentation you need to qualify for the 5 cfs at that time.

Just a reminder, we have renumbered Crooked River Ranch Water Company's wells. Well #4 has been renumbered to Well #1, Well #2 remains the same, and the new well will be CRRWC Well #3.

Thank you very much for your expedient attention to this matter as it's vitally important to this community.

Sincerely,

James Rooks, General Manager
Crooked River Ranch Water Company



DAILY LOG - WELL # 2

DATE AUGUST, 1998

DATE & TIME	OPERATOR	METER READING IN CU.FT	CL 1 YES NO	LUBE METER READING CU.FT.	DISCHARGE PRESSURE	LINE PRESSURE	STANDING WATER LEVEL	MOTOR TEMP.	ROOM TEMP.	Oil Level	Vibration	ON/OFF
LDPM												
1	X											
2		63424		95		115	318		89	Full		
3		131611		95		115	"		94			
4		199865				116	"		91			
5		267457		96		112	"		90			
6		336904				115	"		89			
7		405506		97		116	"		87			
8	X	480527				118	"		86			
9	X	554512		97		115	"		91			
10		629526				110	"		94			
11		697787		97		115	"		91			
12		765952				109	"		89			
13		834473		98		116	"		92			
14		902688				116	"		81			
15	X	978179		98		117	"		86			
16	X	27024				114	"		90			
17		103918		99		115	"		87			
18		17287				116	"		71			
19		241062		101		114	"		84			
20		376861				111	"		91			
21		376861		100		110	"		93			
22	X	445011				114	"		92			
23		520152		103		118	"		81			
24		590009				116	"		82			
25		6594910		103		116	"		76			
26		277646				112	"		81			
27		795788		104		111	"		90			
28		863929				110	"		96			
29	X	938914				111	"		81			
30		41931				116	"		85			
31		110118				117	"		76			

MAINTENANCE:

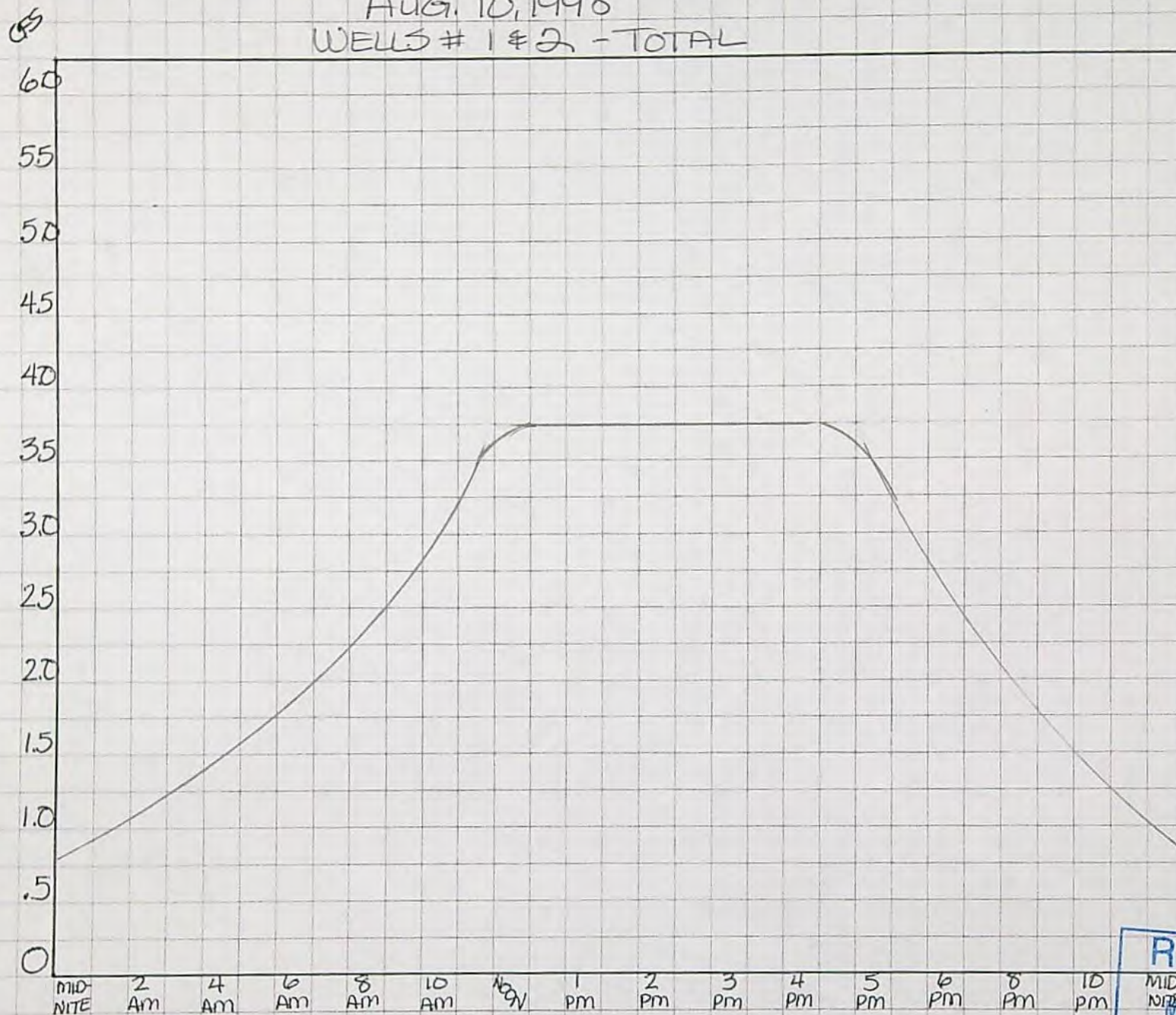
Checked looking on by pass.

RECEIVED

MAR 15 2004

PEAK DAILY USE
AUG. 10, 1998
WELLS # 1 & 2 - TOTAL

CRRWC



RECEIVED
MID-NITE
MAR 15 2004
WATER RESOURCES DEPT
SALEM, OREGON

Fax

Name: STEVE BROWN
Organization: WRD
Fax: 503-986-0901
From: Barb Oakley, CRRWC
Date: March 12, 2004
Subject: RE: G-12579
Pages: 4

Comments: Attached is a letter, daily well logs for the month of August, 1998, and a graph to illustrate the water usage.

We have mailed the originals plus our WCMP this afternoon. If you have any questions or need further information, please give us a call or email.
Thanks!

From the desk of...

March 12, 2004

Steve Brown
Certificate Section
Water Resources Department
725 Summer Street NE
Salem, OR 97301-1271

Re: G-12579

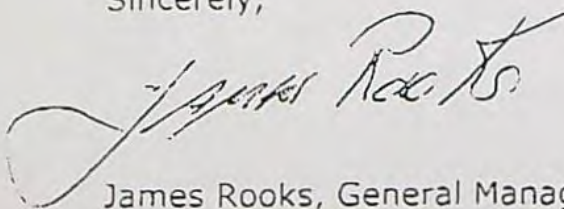
Dear Mr. Brown:

Enclosed is the documentation you requested to show that in August, 1998, we did, in fact, pump 3.75 cfs for a time period of approximately five hours. We realize that this is not the full 5 cfs that we will be requiring once our new Well #3 is on-line. By the year 2007, we will be in a position with three, 850 gallon per minute wells and will show the need for and the use of 5 cfs. We will be glad to supply you with any documentation you need to qualify for the 5 cfs at that time.

Just a reminder, we have renumbered Crooked River Ranch Water Company's wells. Well #4 has been renumbered to Well #1, Well #2 remains the same, and the new well will be CRRWC Well #3.

Thank you very much for your expedient attention to this matter as it's vitally important to this community.

Sincerely,



James Rooks, General Manager
Crooked River Ranch Water Company

DAILY LOG - WELL # 2

DATE

AUGUST, 1998

DATE & TIME	OPERATOR	METER READING IN CU.FT	CL 1 YES NO	LUBE METER READING CU.FT.	DISCHARGE PRESSURE	LINE PRESSURE	STANDING WATER LEVEL	MOTOR TEMP.	ROOM TEMP.	Oil Level	Vibration	ON/OFF
LDPM												
1												
2		35004		95		112	218		89	Full		
3		13101		95		112	"		94			
4		199865				116	"		91			
5		23055		96		112	"		90			
6		23055				112	"		99			
7		20000		97		116	"		97			
8		23055				118	"		86			
9		23055		97		115	"		91			
10		629526				110	"		94			
11		23055		97		115	"		91			
12		23055				109	"		89			
13		23055		98		116	"		92			
14		902688				116	"		81			
15		23055		98		117	"		84			
16		23055				114	"		90			
17		23055		99		115	"		87			
18		172870				116	"		71			
19		23055		101		114	"		89			
20		374861				111	"		91			
21		23055		100		110	"		92			
22		44201				114	"		92			
23		23055		102		118	"		81			
24		23055				116	"		82			
25		23055		103		116	"		76			
26		277646				112	"		81			
27		23055		104		111	"		90			
28		23055				110	"		96			
29		23055				111	"		87			
30		23055				116	"		85			
31		23055				117	"		76			

MAINTENANCE:

Checked Tanking on Duffins.

DAILY LOG - WELL # 4

DATE AUGUST 1998

DATE & TIME	OPERATOR	METER READING IN CU.FT	CL 1 YES NO	LUBE METER READING CU.FT.	DISCHARGE PRESSURE	LINE PRESSURE	STANDING WATER LEVEL	MOTOR TEMP.	ROOM TEMP.	Oil Level	Vibration	ON/OFF
LDPH												
1 8:10	AK		NO	92.30	75	80	520	NR	80	Full		
2 9:05				92.59	0	75	"		11	"		
3 9:50		525 830		92.08	72	84	"		92	"		
4 9:00		615 841		92.95	71	81	"		81	"		
5 9:00		712 7812		93.05	0	76	"		78	"		
6 9:10		819 812		93.20	84	81	"		91	"		
7 10:10		906 295		93.31	80	80	"		94	"		
8 9:10		018 782		93.46	91	82	"		96	"		
9 8:10		114 782		93.61	0	77	"		91	"		
10 9:20		225 052		93.72	76	74	"		11	"		
11 9:10		335 456		93.88	82	81	"		89	"		
12 10:10		445 864		93.90	71	81	"		11	"		
13 9:00		548 854		93.99	10	80	"		41	"		
14 9:10		647 506		94.21	0	76	"		96	"		
15 9:50		759 088		94.42	77	76	"		11	"		
16 9:00		859 546		94.61	78	81	"		79	"		
17 8:10		950 060		94.80	0	75	"		88	"		
18 9:05		1046 04		94.92	0	75	"		91	"		
19 12:10		165 186		95.10	72	78	"		80	"		
20 9:05		276 722		95.31	86	81	"		82	"		
21 9:10		346 870		95.52	81	80	"		91	"		
22 9:00		457 401		95.61	75	80	"		90	"		
23 9:00		557 985		95.72	71	"	"		86	"		
24 9:00		648 834		95.86	0	76	"		72	"		
25 9:10		735 193		95.92	75	"	"		84	"		
26 9:05		829 780		96.09	76	86	"		86	"		
27 9:00		922 345		96.21	77	"	"		91	"		
28 9:10		198 21		96.56	71	82	"		90	"		
29 9:20		119 116		96.48	75	80	"		92	"		
30 10:05		230 303		96.61	0	75	"		85	"		
31 8:05		330 885		96.82	0	75	"		90	"		

MAINTENANCE:

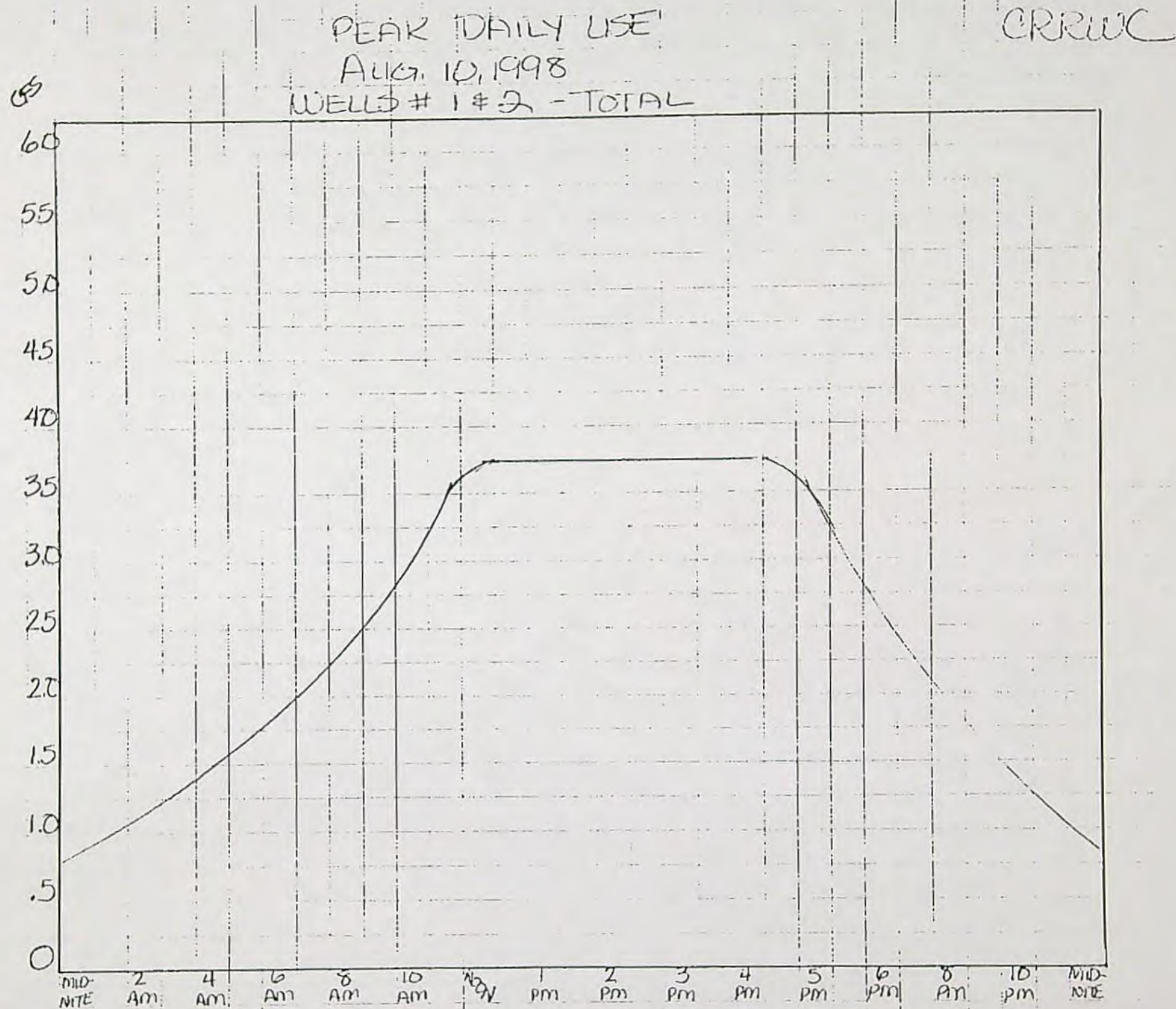
Leak in lub. water

NR40 Chroming, etc.

P:5/5

TO:15039860901

MAR-12-2004 02:57P FROM:



NOTE: Include a copy of the "Important Notice" document along with the original copy of the Final Order being sent to the permit holder.

Mailing List for Extension FO Copies

Application #G-12579
Permit #G-11376

FO Date: July 14, 2004

Original mailed to:

Crooked River Ranch Water Co.
Attn: James Rooks
PO Box 1388
Crooked River Ranch, OR 97760

Copies Mailed

By:
(SUPPORT STAFF)

on: 7/22/04
(DATE)

For Extension FO's - Copies sent to:

1. WRD - Appl. File #G-12579 / Permit #G-11376 ✓
2. WRD - Watermaster District: #11 - Jeremy Giffin, Bend ✓
3. WRD - Municipal Liaison - Bill Fujii, Salem ✓
4. WRD - Permit Amendments - Kelly Starnes, Salem ✓
5. ODFW - Biologist District: #7 - Steve Marx, Bend ✓
6. DEQ - Regional Office: Eastern - Dick Nichols, Bend ✓
7. WRD - Support Staff, Salem...Permit record update ✓

Other interested parties:

8. Allen, Sheridan & McClanahan, LLP
Attn: William G. Sheridan, Jr.
190 SW Harrison Street
Portland, OR 97201 ✓
9. Bruce Estes, CWRE #001
Estes Surveys, LLC
PO Box 17519
Salem, OR 97305-7519 ✓

CASEWORKER: LJJ

S:\groups\wr\extensions\F O\Done\2004 final orders\g12579.wpd

Mailing List for Extension PFO Copies

Application #G-12579

PFO Date: May 25, 2004

Permit #G-11376

Original mailed to:

Applicant: Crooked River Ranch Water Company
Attn: James Rooks
PO Box 1388
Crooked River Ranch, OR 97760

Copies Mailed
By: <u>[Signature]</u> (SUPPORT STAFF)
on: <u>5/28/04</u> (DATE)

For Extension PFO's - Copies sent to:

1. WRD - Appl. File #G-12579/ Permit #G-11376 ✓
2. WRD - Watermaster District: #11 - Jeremy Giffin, Bend ✓
3. WRD - Doug Parrow, Salem ✓
4. WRD - Kelly Starnes - Permit Amendments, Salem ✓
5. DEQ - Eastern Region: Dick Nichols, Bend ✓
6. ODFW - District #7: Steve Marx, Bend ✓

Other interested parties:

7. Allen, Sheridan & McClanahan, LLP
Attn: William G. Sheridan, Jr.
190 SW Harrison Street
Portland, OR 97201
8. Bruce Estes, CWRE #001
Estes Surveys, LLC
PO Box 17519
Salem, OR 97305-7519

CASEWORKER: LJJ

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BEFORE THE WATER RESOURCES DEPARTMENT
OF THE
STATE OF OREGON

In the Matter of Permit Amendment)
T-9663, Jefferson and Deschutes Counties,)
Oregon)

FINAL ORDER

ORS 537.211 establishes the process in which a water right permit holder may submit a request to change the point of appropriation and/or place of use authorized under an existing water right permit.

Applicant

Crooked River Ranch Water Company,
P.O. Box ~~872~~ **2319**
Crooked River Ranch, Oregon 97760.

Findings of Fact

1. Crooked River Ranch Water Company filed an application to amend the point of appropriation of Well 3 under Permit G-11376. The Department assigned the application number T-9663.
2. The permit to be amended is as follows:

Permit: G-11376, in the name of Crooked River Ranch Water Company;
Use: Quasi-municipal;
Priority Date: June 18, 1991;
Quantity: 5.0 cubic feet per second (cfs), being 2.5 cfs from each well;
Source: Wells 2, 3, and 4, in the Crooked River Basin.
**Date Of
Complete
Application of
Water:** October 1, 2008.

NOTICE OF RIGHT TO PETITION FOR RECONSIDERATION OR JUDICIAL REVIEW

This is an order other than a contested case. This order is subject to judicial review under ORS 183.484. Any petition 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 137-004-080 and OAR 690-01-005, you may either petition for judicial review or petition the Director for reconsideration of this order.

Authorized Points of Appropriation:

Township	Range	Meridian	Sec	¼ ¼	Lot	DLC	Location
13	S	12	E	W.M.	24	NW NW	Well 2 – 680 feet South and 780 feet East from the NW Corner of Section 24.
13	S	12	E	W.M.	24	SW SE	Well 3 – 80 feet North and 480 feet East from the S¼ Corner of Section 24.
13	S	12	E	W.M.	16	NE SE	Well 4 – 990 feet South and 680 feet West from the E¼ Corner of Section 16.

Authorized Place of Use:

Township	Range	Meridian	Sec	¼ ¼	Lot	DLC	Acres
13	S	12	E	W.M.	4	NW NW	
13	S	12	E	W.M.	4	SW SW	
13	S	12	E	W.M.	4	SE SW	
13	S	12	E	W.M.	5	NE NE	
13	S	12	E	W.M.	5	SE NE	
13	S	12	E	W.M.	5	SE SW	
13	S	12	E	W.M.	5	NE SE	
13	S	12	E	W.M.	5	NW SE	
13	S	12	E	W.M.	5	SW SE	
13	S	12	E	W.M.	5	SE SE	
13	S	12	E	W.M.	8	NE NE	
13	S	12	E	W.M.	8	NW NE	
13	S	12	E	W.M.	8	SW NE	
13	S	12	E	W.M.	8	SE NE	
13	S	12	E	W.M.	8	NE NW	
13	S	12	E	W.M.	9	NW NW	
13	S	12	E	W.M.	9	SW NW	
13	S	12	E	W.M.	9	SE NW	
13	S	12	E	W.M.	9	NE SW	
13	S	12	E	W.M.	9	NW SW	
13	S	12	E	W.M.	9	SW SW	
13	S	12	E	W.M.	9	SE SW	
13	S	12	E	W.M.	9	NE SE	
13	S	12	E	W.M.	9	NW SE	
13	S	12	E	W.M.	9	SW SE	
13	S	12	E	W.M.	9	SE SE	

Township		Range		Meridian	Sec	¼ ¼		Lot	DLC	Acres
13	S	12	E	W.M.	10	SW	NW			
13	S	12	E	W.M.	10	SE	NW			
13	S	12	E	W.M.	10	NE	SW			
13	S	12	E	W.M.	10	NW	SW			
13	S	12	E	W.M.	10	SW	SW			
13	S	12	E	W.M.	10	SE	SW			
13	S	12	E	W.M.	10	SW	SE			
13	S	12	E	W.M.	10	SE	SE			
13	S	12	E	W.M.	13	SW	SW			
13	S	12	E	W.M.	14	SW	NE			
13	S	12	E	W.M.	14	NW	NW			
13	S	12	E	W.M.	14	SW	NW			
13	S	12	E	W.M.	14	SE	NW			
13	S	12	E	W.M.	14	NE	SW			
13	S	12	E	W.M.	14	NW	SW			
13	S	12	E	W.M.	14	SW	SW			
13	S	12	E	W.M.	14	SE	SW			
13	S	12	E	W.M.	14	NE	SE			
13	S	12	E	W.M.	14	NW	SE			
13	S	12	E	W.M.	14	SW	SE			
13	S	12	E	W.M.	14	SE	SE			
13	S	12	E	W.M.	15	NE	NE			
13	S	12	E	W.M.	15	NW	NE			
13	S	12	E	W.M.	15	SW	NE			
13	S	12	E	W.M.	15	SE	NE			
13	S	12	E	W.M.	15	NE	NW			
13	S	12	E	W.M.	15	NW	NW			
13	S	12	E	W.M.	15	SW	NW			
13	S	12	E	W.M.	15	SE	NW			
13	S	12	E	W.M.	15	NE	SW			
13	S	12	E	W.M.	15	NW	SW			
13	S	12	E	W.M.	15	SW	SW			
13	S	12	E	W.M.	15	SE	SW			
13	S	12	E	W.M.	15	NE	SE			
13	S	12	E	W.M.	15	NW	SE			
13	S	12	E	W.M.	15	SW	SE			
13	S	12	E	W.M.	15	SE	SE			
13	S	12	E	W.M.	16	NE	NE			

Township		Range		Meridian	Sec	¼ ¼		Lot	DLC	Acres
13	S	12	E	W.M.	16	NW	NE			
13	S	12	E	W.M.	16	SW	NE			
13	S	12	E	W.M.	16	SE	NE			
13	S	12	E	W.M.	16	NE	NW			
13	S	12	E	W.M.	16	NW	NW			
13	S	12	E	W.M.	16	SW	NW			
13	S	12	E	W.M.	16	SE	NW			
13	S	12	E	W.M.	16	NE	SW			
13	S	12	E	W.M.	16	NW	SW			
13	S	12	E	W.M.	16	SW	SW			
13	S	12	E	W.M.	16	SE	SW			
13	S	12	E	W.M.	16	NE	SE			
13	S	12	E	W.M.	16	NW	SE			
13	S	12	E	W.M.	16	SW	SE			
13	S	12	E	W.M.	16	SE	SE			
13	S	12	E	W.M.	17	NE	NE			
13	S	12	E	W.M.	17	SE	NE			
13	S	12	E	W.M.	17	NE	SE			
13	S	12	E	W.M.	17	SE	SE			
13	S	12	E	W.M.	21	NE	NE			
13	S	12	E	W.M.	21	NW	NE			
13	S	12	E	W.M.	21	SW	NE			
13	S	12	E	W.M.	21	SE	NE			
13	S	12	E	W.M.	21	NE	NW			
13	S	12	E	W.M.	21	NW	NW			
13	S	12	E	W.M.	21	SW	NW			
13	S	12	E	W.M.	21	SE	NW			
13	S	12	E	W.M.	22	NE	NE			
13	S	12	E	W.M.	22	NW	NE			
13	S	12	E	W.M.	22	SW	NE			
13	S	12	E	W.M.	22	SE	NE			
13	S	12	E	W.M.	22	NE	NW			
13	S	12	E	W.M.	22	NW	NW			
13	S	12	E	W.M.	22	SW	NW			
13	S	12	E	W.M.	22	SE	NW			
13	S	12	E	W.M.	22	NW	SW			
13	S	12	E	W.M.	22	NE	SE			
13	S	12	E	W.M.	22	NW	SE			

Township	Range	Meridian	Sec	¼ ¼	Lot	DLC	Acres
13	S	12	E	W.M.	22	SE SE	
13	S	12	E	W.M.	23	NE NE	
13	S	12	E	W.M.	23	NW NE	
13	S	12	E	W.M.	23	SW NE	
13	S	12	E	W.M.	23	SE NE	
13	S	12	E	W.M.	23	NE NW	
13	S	12	E	W.M.	23	SE NW	
13	S	12	E	W.M.	23	NE SW	
13	S	12	E	W.M.	23	SE SW	
13	S	12	E	W.M.	23	NE SE	
13	S	12	E	W.M.	23	NW SE	
13	S	12	E	W.M.	23	SW SE	
13	S	12	E	W.M.	23	SE SE	
13	S	12	E	W.M.	24	NE NW	
13	S	12	E	W.M.	24	NW NW	
13	S	12	E	W.M.	24	SW NW	
13	S	12	E	W.M.	24	SE NW	
13	S	12	E	W.M.	24	NE SW	
13	S	12	E	W.M.	24	NW SW	
13	S	12	E	W.M.	24	SW SW	
13	S	12	E	W.M.	24	SE SW	
13	S	12	E	W.M.	24	NE SE	
13	S	12	E	W.M.	24	NW SE	
13	S	12	E	W.M.	24	SW SE	
13	S	12	E	W.M.	24	SE SE	
13	S	12	E	W.M.	25	NE NE	
13	S	12	E	W.M.	25	NW NE	
13	S	12	E	W.M.	25	SW NE	
13	S	12	E	W.M.	25	SE NE	
13	S	12	E	W.M.	25	NE NW	
13	S	12	E	W.M.	25	NW NW	
13	S	12	E	W.M.	25	SW NW	
13	S	12	E	W.M.	25	SE NW	
13	S	12	E	W.M.	25	NE SW	
13	S	12	E	W.M.	25	NW SW	
13	S	12	E	W.M.	25	SW SW	
13	S	12	E	W.M.	25	SE SW	
13	S	12	E	W.M.	25	NE SE	

Township		Range		Meridian	Sec	¼ ¼		Lot	DLC	Acres
13	S	12	E	W.M.	25	NW	SE			
13	S	12	E	W.M.	25	SW	SE			
13	S	12	E	W.M.	25	SE	SE			
13	S	12	E	W.M.	26	NE	NE			
13	S	12	E	W.M.	26	NW	NE			
13	S	12	E	W.M.	26	SW	NE			
13	S	12	E	W.M.	26	SE	NE			
13	S	12	E	W.M.	26	NE	NW			
13	S	12	E	W.M.	26	NW	NW			
13	S	12	E	W.M.	26	SW	NW			
13	S	12	E	W.M.	26	SE	NW			
13	S	12	E	W.M.	26	NE	SW			
13	S	12	E	W.M.	26	NW	SW			
13	S	12	E	W.M.	26	SW	SW			
13	S	12	E	W.M.	26	SE	SW			
13	S	12	E	W.M.	26	NE	SE			
13	S	12	E	W.M.	26	NW	SE			
13	S	12	E	W.M.	26	SW	SE			
13	S	12	E	W.M.	26	SE	SE			
13	S	12	E	W.M.	27	NE	NE			
13	S	12	E	W.M.	27	NW	NE			
13	S	12	E	W.M.	27	SW	NE			
13	S	12	E	W.M.	27	SE	NE			
13	S	12	E	W.M.	27	NE	NW			
13	S	12	E	W.M.	27	NW	NW			
13	S	12	E	W.M.	27	SE	NW			
13	S	12	E	W.M.	27	NE	SW			
13	S	12	E	W.M.	27	SW	SW			
13	S	12	E	W.M.	27	SE	SW			
13	S	12	E	W.M.	27	NE	SE			
13	S	12	E	W.M.	27	NW	SE			
13	S	12	E	W.M.	27	SW	SE			
13	S	12	E	W.M.	27	SE	SE			
13	S	12	E	W.M.	34	NE	NE			
13	S	12	E	W.M.	34	NW	NE			
13	S	12	E	W.M.	34	SW	NE			
13	S	12	E	W.M.	34	NE	NW			
13	S	12	E	W.M.	34	NW	NW			

Township		Range		Meridian	Sec	¼ ¼		Lot	DLC	Acres
13	S	12	E	W.M.	34	SW	NW			
13	S	12	E	W.M.	34	SE	NW			
13	S	12	E	W.M.	34	NE	SW			
13	S	12	E	W.M.	34	SE	SW			
13	S	12	E	W.M.	34	NE	SE			
13	S	12	E	W.M.	34	NW	SE			
13	S	12	E	W.M.	34	SW	SE			
13	S	12	E	W.M.	34	SE	SE			
13	S	12	E	W.M.	35	NE	NE			
13	S	12	E	W.M.	35	NW	NE			
13	S	12	E	W.M.	35	SW	NE			
13	S	12	E	W.M.	35	SE	NE			
13	S	12	E	W.M.	35	NE	NW			
13	S	12	E	W.M.	35	NW	NW			
13	S	12	E	W.M.	35	SW	NW			
13	S	12	E	W.M.	35	SE	NW			
13	S	12	E	W.M.	35	NE	SW			
13	S	12	E	W.M.	35	NW	SW			
13	S	12	E	W.M.	35	SW	SW			
13	S	12	E	W.M.	35	SE	SW			
13	S	12	E	W.M.	35	NE	SE			
13	S	12	E	W.M.	35	NW	SE			
13	S	12	E	W.M.	35	SW	SE			
13	S	12	E	W.M.	35	SE	SE			
13	S	12	E	W.M.	36	NE	NE			
13	S	12	E	W.M.	36	NW	NE			
13	S	12	E	W.M.	36	SW	NE			
13	S	12	E	W.M.	36	NE	NW			
13	S	12	E	W.M.	36	NW	NW			
13	S	12	E	W.M.	36	SW	NW			
13	S	12	E	W.M.	36	SE	NW			
13	S	12	E	W.M.	36	NE	SW			
13	S	12	E	W.M.	36	NW	SW			
13	S	12	E	W.M.	36	SW	SW			
13	S	12	E	W.M.	36	SE	SW			
13	S	12	E	W.M.	36	NE	SE			
13	S	12	E	W.M.	36	NW	SE			
13	S	12	E	W.M.	36	SW	SE			

Township		Range		Meridian	Sec	¼ ¼		Lot	DLC	Acres
13	S	12	E	W.M.	36	SE	SE			
13	S	13	E	W.M.	31	SW	SW			
13	S	13	E	W.M.	31	SE	SW			
13	S	13	E	W.M.	31	SW	SE			
14	S	12	E	W.M.	1	NE	NE			
14	S	12	E	W.M.	1	NW	NE			
14	S	12	E	W.M.	1	NE	NE			
14	S	12	E	W.M.	1	NW	NW			
14	S	12	E	W.M.	1	SW	NW			
14	S	12	E	W.M.	2	NE	NE			
14	S	12	E	W.M.	2	NW	NE			
14	S	12	E	W.M.	2	SE	NE			
14	S	12	E	W.M.	2	NW	SW			
14	S	12	E	W.M.	2	SW	SW			
14	S	12	E	W.M.	2	SE	SW			
14	S	12	E	W.M.	3	NE	NE			
14	S	12	E	W.M.	3	NW	NE			
14	S	12	E	W.M.	3	SW	NE			
14	S	12	E	W.M.	3	SE	NE			
14	S	12	E	W.M.	3	NE	NW			
14	S	12	E	W.M.	3	NW	NW			
14	S	12	E	W.M.	3	SW	NW			
14	S	12	E	W.M.	3	SE	NW			
14	S	12	E	W.M.	3	NE	SW			
14	S	12	E	W.M.	3	NW	SW			
14	S	12	E	W.M.	3	SW	SW			
14	S	12	E	W.M.	3	SE	SW			
14	S	12	E	W.M.	3	NE	SE			
14	S	12	E	W.M.	3	NW	SE			
14	S	12	E	W.M.	3	SW	SE			
14	S	12	E	W.M.	3	SE	SE			
14	S	12	E	W.M.	11	NW	NW			
14	S	13	E	W.M.	6	NW	NE			
14	S	13	E	W.M.	6	NE	NW			
14	S	13	E	W.M.	6	NW	NW			

3. Application T-9663 proposes to change the point of appropriation of Well 3 under the permit to:

Township		Range		Meridian	Sec	¼ ¼		Lot	DLC	Location
13	S	12	E	W.M.	16	NW	SE			Crater Loop Road Well 3 – 2550 feet North and 2100 feet West from the SE Corner of Section 16.

4. Notice of the application for permit amendment was published pursuant to ORS 540.520(5). No comments were filed in response to the notice.
5. The change would not result in injury to other water rights.
6. The change does not enlarge the permit.
7. The change does not alter any other terms of the permit.
8. Approval of this permit amendment does not grant the permittee permission to trespass on lands not owned by the permittee.

Conclusion of Law

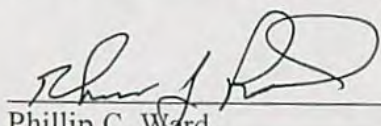
The change in point of appropriation of Well 3 proposed by Permit Amendment Application T-9663 is consistent with the requirements of ORS 537.211.

Now, therefore, it is ORDERED:

The change and subsequent use of water shall be subject to the following conditions:

1. The quantity of water diverted at the new point of appropriation (well) shall not exceed the maximum rate and duty allowed for Well 3 under Permit G-11376.
2. Prior to water use from the proposed point of appropriation, the permittee shall install a meter or other suitable measuring device as approved by the Director. The permittee shall maintain the meter or measuring device in good working order. The permittee shall keep a complete record of ground water withdrawn.
3. Water shall be acquired from the same aquifer as the original point of appropriation.
4. All other terms and conditions of Permit G11376 remain the same.
5. Permit G-11376, in the name of Crooked River Ranch Water Company, is amended as described herein.

Dated at Salem, Oregon this 20th day of September 2004.


FDL Phillip C. Ward,
Acting Director

**FAX COVER SHEET****RECEIVED**

MAY 03 2004

WATER RESOURCES DEPT
SALEM, OREGONDATE 5-3-04 PAGES W/ COVER 2TO: LISA JULL, LORD

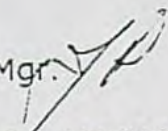
PHONE: _____

FAX PHONE: 503-936-0901FROM: JIM ROCKS, CRRWCMESSAGE: see attached



Memo

RECEIVED
MAY 03 2004
WATER RESOURCES DEPT
SALEM, OREGON

To: Lisa Juul, WRD
From: Jim Rooks, General Mgr. 
Date: May 3, 2004
Subject: PROPOSED EXTENSION AMENDMENT

Crooked River Ranch Water Company would like to amend the proposed extension date from 2009 to 2008. This is for permit #G-11376. Thanks for your assistance!

From: "Barbara Oakley" <Barbara@bendnet.com>
To: "Lisa J Juul" <Lisa.J.JUUL@wrд.state.or.us>
Subject: WATER PERMIT EXTENSION
Date: Mon, 3 May 2004 09:23:38 -0700
X-Security: MIME headers sanitized on kettle.wrд.state.or.us
See <http://www.impsec.org/email-tools/sanitizer-intro.html>
for details. \$Revision: 1.139 \$Date: 2003-09-07 10:14:23-07
X-Mailer: Microsoft Outlook Express 6.00.2800.1409

Good Morning, Lisa,

I have a question about the 30 day "publishing" of our extension request. I see that it has been published, but if someone were to file a protest, how would we know that? Would it be posted on your website? I haven't heard any complaints, but just curious as to whether there's another website I should be monitoring. Thanks for your help!

Barb Oakley, Administrative Assistant
Crooked River Ranch Water Company
541-923-1041

30 days end → May 20, 2004
comment period. Thursday

T-6828

T-6604

T-9663

S-12579

S-9258

To: all-owrd@wrd.state.or.us
 From: Cindy Smith <Cindy.S.SMITH@wrd.state.or.us>
 Subject: Fwd: CHANGE OF EMAIL ADDRESS

From: "Barb Oakley" <boakley@bendnet.com>
 To: <Cindy.S.Smith@wrd.state.or.us>
 Subject: CHANGE OF EMAIL ADDRESS
 Date: Sun, 20 Feb 2005 12:06:24 -0800
 X-Security: MIME headers sanitized on kettle.wrd.state.or.us
 See <http://www.impsec.org/email-tools/sanitizer-intro.html>
 for details. \$Revision: 1.139 \$Date: 2003-09-07 10:14:23-07
 X-Mailer: Microsoft Outlook Express 6.00.2900.2527
 X-Spam-Checker-Version: SpamAssassin 2.63 (2004-01-11) on
 kettle.wrd.state.or.us
 X-Spam-Status: No, hits=-3.7 required=5.0 tests=BAYES_00,FORGED_OUTLOOK_TAGS,
 HTML_MESSAGE,RCVD_IN_SORBS autolearn=no version=2.63
 X-Spam-Level:

Please note that my email has changed from <<mailto:Barbara@bendnet.com>> Barbara@bendnet.com to
 <<mailto:Barb@crrwc.com>> Barb@crrwc.com. If you have any questions please feel free to contact me at 541-923-
 1041. Thanks!

Barb Oakley, Admin. Assistant
 Crooked River Ranch Water Company
 <<mailto:Barb@crrwc.com>> Barb@crrwc.com

Cindy Smith
 Executive Assistant
 OR Water Resources Department
 725 Summer Street NE, Suite A
 Salem, OR 97301
 503-986-0876 Phone
 503-986-0903 Fax
 Cindy.S.Smith@wrd.state.or.us

Water Rights Information Query Results

Name	Application	Permit	Certificate	Decree	Claim	Transfer	Status
CROOKED RIVER RANCH PO BOX 1477 CROOKED RIVER RANCH OR 97760 (details)		G2280				T6828 (Confirming)	NC
CROOKED RIVER RANCH PO BOX 1477 CROOKED RIVER RANCH OR 97760 (details)		G2280	<u>75144</u>			T6604 T6828	NC
CROOKED RIVER RANCH WATER CO. PO BOX 879 CROOKED RIVER RANCH OR 97760 (details)	G12579	G11376				T9663	NC
CROOKED RIVER RANCH CO. TERREBONNE OR 97760 (details)	S9258	S7149	<u>64216</u>				NC

Page:1

[Download Place of Use Data](#), [Point of Diversion Data](#), or [Owner Data](#)

[Definition of codes and abbreviations](#)

[Return to the Water Right Information search screen](#)

STATE OF OREGON
COUNTY OF JEFFERSON AND DESCHUTES
PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

CROOKED RIVER RANCH WATER COMPANY
P.O. BOX 879
CROOKED RIVER RANCH, OREGON 97760

503-548-8939

to use the waters of WELLS 2 & 3 in the CROOKED RIVER BASIN for QUASI-MUNICIPAL USE.

This permit is issued approving Application G-12579. The date of priority is JUNE 18, 1991. The use is limited to not more than 5.0 CUBIC FEET PER SECOND (CFS), BEING 2.5 CFS FROM EACH WELL, or its equivalent in case of rotation, measured at the well.

The wells are located as follows:

NW 1/4 NW 1/4, SW 1/4 SE 1/4, SECTION 24, T 13 S, R 12 E, W.M.; WELL 2 - 680 FEET SOUTH AND 780 FEET EAST FROM NW CORNER, SECTION 24, WELL 3 - 80 FEET NORTH AND 480 FEET EAST FROM S 1/4 CORNER, SECTION 24.

The use shall conform to such reasonable rotation system as may be ordered by the proper state officer.

A description of the proposed place of use under this permit is as follows:

NW 1/4 NW 1/4
S 1/2 SW 1/4
SECTION 4
E 1/2 NE 1/4
SE 1/4 SW 1/4
SE 1/4
SECTION 5
NE 1/4
NE 1/4 NW 1/4
SECTION 8
NW 1/4 NW 1/4
S 1/2 NW 1/4
S 1/2
SECTION 9
S 1/2 NW 1/4
SW 1/4
S 1/2 SE 1/4
SECTION 10
SW 1/4 SW 1/4
SECTION 13
SW 1/4 NE 1/4
NW 1/4 NW 1/4
S 1/2 NW 1/4
S 1/2
SECTION 14
ALL
SECTION 15
ALL
SECTION 16
E 1/2 NE 1/4
E 1/2 SE 1/4
SECTION 17
N 1/2
SECTION 21

N 1/2
 NW 1/4 SW 1/4
 N 1/2 SE 1/4
 SE 1/4 SE 1/4
 SECTION 22
 NE 1/4
 E 1/2 NW 1/4
 E 1/2 SW 1/4
 SE 1/4
 SECTION 23
 NW 1/4
 S 1/2
 SECTION 24
 ALL
 SECTION 25
 ALL
 SECTION 26
 E 1/2
 N 1/2 NW 1/4
 SE 1/4 NW 1/4
 NE 1/4 SW 1/4
 S 1/2 SW 1/4
 SECTION 27
 N 1/2 NE 1/4
 SW 1/4 NE 1/4
 NW 1/4
 E 1/2 SW 1/4
 SE 1/4
 SECTION 34
 ALL
 SECTION 35
 N 1/2 NE 1/4
 SW 1/4 NE 1/4
 W 1/2
 SE 1/4
 SECTION 36

TOWNSHIP 13 SOUTH, RANGE 12 EAST, W.M.

S 1/2 SW 1/4
 SW 1/4 SE 1/4
 SECTION 31

TOWNSHIP 13 SOUTH, RANGE 13 EAST, W.M.

N 1/2 NE 1/4
 N 1/2 NW 1/4
 SW 1/4 NW 1/4
 SECTION 1
 N 1/2 NE 1/4
 SE 1/4 NE 1/4
 W 1/2 SW 1/4
 SE 1/4 SW 1/4
 SECTION 2
 ALL
 SECTION 3
 NW 1/4 NW 1/4
 SECTION 11

TOWNSHIP 14 SOUTH, RANGE 12 EAST, W.M.

NW 1/4 NE 1/4
 N 1/2 NW 1/4
 SECTION 6

TOWNSHIP 14 SOUTH, RANGE 13 EAST, W.M.

Within one year from the date the Water Resources Commission adopts rules describing the schedules, standards and procedures for water conservation management plans by water suppliers, Crooked River Ranch Water Company shall submit a plan which is consistent with said rules.

Within one year of permit issuance, Crooked River Ranch Water Company shall prepare a plan/timetable for the Water Resources Commission which shall indicate the steps which the Water Company intends to pursue to obtain a long-term water supply.

The wells shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works shall be equipped with a usable access port, and may also include an air line and pressure gauge adequate to determine water level elevation in the wells at all times. When required by the department, the permittee shall install and maintain a weir, meter, or other suitable measuring device, and shall keep a complete record of the amount of ground water withdrawn.

Prior to receiving a certificate of water right, the permit holder shall submit the results of a pump test meeting the department's standards, to the Water Resources Department. The Director may require water level or pump test results every ten years thereafter.

Actual construction work shall begin on or before November 18, 1992, and shall be completed on or before October 1, 1993. Complete application of the water shall be made on or before October 1, 1994.

B+C to 10-1-98
Failure to comply with any of the provisions of this permit may result in action including, but not limited to, restrictions on the use, civil penalties, or cancellation of the permit.

This permit is for beneficial use of water without waste. The water user is advised that new regulations may require use of best practical technologies or conservation practices to achieve this end.

By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

The use of water shall be limited when it interferes with any prior surface or ground water rights.

Issued this date, NOVEMBER 18, 1991.

/s/ WILLIAM H. YOUNG

Water Resources Department
William H. Young
Director

AMENDED by special order

v. 51 pg. 1235

Extension "Final Order" Checklist

Application # G-12579 / Permit # G-11376

Permit Holder's Name Crooked River Ranch Water Co.
Attn: James Rocks, PO Box 1388, Crooked River Ranch, OR 97760

This Final Order is processed under: ☒ Div. 315 Rules -or- ☐ Div. 320 Rules

✓ 1. Date Extension Request submitted: 4-3-2000

✓ 2. Date permit was issued: 11-18-91

✓ 3. Original "B" Date from permit: 10-1-93
(Date for completion of construction)

✓ 4. Original "C" Date from permit: 10-1-94
(Date for complete application of water)

✓ 5. Extension PFO Date: 5-25-2004

✓ 6. WRD recommends extending "B" Date to: 10-1-2008
and extending the "C" Date to: 10-1-2008

✓ 7. Any conditions from PFO: No

✓ 8. Protest Deadline Date from PFO: 7-9-2004

✓ 9. Any written Protests or written Comments received within the Protest period? Yes / No

CC: William G. Sheridan, Jr.

Bruce Estes

Reviewer's Name: [Signature]

Date: 7-13-04

S:\groups\wr\extensions\forms and templates\ext_final_order_checklist.wpd

See
Ext PFO
mailing
list for
Addresses

From: "Tim Wallin" <Timothy.WALLIN@wrd.state.or.us>
To: "Sarah Henderson" <Sarah.A.HENDERSON@wrd.state.or.us>
Cc: "Steve Brown" <Stephen.C.BROWN@wrd.state.or.us>
Subject: FW: WATER TRANSFER
Date: Thu, 11 Mar 2004 09:26:00 -0800
X-Security: MIME headers sanitized on kettle.wrd.state.or.us
See <http://www.impsec.org/email-tools/sanitizer-intro.html>
for details. \$Revision: 1.139 \$Date: 2003-09-07 10:14:23-07
X-Mailer: Microsoft Outlook IMO, Build 9.0.6604 (9.0.2911.0)
Importance: Normal

-->

Sarah – would you respond to Barbara at your convenience? Regular mail is fine. You may want to mention that she should expect to hear from Steve Brown soon regarding the status of proof (or more correctly the lack thereof) on their previous transfer.

Tim Wallin

Field Services - Transfer

Water Resources Department

725 Summer St NE, Suite A

Salem OR 97301-1271

voice: 503.986.0891 fax: 503.986.0903 <http://www.wrd.state.or.us>

-----Original Message-----

From: Barbara Oakley [mailto:Barbara@bendnet.com]
Sent: Thursday, March 11, 2004 9:17 AM
To: Tim Wallin
Subject: WATER TRANSFER

Good Morning, Tim,

Thanks for meeting with us Tuesday. We learned a lot and feel it was a very productive meeting. I am preparing the letter now to request an expedite of our paper work. Who do I address this to? I will email the letter and follow it up with a hard copy to be put in the mail today, or I can fax it. Which would you prefer? What is the fax number? Also, do you have a file number for the paperwork we just submitted? Thanks!!

Barb Oakley, Administrative Assistant
Crooked River Ranch Water Company
541-923-1041

G-12579



Deschutes
Box 123 10/2 Ada

Jerry Sauter, CWR
Water Resources Department
158 12th Street NE
Salem, OR 97301-4172

Re: Application #G-12579, Permit #G-11376

Dear Mr. Sauter:

Crooked River Ranch Water Company has perfected their water rights and submitted a "Claim of Beneficial Use Site Report" to WRD earlier this week. According to Bruce Estes, CWRE, he was able to establish that beneficial use was met prior to 10/1/98. Since we have applied for our certificate, we are writing this letter to withdraw our application for the extension of time on our water permit.

If you have any questions, please contact me at 541-923-1041.

Sincerely,

A handwritten signature in cursive script, reading 'James Rooks'.

James Rooks, General Manager
Crooked River Ranch Water Company

RECEIVED

AUG 15 2003

WATER RESOURCES DEPT.
SALEM, OREGON



G-12579

August 8, 2003

Jerry Sauter, CWRS
Water Resources Department
158 12th Street NE
Salem, OR 97301-4172

Re: Application #G-12579, Permit #G-11376

Dear Mr. Sauter:

Crooked River Ranch Water Company has perfected their water rights and submitted a "Claim of Beneficial Use Site Report" to WRD earlier this week. According to Bruce Estes, CWRE, he was able to establish that beneficial use was met prior to 10/1/98. Since we have applied for our certificate, we are writing this letter to withdraw our application for the extension of time on our water permit.

If you have any questions, please contact me at 541-923-1041.

Sincerely,

A handwritten signature in black ink, appearing to read "James Rooks".

James Rooks, General Manager
Crooked River Ranch Water Company

RECEIVED

AUG 15 2003

WATER RESOURCES DEPT.
SALEM, OREGON



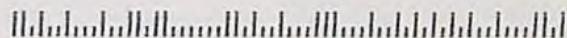
Crooked River Ranch Water Company

P.O. Box 1388
Crooked River Ranch, OR 97760



Jerry Sauter, CWRS
Water Resources Department
158 12th Street NE
Salem, OR 97301-4172

973014172 0009



612579

STATE OF OREGON

COUNTY OF CROOK

ORDER APPROVING AN ADDITIONAL POINT OF APPROPRIATION

Pursuant to ORS 537.211, after notice was given and no objections were filed, and finding that no injury to existing water rights would result, this order approves, as conditioned or limited herein, PERMIT AMENDMENT T-7828 submitted by

CROOKED RIVER RANCH WATER COMPANY
P.O. BOX 1388
CROOKED RIVER RANCH, OREGON 97760.

The permit to be modified is Permit G-11376 with a date of priority of JUNE 18, 1991. The permit allows the use of WELLS 2 AND 3, in the CROOKED RIVER BASIN, for QUASI-MUNICIPAL USE. The amount of water to which this permit is entitled is limited to an amount actually beneficially used and shall not exceed 5.0 CUBIC FOOT PER SECOND (CFS), BEING 2.5 CFS FROM EACH WELL, if available at the original wells; NW $\frac{1}{4}$ NW $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$, SECTION 24, T 13 S, R 12 E, W.M.; WELL 2 - 680 FEET SOUTH AND 780 FEET EAST FROM THE NW CORNER OF SECTION 24, WELL 3 - 80 FEET NORTH AND 480 FEET EAST FROM THE S $\frac{1}{4}$ CORNER OF SECTION 24, or its equivalent in case of rotation, measured at the well.

The use shall conform to any reasonable rotation system ordered by the proper state officer.

The authorized place of use is as follows:

NW $\frac{1}{4}$ NW $\frac{1}{4}$	N $\frac{1}{2}$
S $\frac{1}{2}$ SW $\frac{1}{4}$	NW $\frac{1}{4}$ SW $\frac{1}{4}$
SECTION 4	N $\frac{1}{2}$ SE $\frac{1}{4}$
	SE $\frac{1}{4}$ SE $\frac{1}{4}$
E $\frac{1}{2}$ NE $\frac{1}{4}$	SECTION 22
SE $\frac{1}{4}$ SW $\frac{1}{4}$	
SE $\frac{1}{4}$	NE $\frac{1}{4}$
SECTION 5	E $\frac{1}{2}$ NW $\frac{1}{4}$
	E $\frac{1}{2}$ SW $\frac{1}{4}$
NE $\frac{1}{4}$	SE $\frac{1}{4}$
NE $\frac{1}{4}$ NW $\frac{1}{4}$	SECTION 23
SECTION 8	
NW $\frac{1}{4}$ NW $\frac{1}{4}$	NW $\frac{1}{4}$
S $\frac{1}{2}$ NW $\frac{1}{4}$	S $\frac{1}{2}$
S $\frac{1}{2}$	SECTION 24
SECTION 9	
	ALL
	SECTION 25

S $\frac{1}{2}$ NW $\frac{1}{4}$
SW $\frac{1}{4}$
S $\frac{1}{2}$ SE $\frac{1}{4}$
SECTION 10

SW $\frac{1}{4}$ SW $\frac{1}{4}$
SECTION 13

SW $\frac{1}{4}$ NE $\frac{1}{4}$
NW $\frac{1}{4}$ NW $\frac{1}{4}$
S $\frac{1}{2}$ NW $\frac{1}{4}$
S $\frac{1}{2}$
SECTION 14

ALL
SECTION 15

ALL
SECTION 16

E $\frac{1}{2}$ NE $\frac{1}{4}$
E $\frac{1}{2}$ SE $\frac{1}{4}$
SECTION 17

N $\frac{1}{2}$
SECTION 21

TOWNSHIP 13 SOUTH, RANGE 12 EAST, W.M.

S $\frac{1}{2}$ SW $\frac{1}{4}$
SW $\frac{1}{4}$ SE $\frac{1}{4}$
SECTION 31

TOWNSHIP 13 SOUTH, RANGE 13 EAST, W.M.

N $\frac{1}{2}$ NE $\frac{1}{4}$
N $\frac{1}{2}$ NW $\frac{1}{4}$
SW $\frac{1}{4}$ NW $\frac{1}{4}$
SECTION 1

N $\frac{1}{2}$ NE $\frac{1}{4}$
SE $\frac{1}{4}$ NE $\frac{1}{4}$
W $\frac{1}{2}$ SW $\frac{1}{4}$
SE $\frac{1}{4}$ SW $\frac{1}{4}$
SECTION 2

TOWNSHIP 14 SOUTH, RANGE 12 EAST, W.M.

ALL
SECTION 26

E $\frac{1}{2}$
N $\frac{1}{4}$ NW $\frac{1}{4}$
SE $\frac{1}{4}$ NW $\frac{1}{4}$
NE $\frac{1}{4}$ SW $\frac{1}{4}$
S $\frac{1}{2}$ SW $\frac{1}{4}$
SECTION 27

N $\frac{1}{2}$ NE $\frac{1}{4}$
SW $\frac{1}{4}$ NE $\frac{1}{4}$
NW $\frac{1}{4}$
E $\frac{1}{2}$ SW $\frac{1}{4}$
SE $\frac{1}{4}$
SECTION 34

ALL
SECTION 35

N $\frac{1}{2}$ NE $\frac{1}{4}$
SW $\frac{1}{4}$ NE $\frac{1}{4}$
W $\frac{1}{2}$
SE $\frac{1}{4}$
SECTION 36

ALL
SECTION 3

NW $\frac{1}{4}$ NW $\frac{1}{4}$
SECTION 11

NW¼ NE¼
N½ NW¼
SECTION 6

TOWNSHIP 14 SOUTH, RANGE 13 EAST, W.M.

This use may be regulated if analysis of data available discloses that the appropriation will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway in quantities necessary for recreation, fish and wildlife in effect as of the priority date of this right or as those quantities may be reduced.

The right to use water for the above purpose is restricted to beneficial use on the lands or place of use described.

The applicant proposes an additional point of appropriation to:

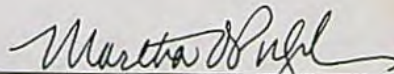
WELL 4 - NE¼ SE¼, SECTION 16, T 13 S, R 12 E, W.M.;
990 FEET SOUTH AND 680 FEET WEST FROM THE E¼ CORNER OF SECTION 16.

THIS CHANGE TO AN EXISTING WATER PERMIT MAY BE MADE PROVIDED THE FOLLOWING CONDITIONS ARE MET BY THE WATER USER:

1. The quantity of water diverted at the new point of appropriation (well), together with the quantity diverted at the old points of appropriation, shall not exceed the quantity of water lawfully available from the original points of appropriation.
2. Water shall be acquired from the same aquifer as the original points of appropriation.
3. All other terms and conditions of the permit remain the same.

Permit G-11376, in the name of CROOKED RIVER RANCH WATER COMPANY is amended as described herein.

WITNESS the signature of the Water Resources Director,
OCT 30 1997
affixed_____.



Martha O. Pagel, Director

Barbara Oakley, 04:27 PM 5/19/03 -0700, Re: PERMIT EXTENSION

Page 1 of 1

File # G-12579

From: "Barbara Oakley" <Barbara@eagleslair.net>

To: "Lisa J Juul" <Lisa.J.JUUL@wrд.state.or.us>

Subject: Re: PERMIT EXTENSION

Date: Mon, 19 May 2003 16:27:20 -0700

X-Security: MIME headers sanitized on funnel

See <http://www.impsec.org/email-tools/sanitizer-intro.html>

for details. \$Revision: 1.133 \$Date: 2002-01-05 17:09:21-08

X-Mailer: Microsoft Outlook Express 6.00.2800.1106

We are hoping that we can do this in another 90 days. So lets go with that for now. Thanks!

Barb

----- Original Message -----

From: Lisa J Juul

To: Barbara Oakley

Sent: Monday, May 19, 2003 4:12 PM

Subject: Re: PERMIT EXTENSION

Hi Barbara,

No problem. How much longer do you think you might need? 90 days? Longer?

-Lisa

At 03:52 PM 5/19/03 -0700, you wrote:

Is it possible to get another extension on our water permit? We have an extension to June 18, but trying to get the engineers and water rights experts going has been a delay to us. This is for permit G-11376. Thanks!

Barb Oakley
Crooked River Ranch Water Company
541-548-2353

Lisa J. Juul
Water Rights Specialist
Water Rights & Adjudications Division
Oregon Water Resources Department
158 - 12th Street NE
Salem, Oregon 97301-4172

Phone # (503) 378-8455, extension 272
FAX # (503) 378-6203
Homepage/Website Address - <http://www.wrд.state.or.us>



Oregon

Theodore R. Kulongoski, Governor

Water Resources Department

Commerce Building
158 12th Street NE
Salem, OR 97301-4172
503-378-3739
FAX 503-378-8130

May 7, 2003

Crooked River Ranch Water Company
P.O. Box 1388
Crooked River Ranch, OR 97760

Dear Crooked River Ranch Water Company:

My letter of March 27, 2003, provided you and the Crooked River Ranch Club and Maintenance Association a brief summary of the evolution of the irrigation water right, Permit G-2280, associated with Well #2. In addition to the diversion of up to 0.06 cfs for irrigation of 4.4 acres under remaining right Certificate 75144(Permit G-2280), Well #2 also is an authorized point of appropriation under that portion of Permit G-11376 held by Crooked River Ranch Water Company (CRRWC), for quasi-municipal use.

In 1997, CRRWC filed a permit amendment for G-11376 (T-7828) requesting to add Well #4, as an additional point of appropriation, to Wells #2 and #3. An order of the Water Resources Director entered October 30, 1997, and recorded in Special Order Volume 51, Page 1235, approved the additional point of appropriation. The order limited use under Permit G-11376 to a cumulative total of 5.0 cfs with the quantity not to exceed 2.5 cfs from any single well.

CRRWC has requested several extensions of time to complete the appropriation of water and application of water to beneficial use under the terms of amended Permit G-11376. On December 18, 2002, the Department requested CRRWC complete and return a new application for extension of time for quasi-municipal and municipal water use permits consistent with the Department's OAR Chapter 690, Division 315 administrative rules on permit extensions. CRRWC has not completed and returned the new application form.

Sincerely,

Tom Paul
Administrator, Field Services Division

c: Kyle Gorman, South Central Region Manager
Crooked River Ranch Club and Maintenance Association
John H. Hammond, Jr.



File # G-12579

RECEIVED

MAR 10 2003

WATER RESOURCES DEPT.
SALEM, OREGON

March 5, 2003

Water Resources Department
attn: Lisa Juul
Commerce Building
158 12th St. NE
Salem, OR 97301-4172

Re: Permit #G11376, Application File #G12579

Dear Ms. Juul:

Crooked River Ranch Water Company is requesting a 90 day extension on submitting our request for a permit extension on the above permit. We are in the midst of researching and trying to clarify water rights issues and need to have extra time to complete this project.

If there are any problems in granting this extension, please contact us as soon as possible at (541)548-2353, or email my Admin Assistant, Barb Oakley, at Barbara@eagleslair.net.

Thank you for your assistance in this matter.

Sincerely,

A handwritten signature in black ink, appearing to read "James Rooks", written over a horizontal line.

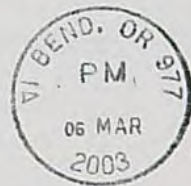
James Rooks, General Manager
Crooked River Ranch Water Company



Crooked River Ranch Water Company

P.O. Box 1388

Crooked River Ranch, OR 97760



Water Resources Department
attn: Lisa Juul
Commerce Building
158 12th St. NE
Salem, OR 97301-4172

97301X4172 C009



File # G-12579

X-Sender: juullj@mailhub.wrd.state.or.us
X-Mailer: QUALCOMM Windows Eudora Version 5.1
Date: Tue, 11 Mar 2003 14:48:06 -0800
To: "Barbara Oakley" <Barbara@eagleslair.net>
From: Lisa J Juul <Lisa.J.JUUL@wrд.state.or.us>
Subject: Re: PERMIT EXTENSION
Cc: Lisa.J.JUUL@wrд.state.or.us
X-Security: MIME headers sanitized on funnel
See <http://www.impsec.org/email-tools/sanitizer-intro.html>
for details. \$Revision: 1.133 \$Date: 2002-01-05 17:09:21-08

Hi Barb,

I did receive your request for more time to complete the extension application. Your request for an additional 90 days (from March 18, 2003) to submit the application is approved.

I haven't been sending out confirmations on these.... so, I hope this e-mail will suffice.

If you have any more questions, please let me know,
Lisa

At 02:28 PM 3/11/03 -0800, you wrote:

Hi Lisa!

Crooked River Ranch Water Company sent a letter, last week, I think, requesting an extension to submit our permit extension. Will we receive a confirmation or notice of approval? The original extension was due March 18, which is next week. We just want to be sure that we are going to be ok. Thanks for your help!

Barb Oakley, CRRWC
541-548-2353

Lisa J. Juul
Water Rights Specialist
Water Rights & Adjudications Division
Oregon Water Resources Department
158 - 12th Street NE
Salem, Oregon 97301-4172

Phone # (503) 378-8455, extension 272
FAX # (503) 378-6203
Homepage/Website Address - <http://www.wrd.state.or.us>



Oregon

John A. Kitzhaber, M.D., Governor

Water Resources Department

Commerce Building
158 12th Street NE
Salem, OR 97301-4172
(503) 378-3739
FAX (503) 378-8130
www.wrd.state.or.us

December 18, 2002

CROOKED RIVER RANCH WATER CO.
PO BOX 1388
CROOKED RIVER RANCH OR 97760

REFERENCE: Permit #G11376 (Application File #G12579) and the Adoption of New Administrative Rules for Municipal and Quasi-Municipal Water Use Permit Extensions

Dear Municipal and/or Quasi-Municipal Water Use Permit Extension Applicant:

The Water Resources Commission has adopted new administrative rules that govern the processing of Municipal and Quasi-Municipal permit extension requests. The new rules are contained in Oregon Administrative Rules Chapter 690, Division 315 (OAR 690-315-0070 through 690-315-0100). If you wish to view a copy of the new Chapter 690, Division 315 Extension Rules, you may access the document from the Department's web page at:

http://www.wrd.state.or.us/cgi-bin/notices.pl?new_oars

The Department is preparing to implement the new Division 315 extension rules. As part of this process, we assessed pending permit extension applications and determined there is not sufficient information to meet the requirements of the new Division 315 standards. The Department, therefore, must receive the following:

1. Please complete and return the enclosed new "Application for Extension of Time for Quasi-Municipal and Municipal Water Use Permits." *Note that the Department has also enclosed a copy of your previously submitted Extension of Time application and related attachments for your use.*

You may also access the "Application for Extension of Time for Quasi-Municipal and Municipal Water Use Permits" on the Department's website at:

<http://www.wrd.state.or.us/publication/forms/index.shtml>

Please submit this information by **March 18, 2003**.

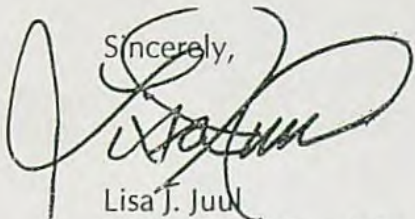


December 18, 2002
Page two of two

If you have an urgent need for the Department to process your extension request, please describe in a cover letter the circumstances that necessitate prompt review.

You may contact me by telephone at 503-378-8455, extension 272 if you have any questions concerning the new rules or our request for additional information.

Sincerely,

A handwritten signature in black ink, appearing to read "Lisa J. Juul", is written over the word "Sincerely,".

Lisa J. Juul
Water Rights Specialist
Water Rights Section

enclosures

cc: Application File #G12579 (Permit #G11376)

APPLICATION FOR EXTENSION OF TIME
TO THE WATER RESOURCES DIRECTOR OF OREGON

RECEIVED

APR 03 2000

WATER RESOURCES DEPT.
SALEM, OREGON

1. CROOKED RIVER RANCH WATER COMPANY
NAME

PO BOX 1388

CROOKED RIVER RANCH, OR 97760

541-923-1041

ADDRESS

CITY

STATE

ZIP

PHONE

owner of record, or duly authorized agent, of Application No. G-12579, Permit No. G-11376, do hereby request that the time in which to:

☒ complete the construction of diversion/appropriation works and/or purchase and installation of the equipment necessary to the use of water, which time now expires on October 1, 1999, be extended to October 1, 2006,

and/or the time in which to:

☒ accomplish beneficial use of water to the full extent under the terms of the permit, which time now expires on October 1, 1999, be extended to October 1, 2006.

NOTE: The extension of time requested should be long enough to finish the project. Should this request be approved, it will be the Department's expectation that you will complete your project within the new time period allowed. Future extensions may not be granted.

Attached is an instruction sheet to assist you in completing the information on the permit extensions application form. Oregon Water Law and Administrative Rules requires this information to be considered by the Water Resources Department when reviewing a permit extension. All items must be completed or the application will be returned. Please feel free to provide the Department with any additional information that would aid us in making our decision. Please use additional sheets of paper as needed to fully respond to the questions.

After reviewing the application form and the instruction sheet, if you have any questions, please contact the Department at 1-800-624-3199, or locally in the Salem vicinity at (503) 378-3739, and request assistance from the Water Rights Division, permit extensions personnel.

1-Did water system construction/well drilling begin within the time specified in the permit [yes/no]?
Yes

2-Has construction of diversion/appropriation works, distribution system, and use of water, if any, been accomplished consistent with the limitations and conditions of this permit [yes/no]? Yes

A) Please describe how you have complied with each applicable permit condition (NOTE: the instruction sheet for permit extension applications provides some direction as to what is an "applicable" condition at time of permit extension review). A Water Management and Conservation Plan is approximately half completed. A 20 Year Master Plan was completed in 1997.

B) If you have not complied with all applicable conditions, please explain the reasons why and indicate a date certain, in the near future, by which time you will be in compliance with applicable conditions. Three managers in 18 months has disrupted the flow of information regarding projects that needed to be completed. Present management was not aware of this deadline until receipt of a letter from OWRD on 9/17/99. As plans are underway to expand the system, we are asking that this deadline be extended until 10/1/2006.

3-I have accomplished the following described works, purchases and installation of equipment necessary to the use of water under said permit:

A) Within the past year or, if a prior extension was authorized, during the last permit extension period: The well #4 project was completed 12/95 at a cost of \$404,000. At that time, we had 1028 meter connections and that number has increased to 1237 meters. The 20 Year Plan was completed at a cost of \$25,500. An additional \$90,360 has been spent for repairs to well #2 and the cistern, the purchase of a chlorination system and an emergency use generator, and emergency repairs to well #4 when the shaft broke.

B) Prior to the past year or, if a prior extension was authorized, prior to the last extension period: Added approximately 100 meters to existing line. Excavated and prepared site for third well (well #4). Had two working (on line) wells completed. Aggressively pursued 800 homesites available to be on (then) current line for hook up.

C) I have accomplished beneficial use of water under the permit to the extent of (amount of water used or acres irrigated): Total water usage from wells #2, #3 and #4:

10/95 - 9/96 25,670,595 cubic feet

10/96 - 9/97 26,168,084 cubic feet

10/97 - 9/98 27,689,435 cubic feet

10/98 - 9/99 29,201,495 cubic feet

Total residential water use 62,874,429 cubic feet

Total irrigation water use 45,855,180 cubic feet

4-Cost of project to date \$519,860. Estimated remaining cost to complete the project \$3,000,000

5-Please list the reasons why the project was not constructed, and/or water not beneficially used within permit time limits under the appropriate categories below. Please provide supporting information for each reason identified.

A) The project is of a size and scope that the original intent was to phase it in over a period longer than the timeframes allowed in the permit. Although well #4 was completed and went on line to provide adequate water to the existing 1600 lots in our service area, the growth of CRR prompted a plan to increase services to 1932 lots in 2003, and to include all 2630 lots in CRR by the year 2017 (see enclosed charts). In 1997 a high growth, high demand projection of 6% was actually a 6.3% increase in growth and demand.

B) Financing and/or cash-flow needs to develop the project precluded completion of the project within authorized timeframes. Expansion of our service area will cost an estimated \$3 million, or approximately \$250,000 per year, except for one year when needed improvements will cost approximately \$525,000.

C) Good faith attempts to comply with permit conditions and/or to acquire permits from other agencies, or otherwise comply with government regulations, delayed completion of the project.

N/A

D) Acts of God or other unforeseen events delayed full development of the water system and use of water. The unforeseen cost increases of repairs and equipment in the last few years was not adequately planned for by this company.

6-Please identify the economic market or markets to which beneficial use of water under the permit is responding. Active water meter connections have increased over 5% per year.

10/95 - 9/96 1020 meters to 1071 meters

10/95 - 9/97 1079 meters to 1122 meters

10/97 - 9/98	1128 meters to 1164 meters
10/98 - 9/99	1165 meters to 1237 meters

A) Has there been any change in this market since the permit was issued? Added connections have increased water usage from 3% to 10.4% every year, for an average water usage increase of 5% per year. A high growth, high demand projection of 6% has been exceed, and may continue for several years.

B) Have these changes, if any, affected the economic feasibility of your project? New connection fees have been used for capital improvements since the founding of the company, and when our service area is built out, these funds will no longer be available. To continue capital improvements without seeking alternative financing, our service area must be expanded.

7-Are there other present competing demands for water in your community? Yes. There are approximately 300 private wells in areas outside our service area.

A) Has there been any change in these demands for water since the permit was issued? Yes. As growth increases at CRR outside of our service area, more private wells are drilled every year.

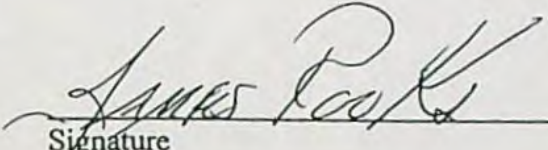
B) Are you aware of alternative sources of water that may be able to satisfy the competing demands? No.

C) Are you aware of any adverse affects on your source of water that may have been caused by recent changes in use of water in your community? No.

8-Will the income or use from the water development project authorized by this permit provide reasonable returns against the investment in the project? Yes. The fees collected from the expansion of our service area will provide the necessary funds to bring our aging water system up to date. Once the expansion is complete, the additional revenue from water rates will maintain the system.

9-If the extension request is denied, is the current level of water use economically feasible? We have 396 remaining water sites today. At the present rate of growth, these will be sold within the next 5 to 7 years. We can increase our service area by 272 meters when the first expansion phase is completed. If we are unable to expand, an annual revenue from connection fees of approximately \$84,000 to \$118,000 (at the present fee) will be ended.

I am the permittee, or have authorization from the permittee, to apply for an extension of time under this permit. I understand that false or misleading statements in this extension application are grounds for the Department to suspend processing of the request and/or reason to deny the extension.


Signature

10/12/99
Date

MAIL COMPLETED APPLICATION AND STATUTORY FEE OF \$ 100 TO:

WATER RIGHT PERMIT EXTENSIONS
WATER RESOURCES
158 12TH ST NE
SALEM, OREGON 97310

Table 6-1
Crooked River Ranch Water Company
Capital Improvement Program (CIP)

CIP		Estimated Capital Cost in 1997 Dollars ⁽²⁾	Estimated Capital Cost during Year of Construction ⁽³⁾								2011 to 2014 ⁽⁵⁾
Proj ID # ⁽¹⁾	Project Title		1998	1999	2000	2001	2002	2003	2004 to 2010 ⁽⁴⁾		
Source											
SO-1	Convert Well #2 to Production Status	\$34,000	\$ 36,040								
SO-2	New Well #5 (Scenario C2)	\$1,160,500								\$ 2,078,279	
SO-3	Annual Source Renewal and Replacement	\$7,500	\$ 7,950	\$ 8,427	\$ 8,933	\$ 9,469	\$ 10,037	\$10,639	\$ 80,588		\$71,897
WQ-1	Continuous Disinfection Well #4	\$29,000	\$ 30,740								
WQ-2	Continuous Disinfection Well #2	\$29,000	\$ 30,740								
Storage											
ST-1	Resurface Tower	\$187,000	\$ 198,220								
ST-2	Tower Overflow Drainage Improvements	\$20,500		\$ 23,034							
ST-3	Tower Security Fencing	\$21,000		\$ 23,596							
ST-4	Cistern Repair	\$10,500	\$ 11,130								
ST-5	New 1.8 MG Reservoir	\$1,350,000								\$ 2,417,644	
Distribution											
DI-1	Annual Distribution Piping Extensions	\$180,000	\$ 190,800	\$ 202,248	\$ 214,383	\$ 227,246	\$ 240,881	\$255,333	\$ 1,934,116		\$1,725,522
DI-2	Annual Pipe Renewal and Replacement	\$15,000	\$ 15,900	\$ 16,854	\$ 17,865	\$ 18,937	\$ 20,073	\$21,278	\$ 161,176		\$143,793
Operation & Management											
OM-1	New Meter for Standpipe Customers	\$1,000	\$ 1,060								
OM-2	Annual Meter Renewal and Replacement	\$1,000	\$ 1,060	\$ 1,124	\$ 1,191	\$ 1,262	\$ 1,338	\$1,419	\$ 10,745		\$9,586
TOTAL		3,046,000	\$523,640	\$275,282	\$242,372	\$256,914	\$272,329	\$288,669	\$6,682,548		\$1,950,798
Notes:											

Notes:

- (1) SO: Source, WQ: Water Quality, ST: Storage, DI: Distribution, OM: Operation and Management
 (2) ENR CCI for Seattle for May 1997 = 6,466.29
 (3) Costs escalated at estimated 6 percent per year
 (4) Costs estimated for 2007
 (5) Costs estimated for 2012

Table 3-2
Water Demand Forecast

Scenario	1997	2003	2017
High (6.0% Growth, High Demand)			
Number of Connections [Meters] ⁽¹⁾	1,147	1,627	3,679 ⁽²⁾
Average Demand [gpd] ⁽³⁾	422,096	621,514	1,405,378
[gpm]	293	432	976
Peak Demand [gpd] ⁽³⁾	970,362	1,428,353	3,229,819
[gpm]	674	992	2,243
Medium (4.3% Growth, Typical Demand)			
Number of Connections [Meters] ⁽¹⁾	1,147	1,477	2,662
Average Demand [gpd] ⁽³⁾	422,096	543,536	979,616
[gpm]	293	377	680
Peak Demand [gpd] ⁽³⁾	970,362	1,249,542	2,252,052
[gpm]	674	868	1,564
Low (2.0% Growth, Low Demand)			
Number of Connections [Meters] ⁽¹⁾	1,147	1,292	1,704
Average Demand [gpd] ⁽³⁾	422,096	231,268	305,016
[gpm]	293	161	212
Peak Demand [gpd] ⁽³⁾	970,362	532,304	702,048
[gpm]	674	370	488
Total Number of Lots within Service Area	1,660	1,932	2,630

- (1) The number of connections for 1997 was provided by CRRWC. Number of connections for 2003 and 2017 was calculated using the equation $N = n(1+\%)^y$ where N is the future number of connections, n is the current number of connections, percentage is the growth rate, and y is the number of years.
- (2) The number of connections in 2017 exceeds the 2,630 total number of lots at the Ranch. This estimate includes the potential for re-zoning at the Ranch thereby creating more lots, or that at 6.0% growth rate the Ranch reaches the 2,630 buildout prior to 2017.
- (3) Average demand and peak demand are calculated by multiplying the number of connections by Meter Demands. Meter demands are as follows:

Trend	Meter Demand (gpm/d)
High Usage	
Average Day	382
Peak Day	878
Typical Usage	
Average Day	368
Peak Day	846
Low Usage	
Average Day	179
Peak Day	412

Exhibit 3-1
Historic Water Use

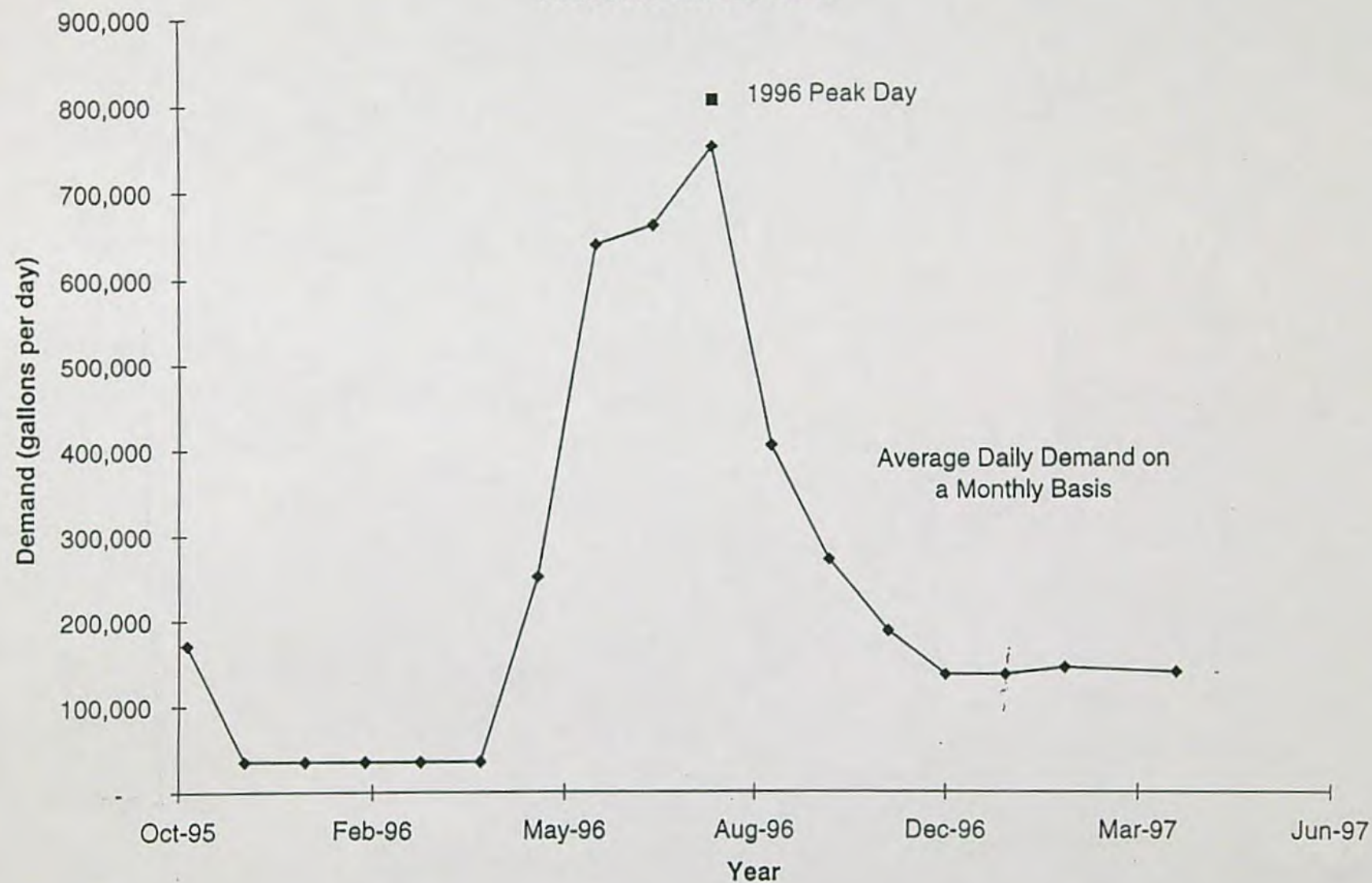


Exhibit 3-2 Growth Projections

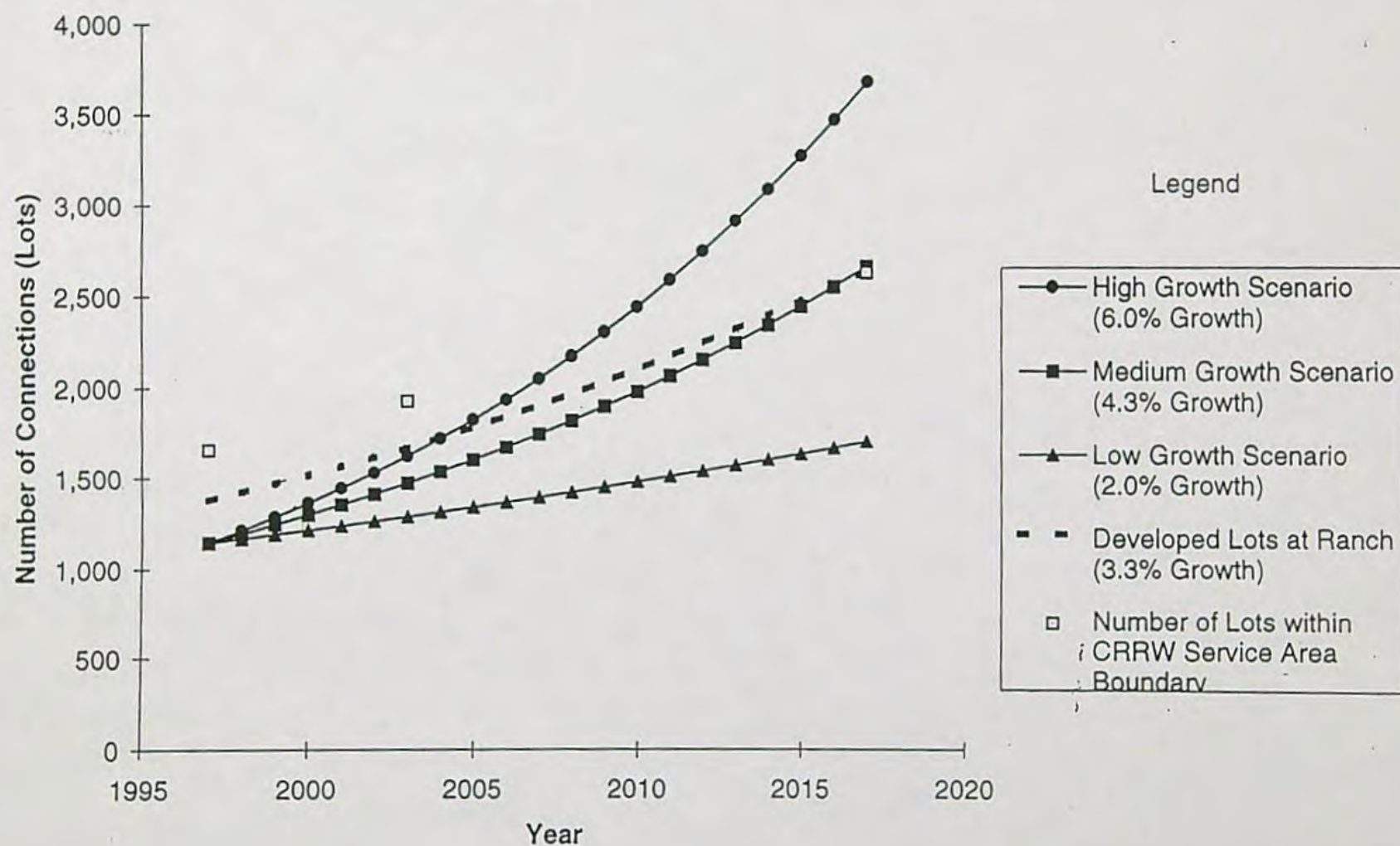
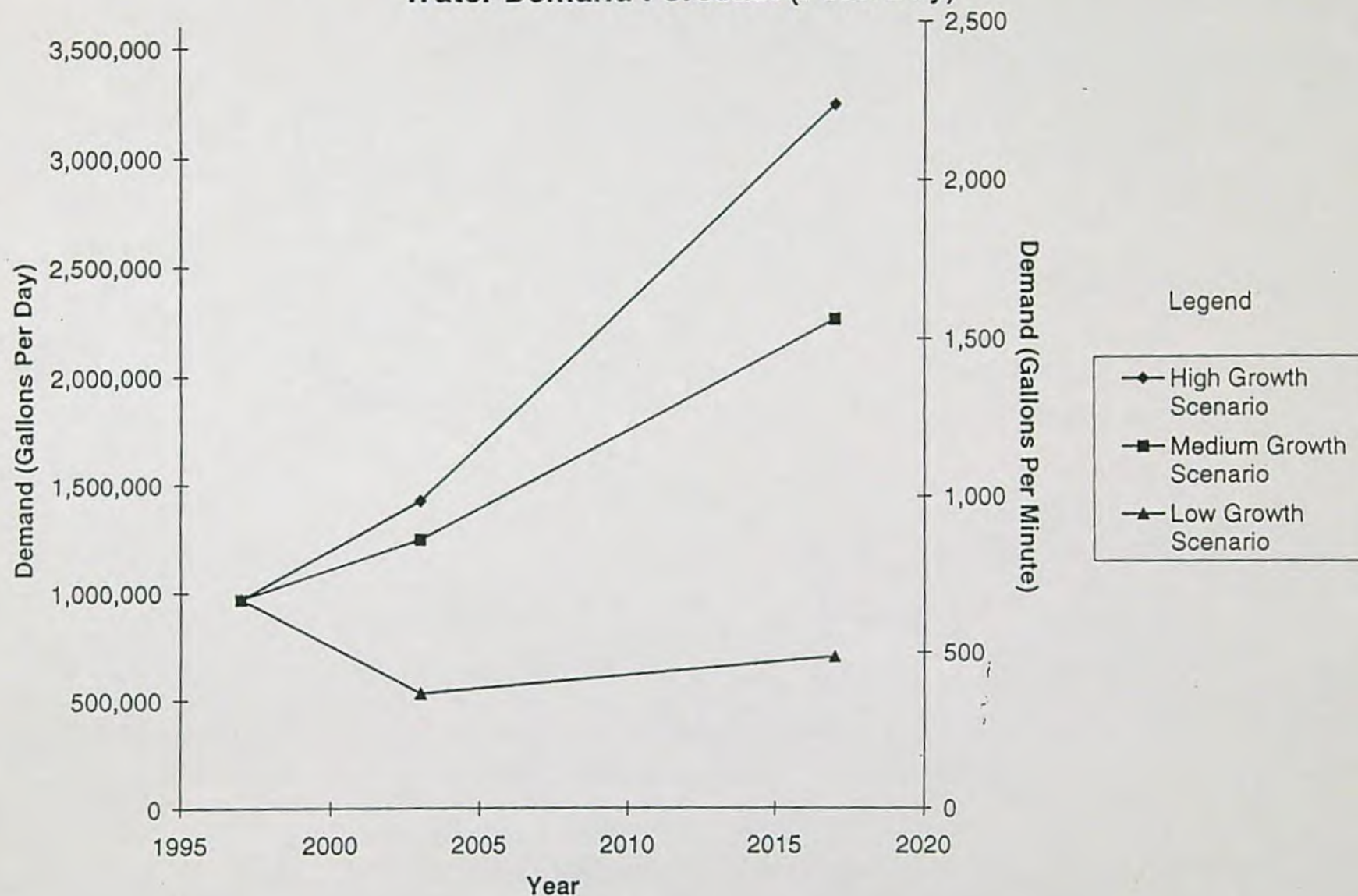


Exhibit 3-3
Water Demand Forecast (Peak Day)



APPLICATION FOR EXTENSION OF TIME TO THE WATER RESOURCES DIRECTOR OF OREGON

I, CROOKED RIVER RANCH WATER COMPANY
NAME
PO BOX 1388 CROOKED RIVER RANCH, OR 97760 541-923-1041
ADDRESS CITY STATE ZIP PHONE

owner of record, or duly authorized agent, of Application No. G-12579, Permit No. G-11376, do hereby request that the time in which to:

☒ complete the construction of diversion/appropriation works and/or purchase and installation of the equipment necessary to the use of water, which time now expires on October 1, 1999, be extended to October 1, 2006,

and/or the time in which to:

☒ accomplish beneficial use of water to the full extent under the terms of the permit, which time now expires on October 1, 1999, be extended to October 1, 2006.

NOTE: The extension of time requested should be long enough to finish the project. Should this request be approved, it will be the Department's expectation that you will complete your project within the new time period allowed. Future extensions may not be granted.

Attached is an instruction sheet to assist you in completing the information on the permit extensions application form. Oregon Water Law and information to be considered by the Water Resources extension. All items must be completed or the applicant provide the Department with any additional information decision. Please use additional sheets of paper as needed.

no money

res this
g a permit
feel free to
sing our
uestions.

After reviewing the application form and the instructions, please contact the Department at 1-800-624-3199, or locally in the Salem vicinity at (503) 378-3739, and request assistance from the Water Rights Division, permit extensions personnel.

1-Did water system construction/well drilling begin within the time specified in the permit [yes/no]?
Yes

2-Has construction of diversion/appropriation works, distribution system, and use of water, if any, been accomplished consistent with the limitations and conditions of this permit [yes/no]? Yes

RECEIVED

OCT 18 1999

APPLICATION FOR EXTENSION OF TIME TO THE WATER RESOURCES DIRECTOR OF OREGON

I, CROOKED RIVER RANCH WATER COMPANY
NAME
PO BOX 1388 CROOKED RIVER RANCH, OR 97760 541-923-1041
ADDRESS CITY STATE ZIP PHONE

owner of record, or duly authorized agent, of Application No. G-12579, Permit No. G-11376, do hereby request that the time in which to:

☒ complete the construction of diversion/appropriation works and/or purchase and installation of the equipment necessary to the use of water, which time now expires on October 1, 1999, be extended to October 1, 2006.

and/or the time in which to:

☒ accomplish beneficial use of water to the full extent under the terms of the permit, which time now expires on October 1, 1999, be extended to October 1, 2006.

NOTE: The extension of time requested should be long enough to finish the project. Should this request be approved, it will be the Department's expectation that you will complete your project within the new time period allowed. Future extensions may not be granted.

Attached is an instruction sheet to assist you in completing the information on the permit extensions application form. Oregon Water Law and Administrative Rules requires this information to be considered by the Water Resources Department when reviewing a permit extension. All items must be completed or the application will be returned. Please feel free to provide the Department with any additional information that would aid us in making our decision. Please use additional sheets of paper as needed to fully respond to the questions.

After reviewing the application form and the instruction sheet, if you have any questions, please contact the Department at 1-800-624-3199, or locally in the Salem vicinity at (503) 378-3739, and request assistance from the Water Rights Division, permit extensions personnel.

1-Did water system construction/well drilling begin within the time specified in the permit [yes/no]?
Yes

2-Has construction of diversion/appropriation works, distribution system, and use of water, if any, been accomplished consistent with the limitations and conditions of this permit [yes/no]? Yes

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OCT 18 1999

WATER RESOURCES DEPT.
SALEM, OREGON

A) Please describe how you have complied with each applicable permit condition (NOTE: the instruction sheet for permit extension applications provides some direction as to what is an "applicable" condition at time of permit extension review). A Water Management and Conservation Plan is approximately half completed. A 20 Year Master Plan was completed in 1997.

B) If you have not complied with all applicable conditions, please explain the reasons why and indicate a date certain, in the near future, by which time you will be in compliance with applicable conditions. Three managers in 18 months has disrupted the flow of information regarding projects that needed to be completed. Present management was not aware of this deadline until receipt of a letter from OWRD on 9/17/99. As plans are underway to expand the system, we are asking that this deadline be extended until 10/1/2006.

3-I have accomplished the following described works, purchases and installation of equipment necessary to the use of water under said permit:

A) Within the past year or, if a prior extension was authorized, during the last permit extension period: The well #4 project was completed 12/95 at a cost of \$404,000. At that time, we had 1028 meter connections and that number has increased to 1237 meters. The 20 Year Plan was completed at a cost of \$25,500. An additional \$90,360 has been spent for repairs to well #2 and the cistern, the purchase of a chlorination system and an emergency use generator, and emergency repairs to well #4 when the shaft broke.

B) Prior to the past year or, if a prior extension was authorized, prior to the last extension period:

Added approximately 100 meters to existing line. Excavated and prepared site for third well (well #4). Had two working (on line) wells completed. Aggresively pursued 800 homesites available to be on (then) current line for hook up.

C) I have accomplished beneficial use of water under the permit to the extent of (amount of water used or acres irrigated): Total water usage from wells #2, #3 and #4:

10/95 - 9/96 25,670,595 cubic feet

10/96 - 9/97 26,168,084 cubic feet

10/97 - 9/98 27,689,435 cubic feet

10/98 - 9/99 29,201,495 cubic feet

Total residential water use 62,874,429 cubic feet

Total irrigation water use 45,855,180 cubic feet

4-Cost of project to date \$519,860. Estimated remaining cost to complete the project \$3,000,000

5-Please list the reasons why the project was not constructed, and/or water not beneficially used within permit time limits under the appropriate categories below. Please provide supporting information for each reason identified.

A) The project is of a size and scope that the original intent was to phase it in over a period longer than the timeframes allowed in the permit. Although well #4 was completed and went on line to provide adequate water to the existing 1600 lots in our service area, the growth of CRR prompted a plan to increase services to 1932 lots in 2003, and to include all 2630 lots in CRR by the year 2017 (see enclosed charts). In 1997 a high growth, high demand projection of 6% was actually a 6.3% increase in growth and demand.

B) Financing and/or cash-flow needs to develop the project precluded completion of the project within authorized timeframes. Expansion of our service area will cost an estimated \$3 million, or approximately \$250,000 per year, except for one year when needed improvements will cost approximately \$525,000.

C) Good faith attempts to comply with permit conditions and/or to acquire permits from other agencies, or otherwise comply with government regulations, delayed completion of the project.

N/A

D) Acts of God or other unforeseen events delayed full development of the water system and use of water. The unforeseen cost increases of repairs and equipment in the last few years was not adequately planned for by this company.

6-Please identify the economic market or markets to which beneficial use of water under the permit is responding. Active water meter connections have increased over 5% per year.

10/95 - 9/96 1020 meters to 1071 meters

10/95 - 9/97 1079 meters to 1122 meters

10/97 - 9/98	1128 meters to 1164 meters
10/98 - 9/99	1165 meters to 1237 meters

A) Has there been any change in this market since the permit was issued? Added connections have increased water usage from 3% to 10.4% every year, for an average water usage increase of 5% per year. A high growth, high demand projection of 6% has been exceed, and may continue for several years.

B) Have these changes, if any, affected the economic feasibility of your project? New connection fees have been used for capital improvements since the founding of the company, and when our service area is built out, these funds will no longer be available. To continue capital improvements without seeking alternative financing, our service area must be expanded.

7-Are there other present competing demands for water in your community? yes. There are approximately 300 private wells in areas outside our service area.

A) Has there been any change in these demands for water since the permit was issued? yes. As growth increases at CRR outside of our service area, more private wells are drilled every year.

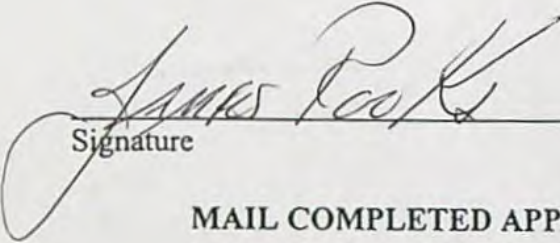
B) Are you aware of alternative sources of water that may be able to satisfy the competing demands? No.

C) Are you aware of any adverse affects on your source of water that may have been caused by recent changes in use of water in your community? No.

8-Will the income or use from the water development project authorized by this permit provide reasonable returns against the investment in the project? Yes. The fees collected from the expansion of our service area will provide the necessary funds to bring our aging water system up to date. Once the expansion is complete, the additional revenue from water rates will maintain the system.

9-If the extension request is denied, is the current level of water use economically feasible? We have 396 remaining water sites today. At the present rate of growth, these will be sold within the next 5 to 7 years. We can increase our service area by 272 meters when the first expansion phase is completed. If we are unable to expand, an annual revenue from connection fees of approximately \$84,000 to \$118,000 (at the present fee) will be ended.

I am the permittee, or have authorization from the permittee, to apply for an extension of time under this permit. I understand that false or misleading statements in this extension application are grounds for the Department to suspend processing of the request and/or reason to deny the extension.


Signature

10/12/99
Date

MAIL COMPLETED APPLICATION AND STATUTORY FEE OF \$ 100 TO:

WATER RIGHT PERMIT EXTENSIONS
WATER RESOURCES
158 12TH ST NE
SALEM, OREGON 97310

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WATER RESOURCES DEPT.
SALEM, OREGON

Table 6-1
Crooked River Ranch Water Company
Capital Improvement Program (CIP)

Capital Improvement Program (CIP)											
CIP Proj ID # ⁽¹⁾	Project Title	Estimated Capital Cost in 1997 Dollars ⁽²⁾	Estimated Capital Cost during Year of Construction ⁽³⁾							2011 to 2014 ⁽⁵⁾	
			1998	1999	2000	2001	2002	2003	2004 to 2010 ⁽⁴⁾		
	Source										
SO-1	Convert Well #2 to Production Status	\$34,000	\$ 36,040								
SO-2	New Well #5 (Scenario C2)	\$1,160,500							\$ 2,078,279		
SO-3	Annual Source Renewal and Replacement	\$7,500	\$ 7,950	\$ 8,427	\$ 8,933	\$ 9,469	\$ 10,037	\$10,639	\$ 80,588	\$71,897	
WQ-1	Continuous Disinfection Well #4	\$29,000	\$ 30,740								
WQ-2	Continuous Disinfection Well #2	\$29,000	\$ 30,740								
	Storage										
ST-1	Resurface Tower	\$187,000	\$ 198,220								
ST-2	Tower Overflow Drainage Improvements	\$20,500		\$ 23,034							
ST-3	Tower Security Fencing	\$21,000		\$ 23,596							
ST-4	Cistern Repair	\$10,500	\$ 11,130								
ST-5	New 1.8 MG Reservoir	\$1,350,000							\$ 2,417,644		
	Distribution										
DI-1	Annual Distribution Piping Extensions	\$180,000	\$ 190,800	\$ 202,248	\$ 214,383	\$ 227,246	\$ 240,881	\$255,333	\$ 1,934,116	\$1,725,522	
DI-2	Annual Pipe Renewal and Replacement	\$15,000	\$ 15,900	\$ 16,854	\$ 17,865	\$ 18,937	\$ 20,073	\$21,278	\$ 161,176	\$143,793	
	Operation & Management										
OM-1	New Meter for Standpipe Customers	\$1,000	\$ 1,060								
OM-2	Annual Meter Renewal and Replacement	\$1,000	\$ 1,060	\$ 1,124	\$ 1,191	\$ 1,262	\$ 1,338	\$1,419	\$ 10,745	\$9,586	
TOTAL			3,046,000	\$523,640	\$275,282	\$242,372	\$256,914	\$272,329	\$288,669	\$6,682,548	\$1,950,798

Notes:

- (1) SO: Source, WQ: Water Quality, ST: Storage, DI: Distribution, OM: Operation and Management
 (2) ENR CCI for Seattle for May 1997 = 6,466.29
 (3) Costs escalated at estimated 6 percent per year
 (4) Costs estimated for 2007
 (5) Costs estimated for 2012

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WATER RESOURCES DEPT.
SALEM, OREGON

Table 3-2
Water Demand Forecast

Scenario	1997	2003	2017
High (6.0% Growth, High Demand)			
Number of Connections [Meters] ⁽¹⁾	1,147	1,627	3,679 ⁽²⁾
Average Demand [gpd] ⁽³⁾	422,096	621,514	1,405,378
[gpm]	293	432	976
Peak Demand [gpd] ⁽³⁾	970,362	1,428,353	3,229,819
[gpm]	674	992	2,243
Medium (4.3% Growth, Typical Demand)			
Number of Connections [Meters] ⁽¹⁾	1,147	1,477	2,662
Average Demand [gpd] ⁽³⁾	422,096	543,536	979,616
[gpm]	293	377	680
Peak Demand [gpd] ⁽³⁾	970,362	1,249,542	2,252,052
[gpm]	674	868	1,564
Low (2.0% Growth, Low Demand)			
Number of Connections [Meters] ⁽¹⁾	1,147	1,292	1,704
Average Demand [gpd] ⁽³⁾	422,096	231,268	305,016
[gpm]	293	161	212
Peak Demand [gpd] ⁽³⁾	970,362	532,304	702,048
[gpm]	674	370	488
Total Number of Lots within Service Area	1,660	1,932	2,630

- (1) The number of connections for 1997 was provided by CRRWC. Number of connections for 2003 and 2017 was calculated using the equation $N = n(1+\%)^y$ where N is the future number of connections, n is the current number of connections, percentage is the growth rate, and y is the number of years.
- (2) The number of connections in 2017 exceeds the 2,630 total number of lots at the Ranch. This estimate includes the potential for re-zoning at the Ranch thereby creating more lots, or that at 6.0% growth rate the Ranch reaches the 2,630 buildout prior to 2017.
- (3) Average demand and peak demand are calculated by multiplying the number of connections by Meter Demands. Meter demands are as follows:

Trend	Meter Demand (gpm/d)
High Usage	
Average Day	382
Peak Day	878
Typical Usage	
Average Day	368
Peak Day	846
Low Usage	
Average Day	179
Peak Day	412

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WATER RESOURCES DEPT.
SALEM, OREGON

Exhibit 3-1
Historic Water Use

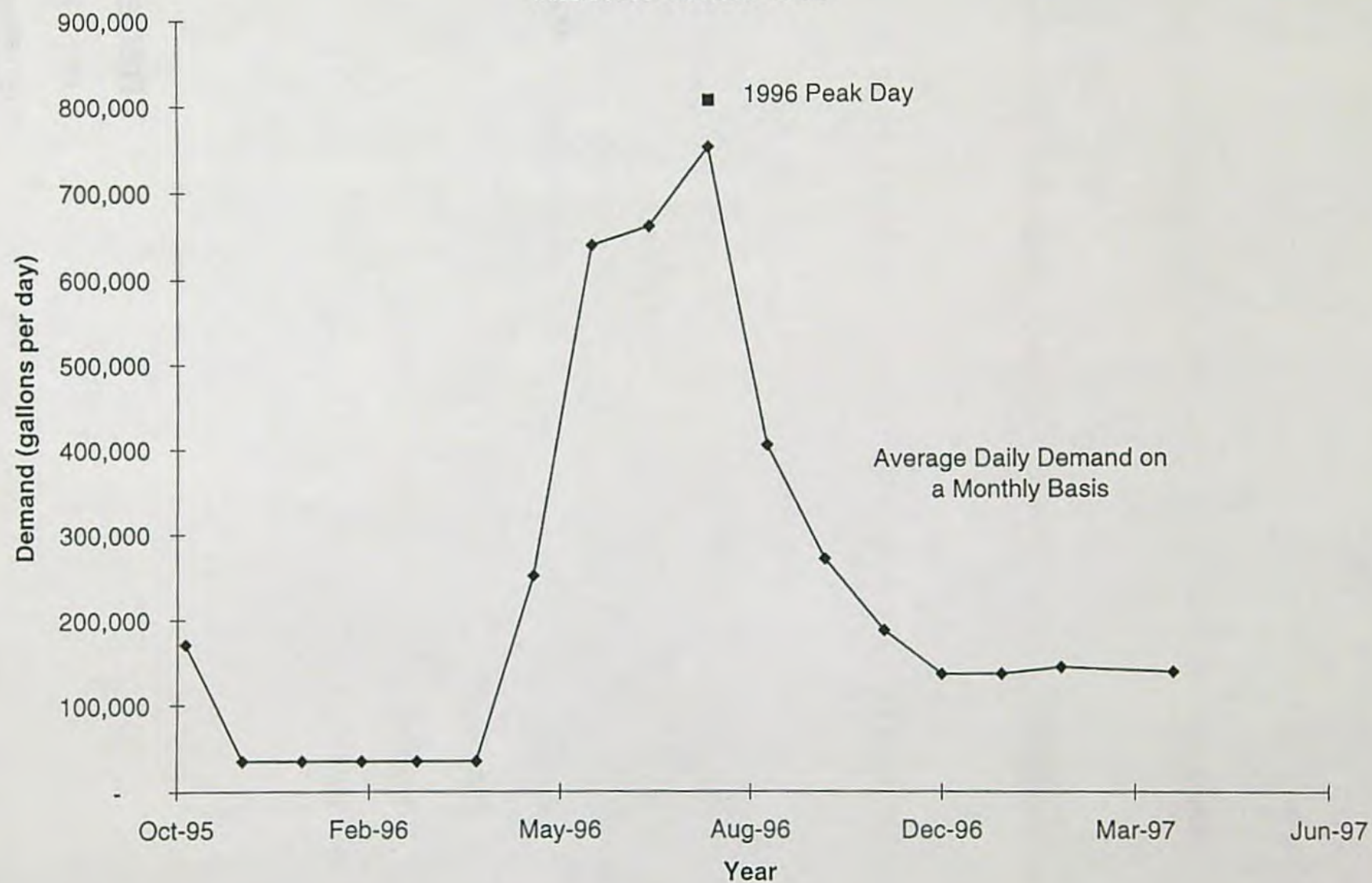
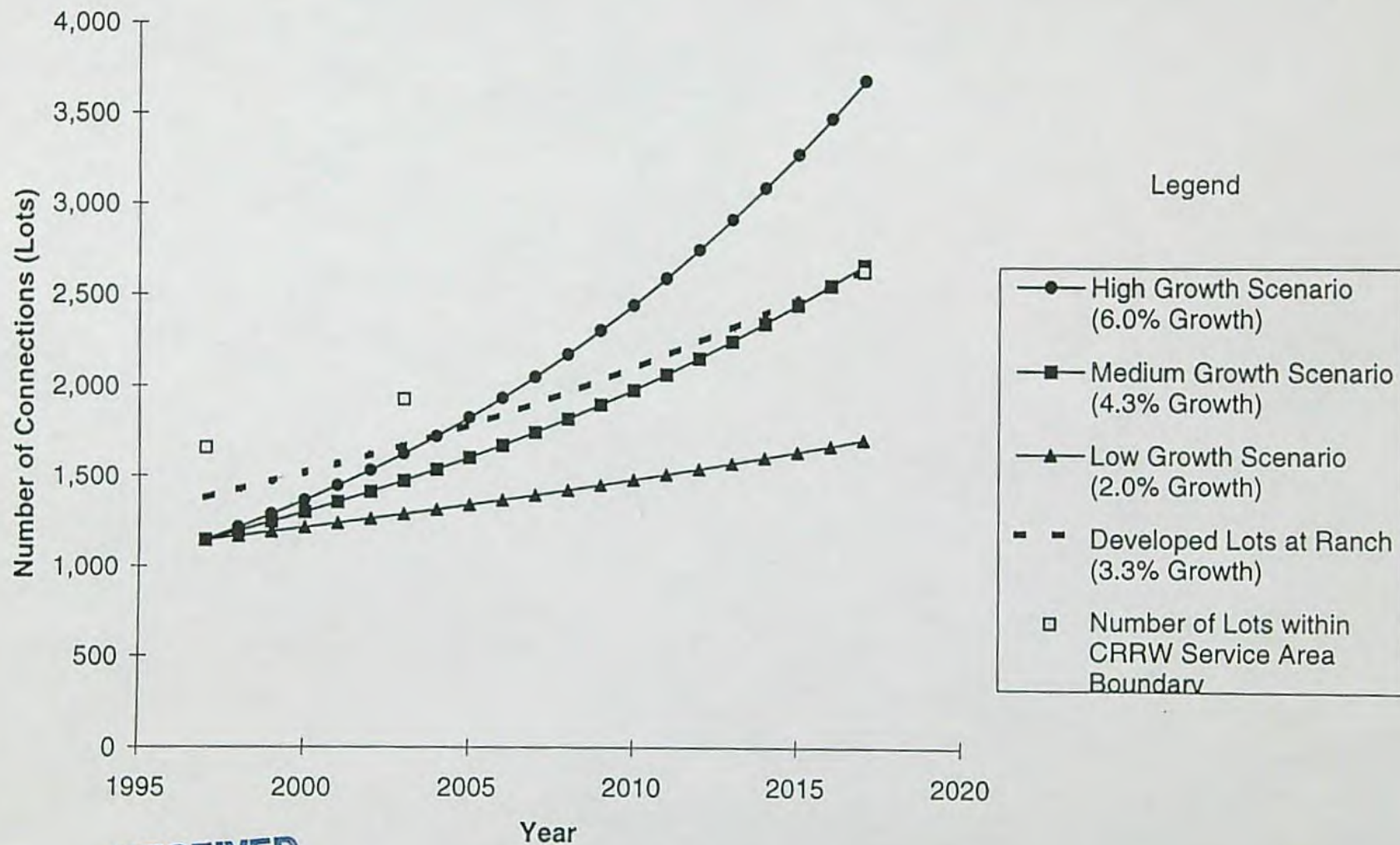


Exhibit 3-2 Growth Projections

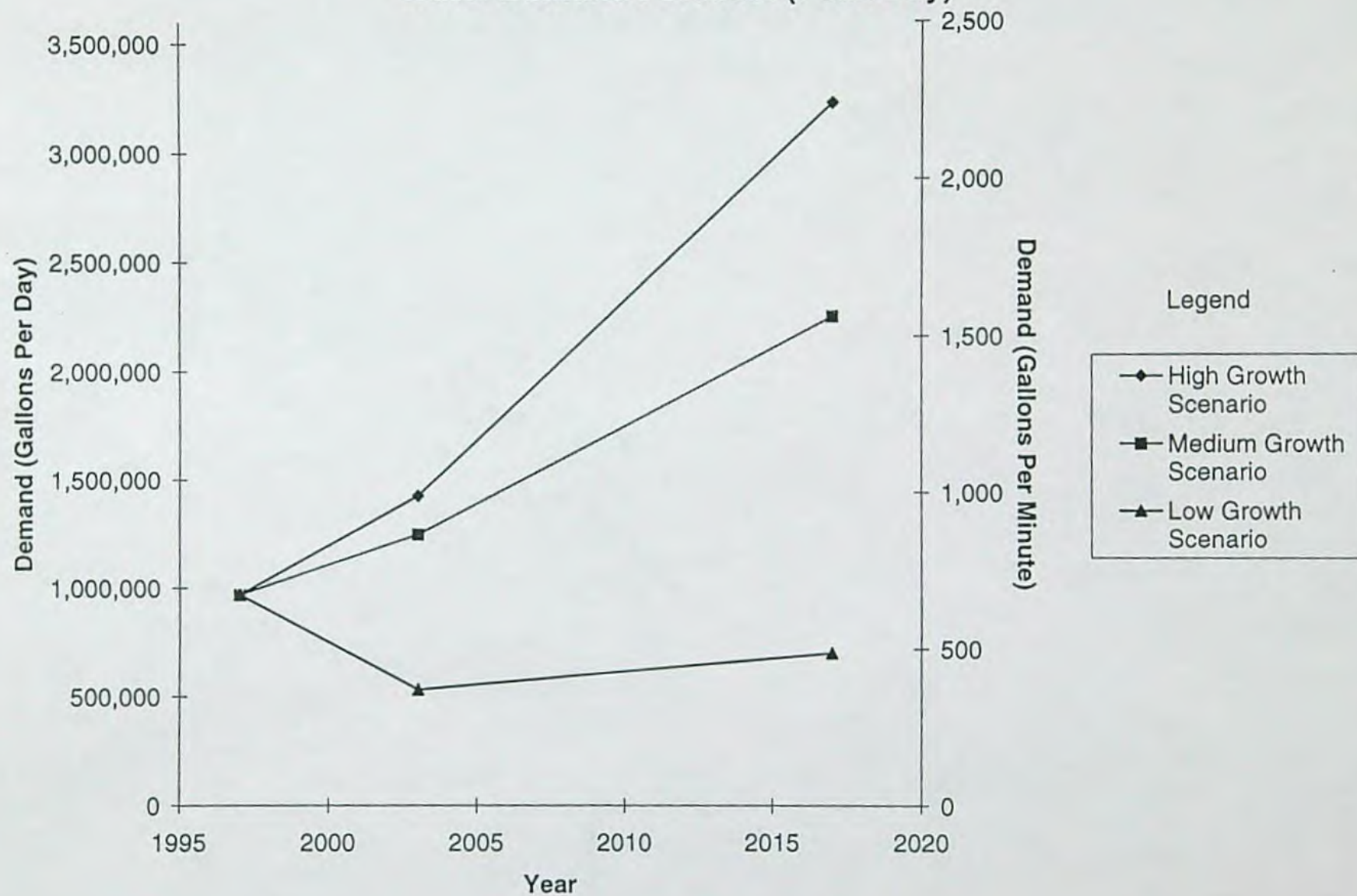


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WATER RESOURCES DEPT.
SALEM, OREGON

Exhibit 3-3
Water Demand Forecast (Peak Day)



Crooked River Ranch Water
13845 S.W. Commercial Loop
P.O. Box 1388
Crooked River Ranch, OR 97760

OREGON WATER RESOURCES DEPT.
ATTN.: DALLAS MILLER
158 12TH STREET NE
SALEM, OR 97310-0210



Oregon

John A. Kitzhaber, M.D., Governor

Water Resources Department

Commerce Building
158 12th Street NE
Salem, OR 97310-0210
(503) 378-3739
FAX (503) 378-8130

October 19, 1999

CROOKED RIVER RANCH
JAMES ROOKS
PO BOX 1388
CROOKED RIVER RANCH, OR 97760

REFERENCE: File G 12579

Dear Applicant:

Regarding your request for an extension of time of permit G 11376. Before we can process the request for an extension of time it will be necessary for you to submit the required \$ 100 fee. The extension cannot be considered filed until we receive that fee.

If you have questions please contact me at the address below or phone (503)378-3739 ext. 272.

Sincerely,

Dallas Miller
Water Rights Specialist

cc: Watermaster, District 11





Oregon

John A. Kitzhaber, M.D., Governor

Water Resources Department

Commerce Building
158 12th Street NE
Salem, OR 97310-0210
(503) 378-3739
FAX (503) 378-8130

September 15, 1999

CROOKED RIVER RANCH WATER CO
PO BOX 1388
CROOKED RIVER RANCH OR 97760

REFERENCE: File G-12579

This letter is in regard to your water use Permit G-11376. As we pointed out to you in our January 20, 1999 letter, your claim of beneficial use must be received in this office by **October 1, 1999.**

Oregon Administrative Rule 690-14-190 states: "The claim of beneficial use shall be submitted to the Department within one year after the use was reported..as being complete...Failure to comply with this section shall cause the Director to initiate permit cancellation proceedings as provided by ORS 537.260."

The "claim" consists of a site report and map of the developed use prepared by a Certified Water Rights Examiner, which accompany a request from the permittee for issuance of a certificate of water right.

You are hereby notified that unless your claim is received on or before **October 1, 1999** your permit will be canceled without further notice.

If you have any questions, please contact the Water Rights Section.

Sincerely,

DALLAS MILLER
Water Rights Specialist

DM:jh

cc: Kyle Gorman, Watermaster
Bruce Estes, CWRE

CERTIFIED - RETURN RECEIPT REQUESTED





Oregon

John A. Kitzhaber, M.D., Governor

Water Resources Department

Commerce Building
158 12th Street NE
Salem, OR 97310-0210
(503) 378-3739
FAX (503) 378-8130

January 20, 1999

CROOKED RIVER RANCH WATER CO
PO BOX 1388
CROOKED RIVER RANCH OR 97760

REFERENCE: File G-12579

The date for the complete application of water to a beneficial use for your water use Permit G-11376 was **October 1, 1998**. To date we have not received notice that your project was completed.

If the project was completed, you should promptly submit the notice of complete application of water. If you were unable to complete the project within the time allowed, you may wish to request an extension of the time limits.

Water Right Certificate

In order to obtain a certificate of water right, you are required by law to hire a certified water right examiner to conduct the final proof survey of the completed use. This must be done within one year after the use is reported as being complete or within one year after the beneficial use date allowed in the permit, whichever occurs first. Accordingly, the map and claim of beneficial use must be received in this office on or before **October 1, 1999**. A list of certified water right examiners is enclosed for your information.

Upon receipt of the map and claim of beneficial use, the information will be reviewed and a brief field inspection may be conducted by a representative of this office. Following that, a proposed certificate of water right will be mailed to you for review.

Extension of Time

If you wish to apply for an extension of time, please fill out the enclosed form. Permit extension rules, adopted by the Water Resources Commission in October 1998, require that the Department consider this information when determining whether or not to approve an extension request. You should request to extend your permit for the amount of time necessary to fully complete your project and put the water to beneficial use. Should the permit extension be approved, it is the Department's expectation that it will be the last extension granted. Copies of the new extension rules will be furnished upon request.

If you are no longer interested in the project, please let us know. We will provide forms for you to authorize the cancellation of the permit.

If you have any questions, please contact me at extension 272, at 503-378-3739, or toll-free 1-800-624-3199.

Sincerely,

DALLAS S. MILLER
Water Rights Specialist

DSM:jh

enclosure

cc: Kyle Gorman, Watermaster
Bruce Estes, CWRE

Oregon Water Resources Department



State of Oregon
Water Resources Department
158 12th Street NE, Salem, OR 97310
(800)624-3199 • (503)378-8455
www.wrd.state.or.us

Fax Transmittal

TO: TIM ZIMMERMAN
FAX: 503 598 7758 DATE: MAY 15-2000 PAGES: 14
FROM: RESEARCH Div. @ 201
COMMENTS: REQUEST of COPY APPLIC
G-12579
CROOKED RVR RANCH.

IMPORTANT MESSAGE

or Wed. 2001 Date 5-10 Time 10:11 ☒ AM ☐ PM **STICKER HERE**
1 TIM ZIMMERMAN
of ATTY.
phone # (503)-684-4111 ☐ FAX ☐ MOBILE
message WELL 10:12 10:12
G-12579 WELL
COPY
1990 "APPLIC"

Wops FORM 4013

Water Rights & Adjudications

- Water Rights Information
- Adjudications
- Hydroelectric
- Certificates/Final Proofs
- Hearings/Contested Cases

Northwest Region

- District 16 Watermaster
- Transfers

FAX: 503-378-2496

FAX: 503-378-8130

FAX: 503-378-6203

1901



Oregon

John A. Kitzhaber, M.D., Governor

G-12579 - File G-11376

Water Resources Department

Commerce Building

158 12th Street NE

Salem, OR 97310-0210

(503) 378-3739

FAX (503) 378-8130

June 3, 1998

Constance Albrecht, Manager
Crooked River Ranch Water Company
P.O. Box 1388
Crooked River Ranch, OR 97760

Subject: Water Right Permit #G-11376, Water Management and Conservation Plan

Dear Ms. Albrecht:

I received your request for an extension for submittal of Crooked River Ranch's Water Management and Conservation Plan. It sounds like your organization is going through many changes and has taken on some relevant projects to assess your water system, collect data and implement a new rate structure. Because of the work to date and the commitment you have made to completing the plan, we are extending your submittal date to August 31, 1998.

Enclosed are the conference materials that we spoke of. Included is a copy of Oregon Administrative Rule 690-86 which details the plan requirements. Also included is a water management plan outline which takes you step by step through the plan's requirements. Other information includes population projections, information on conservation water pricing and integrated resource planning, funding and technical resource, and other conservation information. Please note that I am available to provide assistance to you during plan preparation. Feel free to call me, I can be reached at (503)378-8455 ext. 241.

Sincerely,

Rebecca Geisen
Senior Water Resources Planner

Attachments

c: Bob Main/Kyle Gorman - Watermaster's Office
Water Rights File G-11376

RECEIVED

MAY 18 1998

WATER RESOURCES DEPT.
SALEM, OREGONRequest for Extension of the Due Date for Submitting
Water Management and Conservation Plans

Name of Entity: Crooked River Ranch Water Co. Application No: _____
 Contact Person: Constance Albrecht, manager Permit No: _____
 Phone No: (541) 923-1041
 Address: P.O. Box 1388
 City: Crooked River Ranch, Oregon Zip Code: 97760

Status of Water Management and Conservation Plan

(Discuss what has been accomplished to date.)

- (1) Company recently completed a 20-year Master Plan; the Board has met + prioritized projects.
 (2) Company has changed rate structure so high water users now pay the same per 100 cft, not less than others.
 (3) Discussion with largest users on system about reducing usage.
 Reason for request (Briefly discuss why the extension is being requested):
 (4) Doing Home-Ass program for extension service.
 The company is in a transition. We're having Board elections soon; a new manager has been hired and we're in the middle of a construction project, too.

Schedule for Plan Completion

(Prepare a timeline to complete your plan. After reviewing the elements contained in the "Plan Outline" form available from OWRD, discuss the availability of the information needed to complete the plan.)

The Company has excellent data (all computerized) from each of the nearly 1200 meters on system. Historical water usage records by month and year, engineering & demand data, & population projections from 20-year master plan.

Requested New Due Date: 8/31/98

(Call our offices, if more than nine months from original due date is desired.)

By: Constance Albrecht Date: 5/15/98
 Signature of Authorized Representative, title
Constance Albrecht, Manager
 Printed Name, title

Return to: Water Resources Department, 158 12th Street NE, Salem, Oregon 97310

attn: Rebecca Geiser

FILE#: G 12579

CROOKED RIVER RANCH WATER CO.
PO BOX 879 1388

CROOKED RIVER RANCH, OR 97760

Application No. G G12579

Permit No. G. G11376

Certificate No. _____

Recherches
Stream Index, Page No. 5

2 Crow % d

Date filed

Priority

1) Action suspended until 1994

Return to applicant

Date of approval

CONSTRUCTION

Date for beginning NOV 18 1992

Date for completion OCT 1 1993 98

Extended to

Date for application of water 10 OCT 1 1994 '98

Extended to

PROSECUTION OF WORK

Form "A" filed started

Form "B" filed

Form "C" filed

FINAL PROOF

Blank mailed

Proof received

Date certificate issued

FEE PAID

Date	Amount	Re
6/8/91	8200.00	
9/20/91	1300.00	7

Cert. Fee

FEES REFUNDED

Date	Amount	C
------	--------	---

ASSIGNMENTS

Date	To Whom	Address	Volume

REMARKS

2 Sent n-13-93

B Sent to new add 10/21/93

BC 10-1-92

App 4

PERMIT 9-11376 DESCRIBES THE USE OF WATER FROM WELLS 2 & 3. IF ANOTHER WELL IS DEVELOPED, A PERMIT FOR THE USE OF WATER WOULD BE NEEDED.

February 17, 1994

WATER
RESOURCES
DEPARTMENT

CROOKED RIVER RANCH WATER COMPANY
PO BOX 1388
CROOKED RIVER RANCH OR 97760

REFERENCE: File G-12579

We have received your application for extension of the time limits to complete construction and make complete application of water under Permit G-11376. We also have your check in the amount of \$100.

The application indicates reasonable diligence toward completion of the proposed project. The time limits to complete construction and make complete application of water are extended to October 1, 1998. The order approving the extension was entered February 9, 1994.

Permit G-11376 describes the use of water from Wells 2 & 3. If another well is developed, a permit for the use of water would be needed.

If you have any questions, please contact the Water Rights Section at 378-3739.

TES:jh

enclosure



3850 Portland Rd NE
Salem, OR 97310
(503) 378-3739
FAX (503) 378-8130

Application for Extension of Time

RECEIVED

NOV - 3 1993

WATER RESOURCES DEPT.
SALEM, OREGON

TO THE WATER RESOURCES DIRECTOR OF OREGON

I, Crooked River Ranch Water Company

Name

P.O. Box 1388

Mailing Address

Crooked River Ranch,

City

Oregon

State

97760

Zip

record owner of water permit No. G11376, do hereby request that the time in which to:

☒ complete the construction of works and/or purchase and installation of the equipment necessary to the use of water, which time now expires on October 1, 1993, be extended to October 1, 1998 and/or the time in which to

☒ accomplish beneficial use of water to the full extent now intended under the terms of said permit, which time now expires on October 1, 1993 be extended to October 1, 1998.

I have accomplished the following described works and/or purchase and installation of equipment necessary to the use of water under said permit:

(1) within the past year Have added approximately 100 meters to existing line.

Have excavated and prepared site for third well.

Have aggressively pursued 800 homesites available to be on current line for hookup.

(2) prior to this past year Added approximately 100 meters to existing line

Have 2 working (on line) wells completed.

(3) and have accomplished beneficial use of water to the extent of (IF FOR IRRIGATION, STATE HOW MANY ACRES HAVE BEEN IRRIGATED) Have 2 wells completed and on line with 850 meters now active.

(If additional space is required, attach separate sheet)

William D. Howarth President

(If signing for a corporation please identify your title)

Dated 10-29-93

MAIL COMPLETED APPLICATION AND STATUTORY FEE
OF \$100.00 FOR EACH PERMIT TO:

Water Resources Department
3850 Portland Road N.E.
Salem, Oregon 97310

1ST REQUEST

BC 73-98

NEAR OPAL CITY
(KERMANT)

1. ZWELLS QUA-MUNI SCFS

2. 2 WELLS DRILLED
PUMPS INSTALLED
850 USELS

3. PLAN/TIMETABLE ?

4. NOT STATED, PROBABLY ICFS

5. 20%

6. NOTHING GIVEN

7. NO

8. NO

9. NO, STILL SELLING HOMESITES

10. NO

11/12 NO INFO

WRTBL WATCH COMMENTED PRIOR TO PERMIT ISSUANCE
NOTHING SINCE.

OK BC-10-1-98

Am
2/7/94

STATE OF OREGON

WATER RESOURCES DEPARTMENT

RECEIPT # 106525

3850 PORTLAND ROAD NE

SALEM, OR 97310

378-8455/378-8130 (FAX)

RECEIVED FROM:

BY:

APPLICATION

PERMIT

TRANSFER

CASH:

CHECK: #

OTHER: (IDENTIFY)

TOTAL REC'D

\$

01-00-0 WRD MISC CASH ACCT

842.010 ADJUDICATIONS

831.087 PUBLICATIONS/MAPS

830.650 PARKING FEES Name/month

OTHER: (IDENTIFY)

\$

\$

\$

\$

REDUCTION OF EXPENSE

CASH ACCT.

COST CENTER AND OBJECT CLASS

VOUCHER #

\$

03-00-0 WRD OPERATING ACCT

MISCELLANEOUS:

840.001 COPY FEES

850.200 RESEARCH FEES

880.109 MISC REVENUE: (IDENTIFY)

520.000 OTHER (P-6) (IDENTIFY)

\$

\$

\$

\$

WATER RIGHTS:

842.001 SURFACE WATER

842.003 GROUND WATER

842.005 TRANSFER

WELL CONSTRUCTION

842.022 WELL DRILL CONSTRUCTOR

LANDOWNER'S PERMIT

OTHER (IDENTIFY)

EXAM FEE

\$

\$

\$

EXAM FEE

\$

842.002

842.004

842.006

842.023

842.024

RECORD FEE

\$

\$

\$

LICENSE FEE

\$

\$

06-00-0 WELL CONST START FEE

842.013 WELL CONST START FEE

MONITORING WELLS

\$

\$

CARD #

CARD #

45-00-0 LOTTERY PROCEEDS

864.000 LOTTERY PROCEEDS

\$

07-00-0 HYDRO ACTIVITY

LIC NUMBER

842.011 POWER LICENSE FEE(FW/WRD)

842.115 HYDRO LICENSE FEE(FW/WRD)

\$

\$

HYDRO APPLICATION

\$

RECEIPT # 106525

DATED: 11-3-95

BY: [Signature]

Distribution—White Copy-Customer, Yellow Copy-Fiscal, Blue Copy-File, Buff Copy-Fiscal

WaterWatch

O F O R E G O N

August 13, 1991

Mike Mattick
Applications & Permits Section
Water Resources Department
3850 Portland Road N.E.
Salem, Oregon 97310

Re: Ground Water Application #G 12579, Crooked River Ranch Water Co., 5 cfs, Quasi-municipal, Crooked River Basin, Jefferson County.

Dear Mr. Mattick:

We are concerned about the possible adverse effects of this proposed withdrawal of ground water on the Crooked River. Where within the basin is this proposed withdrawal located? Is the ground water source hydrologically connected to flows in the Crooked River or any of its tributaries?

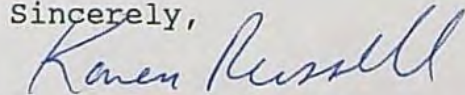
The Crooked River has moderate to severe withdrawal problems which are causing stream quality problems. Segments of the Crooked River are Water Quality Limited for bacteria, solids and nutrients. The river is so polluted it is currently unable to support designated beneficial uses. If the proposed use of ground water further depletes the Crooked River's flows, it will also exacerbate water quality problems in the River. If this is the case, this application will probably not be in the public interest.

In addition, the Crooked River is a tributary of the Deschutes scenic waterway. If the proposed source of ground water effects Crooked River flows it will also effect Deschutes River flows. If so, a permit can be issued only if the Department determines that there is water available for this use without adversely affecting the recreational flows for the Deschutes scenic waterway.

Finally, the Department's water availability analysis finds that generally there is no water available for surface water withdrawals between June and October. If this proposed use effects surface water flows, any permit issued must be conditioned upon surface water availability.

Thank you. Call if you have any questions.

Sincerely,



Karen Russell
Legal Affairs Coordinator

c. Jim Myron

October 11, 1991

Crooked River Ranch Water Company
P.O. Box 879
Crooked River Ranch, Oregon 97760

REFERENCE: File G-12579

Your application for a permit to use the public waters has been reviewed.

A "draft" permit is enclosed for your consideration. In the preparation of this draft permit, our staff has considered any public or agency comments received, as well as all pertinent Oregon laws, administrative rules and Commission policies.

We are now ready to recommend the issuance of a permit approving your request to use water. The draft permit enclosed contains all of the conditions and limitations that would appear on your permit, if issued.

Please review the draft permit carefully. If you are satisfied that the draft adequately describes your proposed use of water, and the terms are acceptable to you, please sign the draft copy in the spaces(s) provided and return it to us within 30 days. When we receive your signed draft, we will issue your permit as quickly as possible.

If you do not agree with, or cannot accept one or more of the terms or conditions as stated in the enclosed draft, you should advise us immediately. In this event, we will then advise you of any options which may be available to you.

If you have any questions, please contact the Water Rights Section at 378-3066.

enclosure

311



3850 Portland Rd NE
Salem, OR 97310
(503) 378-3739
FAX (503) 378-8130

DRAFT

STATE OF OREGON
COUNTY OF JEFFERSON AND DESCHUTES
PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

CROOKED RIVER RANCH WATER COMPANY
P.O. BOX 879
CROOKED RIVER RANCH, OREGON 97760

503-548-8939

to use the waters of WELLS 2 & 3 in the CROOKED RIVER BASIN for QUASI-MUNICIPAL USE.

This permit is issued approving Application G-12579. The date of priority is JUNE 18, 1991. The use is limited to not more than 5.0 CUBIC FEET PER SECOND (CFS), BEING 2.5 CFS FROM EACH WELL, or its equivalent in case of rotation, measured at the well.

The wells are located as follows:

NW 1/4 NW 1/4, SW 1/4 SE 1/4, SECTION 24, T 13 S, R 12 E, W.M.; WELL 2 - 680 FEET SOUTH AND 780 FEET EAST FROM NW CORNER, SECTION 24, WELL 3 - 80 FEET NORTH AND 480 FEET EAST FROM S 1/4 CORNER, SECTION 24.

The use shall conform to such reasonable rotation system as may be ordered by the proper state officer.

A description of the proposed place of use under this permit is as follows:

NW 1/4 NW 1/4
S 1/2 SW 1/4
SECTION 4
E 1/2 NE 1/4
SE 1/4 SW 1/4
SE 1/4
SECTION 5
NE 1/4
NE 1/4 NW 1/4
SECTION 8
NW 1/4 NW 1/4
S 1/2 NW 1/4
S 1/2
SECTION 9
S 1/2 NW 1/4
SW 1/4
S 1/2 SE 1/4
SECTION 10
SW 1/4 SW 1/4
SECTION 13
SW 1/4 NE 1/4
NW 1/4 NW 1/4
S 1/2 NW 1/4
S 1/2
SECTION 14
ALL
SECTION 15
ALL
SECTION 16
E 1/2 NE 1/4
E 1/2 SE 1/4
SECTION 17
N 1/2
SECTION 21

DRA

PAGE TWO

N 1/2
NW 1/4 SW 1/4
N 1/2 SE 1/4
SE 1/4 SE 1/4
SECTION 22
NE 1/4
E 1/2 NW 1/4
E 1/2 SW 1/4
SE 1/4
SECTION 23
NW 1/4
S 1/2
SECTION 24
ALL
SECTION 25
ALL
SECTION 26
E 1/2
N 1/2 NW 1/4
SE 1/4 NW 1/4
NE 1/4 SW 1/4
S 1/2 SW 1/4
SECTION 27
N 1/2 NE 1/4
SW 1/4 NE 1/4
NW 1/4
E 1/2 SW 1/4
SE 1/4
SECTION 34
ALL
SECTION 35
N 1/2 NE 1/4
SW 1/4 NE 1/4
W 1/2
SE 1/4
SECTION 36
TOWNSHIP 13 SOUTH, RANGE 12 EAST, W.M.

S 1/2 SW 1/4
SW 1/4 SE 1/4
SECTION 31
TOWNSHIP 13 SOUTH, RANGE 13 EAST, W.M.

N 1/2 NE 1/4
N 1/2 NW 1/4
SW 1/4 NW 1/4
SECTION 1
N 1/2 NE 1/4
SE 1/4 NE 1/4
W 1/2 SW 1/4
SE 1/4 SW 1/4
SECTION 2
ALL
SECTION 3
NW 1/4 NW 1/4
SECTION 11
TOWNSHIP 14 SOUTH, RANGE 12 EAST, W.M.

NW 1/4 NE 1/4
N 1/2 NW 1/4
SECTION 6
TOWNSHIP 14 SOUTH, RANGE 13 EAST, W.M.

Within one year from the date the Water Resources Commission adopts rules describing the schedules, standards and procedures for water conservation management plans by water suppliers, Crooked River Ranch Water Company shall submit a plan which is consistent with said rules.

DRAFT

PAGE THREE

Within one year of permit issuance, Crooke River Ranch Water Company shall prepare a plan/timetable for the Water Resources Commission which shall indicate the steps which the Water Company intends to pursue to obtain a long-term water supply.

The wells shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works shall be equipped with a usable access port, and may also include an air line and pressure gauge adequate to determine water level elevation in the wells at all times. When required by the department, the permittee shall install and maintain a weir, meter, or other suitable measuring device, and shall keep a complete record of the amount of ground water withdrawn.

Prior to receiving a certificate of water right, the permit holder shall submit the results of a pump test meeting the department's standards, to the Water Resources Department. The Director may require water level or pump test results every ten years thereafter.

Actual construction work shall begin on or before , and shall be completed on or before October 1, 1993. Complete application of the water shall be made on or before October 1, 1994.

Failure to comply with any of the provisions of this permit may result in action including, but not limited to, restrictions on the use, civil penalties, or cancellation of the permit.

This permit is for beneficial use of water without waste. The water user is advised that new regulations may require use of best practical technologies or conservation practices to achieve this end.

By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

The use of water shall be limited when it interferes with any prior surface or ground water rights.

Issued this date, .

Water Resources Department
William H. Young
Director

I\We, _____, hereby understand and agree that this draft permit describes the full extent of water use that will be allowed approving Application G-12579. By signature below, I\We agree to the proposed terms and conditions for this draft permit.

Signature\Title Date

Signature\Title Date

Application G-12579	Water Resources Department	PERMIT G-
Basin 5	Volume 2 Crooked River & Misc.	District 11
G-12579.SCB	MGMT.CODE 4FR	



Application No. G-12579

Permit No. G11376

Department of Human Resources

HEALTH DIVISION

1400 SW 5th AVENUE, PORTLAND, OREGON 97201

February 19, 1991

RECEIVED

JUN 18 1991

WATER RESOURCES DEPT.
SALEM, OREGON

(503) 229-6307

TDD-NONVOICE: (503) 229-5497

Ken Wolf
Crooked River Ranch
P.O. Box 1388
Crooked River Ranch, OR 97760

Dear Mr. Wolf:

RE: Water Sanitary Survey
Jefferson County

On January 24, 1991 a field visit was conducted for the enclosed sanitary survey. Please review the survey and inform me if there are any corrections needed.

The overall system appears to be in good repair and operated very well.

The following requirements and recommendations are based on the field inspection and a review of the records.

1. According to the new Total Coliform Rule, you are required to identify your routine and repeat sampling location in a sampling plan. The plan will be reviewed on a future visit.
2. Monitoring for radiological contaminants shall be completed for well #3.
3. Monitoring shall be conducted for sodium and corrosivity for both sources.
4. Because of population change, bacteria sampling is increased to 2 per month.
5. It is recommended that you seal the holes in the pump bases.
6. It is recommended that you contact a professional engineer to revise the master plan for your system.

AN EQUAL OPPORTUNITY EMPLOYER

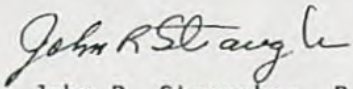
Mailing Address: P.O. Box 231, Portland, OR 97207

Emergency Phone Voice (503) 229-5599 — TDD-Nonvoice (503) 252-7978

Ken Wolf
February 19, 1991
Page 2

Thank you for your assistance in preparing this report. If you have any questions call.

Sincerely,

A handwritten signature in cursive script, reading "John R. Straughan".

John R. Straughan, P.E.
Regional Manager
Drinking Water Section

JRS:jc

cc: Jefferson County Health Department



Application No. 6-12579

Permit No.

Department of Human Resources

HEALTH DIVISION

1400 SW 5th AVENUE, PORTLAND, OREGON 97201

RECEIVED

JUN 18 1991

WATER RESOURCES DEPT.
SALEM, OREGON

(503) 229-6310

TDD-NONVOICE: (503) 229-5497

COMPLIANCE STATUS REPORT

To: U.S. BANCORP MORTGAGE

ATTN: TERESA

103 N.W. OREGON AVENUE

BEND, OR 97701

P.W.S. Name: CROOKED RIVER RANCH

System ID #: 4100862

County: JEFFERSON

A review of our records at your request, indicates this water system is ☒ in compliance, ☐ not in compliance with the Drinking Water Quality Standards of the Oregon State Health Division.

I. Water Quality Compliance:

Contaminant Type

1. Microbiological

2. Inorganic Chemicals

3. Organic Chemicals

4. Turbidity

5. Radiological

6. VOC's (Volatile Organic Chemicals)

A. Monitoring Current

Yes

No

B. Complied with MCL

Yes

No

II. Plan Review

1. ☒ Existing water system constructed before August 21, 1981:
Not Applicable.

2. ☐ New water system constructed after August 21, 1981:

☐ Plans Received Date: _____

☐ Plans Approved Date: _____

☐ Plans Not Approved Date: _____

☐ Certification Received Date: _____

Reasons for non-compliance are: _____

PREPARED BY: Mary Galloway

Date: 3/4/91

FOR: Dave E. Leland, P.E., Manager
Drinking Water Section

cc: Water System
County Health Dept.

Water System File
Reading File

AN EQUAL OPPORTUNITY EMPLOYER

Mailing Address: P.O. Box 231, Portland, OR 97207

Emergency Phone Voice (503) 229-5599 — TDD-Nonvoice (503) 252-7978

Permit No.

SANITARY SURVEY REPORT
OREGON HEALTH DIVISION
DRINKING WATER PROGRAM
COMMUNITY WATER SYSTEMS

SUPPLY NAME: CROOKED RIVER RANCH
ID NUMBER : 4100862
COUNTY : JEFFERSON
SURVEYED BY: JOHN STRAUGHAN
DATE : 1/24/90

RECEIVED
JUN 18 1991
WATER RESOURCES CENT.
SALEM, OREGON

Sheets Attached:

- | | |
|--|--|
| ☐ Narrative Summary/Recommendations | ☐ Storage/Distribution |
| ☐ Inventory Master Data | ☐ Booster Pumps/Production Data |
| ☐ Water System Schematic | ☐ Certification |
| ☐ Location Map(s) | ☐ Monitoring/Water Quality |

Additional Attachments:

WELL LOGS, CODE SHEETS

Narrative Summary:

Crooked River Ranch is a community system in Jefferson county bounded by the Deschutes River, the Crooked River and Deschutes county. The water system relies on an 800 gpm well for their source and the golf course well as an emergency source. There are two reservoirs which have a combined volume of 800,000 gallons. The water system was started as a development about 1973, Therefore system is relatively new and in good repair.

Requirements/Recommendations:

REQUIREMENTS:

1. Prepare a sampling plan for the water system.
2. Complete monitoring for radiological contaminants, sodium and corrosivity as per monitoring section.

RECOMMENDATIONS:

1. Seal holes in well pump bases.
2. Contact a professional engineer to prepare a master plan for the water system.

INVENTORY MASTER INFORMATION

SUPPLY NAME: CROOKED RIVER RANCH
ID NUMBER : 4100862

Date of Last Survey:	(MM/DD/YY)	7/30/86
System Type:		C
Ownership of System:	(1,2,3,4,5)	2
Population Served:	(Total Number)	1200
Number of Connections:	(Total Number)	600
Twelve-Month Period:		T
Year-Round Residents		Y
Primary Service Characteristic:	(R,T,S,O)	R
Secondary Service Characteristic:	(1,2,3,4,5,6,9)	4
Number of Sources:	(Total Number)	2
Counties Served (Refer to Codes):	(___/___/___)	16
Emergency Systems Available (Name & ID Number):		
PWS _____	(41_____)	-
PWS _____	(41_____)	-
PWS _____	(41_____)	-
Percent Ground:	(%)	100
Percent Surface:	(%)	-
Percent Purchased Ground:	(%)	-
Percent Purchased Surface:	(%)	-
Active:	(Y/N)	Y
Activate Date	(MM/DD/YY)	-
Deactivate Date	(MM/DD/YY)	-
Deactivate Reason:	(A,C,D,M,N,O,P,R,S,U,O)	-
Number of Tanks in Supply:	(Total Number)	2
Number of Gallons in Storage:	(Total Number)	800,000

Mailing Address

City/State/Zip

Contact Name/Phone

Comments

PO BOX 1388

CROOKED RIVER RANCH, OR 97760

KEN WOLF 923 1041

OPERATOR

Legal (Owner) Address

City/State/Zip

Contact Name/Phone

Comments

PO BOX 1388

CROOKED RIVER RANCH, OR 97760

DICK BROWNLEY

CHAIRMAN WATER ASSOCIATION

Supply Address

City/State/Zip

Contact Name/Phone

Comments

SAME

SOURCE DATA

(Sources for Individual Compliance Monitoring)

Source ID	Source Name	Type	Seller	Status	VOC	SOC	SWI
A	WELL #2	G	41	P	Y	-	N
B	WELL #3	G	41	E	Y	-	N
C			41				
D			41				

* (S)urface/(G)round/(P)urchased Surface/(W)urchased Ground

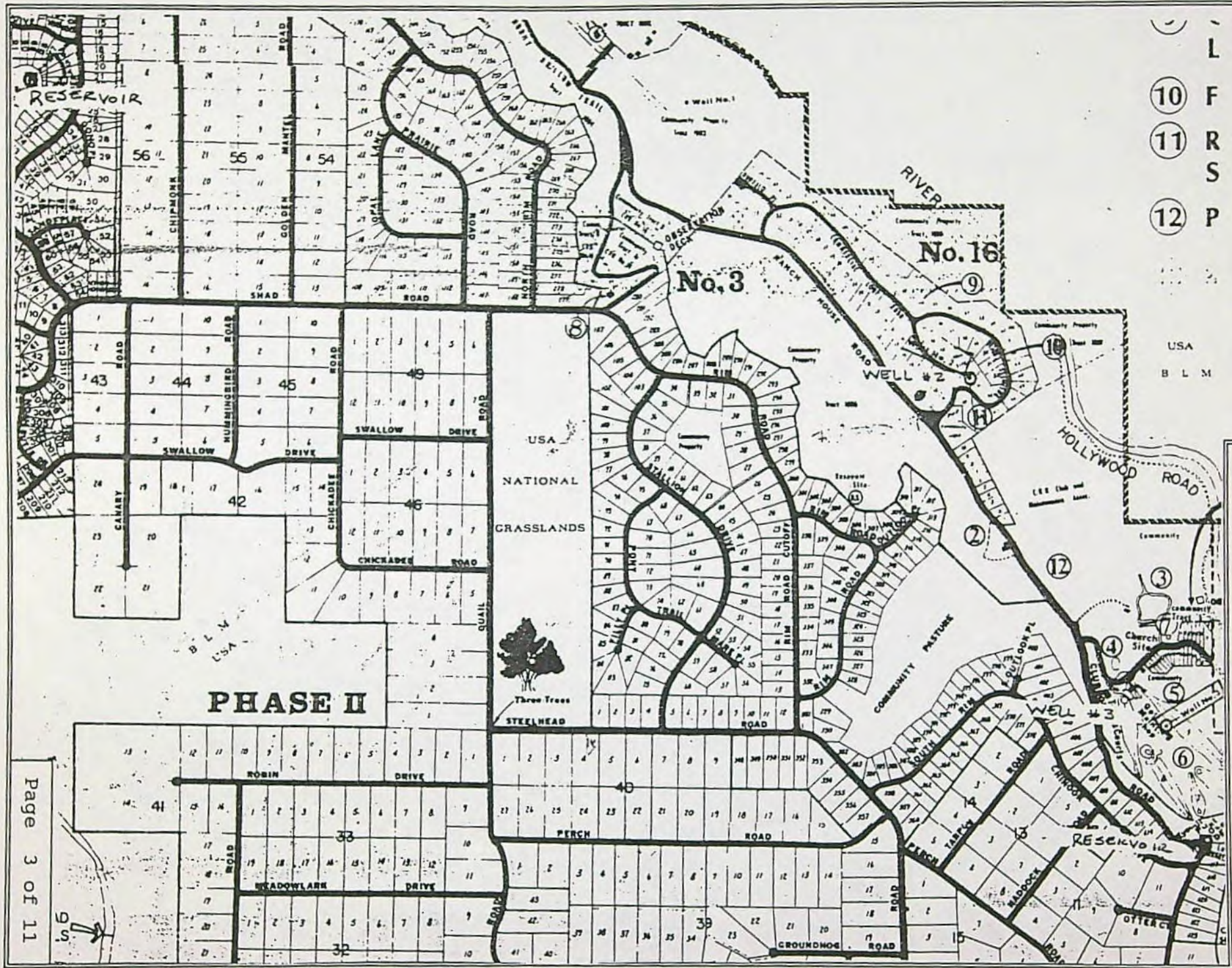
** (P)ermanent/(S)easonal/(E)mergency/(O)ther/(I)nterim

*** Vulnerability to Contamination - (Y)es/(N)o

VOCs/SOCs/Surface Water Influence

Page 2 of 11

- 10 L
- 11 F
- 12 R
- 13 S
- 14 P



LOCATION MAP (USGS QUAD SHEET)

SUPPLY NAME: CROOKED RIVER RANCH
ID NUMBER : 4100862

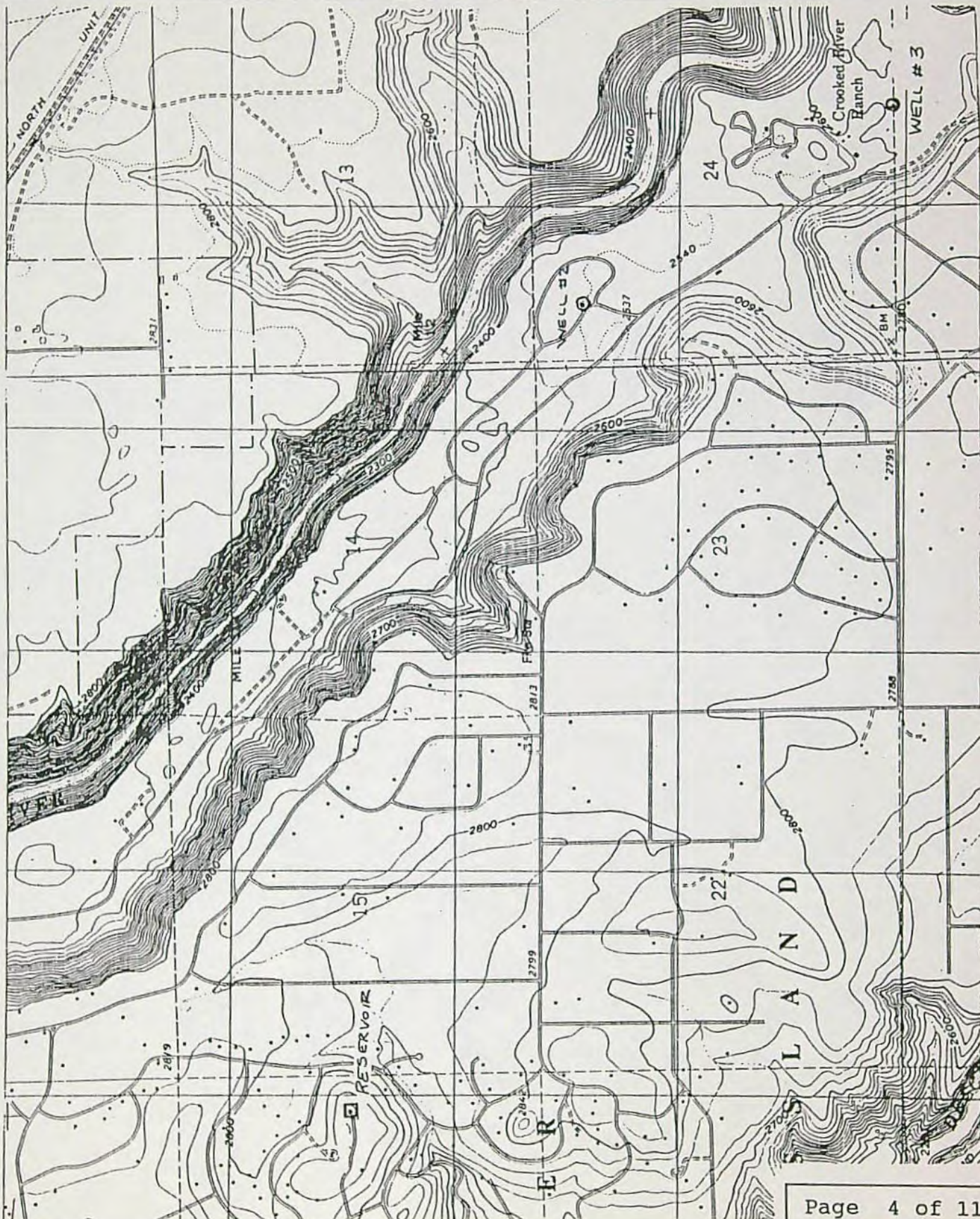
Quadrangle Map

USGS Map Name - OPAL CITY, OREG

USGS Map Number - 44121-D2-TF-024

STEELHEAD FALLS, OREG

44121-D3-TF-024



SOURCE OF SUPPLY - WELL

SUPPLY NAME: CROOKED RIVER RANCH
ID NUMBER : 4100862

Source ID/Detail ID - Well Detail Name

A	A	WELL #2
B	A	WELL #3

Well Data:

		A	B
Source ID Letter:		A	B
Detail ID Letter:		A	A
Well/Spring/Stream:		W	W
Source/Detail Status:	(P/S/E/O/I)	P	E
Treatment Objective/Process:	()	A	A
Treatment Objective/Process:	()	-	-
Treatment Objective/Process:	()	-	-
Treatment Objective/Process:	()	-	-
Capacity:	(GPM)	3000	2500
Latitude: Degrees	()	44	44
Minutes	()	26	25
Seconds	()	05	20
Longitude: Degrees	()	123	123
Minutes	()	14	14
Seconds	()	48	10
Location Map Included (USGS):	(Y/N)	Y	Y
Well Log Attached:	(Y/N)	Y	N
Depth of Well:	(FT.)	429	494
Year of Installation:	(19)	-	49
Casing Diameter:	(IN.)	16	16
Grout Seal:	(Y/N)	Y	Y
Gravel Pack:	(Y/N)	N	N
Openings - Screens/Slots/Torch:	(S/L/T)	-	-
Length of Open Interval:	(FT.)	28	35
Depth to Top of Intake:	(FT.)	353	307
Water Level Device:	(Y/N)	Y	Y
Static Water Level:	(FT.)	280	286
Pumping Water Level:	(FT.)	282	288
Comments:			

Pump Data:

		VT	VT
Pump Type:	(VT, SU, CE, SJ, DJ, OT)	VT	VT
Pump Setting:	(FT.)	319	380
Capacity:	(GPM)	800	475
At TDH:	(FT.)	580	570
Discharge Pressure:	(PSI)	105	80
Horsepower:	(HP)	150	100
Date Pump Pulled:	(19)	-	-
Bearing Lubrication - (Oil/Water):	(O/W)	W	W
Pump Base Sealed:	(Y/N)	Y	Y
Comments:			

SOURCE OF SUPPLY - WELL

SUPPLY NAME: CROOKED RIVER RANCH
ID NUMBER : 4100862

Wellhead Data:

Well House:	(Y/N)	Y	Y		
Pitless Adapter or Unit:	(Y/N)	N	N		
Slab:	(Y/N)	Y	N		
Heated/Lighted:	(Y/N)	Y	Y		
Casing Above Grade - (12 in.):	(Y/N)	Y	Y		
Subject to Flooding:	(Y/N)	N	N		
Sanitary Well Seal:	(Y/N)	Y	Y		
Casing Vent:	(Y/N)	Y	Y		
Pump to Waste Piping:	(Y/N)	Y	Y		
Check Valve:	(Y/N)	Y	Y		
Air/Vacuum Relief:	(Y/N)	Y	Y		
Flow Meter:	(Y/N)	Y	Y		
Sampling Tap - Raw:	(Y/N)	Y	Y		
Sampling Tap - Treated:	(Y/N)	N	N		
Chemical Feed Tap:	(Y/N)	N	N		
Chemical Feed Electrical Outlet:	(Y/N)	N	N		
Floor Drain:	(Y/N)	Y	N		
Pressure Gage:	(Y/N)	Y	Y		
Pump Removal Provision:	(Y/N)	Y	Y		

Comments:

Holes in pump base of both pumps should be plugged.

Source Protection:

Site Protection (Immediate):

Required	(FT.)	100	100		
Available	(FT.)	100	100		
Control - None/Owned/Easement	(N/O/E)	O	E		

Recharge Area Protection - (See Map):

Aquifer Characteristics:

Recharge Area - (SQ MI)	(____)	-	-		
Consolidated/Unconsolidated	(C/U)	C	C		
Artesian/Water Table	(A/W)	Y	Y		
Geologic Barrier	(Y/N)	N	N		
Grout Seal into Confining Layer	(Y/N)	Y	Y		

Protection Zone:

Distance Considered - (None = 0)	(FT.)	4000	4000		
Land Use Codes in Zone	(A-M)	C	B		
Ownership of Zone (Refer to Codes)	(__)	2	2		
Zone Status - None/Prelim/Final	(N/P/F)	P	P		

Vulnerable to Contamination:

VOCs	(Y/N)	Y	Y		
SOCs	(Y/N)	-	-		
Surface Water Influence	(Y/N)	N	N		

Sensitivity to Contamination:

High/Low/None	(H/L/N)/(O/I/M/P/T)	L	B		
Org/Inorg/Micro/Pesti/Turbi		B	B		

Comments:

A restroom is located 50 feet from well #3. Well #3 is located at the golf course.

Comments: Vulnerability is based on the minimum well seals (20 feet), presumed continuity of the permeable zones in the basalts, and the high pumping rates which may capture contaminants from up gradient.

STORAGE/DISTRIBUTION

SUPPLY NAME: CROOKED RIVER RANCH
ID NUMBER : 4100862

Storage ID No.	Name	Material (C/S/W/O)	Con. Date (YEAR)	Volume (GAL)
-------------------	------	-----------------------	---------------------	-----------------

1	CLUB HOUSE ROAD	C	74	100,000
2	HIGH CONE DR	S	77	700,000
3				
4				
5				
6				

Total Volume of Storage:

800,000

Storage Details:

Storage ID Number:

Type:

Ground Level Tank

(Y/N)

1

2

Y

Y

Elevated Tank

(Y/N)

N

N

Pressure Tank

(Y/N)

N

N

Hatch:

Locked

(Y/N)

Y

Y

Watertight

(Y/N)

Y

Y

Curbing

(Y/N)

Y

Y

Features:

Used for Contact Time

(Y/N)

N

N

Separate Inlet/Outlet

(Y/N)

Y

N

Drain to Daylight

(Y/N)

Y

Y

Flap Valve

(Y/N)

Y

Y

Overflow

(Y/N)

Y

Y

Screened Vent

(Y/N)

Y

Y

Fence/Gate

(Y/N)

Y

N

Water Level Gage

(Y/N)

N

Y

Bypass Piping

(Y/N)

Y

Y

Cathodic Protection

(Y/N)

N

N

Maintenance:

Painting

(Y/N)

N

Y

Approved Coating

(Y/N)

Y

Y

Routine Cleaning

(Y/N)

Y

Y

Routine Inspection

(Y/N)

Y

Y

Comments:

Reservoir #2 is scheduled to be cleaned and inspected this spring.

Distribution:

Adequate Pressure (20 psi):

(Y/N)

N

Depth of Cover Adequate:

(Y/N)

Y

Blow Offs or Hydrants:

(Y/N)

Y

Flushing and Inspection:

(Y/N)

Y

Piping Looped:

(Y/N)

Y

Adequate Valving:

(Y/N)

Y

Valve Location and Turning:

(Y/N)

Y

Individual Booster Pumps:

(Y/N)

N

Master Plan on File:

(Y/N)

N

Plan Review Waiver:

(Y/N)

N

Comments:

BOOSTER PUMPS/PRODUCTION DATA
SUPPLY NAME: CROOKED RIVER RANCH
ID NUMBER : 4100862
Booster Pump ID

No.	Location in System	HP	GPM	Suc/Dis PSI	Aux Power (Y/N)
1	CLUB HOUSE RD RESERVOIR	15	125	96	N
2	CLUB HOUSE RD RESERVOIR	25	250	96	N
3	CLUB HOUSE RD RESERVOIR	25	250	96	N
4	CLUB HOUSE RD RESERVOIR	--	75	96	Y
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:
Production Data:

Year	Maximum Day (GPD)	Average Day (GPD)
------	-------------------	-------------------

90	530,900	262,900
86	496,400	193,000
83	463,750	202,000
82		172,000

Capacity Needed:
(GPM) 370
Capacity Available:
(GPM) 1270
Capacity With Largest Unit Out of Service:
(GPM) 470
Capacity Under Standby Power:
(GPM) -
Comments:

CERTIFICATION**SUPPLY NAME: CROOKED RIVER RANCH**
ID NUMBER : 4100862**Cross Connection Control Program:**

Responsible Person/Department:

Name

Department

KEN WOLF

WATER

Name of Certified Inspector(s):

KEN WOLF INSPECTOR
KEN WOLF TESTER**Program Information:**

Inspections/Reinspections

(Y/N)

Y

Annual Device Testing - (Certified Tester)

(Y/N)

Y

Record Keeping

(Y/N)

Y

Comments:

Operator Certification:

Classification Needed for System:

Water Treatment - (WT 1-4)

(Level)

Water Distribution - (WD 1-4)

(Level)

-

WD-1

Name/Certification:

Name

(WT#) (WD#)

KEN WOLF

1

Comments:

MONITORING/WATER QUALITY

SUPPLY NAME: CROOKED RIVER RANCH
ID NUMBER : 4100862 A

Monitoring and Water Quality:

Parameter	Required Frequency	Current (Y/N)	Met MCLs (Y/N)	Date of Next Test (_NOW_)
Coliform Bacteria	2/MONTH	Y	Y	
Turbidity	-	-	-	
Secondary Corrosivity	NONE ONCE			
Inorganics	3 YEARS	Y	Y	9/2/92
Organics	-	-	-	-
Radionuclides	4 YEARS	Y	Y	10/5/91
VOC - Regulated	3 YEARS	Y	Y	BY 4/93
VOC - Unregulated	3 YEARS	Y	Y	BY 4/93
SOC - Regulated	-	-	-	-
SOC - Unregulated	-	-	-	-
THMs	-	-	-	-
Sodium	3 YEARS	-	-	NOW

Laboratories Used:

Name

Lab Number

CENTURY TESTING LAB

Comments:

1. With population change bacteria sampling is increased to 2 samples per month.
2. Sampling for sodium and corrosivity should be completed during your next scheduled inorganic chemical analysis.

MONITORING/WATER QUALITY

SUPPLY NAME: CROOKED RIVER RANCH
ID NUMBER : 4100862 B

Monitoring and Water Quality:

Parameter	Required Frequency	Current (Y/N)	Met MCLs (Y/N)	Date of Next Test (_NOW_)
Coliform Bacteria	2/MONTH	Y	Y	
Turbidity	-	-	-	
Secondary Corrosivity	NONE ONCE			
Inorganics	3 YEARS	Y	Y	9/7/91
Organics	-	-	-	-
Radionuclides	4 YEARS	N	N	NOW
VOC - Regulated	3 YEARS	Y	Y	BY 4/93
VOC - Unregulated	3 YEARS	Y	Y	BY 4/93
SOC - Regulated	-	-	-	-
SOC - Unregulated	-	-	-	-
THMs	-	-	-	-
Sodium	3 YEARS	-	-	NOW

Laboratories Used:

Name

Lab Number

CENTURY TESTING LAB

Comments:

1. Sampling shall be completed for radiological contaminants.
2. Sampling for sodium and corrosivity should be completed during your next scheduled inorganic chemical analysis.

GRR WELL LOG

WELL NO. 2

NOT TO SCALE

AUTO
TRANSFORM
START

1'-2' TOPSOIL
 2'-4' GREY LIMESTONE
 4'-28' MEDIUM HARD BLACK ROCK
 28'-33' RAVELING RED ROCK
 33'-39' SOFT BLACK ROCK
 39'-48' HARDER BLACK ROCK
 48'-56' SOFT RED ROCK
 56'-61' HARDER BLACK ROCK
 61'-69' BLACK ROCK, CREVICES
 69'-78' HARDER BLACK ROCK
 78'-83' HARD GREY ROCK

83'-119' MEDIUM HARD BLACK ROCK

119'-187' GREY SANDSTONE WITH BOULDERS

187'-193' SOFT YELLOW ROCK
 193'-206' SOFT POROUS BLACK ROCK
 206'-224' CEMENTED GRAVEL
 224'-229' YELLOW SAND, CLAY & GRAVEL
 229'-242' MEDIUM HARD BROWN ROCK
 242'-244' SOFT RED ROCK
 244'-262' MEDIUM HARD BROWN ROCK
 262'-265' SOFT YELLOW ROCK
 265'-276' FAIRLY SOFT GREY ROCK

276'-308' HARD GREY ROCK

308'-312' SOFT GREY ROCK
 312'-316' HARD GREY ROCK
 316'-323' SOFTER GREY ROCK
 323'-326' SOFT POROUS BLACK ROCK
 326'-338' MEDIUM HARD GREY ROCK
 338'-341' HARDER GREY ROCK
 341'-347' SOFT BLACK ROCK
 347'-353' HARD BLACK ROCK
 353'-357' SOFT POROUS BLACK ROCK - WATER
 357'-361' SOFT GREY ROCK CREVICES

S
N07

83'-119' MEDIUM HARD BLACK ROCK →

119'-187' GREY SANDSTONE WITH BOULDERS →

187'-193' SOFT YELLOW ROCK →

193'-206' SOFT POROUS BLACK ROCK →

206'-224' CEMENTED GRAVEL →

224'-229' YELLOW SAND, CLAY & GRAVEL →

229'-242' MEDIUM HARD BROWN ROCK →

242'-244' SOFT RED ROCK →

244'-262' MEDIUM HARD BROWN ROCK →

262'-265' SOFT YELLOW ROCK →

265'-276' FAIRLY SOFT GREY ROCK →

276'-308' HARD GREY ROCK →

308'-312' SOFT GREY ROCK →

312'-316' HARD GREY ROCK →

316'-323' SOFTER GREY ROCK →

323'-326' SOFT POROUS BLACK ROCK →

326'-338' MEDIUM HARD GREY ROCK →

338'-341' HARDER GREY ROCK →

341'-347' SOFT BLACK ROCK →

347'-353' HARD BLACK ROCK →

353'-357' SOFT POROUS BLACK ROCK - WATER →

357'-381' SOFT GREY ROCK, CREVICES →

381'-406' SOFT BROWN POROUS ROCK,
CARRYING WATER. →

406'-412' MEDIUM HARD GREY ROCK →

412'-413' VERY HARD GREY ROCK →

NOTES

1. REMOVE EXISTING 2" CONCRETE SLAB. INSTALL 6" CONCRETE SLAB WIT WIRE MESH REINFORCING.
2. EXTEND 16" Ø CASING 18" TO 21" TO PROVIDE 24" FROM TOP OF CASING FINISHED FLOOR SLAB, FULL DEPTH WBLD.
3. INSTALL 2" Ø WELL VENT WITH SCREENED RETURN BEND. WELD 2" Ø PIPE TO PLACEMENT OF NEW CONCRETE SUPPORT. (22)
4. INSTALL AIR LINE TO 620 FT. LEVEL. MOUNT DEPTH GAGE (READING IN FT. CF
5. DRILL EXISTING CONCS. SUPPORT & SET 8-3/4" x 12" STL DOWELS WITH EPOXY.
6. INSTALL 5" STL. RETURN LINE FROM PRESSURE RELIEF VALVE TO 10'

0---1ft.,	Top Soil.
1---11 ft.,	Porous black rock.
11--18 ft.,	Hard gray rock.
18--32 ft.,	Soft yellow rock.
32--44 ft.,	Hard gray rock.
44--51 ft.,	Soft red rock.
51--57 ft.,	Hard gray rock.
57--62 ft.,	Soft red rock.
62--71 ft.,	Very hard gray rock.
71--80 ft.,	Soft porous black rock.
80--122 ft.,	Hard gray rock.
122-126 ft.,	Soft gray rock.
126-133 ft.,	Porous black rock.
133-140 ft.,	Hard gray rock.
140-142 ft.,	Soft yellow clay.
142-153 ft.,	Porous black rock.
153-157 ft.,	Hard gray rock.
157-159 ft.,	Soft yellow rock.
159-169 ft.,	Cemented gravel, yellow binder.
169-173 ft.,	Large boulders.
173-183 ft.,	Hard gray rock.
183-188 ft.,	Cemented gravel, gray binder.
188-201 ft.,	Hard gray rock.
201-205 ft.,	Soft brown rock.
205-214 ft.,	Hard gray rock.
214-232 ft.,	Softer gray rock.
232-258 ft.,	Very hard gray rock.
258-261 ft.,	Soft gray rock.
261-279 ft.,	Crevices, hard gray rock.
279-289 ft.,	Porous gray rock.
289-307 ft.,	Hard gray rock.
307-313 ft.,	Soft gray rock, broken. Water-bearing formation.
313-324 ft.,	Harder gray rock, crevices. Bailing test at 318 ft. depth showed 10 g.p.m.
324-329 ft.,	Soft gray rock, broken. No porosity.
329-338 ft.,	Hard gray rock.
338-345 ft.,	Semi-porous black rock.
345-352 ft.,	Very hard gray rock.
352-356 ft.,	Soft porous gray rock, water-bearing.
356-372 ft.,	Hard gray rock.
372-387 ft.,	Soft brown rock, crevices.
387-394 ft.,	Med. hard gray rock.
394-401 ft.,	Soft porous black rock, water-bearing.
401-408 ft.,	Med. hard gray rock.
408-414 ft.,	Gray sandstone.
414-420 ft.,	Porous gray rock.
420-436 ft.,	Gray sandstone.
436-440 ft.,	Brown rock, med. hard.
440-451 ft.,	Porous red rock.
451-458 ft.,	Porous black rock.

13/17/75 ab

14

27-3
5
Log of well #46 drilled for A. Wardman, at Crooked River Ranch,
by R. J. Strasser Drilling Co., completed June 4, 1949.

458-461 ft.,	Hard gray rock.
461-463 ft.,	Softer gray rock.
463-466 ft.,	Gray sandstone.
466-476 ft.,	Porous gray rock.
478-492 ft.,	Very porous black rock, water-bearing.
492-494 ft.,	Hard black rock.

At depth of 438 ft., well was tested, maximum flow being
600 g.p.m., with 120 ft. draw-down.

At depth of 494 ft., total depth of well, test was as follows:

Static level---286 ft.

545 g.p.m.---287 ft.

1100 g.p.m.---288 ft., drawdown of 2 ft. from static level.

Surface pipe, 20 ft. of 16" O.D. pipe.

SANITARY SURVEY INVENTORY CODES - DRINKING WATER PROGRAM

Service Area Codes

Code		Description
Primary	Secondary	
R	1	Residential - City or Town
R	2	Residential - Mobile Home Park
R	3	Residential - Subdivision
R	4	Residential - Rural Residential
R	9	Residential - Other
T	1	Transient - Recreational
T	2	Transient - Service Station
T	3	Transient - Summer Camp
T	4	Transient - Restaurant, Tavern, or Grocery
T	5	Transient - Highway Rest Area
T	6	Transient - Hotel, Motel, or Bed & Breakfast
T	9	Transient - Other
S	1	Semi-Residential - School
S	2	Semi-Residential - Institutional
S	3	Semi-Residential - Medical Facility
S	4	Semi-Residential - Industrial or Agricultural
S	5	Semi-Residential - Day Care Center
S	9	Semi-Residential - Other
O	1	Other - Interstate Carrier
O	2	Other - Wholesaler (sells water)
O	9	Other - Other

County Codes

01 Baker	10 Douglas	19 Lake	28 Sherman
02 Benton	11 Gilliam	20 Lane	29 Tillamook
03 Clackamas	12 Grant	21 Lincoln	30 Umatilla
04 Clatsop	13 Harney	22 Linn	31 Union
05 Columbia	14 Hood River	23 Malheur	32 Wallowa
06 Coos	15 Jackson	24 Marion	33 Wasco
07 Crook	16 Jefferson	25 Morrow	34 Washington
08 Curry	17 Josephine	26 Multnomah	35 Wheeler
09 Deschutes	18 Klamath	27 Polk	36 Yamhill

37 Delegated Counties

Deactivation Reason Codes

Code	Reason
A	System abandoned
C	PWS exists but cannot contact
D	Duplicate PWS with another ID
M	System merged/consolidated
N	Not currently monitoring PWS
O	Other
P	System purged from inventory
R	PWS re-entered with new ID
S	System discontinued
U	Unqualified as a PWS
0(#)	Other

Land Use Codes

A	Forest (Pristine)
B	Irrigated Crops
C	Non-Irrigated Crops
D	Pasture
E	Light Industry
F	Heavy Industry
G	Urban Sewered Area
H	Rural On-Site Sewage
I	Urban On-Site Sewage
J	Rangeland
K	Managed Forest
L	Commercial
M	Recreational Use

Storage Type

G	Ground
E	Elevated
P	Pressure

Pump Codes

VT	Vert. Turbine	SJ	Shallow Jet
SU	Submersible	DJ	Deep Jet
CE	Centrifugal	OT	Other

SANITARY SURVEY INVENTORY CODES - DRINKING WATER PROGRAM

Owner Characteristic Codes

- 1 - Federal Government
- 2 - Private
- 3 - State Government
- 4 - Local Government
- 5 - Mixed Public/Private

System Type

- C - Community
- N - Non-community
- P - Non-transient/Non-community
- S - State

Disinfectant Codes

CH	Calcium Hypochlorite	CM	Chloramines	OZ	Ozone
SH	Sodium Hypochlorite	CG	Chlorine Gas	CD	Chlorine Dioxide
UV	Ultraviolet Radiation	OT	Other	NO	None

Recharge Area Formula

$$R = \left[\frac{(Q')(t)}{(\pi)(n)(H)} \right]^{1/2} = \left[\frac{70000 (Q'')(t)}{(\pi)(n)(H)} \right]^{1/2}$$

$$A = \left[3.6 \times 10^{-8} (\pi)(R)^2 \right]$$

- R - Recharge Area Radius (ft)
- A - Recharge Area (sq mi)
- Q' - Pumping Rate of Well (ft³/yr)
- Q'' - Pumping Rate of Well (gpm)
- t - Time Interval (yr)

Use Period of 5 yrs.

π - 3.1416

n - Aquifer Porosity

Average

Range

Unconsolidated Materials

Sand (0.35) .. (0.25 - 0.50)

Gravel (0.32) .. (0.25 - 0.40)

Sand and Gravel Mix (0.22) .. (0.10 - 0.35)

Consolidated Materials

Fractured Basalt (0.27) .. (0.05 - 0.50)

Sandstone (0.17) .. (0.05 - 0.30)

H - Open Interval or Length of Well Screen .. (ft)

6-12579

RECEIVED

JUL 01 1991

WATER RESOURCES DEPT.
SALEM, OREGON

Crooked River Ranch Water Company
P.O. Box 1388
Crooked River Ranch, Or. 97760

Water Resources Department
3850 Portland Rd. NE
Salem, Or. 97310

June 29, 1991

Dear Sir:

Please add the attached Land Use Information form, signed by Deschutes County Planning Department, to our application file.

Sincerely,

Shirley Harris

Shirley Harris, Secretary
Crooked River Ranch Water Company



Note to Local Governments

The person presenting the attached request for land use information is applying for a water right. The Water Resources Department requires its applicants to obtain land use information in order to meet its obligation to be compatible with comprehensive plans. The Department will not accept applications which do not include this completed land use information form or the receipt stub on the bottom of the attached form.

You have 60 days to fill out and return this form to the applicant or the Department. Otherwise the Department may proceed with processing the water right application without your input.

Besides land use information, there are many other submittal requirements for a water right application. If the applicant meets all these and pays a fee, the application is officially accepted. The Department is required to give public notice of all officially accepted applications.

Your county or city will receive a copy of this public notice. You will have 30 days to notify the Department of any concern, including conflicts between the proposed water use and your comprehensive plan. If you do not respond to the notice, the Department may presume that issuing the water right is compatible with your comprehensive plan.

Local governments are encouraged to take advantage of the 30 day notice period and use the 60 day land use information period, if needed, to gather documentation should there be a compatibility concern.

If you have any questions, please phone Roberta Jortner or Rick Bastasch at 378 - 3671.

Land Use Information Form: Permits, Hydroelectric Licenses, Water Uses In
Addition to Classified Uses

This information is needed to determine compatibility with local comprehensive plans as required by ORS 197.180. The Water Resources Department will use this and other information to evaluate the water use application. DO NOT FILL OUT THIS FORM IF water is to be diverted, conveyed, and/or used only on federal lands.

RECEIVED

JUL 01 1991

Applicant's Name: Crooked River Ranch Water Company
Address: P.O. Box 879
City: Crooked River Ranch State: OR Zip: 97760 Day Phone: 548-8939

WATER RESOURCES DE
SALEM, OREGON

Please provide information as requested below for all tax lots on or through which water will be diverted or used. (Attach extra sheets as necessary.) Applicants for municipal use, or irrigation uses within irrigation districts, may substitute existing and proposed service area boundaries for the tax lot information requested below.

Tax Lot or Local I.D.#	Plan Designation/Zoning (e.g. Rural Residential/RR-5)	Check All That Apply		
		Water Diverted	Water Conveyed	Water Use
			X	X

Please list all counties and cities within which water is proposed to be diverted, conveyed, and/or used: Deschutes and Jefferson Counties

The following section must be completed by a planning official from each county and city listed unless your project will be located entirely within city limits. In this case, only the city planning agency must complete this form. Please request extra forms as needed.

For Local Government Use Only

Local government planning officials are to complete the remainder of this form. If this form cannot be completed while the applicant waits, please sign and detach the receipt as instructed below. Please mail the completed form directly to the Water Resources Department (3850 Portland Rd. NE, Salem, OR, 97310) within 60 days of the date of receipt as shown below. If the form is not completed within 60 days, the Department may take action to approve the water use.

a) Check the appropriate box below and provide requested information.

- ☒ Land uses to be served by proposed water uses (including proposed construction) are allowed outright or are not regulated by your comprehensive plan. Cite applicable ordinance section(s): _____ Go to section b) on reverse side.

- ☐ Land uses to be served by proposed water uses (including proposed construction) involve discretionary land use approvals as listed in the table below. Note: Please attach documentation of applicable local land use approvals which have already been obtained. (Record of Action plus any accompanying findings is sufficient.)

[illegible]

2

Name: Nancy Kinard

Title: Assistant Planner

Date: 6/26/91
Phone: 388-6575

Signature: Neen Christ

Additional Comments:

[illegible]

Description of Water Use

Note to Applicant: This sheet will provide local planning staff with a basic description of your proposed water use. Please fill out this sheet before bringing the attached land use form to your local planning office. It will help local planning offices complete your land use information form quickly.

Note to Local Planning Officials: Please Initial this sheet. Do not separate it from the land use information form. If needed, please make a separate copy for your records.

RECEIVED

JUL 01 1991

WATER RESOURCES DEPT.
SALEM, OREGON

Applicant Name: Crooked River Ranch
Address: P.O. Box 879
Crooked River Ranch, OR 97760
Phone: 548-8939

Please indicate what you will use the water for. Check all boxes that apply and fill in the blanks with key characteristics of the project

- ☐ Irrigation (crop type, golf course, nursery or greenhouse): _____
- ☐ Livestock (type of livestock, feedlot, slaughterhouse): _____
- ☐ Residential (# units, single or multi-family, # lots if partition or subdivision): _____
- ☐ Commercial (i.e., retail, office, restaurant, gas station, hotel, service, etc.): _____
- ☐ Industrial (i.e., factory, pulp mill, research and development, processing, etc.): _____
- ☐ Institutional (i.e., school, library, etc.): _____
- ☐ Mining (aggregate, metal, open pit, placer, etc.): _____
- ☐ Recreation (park, campsite, pond, etc.): _____
- ☐ Fish and Wildlife (pond, hatchery, etc.): _____
- ☐ Hydropower (dam, reservoir, power generating or transmitting facilities): _____
- ☒ Other (Name and list key characteristics): Quasi-Municipal

Indicate sources for the proposed water use below:	Indicate the estimated quantity of water the use will require.
☐ Surface Water Name sources: _____ _____ _____	<u>5.0</u> Cubic feet per second. ____ Gallons per minute. ____ Acre-Feet
☐ Reservoir or pond	
☒ Ground Water	

Water Resources Department, 3850 Portland Rd. NE, Salem, OR 97310
Phone: 378-3671

Version: 8/30/90

Land Use Information Form: Permits, Hydroelectric Licenses, Water Uses In Addition to Classified Uses

RECEIVED
JUN 18 1991
WATER RESOURCES DEPT.
SALEM, OREGON

This information is needed to determine compatibility with local comprehensive plans as required by ORS 197.180. The Water Resources Department will use this and other information to evaluate the water use application. **DO NOT FILL OUT THIS FORM IF water is to be diverted, conveyed, and/or used only on federal lands.**

Applicant's Name: Crooked River Ranch
Address: P.O. Box 879
City: Crooked River Ranch State: OR Zip: 97760 Day Phone: 548-8939

Please provide information as requested below for all tax lots on or through which water will be diverted or used. (Attach extra sheets as necessary.) Applicants for municipal use, or irrigation uses within irrigation districts, may substitute existing and proposed service area boundaries for the tax lot information requested below.

Tax Lot or Local I.D.#	Plan Designation/Zoning (e.g. Rural Residential/RR-5)	Check All That Apply		
		Water Diverted	Water Conveyed	Water Use
		X	X	X

Please list all counties and cities within which water is proposed to be diverted, conveyed, and/or used. (Jefferson and Deschutes Counties)
The following section must be completed by a planning official from each county and city listed unless your project will be located entirely within city limits. In this case, only the city planning agency must complete this form. Please request extra forms as needed.

For Local Government Use Only

Local government planning officials are to complete the remainder of this form. If this form can not be completed while the applicant waits, please sign and detach the receipt as instructed below. Please mail the completed form directly to the Water Resources Department (3850 Portland Rd. NE, Salem, OR, 97310) within 60 days of the date of receipt as shown below. If the form is not completed within 60 days, the Department may take action to approve the water use.

a) Check the appropriate box below and provide requested information.

☒ Land uses to be served by proposed water uses (including proposed construction) are allowed outright or are not regulated by your comprehensive plan. Cite applicable ordinance section(s): _____ Go to section b) on reverse side.

☐ Land uses to be served by proposed water uses (including proposed construction) involve discretionary land use approvals as listed in the table below. Note: Please attach documentation of applicable local land use approvals which have already been obtained. (Record of Action plus any accompanying findings is sufficient.)

Type of Land Use Approvals Needed (e.g.: plan amendments, rezones, conditional use permits, etc.)	Cite Most Significant, Applicable Plan Policies & Ordinance Section References	Please check the box that applies:		
		Already Obtained	Already Denied	Being Pursued Satisfactorily

(over)

Receipt for Request for Land Use Information

WRD Applicant Name: _____

This receipt must be signed by a local government representative and returned to the applicant for inclusion in the WRD application IF the local government can not provide the above requested land use information while the applicant waits.

City or County: Jefferson County
Staff Contact: Chuck McInerney Phone: 415-3147
Signature: Chuck A. McInerney Date of Information Request: 6-13-91

(For Local Use Continued)

b) Please provide printed name and written signature.

Name: Charles A. McGowan
Title: Hopping Director

Date: 6-13-91
Phone: 475-3147

Signature: Charles A. McGowan

Local governments are invited to express special land use concerns or make recommendations to the Department regarding this proposed use of water below, or on a separate sheet. For additional information call Roberta Jortner or Rick Bastasch at 378-3671.

Additional Comments:

Lined area for additional comments.

Description of Water Use

Note to Applicant: This sheet will provide local planning staff with a basic description of your proposed water use. Please fill out this sheet before bringing the attached land use form to your local planning office. It will help local planning offices complete your land use information form quickly.

Note to Local Planning Officials: Please initial this sheet. Do not separate it from the land use information form. If needed, please make a separate copy for your records.

Applicant Name: Crooked River Ranch
 Address: P.O. Box 879
Crooked River Ranch, OR 97760
 Phone: 548-8939

Please indicate what you will use the water for. Check all boxes that apply and fill in the blanks with key characteristics of the project

- ☐ Irrigation (crop type, golf course, nursery or greenhouse): _____
- ☐ Livestock (type of livestock, feedlot, slaughterhouse): _____
- ☒ Residential (# units, single or multi-family, # lots if partition or subdivision): _____
- ☒ Commercial (i.e., retail, office, restaurant, gas station, hotel, service, etc.): _____
- ☐ Industrial (i.e., factory, pulp mill, research and development, processing, etc.): _____
- ☐ Institutional (i.e., school, library, etc.): _____
- ☐ Mining (aggregate, metal, open pit, placer, etc.): _____
- ☐ Recreation (park, campsite, pond, etc.): _____
- ☐ Fish and Wildlife (pond, hatchery, etc.): _____
- ☐ Hydropower (dam, reservoir, power generating or transmitting facilities): _____
- ☒ Other (Name and list key characteristics): Quasi-Municipal

Indicate sources for the proposed water use below:	Indicate the estimated quantity of water the use will require.
☐ Surface Water Name sources: _____ _____ _____	<u>5.0</u> Cubic feet per second. _____ Gallons per minute. _____ Acre-Feet
☐ Reservoir or pond	
☒ Ground Water	

MEMORANDUM

DATE: 9/3

TO: Application/ Permit Section

FROM: Groundwater Section by Sarah Meyer
(signature)

SUBJECT: Application # G-12579

The application referenced above and available data has been reviewed under the guidelines of the Director's policy memo of October 19, 1989.

We find that the proposed groundwater use falls within the following category:

 CATEGORY 1A - The proposed well will be located less than 1/4 mile from the nearest stream, and significant surface water interference will exist.

 CATEGORY 1B - The proposed well will be located less than 1/4 mile from the nearest stream, but significant surface water interference will not exist.

X CATEGORY 2A - The proposed well will be located more than 1/4 mile from the nearest stream, and significant surface water interference will not exist.

 CATEGORY 2B - The proposed well will be located more than 1/4 mile from the nearest stream, but significant surface water interference will exist at the nearest point on the stream.

REMARKS: _____

TO: Water Rights Section

9/3, 1991

FROM: Groundwater/Hydrology Section

Sarah Meyer

Reviewer's Name

SUBJECT: Application G- 12579

1. PER THE Deschutes Basin rules, one or more of the proposed POA's is within _____ mile of a surface water source and taps a groundwater source hydraulically connected to the surface water.
2. BASED UPON OAR 690-09 currently in effect, I have determined that the proposed groundwater use
- a. _____ will, or } have the potential for substantial interference with the nearest surface water
 - b. ☒ will not } source, namely Crooked River; or
 - c. _____ will, if properly conditioned, adequately protect the surface water from interference:
 - i. _____ The permit should contain condition #(s) _____;
 - ii. _____ The permit should contain special condition(s) as indicated in "Remarks" below;
 - iii. _____ The permit should be conditioned as indicated in item 4 below; or
 - d. _____ will, with well reconstruction, adequately protect the surface water from substantial interference.
3. BASED UPON available data, I have determined that groundwater for the proposed use
- a. _____ will, or }
 - b. _____ will not } likely be available in the amounts requested without injury to prior rights; or
 - c. _____ can, if properly conditioned, avoid injury to existing rights or to the groundwater resource;
 - i. _____ The permit should contain condition #(s) _____;
 - ii. _____ The permit should contain special condition(s) as indicated in "Remarks" below;
 - iii. _____ The permit should be conditioned as indicated in item 4 below.
4. a. _____ THE PERMIT should allow groundwater production from no deeper than _____ ft. below land surface;
- b. _____ The permit should allow groundwater production from no shallower than _____ ft. below land surface;
- c. _____ The permit should allow groundwater production only from the _____ groundwater reservoir between approximately _____ ft. and _____ ft. below land surface;
- d. _____ Well reconstruction is necessary to accomplish one or more of the above conditions.
- e. _____ One or more POA's commingle 2 or more sources of water. The applicant must select one source of water per POA and specify the proportion of water to be produced from each source.

REMARKS:

WELL CONSTRUCTION (If more than one well doesn't meet standards, attach an additional sheet.)

THE WELL which is the point of appropriation for this application does not meet current well construction standards based upon:

- a. ☐ review of the well log;
- b. ☐ field inspection by _____;
- c. ☐ report of CWRE _____;
- d. ☐ other: (specify) _____.

THE WELL construction deficiency:

- a. ☐ constitutes a health threat under Division 200 rules;
- b. ☐ commingles water from more than one groundwater reservoir;
- c. ☐ permits the loss of artesian head;
- d. ☐ permits the de-watering of one or more groundwater reservoirs;
- e. ☐ other: (specify) _____.

THE WELL construction deficiency is described as follows: _____

_____.

- THE WELL
- a. ☐ was, or } constructed according to the standards in effect at the time of
 - b. ☐ was not } original construction or most recent modification.
 - c. ☐ I don't know if it met standards at the time of construction.

RECOMMENDATION:

- A. ☐ I recommend including the following condition in the permit:
"No water may be appropriated under terms of this permit until the well(s) has been repaired to conform to current well construction standards and proof of such repair is filed with the Enforcement Section of the Water Resources Department."
- B. ☐ I recommend withholding issuance of the permit until evidence of well reconstruction is filed with the Enforcement Section of the Water Resources Department.
- C. ☐ REFER this review to Enforcement Section for concurrence.

THIS SECTION TO BE COMPLETED BY ENFORCEMENT PERSONNEL

I concur in G/H's recommendation A or B above relating to conditioning or withholding the permit.
_____, 1991.

(Signature)

I do not concur in G/H's recommendation A or B above relating to conditioning or withholding the permit for the following reasons: _____

_____.

_____, 1991.

(Signature)

(WRFORM8\91)

DRAFT

STATE OF OREGON
COUNTY OF JEFFERSON AND DESCHUTES
PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

CROOKED RIVER RANCH WATER COMPANY
P.O. BOX 879
CROOKED RIVER RANCH, OREGON 97760

503-548-8939

to use the waters of ~~TWO~~ ^{2#3} WELLS in the CROOKED RIVER BASIN for QUASI-MUNICIPAL. *me*

This permit is issued approving Application G-12579. The date of priority is JUNE 18, 1991. The use is limited to not more than 5.0 CUBIC FEET PER SECOND (CFS), BEING 2.5 CFS FROM EACH WELL, or its equivalent in case of rotation, measured at the well.

The wells are located as follows:

NW 1/4 NW 1/4, SW 1/4 SE 1/4, SECTION 24, T 13 S, R 12 E, W.M.; WELL 2 - 680 FEET SOUTH AND 780 FEET EAST FROM NW CORNER, SECTION 24, WELL 3 - 80 FEET NORTH AND 480 FEET EAST FROM S 1/4 CORNER, SECTION 24.

The use shall conform to such reasonable rotation system as may be ordered by the proper state officer.

A description of the proposed place of use under this permit is as follows:

NW 1/4 NW 1/4

S 1/2 SW 1/4

SECTION 4

E 1/2 NE 1/4

SE 1/4 SW 1/4

SE 1/4

SECTION 5

NE 1/4

NE 1/4 NW 1/4

SECTION 8

NW 1/4

S 1/2

SECTION 9

S 1/2 NW 1/4

SW 1/4

S 1/2 SE 1/4

SECTION 10

SW 1/4 SW 1/4

SECTION 13

SW 1/4 NE 1/4

NW 1/4 NW 1/4

S 1/2 NW 1/4

S 1/2

SECTION 14

ALL

SECTION 15

ALL

SECTION 16

E 1/2 NE 1/4

E 1/2 SE 1/4

SECTION 17

N 1/2

SECTION 21

NWNW
S 1/2 S 1/4 NW

0574

08909

N 1/2
 NW 1/4 SW 1/4
 N 1/2 SE 1/4
 SE 1/4 SE 1/4
 SECTION 22
 NE 1/4
 E 1/2 NW 1/4
 E 1/2 SW 1/4
 SE 1/4
 SECTION 23
 NW 1/4
 S 1/2
 SECTION 24
 ALL
 SECTION 25
 ALL
 SECTION 26
 ALL
 SECTION 27
 N 1/2 NE 1/4
 SW 1/4 NE 1/4
 NW 1/4
 E 1/2 SW 1/4
 SE 1/4
 SECTION 34
 ALL
 SECTION 35
 N 1/2 NE 1/4
 SW 1/4 NE 1/4
 W 1/2
 SE 1/4
 SECTION 36
 TOWNSHIP 13 SOUTH, RANGE 12 EAST, W.M.

S 1/2 SW 1/4
 SW 1/4 SE 1/4
 SECTION 31
 TOWNSHIP 13 SOUTH, RANGE 13 EAST, W.M.

N 1/2 NE 1/4
 N 1/2 NW 1/4
 SW 1/4 NW 1/4
 SECTION 1
 NE 1/4
 SW 1/4
 SECTION 2
 ALL
 SECTION 3
 NW 1/4 NW 1/4
 SECTION 11
 TOWNSHIP 14 SOUTH, RANGE 12 EAST, W.M.

NW 1/4 NE 1/4
 N 1/2 NW 1/4
 SECTION 6
 TOWNSHIP 14 SOUTH, RANGE 13 EAST, W.M.

*E 1/2 NW 1/4
 N 1/2 NW 1/4
 SE 1/4 NW 1/4
 NE 1/4 SW 1/4
 S 1/2 SW 1/4*

*N 1/2 NE 1/4
 SE 1/4 NE 1/4
 W 1/2 SW 1/4
 SE 1/4 SW 1/4*

4FR Bold

The well shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works shall be equipped with a usable access port, and may also include an air line and pressure gauge adequate to determine water level elevation in the well at all times. When required by the department, the permittee shall install and maintain a weir, meter, or other suitable measuring device, and shall keep a complete record of the amount of ground water withdrawn.

DRAFT

PAGE THREE

Prior to receiving a certificate of water right, the permit holder shall submit the results of a pump test meeting the department's standards, to the Water Resources Department. The Director may require water level or pump test results every ten years thereafter.

Actual construction work shall begin on or before , and shall be completed on or before October 1, 1993. Complete application of the water shall be made on or before October 1, 1994.

Failure to comply with any of the provisions of this permit may result in action including, but not limited to, restrictions on the use, civil penalties, or cancellation of the permit.

This permit is for beneficial use of water without waste. The water user is advised that new regulations may require use of best practical technologies or conservation practices to achieve this end.

By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

The use of water shall be limited when it interferes with any prior surface or ground water rights.

Issued this date,.

Water Resources Department
William H. Young
Director

Application G-12579 Water Resources Department
Basin 5 Volume 2 Crooked River & Misc.
G-12579.dlm

PERMIT G-
District 11

4FR

Mgmt Codes

Application No. 6-12579

RECEIVED

JUN 18 1991

State of Oregon
WATER RESOURCES DEPARTMENT

WATER RESOURCES DEPT.
SALEM, OREGON

Application for a Permit to Appropriate Ground Water

Applicant(s) Crooked River Ranch Water Company
(Please print or type - use dark ink)

Mailing Address: P.O. Box 879
Crooked River Ranch, Oregon 97760 548-8939
City State Zip Daytime Phone No.

I (We) make application for a permit to appropriate the following described ground waters of the State of Oregon:

1. **THE DEVELOPMENT** (number of wells, tile lines, infiltration galleries, etc.): 2 wells

If development is less than one mile from a natural stream, give the following:

Distance from development to stream: Well #2 1400' Well #3 2000'

Elevation difference between streambed and development: 150' ± (will be provided later)

NOTE: Wells must be constructed according to standards set by the department for the construction and maintenance of water wells. If the well is already constructed, please enclose a copy of the well driller's log with this application, and skip to Section 2 below.

Diameter of well: Well #2 #2 Well #3 #3
Depth in feet: #2 #3

Type and size of well casing: #2 #3 No. of feet: #2 #3

Estimated depth to water: #2 #3

Type of access port or measuring device: pipe plug in well cap

Wells to be drilled by: _____

Address: _____

If the water well is flowing artesian, describe your water control and conservation works: _____

2. **TOTAL AMOUNT OF WATER** to be applied to beneficial use: 5.0 cubic feet per second, OR _____ gallons per minute. If water is to be used from more than one ground water source, give the quantity of water from each: 2.5 cfs each

3. INTENDED USE(s) OF WATER: Quasi - Municipal

If for more than one use, give the quantity of water from each source for each use; _____

If for DOMESTIC use, state the number of households to be supplied; _____

If for MUNICIPAL OR QUASI-MUNICIPAL use, state the present population to be served, and an estimate of the future requirements; (List population projections, water needs, anticipated areas to be provided water.)

775 current hook ups. System approved by State Health Department for 1600 lots. All 1600 lots have metered access now.
Future expansion for all 2600 lots not on wells.

If for MINING use, state the nature (gold, silver, etc.) of the mines to be served; _____

If for IRRIGATION, or other land area use, state the TOTAL number of acres to be developed under each use;

Irrigation _____

Other (describe) _____

4. DESCRIPTION OF WATER DELIVERY SYSTEM: Include dimensions and type of construction of diversion works, length and dimensions of supply ditches or pipelines, size and type of pump and motor. If for irrigation, describe the type of system (i.e., flood, wheel line, hand line, drip, other).

The system is in place for 1600 lots now. This is a very extensive project from the two wells into reservoir then through delivery system to the lots and community center.

5. PROJECT SCHEDULE: (List month and year)

Proposed date construction work will begin Wells complete

Proposed date construction work will be completed Oct 1, 1996

Proposed date water use will be completed Oct 1, 2011

NOTE: A map prepared by a Certified Water Right Examiner (CWRE) and a complete legal description of the subject property are required under ORS 537.140 and OAR 690 as a part of your application. The legal description may be copied from your deed, title insurance policy, or land sales contract.

Application No. 6-12579
Permit No.

Annex A

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p9 1

WATER RESOURCES DEPT.
SALEM, OREGON

NW $\frac{1}{4}$ NW $\frac{1}{4}$

S $\frac{1}{2}$ SW $\frac{1}{4}$

Section 4

All

Section 15

All

Section 25

E $\frac{1}{2}$ NE $\frac{1}{4}$

SE $\frac{1}{4}$ SW $\frac{1}{4}$

SE $\frac{1}{4}$

Section 5

All

Section 16

All

Section 26

E $\frac{1}{2}$ NE $\frac{1}{4}$

E $\frac{1}{2}$ SE $\frac{1}{4}$

Section 17

All

Section 27

NE $\frac{1}{4}$

NE $\frac{1}{4}$ NW $\frac{1}{4}$

Section 8

N $\frac{1}{2}$

Section 21

N $\frac{1}{2}$ NE $\frac{1}{4}$

SW $\frac{1}{4}$ NE $\frac{1}{4}$

NW $\frac{1}{4}$

E $\frac{1}{2}$ SW $\frac{1}{4}$

SE $\frac{1}{4}$

Section 34

NW $\frac{1}{4}$

S $\frac{1}{2}$

Section 9

N $\frac{1}{2}$

NW $\frac{1}{4}$ SW $\frac{1}{4}$

N $\frac{1}{2}$ SE $\frac{1}{4}$

SE $\frac{1}{4}$ SE $\frac{1}{4}$

Section 22

All

Section 35

S $\frac{1}{2}$ NW $\frac{1}{4}$

SW $\frac{1}{4}$

S $\frac{1}{2}$ SE $\frac{1}{4}$

Section 10

NE $\frac{1}{4}$

E $\frac{1}{2}$ NW $\frac{1}{4}$

E $\frac{1}{2}$ SW $\frac{1}{4}$

SE $\frac{1}{4}$

Section 23

N $\frac{1}{2}$ NE $\frac{1}{4}$

SW $\frac{1}{4}$ NE $\frac{1}{4}$

W $\frac{1}{2}$

SE $\frac{1}{4}$

Section 36

SW $\frac{1}{4}$ SW $\frac{1}{4}$

Section 13

SW $\frac{1}{4}$ NE $\frac{1}{4}$

NW $\frac{1}{4}$ NW $\frac{1}{4}$

S $\frac{1}{2}$ NW $\frac{1}{4}$

SW $\frac{1}{4}$

SE $\frac{1}{4}$

Section 14

NW $\frac{1}{4}$

S $\frac{1}{2}$

Section 24

T. 13 S., R. 12 E., W. M.

Application No. 6-12579
Permit No.

Annex A

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JUN 18 1991

Pg 2

WATER RESOURCES DEPT.
SALEM, OREGON

S $\frac{1}{2}$ SW $\frac{1}{4}$
SW $\frac{1}{4}$ SE $\frac{1}{4}$
Section 31 NUD
T. 13 S., R. 13 E., W. M.

N $\frac{1}{2}$ NE $\frac{1}{4}$
N $\frac{1}{2}$ NW $\frac{1}{4}$
SW $\frac{1}{4}$ NW $\frac{1}{4}$
Section 1

NE $\frac{1}{4}$
SW $\frac{1}{4}$
Section 2

All
Section 3

NW $\frac{1}{4}$ NW $\frac{1}{4}$
Section 11
T. 14 S., R. 12 E., W. M.

NW $\frac{1}{4}$ NE $\frac{1}{4}$
N $\frac{1}{2}$ NW $\frac{1}{4}$
Section 6
T. 14 S., R. 13 E., W. M.

6. a) In the event any deficiencies are noted involving the application map enclosed herein, please return the map with instructions for correction to (check one):

 Applicant X CWRE Other (Identify in REMARKS section)

- b) In the event any deficiencies are noted involving the application, please return the application with instructions for correction to (check one):

X Applicant cc to → CWRE Other (Identify in REMARKS section)

7. Are all lands involved (including the proposed diversion site, place of use, and access for conveying the water) under your ownership? NA. If not, list in the REMARKS section below, or on an attached sheet, the names and mailing addresses of the legal owners of all property involved in the proposed development.

NOTE: Prior to receiving a certificate of water right, the permit holder must submit to the Water Resources Department the results of a pump test meeting the department's standards. The Director will require water level or pump test results every ten years thereafter.

REMARKS: _____

NOTE: The permit, when issued, is for the beneficial use of water without waste. By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan. It is possible the land use you propose may not be allowed if it is not in keeping with the goals and acknowledged plan. Your city or county planning agency can advise you about the land-use plan in your area.

Dieb Brausler
Signature of Applicant

6-10-91
Date

Signature of Co-Applicant, if any

Date

FOR WATER RESOURCES DEPARTMENT USE ONLY

Dear Applicant:

I certify that I have examined the foregoing application, together with the accompanying information, and am returning it to you for:

In order to retain its tentative priority, this application must be returned with the requested corrections or additions on or before:

_____, 19____.

WITNESS my hand this _____ day of _____, 19____.

Water Resources Director

By: _____

This instrument was first received in the office of the Water Resources Director at Salem, Oregon, on the 18th day of June, 1991, at 3:00 o'clock, 4 M.

APPLICATION NO: 6-12579

Crooked River Ranch Water Company

P.O. Box 1388
Crooked River Ranch
Oregon 97760
923-1041

RECEIVED

JUN 18 1991

WATER RESOURCES DEPT.
SALEM, OREGON

Application No. 6-12579
Permit No. G11376

State of Oregon
Water Resources Department

June 10, 1991

Appropriate Persons:

The Crooked River Ranch Water Company is a user owned community system that was begun about 1973. The current Board of Directors just recently became aware of the need to apply for water rights as a Quasi-Municipal supplier.

This application is intended to correct a situation that we have no better explanation for than perhaps oversight by the original developer and past Boards.

Our system is fully described in the enclosed Sanitary Survey Report prepared by the Oregon State Health Division. We sincerely hope this application is complete and will meet with your early approval.

Sincerely,

Dick Brownlee

Dick Brownlee, President
Crooked River Ranch Water Company

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NOV - 8 1991

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STATE OF OREGON

WATER RESOURCES DEPT.
SALEM, OREGON

COUNTY OF JEFFERSON AND DESCHUTES

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

CROOKED RIVER RANCH WATER COMPANY
P.O. BOX 879
CROOKED RIVER RANCH, OREGON 97760

503-548-8939

to use the waters of WELLS 2 & 3 in the CROOKED RIVER BASIN for QUASI-MUNICIPAL USE.

This permit is issued approving Application G-12579. The date of priority is JUNE 18, 1991. The use is limited to not more than 5.0 CUBIC FEET PER SECOND (CFS), BEING 2.5 CFS FROM EACH WELL, or its equivalent in case of rotation, measured at the well.

The wells are located as follows:

NW 1/4 NW 1/4, SW 1/4 SE 1/4, SECTION 24, T 13 S, R 12 E, W.M.; WELL 2 - 680 FEET SOUTH AND 780 FEET EAST FROM NW CORNER, SECTION 24, WELL 3 - 80 FEET NORTH AND 480 FEET EAST FROM S 1/4 CORNER, SECTION 24.

The use shall conform to such reasonable rotation system as may be ordered by the proper state officer.

A description of the proposed place of use under this permit is as follows:

NW 1/4 NW 1/4
S 1/2 SW 1/4
SECTION 4
E 1/2 NE 1/4
SE 1/4 SW 1/4
SE 1/4
SECTION 5
NE 1/4
NE 1/4 NW 1/4
SECTION 8
NW 1/4 NW 1/4
S 1/2 NW 1/4
S 1/2
SECTION 9
S 1/2 NW 1/4
SW 1/4
S 1/2 SE 1/4
SECTION 10
SW 1/4 SW 1/4
SECTION 13
SW 1/4 NE 1/4
NW 1/4 NW 1/4
S 1/2 NW 1/4
S 1/2
SECTION 14
ALL
SECTION 15
ALL
SECTION 16
E 1/2 NE 1/4
E 1/2 SE 1/4
SECTION 17
N 1/2
SECTION 21

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NOV - 8 1934

WATER RESOURCES DEPT. PAGE TWO
SALEM, OREGON

N 1/2
NW 1/4 SW 1/4
N 1/2 SE 1/4
SE 1/4 SE 1/4
SECTION 22
NE 1/4
E 1/2 NW 1/4
E 1/2 SW 1/4
SE 1/4
SECTION 23
NW 1/4
S 1/2
SECTION 24
ALL
SECTION 25
ALL
SECTION 26
E 1/2
N 1/2 NW 1/4
SE 1/4 NW 1/4
NE 1/4 SW 1/4
S 1/2 SW 1/4
SECTION 27
N 1/2 NE 1/4
SW 1/4 NE 1/4
NW 1/4
E 1/2 SW 1/4
SE 1/4
SECTION 34
ALL
SECTION 35
N 1/2 NE 1/4
SW 1/4 NE 1/4
W 1/2
SE 1/4
SECTION 36

TOWNSHIP 13 SOUTH, RANGE 12 EAST, W.M.

S 1/2 SW 1/4
SW 1/4 SE 1/4
SECTION 31

TOWNSHIP 13 SOUTH, RANGE 13 EAST, W.M.

N 1/2 NE 1/4
N 1/2 NW 1/4
SW 1/4 NW 1/4
SECTION 1
N 1/2 NE 1/4
SE 1/4 NE 1/4
W 1/2 SW 1/4
SE 1/4 SW 1/4
SECTION 2
ALL
SECTION 3
NW 1/4 NW 1/4
SECTION 11

TOWNSHIP 14 SOUTH, RANGE 12 EAST, W.M.

NW 1/4 NE 1/4
N 1/2 NW 1/4
SECTION 6

TOWNSHIP 14 SOUTH, RANGE 13 EAST, W.M.

Within one year from the date the Water Resources Commission adopts rules describing the schedules, standards and procedures for water conservation management plans by water suppliers, Crooked River Ranch Water Company shall submit a plan which is consistent with said rules.

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NOV - 8 1991

WATER RESOURCES DEPT.
SALEM, OREGON
PAGE THREE

Within one year of permit issuance, Crooke River Ranch Water Company shall prepare a plan/timetable for the Water Resources Commission which shall indicate the steps which the Water Company intends to pursue to obtain a long-term water supply.

The wells shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works shall be equipped with a usable access port, and may also include an air line and pressure gauge adequate to determine water level elevation in the wells at all times. When required by the department, the permittee shall install and maintain a weir, meter, or other suitable measuring device, and shall keep a complete record of the amount of ground water withdrawn.

Prior to receiving a certificate of water right, the permit holder shall submit the results of a pump test meeting the department's standards, to the Water Resources Department. The Director may require water level or pump test results every ten years thereafter.

Actual construction work shall begin on or before , and shall be completed on or before October 1, 1993. Complete application of the water shall be made on or before October 1, 1994.

Failure to comply with any of the provisions of this permit may result in action including, but not limited to, restrictions on the use, civil penalties, or cancellation of the permit.

This permit is for beneficial use of water without waste. The water user is advised that new regulations may require use of best practical technologies or conservation practices to achieve this end.

By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

The use of water shall be limited when it interferes with any prior surface or ground water rights.

Issued this date,.

Water Resources Department
William H. Young
Director

I\We, Crooked River Ranch Water Co., hereby understand and agree that this draft permit describes the full extent of water use that will be allowed approving Application G-12579. By signature below, I\We agree to the proposed terms and conditions for this draft permit.

John D. Brown President 11-4-91
Signature\Title Date

William D. Howarth Secretary 11/4/91
Signature\Title Date

Application G-12579
Basin 5
G-12579.SCB

Water Resources Department
Volume 2 Crooked River & Misc.
MGMT.CODE 4FR

PERMIT G-
District 11



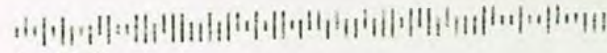
G-12579
CROOKED RIVER RANCH CLUB
MAINTENANCE ASSOCIATION
5195 SW CLUBHOUSE RD
TERREBONNE OR 97760



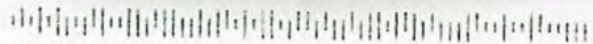
G-12579
CROOKED RIVER RANCH CLUB
MAINTENANCE ASSOCIATION
5195 SW CLUBHOUSE RD
TERREBONNE OR 97760



G-12579
CROOKED RIVER RANCH CLUB
MAINTENANCE ASSOCIATION
5195 SW CLUBHOUSE RD
TERREBONNE OR 97760



G-12579
CROOKED RIVER RANCH CLUB
MAINTENANCE ASSOCIATION
5195 SW CLUBHOUSE RD
TERREBONNE OR 97760



G-12579
CROOKED RIVER RANCH CLUB
MAINTENANCE ASSOCIATION
5195 SW CLUBHOUSE RD
TERREBONNE OR 97760