

Name FILE#: G 15840
By RAINBOW WATER DISTRICT; HANLEY, J
Address TIMOTHY
PO BOX 8
SPRINGFIELD, OR 97477

Application No. G- 15840
Permit No. G- G 16477
Certificate No. _____

Stream Index, Page No. _____

FEES PAID		
Date	Amount	Receipt No.
9-19-02	850. ⁰⁰	55626
4-15-04	10. ⁰⁰	66633 <i>ESC</i>
4-10-09	300.00	96110

Date filed _____
Priority _____
Action suspended until C29 _____
Return to applicant _____
Date of approval _____

FEES REFUNDED		
Date	Amount	Check No.

ASSIGNMENTS			
Date	To Whom	Address	Volume Page

CONSTRUCTION
Date for beginning _____
Date for completion _____
Extended to _____
Date for application of water 10-1-2029
Extended to _____

REMARKS

PROSECUTION OF WORK
Form "A" filed _____
Form "B" filed _____
Form "C" filed _____

FINAL PROOF
Blank mailed _____
Proof received _____
Date certificate issued _____

J. Timothy Hanley, P.E.
SUPERINTENDENT

RAINBOW WATER DISTRICT

1550 N. 42nd Street
P.O. Box 8
Springfield, Oregon 97477
(541) 746-1676
FAX (541) 747-0845



EGR & Associates, Inc.

Engineers and Geologists

STEVE RECCA, R.G.

VICE PRESIDENT

2535B Prairie Road
Eugene, Oregon 97402

(541) 688-8322
Fax (541) 688-8087
Cell (541) 913-1304
steverecca@egrassoc.com

Mike Zwart

To: jamie@RWDonline.net
Subject: Water Level Measurement Plan, Permit G-16477

Jamie,

Thank you for faxing me a copy of your draft plan, dated March 12, 2012. I checked our files and this plan is not on file. I can approve this plan and will place a copy of it and this e-mail in the water right file. Please report the annual water level measurements on the Department form for that purpose. Let me know if you have any questions.

Mike Zwart

Michael J. Zwart, Hydrogeologist
Technical Services Division
725 Summer Street NE, Suite A
Salem, OR 97301
Direct Line: 503-986-0844 Fax: 503-986-0902
mike.j.zwart@wrdd.state.or.us



**FACSIMILIE COVER LETTER
TOTAL 2 PAGES**

Michael Zwart
Oregon Water Resources Department
Measurements & Reporting Section
725 Summer St. NE, Suite A
Salem, OR 97301-1271

Re: Permit G-16477, I-5 Wells #1 & #2, Rainbow Water District

Dear Mike,

As I mentioned by phone, I apologize for not following through and making sure that you received my proposed monitoring plan last year. I have attached a copy of my previous letter to allow you to review our plan and give guidance.

We performed a pump test last year and I am compiling the data to submit for our COBU. We have also installed pressure transducers and should have them connected to our SCADA this month, allowing us to record continuous water level data for these wells to simplify future reporting.

I was hired following Tim Hanley's retirement, and I am still fairly new to my position. It has taken some time during the transition to review incomplete documents and determine what is still required. Thank you for your patience.

Sincerely,

Jamie Porter, PE
Superintendent

541.746.1676 phone
541.747.0845 fax
jamie@RWDonline.net



"Proudly serving North and West Springfield."

March 2, 2012

Oregon Water Resources Department
 Attn: Measurements & Reporting Section
 725 Summer St. NE, Suite A
 Salem, OR 97301-1271

Re: Plan to Monitor and Report the Impact of Water Use, Permit G-16477, Application G-15840

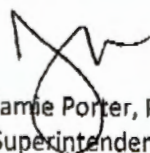
The following is a draft monitoring plan intended to satisfy the requirement in the above permit.

	Well I-5 # 1	Well I-5 # 2
Well Log ID Number	Lane 11118	Lane 11119
Sounder Port Elevation (ft msl)	426.75	427.31
Reference Water Level Date	April 2, 2003	April 3, 2003
Reference Water Level (ft msl)	371.50 (55' 3" depth-to-water)	372.89 (54' 5" depth-to-water)

1. We will measure the water level at least once per year in April.
2. The reference water level will be established by the measurements made in April 2003, the first static water level collected from an annual pump test after the September 18, 2002 priority date was established, as listed in the table above.
3. The well log ID numbers are Lane 11118 (I-5 #1) and Lane 11119 (I-5 #2).
4. The methodology for obtaining water level measurements will be an electric tape marked in 5-foot increments and a tape measure marked in feet and inches (or better), or from a 4-20 mA continuously recording pressure transducer signal calibrated to tenths of a foot (or better).
5. The measurements will be reported in feet and inches below the level of the sounder port used as a reference elevation. See table above.
6. The wellfield will not be pumped for at least 12 hours prior to taking the measurements.
7. The person obtaining the measurements will be either a full-time employee trained in using the equipment or other qualified person (per OWRD guidelines) of our choice.
8. Annual reports will be sent to the Measurements and Reporting Section of OWRD by April 30 of each year.

If you have any questions or comments, please contact me.

Sincerely,


 Jamie Porter, PE
 Superintendent

WORKING COPY PER PHONE CONVERSATION WITH ASST. Superintendent, DEAN HILL OF RAINBOW WATER DISTRICT

EXIST. 80' PPHL EASEMENT 9-19-02 R.W

TL 2500 17-03-10
ASLAUG KNOX, 2131 M-MILLEN STREET; EUGENE, OR. 97405

RECEIVED

SEP 18 2002

WATER RESOURCES DEPT.
SALEM, OREGON

9 10
16 15

480'

300'

630'

1030'

580'

OREGON STATE HWY. DEPT.
INTERSTATE I-5

EXIST. WELL #1.

TL 800 17-03-15
OREGON STATE
HIGHWAY COMMISSION

EXIST. CONTROL
BLDG.

EXIST. WELL #2.

MJ CAST IRON PIPE

TL 1000 17-03-15
OREGON STATE HWY. COMMISSION

EXIST 24"

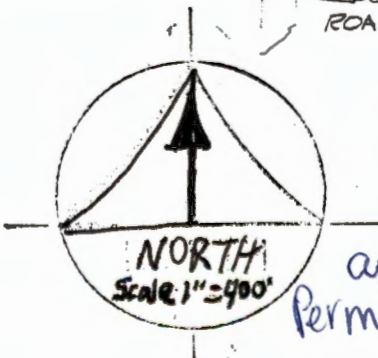
SLOUGH

Excluded on this filing for GW Permit.
LOCATION PROPOSED WELL #3 - I-5 WELL FIELD

1/4 COR

CTR. 15

UNIMPROVED
DEDICATED PUBLIC
ROAD (R667, #7354193)



WELL LOCATION MAP
RAINBOW WATER DISTRICT
NW 1/4, SEC 15, T17S, R3WWM

PLANTS & ASSOCIATES
PROFESSIONAL ENGINEERS
& LAND SURVEYORS

54 CENTENNIAL LOOP
EUGENE, OREGON 97401

app # G-15840
Permit #

STATE OF OREGON

COUNTY OF LANE

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

RAINBOW WATER DISTRICT
PO BOX 8
SPRINGFIELD, OR 97477

The specific limits and conditions of the use are listed below.

APPLICATION FILE NUMBER: G-15840

SOURCE OF WATER: WELL 1 (LANE 11118) AND WELL 2 (LANE 11119) IN MCKENZIE RIVER BASIN

PURPOSE OR USE: MUNICIPAL USE

MAXIMUM RATE: 7.0 CUBIC FEET PER SECOND, BEING 3.05 CFS FROM WELL 1 (LANE 11118) AND 3.95 CFS FROM WELL 2 (LANE 11119)

PERIOD OF USE: YEAR ROUND

DATE OF PRIORITY: SEPTEMBER 18, 2002

WELL LOCATIONS:

WELL 1 (LANE 11118): NW $\frac{1}{4}$ NW $\frac{1}{4}$, SECTION 15, T17S, R3W, W.M.; 480 FEET SOUTH & 630 FEET EAST FROM THE NW CORNER OF SECTION 15

WELL 2 (LANE 11119): NW $\frac{1}{4}$ NW $\frac{1}{4}$, SECTION 15, T17S, R3W, W.M.; 1030 FEET SOUTH & 580 FEET EAST FROM THE NW CORNER OF SECTION 15

THE PLACE OF USE IS LOCATED AS FOLLOWS:

WITHIN THE SERVICE AREA OF RAINBOW WATER DISTRICT

Measurement, recording and reporting conditions:

- A. Before water use may begin under this permit, the permittee shall install a totalizing flow meter or other suitable measuring device as approved by the Director at each point of appropriation. The permittee shall maintain the meter or measuring device in good working order, shall keep a complete record of the amount of water used each month, and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required

by the Director. Further, the Director may require the permittee to report general water-use information, including the place and nature of use of water under the permit.

- B. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

Use of any or all water under this permit is only allowed if an Intergovernmental Agreement is in place between the Rainbow Water District and the Springfield Utility Board that addresses injury issues with senior users.

The water user shall develop a plan to monitor and report the impact of water use under this permit on water levels within the aquifer that provides water to the permitted well(s). The plan shall be submitted to the Department within one year of the date the permit is issued and shall be subject to the approval of the Department. At a minimum, the plan shall include a program to periodically measure static water levels within the permitted well(s) or an adequate substitute such as water levels in nearby wells. The plan shall also stipulate a reference water level against which any water-level declines will be compared. If a well listed on this permit (or replacement well) displays a total static water-level decline of 25 or more feet over any period of years, as compared to the reference level, then the water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s). Such action shall be taken until the water level recovers to above the 25-foot decline level or until the Department determines, based on the water user's and/or the Department's data and analysis, that no action is necessary because the aquifer in question can sustain the observed declines without adversely impacting the resource or senior water rights. The water user shall in no instance allow excessive decline, as defined in Commission rules, to occur within the aquifer as a result of use under this permit.

STANDARD CONDITIONS

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.

If the number, location, source, or construction of any well deviates from that proposed in the permit application or required by permit conditions, this permit may not be valid, unless the Department authorizes the change in writing.

If substantial interference with a senior water right occurs due to withdrawal of water from any well listed on this permit, then use of water from the well(s) shall be discontinued or reduced and/or the

schedule of withdrawal shall be regulated until or unless the Department approves or implements an alternative administrative action to mitigate the interference. The Department encourages junior and senior appropriators to jointly develop plans to mitigate interferences.

The well(s) 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.

Where two or more water users agree among themselves as to the manner of rotation in the use of water and such agreement is placed in writing and filed by such water users with the watermaster, and such rotation system does not infringe upon such prior rights of any water user not a party to such rotation plan, the watermaster shall distribute the water according to such agreement.

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.

This permit is for the beneficial use of water without waste. The water user is advised that new regulations may require the 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.

The permit holder shall commence and complete the construction of any proposed works within 20 years from the date of permit issuance. The Department may order and allow an extension of time to complete construction or to perfect a water right beyond 20 years from the date of permit issuance.

Within one year after complete application of water to the proposed use, the permittee shall submit a claim of beneficial use, which includes a map and report, prepared by a Certified Water Rights Examiner (CWRE).

Issued APRIL 30, 2009

E. Timothy Ward

for Phillip C. Ward, Director
Water Resources Department

Mailing List for FO Copies

Application #G-15840

Original mailed to applicant with claim of beneficial use form:

RAINBOW WATER DISTRICT
ATTN: J TIMOTHY HANLEY
PO BOX 8
SPRINGFIELD OR 97477

- Copies sent to:** 1. WRD - File # G-15840
2. WRD - Ken Stahr

Copies Mailed	
By: <u>OS</u>	(SUPPORT STAFF)
on: <u>4-20-09</u>	(DATE)

FO and Map Copies sent to (remember to reduce copy margins):

3. WRD - Watermaster District #: District 2

Copies sent to Other Interested Persons (CWRE, Agent, Commenter, etc.)

4. Chuck Arrera, 202 S. 18th St. Springfield OR 97477
6. Jay Bozievich, PE 500 E 4th Ave, PO Box 10148, Eugene, OR 97440

"\$10 LETTER" sent to Interested Persons who have not protested or paid for copies

- 1.

CASEWORKER : Brook Geffen

ORPP # 6-15840
Permit #

15

14

13

18

EXHIBIT "A"

22

23

24

19

RAINBOW WATER DISTRICT 2

27

26

25

30

33

34

RAINBOW WATER DISTRICT BOUNDARY

17s 2w

S 1/2

Section 19

N 1/2 NW

Section 30

Under's work copy

17s 3w

NE 1/4

E 1/2 NW 1/4

SE 1/4

Section 22

W 1/2 NW 1/4

S 1/2

Section 23

S 1/2

Section 24

N 1/2 N 1/2

Section 25

N 1/2 N 1/2

Section 26

NENE

SW 1/4

Sec. 27

E 1/2 SE 1/4

Sec. 28

E 1/4 NE 1/4

Sec. 33

NW 1/4

Sec. 34

SWSW
Sec. 14

SWSE
SESE
Sec. 15

WATER RESOURCES DEPT.
SALEM, OREGON

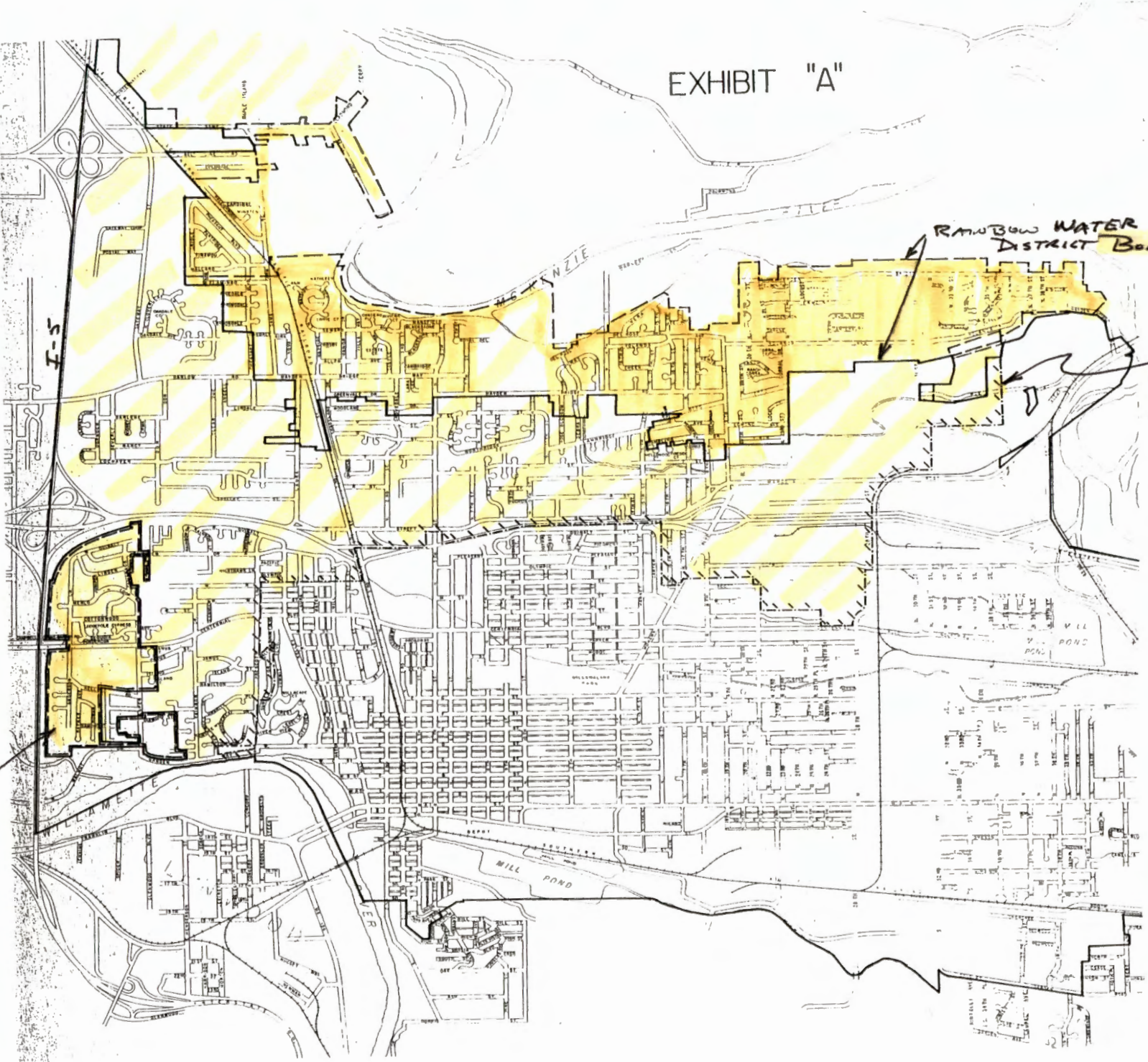
RECEIVED

SEP 18 2002

RECEIVED

EXHIBIT "A"

APP # 6-15840
Permit #



RAINBOW WATER DISTRICT BOUNDARY

FORMER
RAINBOW
WATER DISTRICT
BOUNDARY -
AREA NOW
SERVED BY
SUB

RAINBOW
WATER
DISTRICT
BOUNDARY

RECEIVED
SEP 19 2002
WATER RESOURCES DEPT.
SALEM, OREGON

FO Checklist

Application #: G-15840 Applicant: J TIMOTHY HANLEY; RAINBOW WATER DISTRICT

Name and/or address has **changed or been assigned** Yes No
 If new: _____

Respond to **significant comments, issues, or disputes** related to the proposed use of water. N/A

Verify names/addresses of affected landowners, and those who commented and/or paid \$10 fee. N/A
↳ SUB Requested Standing

Affected landowner(s) have been notified N/A Yes No, send a letter to landowners before FO issuance.

Include fish screen form if ODFW requested **screening condition and rate** ≤ 0.5 CFS N/A Yes No

Are requested **GW conditions included** in permit? N/A Yes If not, add condition(s) _____

PFO conclusions **require modification** due to typos, errors or omission of conditions Yes No
 If so: _____

Within North Umpqua settlement reach and issuing permit, **spreadsheet has been updated** N/A Yes

SWW If GW and interference, copy form for Stahr. N/A

<input checked="" type="checkbox"/> Fees	<u>Base Fee</u>	<u>Water Amount (Q)</u>	
	\$150 / <u>\$250</u>	1 st CFS/AF	<u>150</u>
	\$300 / \$500	<u>6</u> Addl @ <u>75</u>	<u>450</u>
		_____ Addl @ _____	_____
		Add'l <input type="checkbox"/> POD/POA <input type="checkbox"/> use + _____	_____
<u>250</u> +		<u>600</u>	= <u>850</u>
	(base)	(Q)	(total exam fee)

EXAM FEE REQUIRED	<u>850</u>	RECORDING FEE REQUIRED	\$175 / \$250 / <u>\$300</u>
EXAM FEE PAID	<u>- 850</u>	RECORDING FEE PAID	<u>- 300</u>
STILL OWED	<u>—</u>	STILL OWED	<u>—</u>

FO type DENIAL
 refund \$ _____

FO w/ Permit # 16477

FO w/o permit
 lacks fees
 lacks easement
 lacks approved dam plans/specs

Name: Brook Geffen

Date: 8/27/2008

Peer Reviewer: jmc 8/28/08

PFO Checklist

Application #: G-15840 Applicant: J TIMOTHY HANLEY; RAINBOW WATER DISTRICT

Shortcomings preventing PFO? Y / N Should process continue? Y / N
 IR Date 4/23/04 Public Notice Date 4/27/04 Comments received? Y / N

Was additional information requested in the IR? Y / N If so, do we now have enough info to do the PFO? Y / N

Was the application filed after 10/23/99? Y / N (If not, add A date requirement)

B.O.R. or Doug Co. project Y / N Contract in file? N contract # _____

IR identifies as DEQ 303d? Y / NA Comments received? Y / N _____

Is second gw review necessary? Y / N / NA Complete? Y / N

Water Availability OK / REDONE / NA _____

Have conflicts been addressed? Y / N / NA _____

Changes from IR determinations Determination #2 was removed stated that there was PSI w/ an unnamed trib to McKenzie River. Michael Matz (CWM Dist #2) visited site & agreed that this was in error. That portion of GW Review is suspended.

Copy to Chuck Arroyo, Jay Bozicovich, PE 500 East 4th Ave. / PO Box 10149 Eugene OR 97440
Springfield Utility Board - 202 South 18th St. Springfield OR 97477

Fees	Base Fee	Water Amount (Q)
	\$150 / <input checked="" type="checkbox"/> \$250	1 st CFS/AF <u>1</u>
	\$300 / \$500	<u>6</u> Addl @ <u>75</u> + <u>450</u>
	<u>250</u>	<u>600</u>
	(base)	(Q)
	+ =	<u>850</u>
		(total exam fee)

EXAM FEE REQUIRED	<u>850</u>	RECORDING FEE REQUIRED	\$175 / \$250 / <input checked="" type="checkbox"/> \$300
EXAM FEE PAID	<u>850</u>	RECORDING FEE PAID	<u>—</u>
STILL OWED	<u>—</u>	STILL OWED	<u>300</u>

Name: Brook Geffen Date: 10/15/2007 Peer Reviewer: me

The purpose of this checklist is to be used as a working document by Department staff to aid in the production of the related Initial Review, Proposed Final Order, or Final Order. It is not intended to be a complete record of all factors which were considered to produce the document, nor is it intended to serve any purpose other than that stated above. The related Initial Review, Proposed Final Order, or Final Order is intended to stand alone as the record of factors considered in its production.

~~ADD DISPC!!~~

WA

MENT

← NO
PS 1 1

MEMO

August 10, 2007

TO: Water Rights Section

FROM: Marc Norton, Ground Water Section *MAN*

SUBJECT: Ground Water Application G-15840, Rainbow Water District

This review supersedes the January 14, 2004 review.

Rainbow Water District submitted additional information concerning the ground water review, January 14, 2004. There were two main concerns addressed in the additional information: 1) interference with the un-named tributary to the McKenzie River and the McKenzie River; and 2) ground water will not likely be available in the amounts requested without injury to prior water rights.

1) GROUND WATER/SURFACE WATER INTERFERENCE Michael Mattick, Watermaster for District 2, visited the area and determined that the un-named tributary discussed in the ground water review (01/14/2004) is NOT a tributary to the McKenzie River (See emails from M.M. dated 7/6/2006 & 5/2/2005). Therefore, that portion of the Ground Water Review, January 14, 2004 that pertains to Ground Water/Surface Water Considerations and the un-named tributary are superseded by M. Mattick's emails.

2) GROUND WATER AVAILABILITY The previous review (01/14/2004) indicated that **ground water will not likely be available in the amounts requested without injury to prior water rights**. The review concluded that pumping from the Rainbow Water District's (RWD) I-5 wells #1 and #2 will cause substantial interference with the Springfield Utility Board's (SUB) Sports Way well. The applicant has agreed that the operation of the well field will result in a reduction in water level that would impair the ability of SUB to access their customary supply of water from these wells. To address this interference, the applicant is negotiating an Intergovernmental Agreement (IGA) with SUB that would specify actions that RWD would take to mitigate any injury caused by pumping in the Rainbow Water District's (RWD) I-5 wells #1 and #2. Therefore, in order to avoid injury to senior rights held by SUB, the permit should contain the following special condition:

WATER RESOURCES DEPARTMENT

MEMO

August 10, 2007

TO: Water Rights Section

FROM: Marc Norton, Ground Water Section *MAN*

SUBJECT: Ground Water Application G-15840, Rainbow Water District

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G-15840
April 6, 2007
Page 2

Use of any or all water under this permit is only allowed if an Intergovernmental Agreement is in place between the Rainbow Water District and the Springfield Utility Board that addresses injury issues with senior users.

Potential interference with senior ground-water rights indicates a need for an interference condition and for conditions that require water-level and water-use monitoring to evaluate how the well field impacts the ground-water system in the surrounding area. These issues are addressed by the following conditions which should be included in the permit:

- 7A – NON-SEASONAL USE,
- 7B – INTERFERENCE, and
- Large water-use monitoring and reporting.

interoffice
MEMORANDUM

Date: July 26, 2006
To: Doug Woodcock
From: Cory Engel
Subject: re-review request, G-15840 (Rainbow Water District)

The applicant has provided information attempting to overcome problems identified in Marc's previous review. It appears that this information requires re-review.

This follows a similar submittal by EWEB regarding their application G-15857, which was submitted to you for re-review on July 19.

Thanks.

Cory Engel

From: Dwight French [Dwight.W.FRENCH@wrd.state.or.us]
Sent: Tuesday, May 16, 2006 8:42 AM
To: Anita.M.HUFFMAN@wrd.state.or.us; Kerry.A.LEFEVER@wrd.state.or.us; 'Cory Engel';
Jeana.M.EASTMAN@wrd.state.or.us
Cc: 'Tim Wallin'
Subject: MUNI ABC dates
Attachments: muni abc date language.wpd

Good morning Caseworkers,

I looked through the sample files that you gave me. I've prepared ABC dates paragraph's for each file. See attached. I'll talk to Jeana and/or Tim about how we standardize this and how we modify the M form (and maybe the other application forms) to get what we need on a consistent basis.

Thanks.

Thanks,
Dwight

5/16/2006

FILE G16378 - City of Lostine (Kerry)

They said they would begin in 2006 and finish no later than mid 2007. One year from now is not quite mid-2007 so I propose two years.

"The permit holder shall commence and complete the construction of any proposed works within two years from the date of permit issuance. The Department may order and allow an extension of time to complete construction or to perfect a water right beyond two years from the date of permit issuance."

FILE G16491 - City of Hubbard (Jeana)

The well and pump are in place and ready to be used immediately. I feel like one year ought to be our minimum.

"The permit holder shall commence and complete the construction of any proposed works within one year from the date of permit issuance. The Department may order and allow an extension of time to complete construction or to perfect a water right beyond one years from the date of permit issuance."

FILE S86399 - City of Monmouth (Jeana)

They've requested 20 years to commence and complete construction.

"The permit hold shall commence and complete the construction of any proposed works within 20 years from the date of permit issuance. The Department may order and allow an extension of time to complete construction or to perfect a water right beyond 20 years from the date of permit issuance."

FILE S86398 - City of Independence (Kerry)

Note: This is the same location and Q as 86399 for Jeana.

They've requested 20 years to commence and complete construction.

"The permit hold shall commence and complete the construction of any proposed works within 20 years from the date of permit issuance. The Department may order and allow an extension of time to complete construction or to perfect a water right beyond 20 years from the date of permit issuance."

FILE S85745 - Neskowin

"The permit hold shall commence and complete the construction of any proposed works within 20 years from the date of permit issuance. The Department may order and allow an extension of time to complete construction or to perfect a water right beyond 20 years from the date of permit issuance."

FILE S85733 - Ashland (Cory)

"The permit hold shall commence and complete the construction of any proposed works within 15 years from the date of permit issuance. The Department may order and allow an extension of time to complete construction or to perfect a water right beyond 15 years from the date of permit issuance."

FILE S84440 - ODFW (Kerry)

This file is on hold until Oct 2006.

FILE G16489 - City of Gearheart (Kerry)

They said two years from permit issuance.

"The permit hold shall commence and complete the construction of any proposed works within two years from the date of permit issuance. The Department may order and allow an extension of time to complete construction or to perfect a water right beyond two years from the date of permit issuance."

FILE G15840 - Rainbow Water District (Cory)

J-15840

They've requested 20 years to complete construction.

"The permit hold shall commence and complete the construction of any proposed works within 20 years from the date of permit issuance. The Department may order and allow an extension of time to complete construction or to perfect a water right beyond 20 years from the date of permit issuance."

FILE G15242 - SUB (Cory)

They've requested 20 years to complete construction.

"The permit hold shall commence and complete the construction of any proposed works within 20 years from the date of permit issuance. The Department may order and allow an extension of time to complete construction or to perfect a water right beyond 20 years from the date of permit issuance."

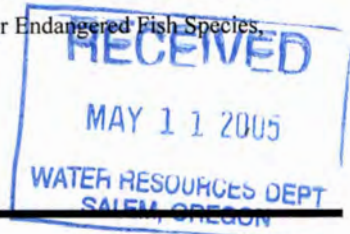
FILE G14908 - Redmond (Anita)

They don't know how much water they really need or how to shape it. Anita and Tim and I should strategize a plan to get them to tell us what they want so we can continue to process. Please see me.

WATERMASTER DIVISION 33 APPLICATION WORK SHEET

#2

Recommendations for Water Right Applications that may affect the Habitat of Sensitive, Threatened or Endangered Fish Species, OAR 690-33-310 through 340.



Date: 4/3 21 day Deadline Date: 5/4 Application # G-15840

Applicant's Name: RAINBOWN WATER DISTRICT

SOURCE OF WATER: GROUNDWATER SURFACE WATER STORAGE

DESCRIPTION OF THE SOURCE: well 182
(A spring, well, sump, exempt pond, unnamed stream, etc.)

1) If from surface water, does the water at the proposed diversion location flow above ground in a defined channel into another water body?

YES NO SOMETIMES

If sometimes, describe the time period, Between: _____ and _____.

2) Does the source ever go dry in the area of the proposed diversion?

YES NO

3) To your knowledge, has the requested source of water been regulated because of insufficient flow to satisfy existing water rights including instream water rights?

YES NO

If YES, please explain: _____

4) Do you agree with the water availability recommended period of use?

YES NO I DON'T KNOW

If NO, why do you disagree with the recommended period of use and what period do you recommend?
The wells are NOT connected to the channel
which shows up to the West. This has been

5) Did you meet with staff from another agency to discuss this application?

YES NO

blocked and is not
even an intermittent stream

Who: Applicant Agency: _____ Date: _____

6) Is mitigation an option?

YES NO

If YES, please explain: _____

Comments: _____

Name: Michael J. Matthews Date: 5-10-05 Title: WRD Dist 2

WRD Contact: Caseworker: Cory Engel, Water Rights Division
503-86-0813 / Fax: 503-986-0901 / e-mail: Cory.C.ENGEL@ wrd.or.state.us

MENU OF CONDITIONS FOR WRD, ODFW, DEQ AND AG
(Developed 6/27/97 - revised 4/12/02)

- fish** The permittee shall install, maintain, and operate fish screening and by-pass devices as required by the Oregon Department of Fish and Wildlife to prevent fish from entering the proposed diversion. The required screen is to be in place and functional prior to diversion of any water.
- odfw** The permittee shall install, maintain, and operate fish screening and by-pass devices as required by the Oregon Department of Fish and Wildlife to prevent fish from entering the proposed diversion. The required screens and by-pass devices are to be in place, functional and approved by an ODFW representative prior to diversion of any water.
- B54b** The permittee shall install, maintain, and operate fish screening to prevent fish from entering the proposed diversion. The permittee shall also install a fishway at the obstruction that will provide adequate upstream and downstream passage for fish. The permittee may submit evidence that the Oregon Department of Fish and Wildlife (ODFW) has determined screens and/or fishways are not necessary. The required screens and fishways are to be in place, functional, and approved by ODFW before diversion of any water.
- b54c** The permittee shall not construct, operate or maintain any dam or artificial obstruction to fish passage in the channel of the subject stream without providing a fishway to ensure adequate upstream and downstream passage for fish. The applicant is hereby directed to contact an Oregon Department of Fish and Wildlife Fish Passage Coordinator, Portland, Oregon, before beginning construction of any in-channel obstruction.
- b54m** The permittee may be required in the future to install, maintain, and operate fish screening devices to prevent fish from entering the proposed diversion.
- b52** Water may be diverted only when Department of Environmental Quality sediment standards are being met.
- b5** The water user shall install and maintain adequate treatment facilities meeting current DEQ requirements to remove sediment before returning the water to the stream.
- b51a** The period of use has been limited to _____ through _____.
- b57** Before water use may begin under this permit, a totalizing flow meter must be installed at each diversion point. The totalizing flow meter must be installed and maintained as identified in OAR 690-507-645.
- b58** Before water use may begin under this permit, a staff gage that measures the entire range and stage between full reservoir level dead pool storage must be installed in the reservoir. The staff gage shall be United States Geological Survey style porcelain enamel iron staff gage style A, C, E or I. Additionally, before water use may begin under this permit, if the reservoir is located in channel then weirs or other suitable measuring devices must be installed upstream and downstream of the reservoir, and, a gated valve outlet must be installed. A written waiver may be obtained from the local Watermaster if in his judgement the installation of the weir(s) will provide no public benefit.
- no id yet** (futile call) The use of water allowed herein may be made only at times when waters from the (SPRING OR WHATEVER) would not otherwise flow into a tributary of the (WHATEVER) River or sufficient water is available to satisfy all prior rights, including rights for maintaining instream flows.
- pispc** If the riparian area is disturbed in the process of developing a point of diversion, the permittee shall be responsible for restoration and enhancement of such riparian area.
- The use may be restricted if the quality of the source stream or downstream waters decrease to the point that those waters no longer meet existing state or federal water quality standards due to reduced flows.
- The permittee shall install, maintain, and operate fish screening to prevent fish from entering the proposed diversion. The permittee shall also install a fishway at the obstruction that will provide adequate upstream and downstream passage for fish. The permittee may submit evidence that the Oregon Department of Fish and Wildlife (ODFW) has determined screens and/or fishways are not necessary. The required screens and fishways are to be in place, functional, and approved by ODFW before diversion of any water.
- no id yet** The stream and its adjacent riparian area shall be fenced to exclude livestock.
- blv** Water must be diverted to a trough or tank through an enclosed water delivery system. The delivery system must be equipped with an automatic shutoff or limiting flow control mechanism or include a means for returning water to the stream source through an enclosed delivery system. The use of water shall not exceed 0.10 cubic feet per second per 1000 head of livestock.

To: Marc Norton
From: Cory Engel <Cory.C.ENGEL@wrd.state.or.us>
Subject: Fwd: Re: Fwd: 17S 4W, S15 Slough; G-15840 Rainbow Water District
Cc:
Bcc:
Attached:

Marc,

I'm interpreting Mike's statement "On the East of the wells, the only surface water to be found is the McKenzie River" to mean that there are no surface water sources except the McKenzie that this well could have PSI with. So, the only thing standing between Rainbow and a permit is the injury issue. Please let me know when you are able to make headway with Doug on that. Thanks.

Cory

X-Sender: matticmj@mailhub.wrd.state.or.us
X-Mailer: QUALCOMM Windows Eudora Version 6.0.2.0
Date: Tue, 30 Nov 2004 18:41:08 -0800
To: Cory Engel <Cory.C.ENGEL@wrd.state.or.us>,
Marc Norton <Marc.A.NORTON@wrd.state.or.us>
From: Michael Mattick <Michael.J.MATTICK@wrd.state.or.us>
Subject: Re: Fwd: 17S 4W, S15 Slough; G-15840 Rainbow Water District
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-Spam-Checker-Version: SpamAssassin 2.63 (2004-01-11) on
kettle.wrd.state.or.us
X-Spam-Status: No, hits=-4.8 required=5.0 tests=BAYES_00,HTML_MESSAGE
autolearn=ham version=2.63
X-Spam-Level:

Greetings Comrads,

Thanks for pointing out the geographical error, the location I inspected is T 17S, R 3 W sec 15, I do believe I was in the right place.

Note that Certificate 28437 lists three PODs with the source for all three being identified as the McKenzie River.

What remains there now is a geographical feature, I would call a disconnected historic river channel which no longer channels any water.

I went back out recently and walked from what is called Maple I Farm (on the quad map) and the bridge over the channel, from there I walked West and Northwest along the channel's banks, beyond the place where the SW POD from Cert 28437 is on this channel. I did find some old shot up steel pipe, but no evidence of a diversion nor of a well associated with a GW in the same vicinity.

At the Northern end of this old channel, we crossed no sloughs, though we did find a bank armored with rip rap and rail road rails, bolted and welded into some kind of flood fence, above a dry channel with the river 200 feet away.

On the East of the wells, the only surface water to be found is the McKenzie River.

Feel free to let me know if this is not clear or if I did not answer something.

See Ya
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At 09:22 AM 11/23/04, Cory Engel wrote:
Marc, a few things:

1. The sloughs we are concerned with are in 17s 3w, not 4w. Also, there IS a surface right--cert 28437--on the channel that we're talking about. **Did Mike look in the right place?**

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X-Spam-Checker-Version: SpamAssassin 2.63 (2004-01-11) on
kettle.wrd.state.or.us
X-Spam-Status: No, hits=-4.8 required=5.0 tests=BAYES_00,HTML_MESSAGE
autolearn=ham version=2.63
X-Spam-Level:

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X-Mailer: QUALCOMM Windows Eudora Version 6.0.2.0
Date: Mon, 22 Nov 2004 13:35:40 -0800
To: Marc.A.NORTON@wrd.state.or.us
From: Michael Mattick <Michael.J.MATTICK@wrd.state.or.us>
Subject: 17S 4W, S15 Slough
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Let me know if you need anything else.

MM

```
+-----+
| Michael J. Mattick  email to:
Michael.J.Mattick@wrd.state.or.us
| Watermaster District 2 |
| Voice: (541)-682-3620    FAX: (541)-746-
1861
| Oregon Water Resources Department Web page: http://www.wrd.state.or.us |
| |
| Office located at: |
| Central Lane Justice Court |
| 220 N 5th St. |
| Springfield, Oregon  97477
|
+-----+
```

Cory Engel
Water Right Application Caseworker
503-986-0813

```
+-----+
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| |
| Office located at: |
| Central Lane Justice Court |
| 220 N 5th St. |
| Springfield, Oregon 97477 |
| |
+=====+
```

IR CHECKLIST

Application #: G-15840

Diversion Info:

County: Lane Basin: 2 WID#: 528 (POU: 182 (~10%) & 528 (~90%))
 Township 17 South, Range 3 West, Section 3, NW¹/₄ NW¹/₄

5. Prohibited by ORS 538? Y / N If so, do not do an IR; return app & fees to applicant.

10. Groundwater Review
 a. PSI: Yes / No Stream Name McKENZIE R, JON STR > MCKENZIE R
 b. Available? Yes / No
 c. Is the well located in a GWLA or CGWA or T1N R3E Sec 20, 21, 28, 29? Y / N (If in an area include map showing POD)

20. Are there conflicting rights? Y / N / NA

30. Allowed under Basin Program Y / N Limitations? Y / N 10/1-6/30 ONLY

40. Withdrawn? Y / N season allowed _____

50. SWW Y / N (if Y notify state parks) _____

60. Surface Water Availability (80% live flow / 50% storage) NA OK y/r

ODFW: ZELLSV
 DEQ: BLANKMANN

70. DIVISION 33 Y / N / NA Above Bonn Y / N (7/17/92) Below Bonn Y / N (4/8/94) Statewide Y / N (6/3/94) map date _____
(see S:\groups\wr\Resource Center - permits\forms\ir\mailing lists.wpd)

80. Rate/Duty/Season Requested 7.0 CFS = 3.05 CFS (well 1) + 3.95 (well 2)
 Allowable NO RATE OBJECTIONS FROM PAYLAW

90. B.O.R. or Doug Co. project Y / N contract # _____

100. M&R Condition S(≤0.1≤9.2), M(≥0.1 or ≤1.5 CFS, or ≥9.2 or ≤100AF) L(>1.5, ≥100)
 If the use is MU or involves temperature control (such as Nursery Use) use Large condition. If the proposed permit includes an HC or LV SWW exemption, or is for DO or HC from Siltcoos Lake, use at least the Medium condition.

110. Land use approval OK'd needs approval county notified NA

120. Watermaster Dist: (1 2 16 18 20 NWR) (3 4 5 21 - NCR) (6 8 9 10 - ER) (11 12 17 - SCR) (13 14 15 19 - SWR)

130. 303D Y / N IN GEOGRAPHIC UMATILLA Y / N BOTTLED WATER Y / N
(cc: DEQ Regional Manager) (cc: CTUIR) (cc: DOA Food Safety Division)

140. Is the use located within Oregon Streamflow Restoration Area? Y / N NA

150. Letter format ==Good==Limited= Bad==Bad w/ IRshort==Bad w/ HC Opportunity

160. Conditions necessary 7A, 7B, 7E MODIFIED

170. CWRE, representative, etc. to notify? Y N ODOT ANITA S MGR BOB PIERCE, 644 A ST, SP640 97477

Base Fee:	Water Amount:	
Storage only: \$100 or		ADD SUB COMBINATION LANGUAGE ASVL FUSSE'S SUGGESTION. SUB PLAN UPDATE DUB IN 14 MONTHS, BUT CAN BE EXTENDED.
Storage only: \$150		
Live flow: <input checked="" type="radio"/> \$250 or	1st <u>1</u> CFS/AF: <u>150</u>	
Live flow: \$300	& Addl @ <u>25</u> : + <u>450</u>	
<u>250</u>	+	<u>600</u> = <u>850</u> (total exam fee)

PAID

Name: Cory Engel

Date: April 19, 2004

The purpose of this checklist is to be used as a working document by Department staff to aid in the production of the related Initial Review, Proposed Final Order, or Final Order. It is not intended to be a complete record of all factors which were considered to produce the document, nor is it intended to serve any purpose other than that stated above. The related Initial Review, Proposed Final Order, or Final Order is intended to stand alone as the record of factors considered in its production.

PFO CHECKLIST

- ___ 1. IR Date: _____ Public Notice Date _____ Comments Received? Y / N
- ___ 2. Was additional information requested in the IR? Y / N If so, do we now have enough info to do the PFO? Y / N
- ___ 3. Was the application filed before October 23, 1999? Y / N (If so, add A date requirement.)
- ___ 4. Changes from IR: _____

- ___ 5. Copy to: _____

- ___ 6. Fees: Base Fee: Water Amount:
Storage only: \$100 or _____
Storage only: \$150 _____
Live flow: \$250 or 1st ___ CFS/AF: _____
Live flow: \$300 ___ Addl @ ___: + _____
_____ + _____ = _____ (total exam fee)

EXAM FEE REQUIRED: _____	RECORDING FEE REQUIRED: \$250
EXAM FEE PAID: - _____	RECORDING FEE PAID: - _____
STILL OWED: _____	STILL OWED: _____

Name: Cory Engel

Date: _____

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Sections

TOWNSHIP	TWP_CHAR	RANGE	RNG_CHAR	SECTION	LINK1
17	S	3	W	15	Well Logs

Records Found: 1

County

COUNTY	FIPS
Lane	41039

Records Found: 1

Basins

BASIN_NUM	BASIN_NAME
2	Willamette

Records Found: 1

WaterMaster Districts

WATERDIST	REGION	ACRES	SQ_MILES	WMASTER	ADDRESS	CITY
2	NW	4068592	6357	Mike Mattick	Central Lane Justice Court, 220 North Fifth	Spring

Records Found: 1

WAB

BASIN	WID	LINK1	LINK2
2	30200321	Water Availability: 50% 80%	Flood Frequency Analysis
2	528	Water Availability: 50% 80%	Flood Frequency Analysis

Records Found: 2

Groundwater Restricted Records Found: 0

Divison 33 Area

DIV33
In a Div33 area

Records Found: 1

Rule 4D

RULE4D
In a Rule4D Area

Records Found: 1

Place of Use (Willamette)

APPLICATION	CERTIFICAT	PERMIT	PRIORITY	CERT_PERM	USE	PERMIT_CHA	CATEGORY	P_A
S 63542	64557	S 47969	19831117	64557 S 47969	IR	S	3	P

Records Found: 1

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In a Div33 area

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RULE4D
In a Rule4D Area

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PUBLIC INTEREST REVIEW FOR GROUND WATER APPLICATIONS

TO: Water Rights Section Date January 14, 2004

FROM: Ground Water/Hydrology Section Marc Norton
Reviewer's Name

SUBJECT: Application G- 15840 Supersedes review of November 18, 2002
Date of Review(s)

PUBLIC INTEREST PRESUMPTION; GROUNDWATER

OAR 690-310-130 (1) *The Department shall presume that a proposed groundwater use will ensure the preservation of the public welfare, safety and health as described in ORS 537.525. Department staff review ground water applications under OAR 690-310-140 to determine whether the presumption is established. OAR 690-310-140 allows the proposed use be modified or conditioned to meet the presumption criteria. This review is based upon available information and agency policies in place at the time of evaluation.*

A. **GENERAL INFORMATION:** Applicant's Name: Rainbow Water District County: LANE

A1. Applicant(s) seek(s) 7.0 cfs from 2 well(s) in the Willamette River Basin Basin,
McKenzie River subbasin Quad Map: Eugene East

A2. Proposed use: Municipal Seasonality: Year-round

A3. Well and aquifer data (attach and number logs for existing wells; mark proposed wells as such under logid):

Well	Logid	Applicant's Well #	Proposed Aquifer*	Proposed Rate(cfs)	Location (T/R-S QQ-Q)	Location, metes and bounds, e.g. 2250' N, 1200' E fr NW cor S 36
1	LANE 11118	I-5 #1	Alluvium	3.0	17S/03W-15bb	480' S, 630' E fr NW cor S 15
2	LANE 11119	I-5 #2	Alluvium	4.0	17S/03W-15bb	1030' S, 580' E fr NW cor S 15
3						
4						
5						

* Alluvium, CRB, Bedrock

Well	Well Elev ft msl	First Water ft bls	SWL ft bls	SWL Date	Well Depth (ft)	Seal Interval (ft)	Casing Intervals (ft)	Liner Intervals (ft)	Perforations Or Screens (ft)	Well Yield (gpm)	Draw Down (ft)	Test Type
1	422	40	21	4/25/75	360	0 - 30	0 - 30	0 - 360	130 - 340	1560	99	PT
2	422	21	20	1/21/75	380	0 - 34	+1 - 34	+4 - 380	120 - 370	2000	60	PT

Use data from application for proposed wells.

A4. **Comments:** _____

A5. **Provisions of the Willamette River** Basin rules relative to the development, classification and/or management of ground water hydraulically connected to surface water are, or are not, activated by this application. (Not all basin rules contain such provisions.)

Comments: Both wells are located < 1/4 mile from an un-named tributary to the McKenzie River but are > 1/4 mile from the McKenzie River

A6. **Well(s) #** _____, _____, _____, _____, _____, tap(s) an aquifer limited by an administrative restriction. Name of administrative area: _____
 Comments: _____

C. GROUND WATER/SURFACE WATER CONSIDERATIONS, OAR 690-09-040

C1. 690-09-040 (1): Evaluation of aquifer confinement:

Well	Aquifer or Proposed Aquifer	Confined	Unconfined
1	Sands and Gravels -- Basin Fill Sediments	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2	Sands and Gravels -- Basin Fill Sediments	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>

Basis for aquifer confinement evaluation: Hydrogeologic setting; Sands and gravels laid down by the McKenzie River in a channel carved from the very-low permeability basement rocks that contain the aquifer.

C2. 690-09-040 (2) (3): Evaluation of distance to, and hydraulic connection with, surface water sources. All wells located a horizontal distance less than ¼ mile from a surface water source that produce water from an unconfined aquifer shall be assumed to be hydraulically connected to the surface water source. Include in this table any streams located beyond one mile that are evaluated for PSI.

Well	SW #	Surface Water Name	GW Elev ft msl	SW Elev ft msl	Distance (ft)	Hydraulically Connected?			Potential for Subst. Interfer. Assumed?	
						YES	NO	ASSUMED	YES	NO
1	1	Un-named trib to McKenzie R.	400	410	1250	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1	2	McKenzie River	400	405	2200	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2	1	Un-named trib to McKenzie R.	400	410	1250	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	2	McKenzie River	400	405	2200	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Basis for aquifer hydraulic connection evaluation: Hydrogeologic setting; Sands and gravels laid down by the McKenzie River in a channel carved from the very-low permeability basement rocks that contain the aquifer.

Water Availability Basin the well(s) are located within: MCKENZIE R > WILLAMETTE R - AB MOUTH

C3a. 690-09-040 (4): Evaluation of stream impacts for each well that has been determined or assumed to be hydraulically connected and less than 1 mile from a surface water source. Limit evaluation to instream rights and minimum stream flows that are pertinent to that surface water source, and not lower SW sources to which the stream under evaluation is tributary. Compare the requested rate against the 1% of 80% natural flow for the pertinent Water Availability Basin (WAB). If Q is not distributed by well, use full rate for each well. Any checked box indicates the well is assumed to have the potential to cause PSI.

Well	SW #	Well < ¼ mile?	Qw > 5 cfs?	Instream Water Right ID	Instream Water Right Q (cfs)	Qw > 1% ISWR?	80% Natural Flow (cfs)	Qw > 1% of 80% Natural Flow?	Interference @ 30 days (%)	Potential for Subst. Interfer. Assumed?
1	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>	39	<input checked="" type="checkbox"/>
1	2	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>	36	<input checked="" type="checkbox"/>
2	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>	39	<input checked="" type="checkbox"/>
2	2	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>	36	<input checked="" type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>

C3b. **690-09-040 (4):** Evaluation of stream impacts by total appropriation for all wells determined or assumed to be **hydraulically connected and less than 1 mile** from a surface water source. **Complete only if Q is distributed among wells.** Otherwise same evaluation and limitations apply as in C3a above.

	SW #	Qw > 5 cfs?	Instream Water Right ID	Instream Water Right Q (cfs)	Qw > 1% ISWR?	80% Natural Flow (cfs)	Qw > 1% of 80% Natural Flow?	Interference @ 30 days (%)	Potential for Subst. Interfer. Assumed?
	1	<input checked="" type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>	39	<input checked="" type="checkbox"/>
	2	<input checked="" type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>	36	<input checked="" type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>

Comments: The available natural flow is 1730 cfs and the instream water right is 1025 cfs. The combined requested discharge rate is 7.0 cfs. The discharge rate is below the 1% value of the natural flow and the instream water right.

C4a. **690-09-040 (5):** Estimated impacts on **hydraulically connected surface water sources greater than one mile** as a percentage of the proposed pumping rate. Limit evaluation to the effects that will occur up to one year after pumping begins. This table encompasses the considerations required by 09-040 (5)(a), (b), (c) and (d), which are not included on this form. Use additional sheets if calculated flows from more than one WAB are required.

Non-Distributed Wells													
Well	SW#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													
(A) = Total Interf.													
(B) = 80 % Nat. Q													
(C) = 1 % Nat. Q													
(D) = (A) > (C)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
(E) = (A / B) x 100		%	%	%	%	%	%	%	%	%	%	%	%

(A) = total interference as CFS; (B) = WAB calculated natural flow at 80% exceed. as CFS; (C) = 1% of calculated natural flow at 80% exceed. as CFS; (D) = highlight the checkmark for each month where (A) is greater than (C); (E) = total interference divided by 80% flow as percentage.

Basis for impact evaluation: _____

C4b. **690-09-040 (5) (b) The potential to impair or detrimentally affect the public interest is to be determined by the Water Rights Section.**

- C5. **If properly conditioned**, the surface water source(s) can be adequately protected from interference, and/or ground water use under this permit can be regulated if it is found to substantially interfere with surface water:
 - i. The permit should contain condition #(s) _____;
 - ii. The permit should contain special condition(s) as indicated in "Remarks" below;

C6. **SW / GW Remarks and Conditions** _____

References Used: _____

D. WELL CONSTRUCTION, OAR 690-200

D1. Well #: _____ Logid: _____

D2. **THE WELL 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) _____

D3. **THE WELL construction deficiency:**

- a. constitutes a health threat under Division 200 rules;
- b. commingles water from more than one ground water reservoir;
- c. permits the loss of artesian head;
- d. permits the de-watering of one or more ground water reservoirs;
- e. other: (specify) _____

D4. **THE WELL construction deficiency is described as follows:** _____

- D5. **THE WELL**
- a. was, or was not constructed according to the standards in effect at the time of original construction or most recent modification.
 - b. I don't know if it met standards at the time of construction.

D6. **Route to the Enforcement Section.** I recommend withholding issuance of the permit until evidence of well reconstruction is filed with the Department and approved by the Enforcement Section and the Ground Water Section.

THIS SECTION TO BE COMPLETED BY ENFORCEMENT PERSONNEL

D7. Well construction deficiency has been corrected by the following actions: _____

_____, 200_____
(Enforcement Section Signature)

D8. **Route to Water Rights Section (attach well reconstruction logs to this page).**

DETAILED REPORT ON THE WATER AVAILABILITY CALCULATION

Water Availability as of 10/14/2003 for

MCKENZIE R > WILLAMETTE R - AB MOUTH

Watershed ID #: 528 Basin: WILLAMETTE Exceedance Level: 80

Time: 10:57 Date: 10/14/2003

Month	Natural Stream Flow	CU + Stor Prior to 1/1/93	CU + Stor After 1/1/93	Expected Stream Flow	Reserved Stream Flow	Instream Water Rights	Net Water Available
1	5040.00	512.00	8.32	4520.00	0.00	1030.00	3490.00
2	5850.00	1210.00	8.31	4630.00	0.00	1030.00	3610.00
3	5630.00	1210.00	8.37	4410.00	0.00	1030.00	3390.00
4	5020.00	1270.00	8.39	3750.00	0.00	1030.00	2720.00
5	4000.00	769.00	8.61	3220.00	0.00	1030.00	2200.00
6	2990.00	353.00	21.20	2620.00	0.00	1030.00	1590.00
7	2160.00	335.00	21.20	1800.00	0.00	1030.00	779.00
8	1790.00	324.00	21.00	1450.00	0.00	1030.00	420.00
9	1730.00	305.00	20.80	1400.00	0.00	1030.00	380.00
10	1830.00	289.00	8.27	1530.00	0.00	1030.00	508.00
11	2850.00	286.00	8.28	2560.00	0.00	1030.00	1530.00
12	4450.00	286.00	8.31	4160.00	0.00	1030.00	3130.00
Stor	3560000	428000	9130	3120000	0	743000	2380000

DETAILED REPORT OF INSTREAM REQUIREMENTS

Water Availability as of 10/14/2003 for

MCKENZIE R > WILLAMETTE R - AB MOUTH

Watershed ID #: 528 Basin: WILLAMETTE Exceedance Level: 80

Time: 10:57 Date: 10/14/2003

APP #	126A	528A	0	0	0	0	0	0	MAXIMUM
Status	App.	Cert.							
1	1025.00	1025.00	0.00	0.00	0.00	0.00	0.00	0.00	1025.00
2	1025.00	1025.00	0.00	0.00	0.00	0.00	0.00	0.00	1025.00
3	1025.00	1025.00	0.00	0.00	0.00	0.00	0.00	0.00	1025.00
4	1025.00	1025.00	0.00	0.00	0.00	0.00	0.00	0.00	1025.00
5	1025.00	1025.00	0.00	0.00	0.00	0.00	0.00	0.00	1025.00
6	1025.00	1025.00	0.00	0.00	0.00	0.00	0.00	0.00	1025.00
7	1025.00	1025.00	0.00	0.00	0.00	0.00	0.00	0.00	1025.00
8	1025.00	1025.00	0.00	0.00	0.00	0.00	0.00	0.00	1025.00
9	1025.00	1025.00	0.00	0.00	0.00	0.00	0.00	0.00	1025.00
10	1025.00	1025.00	0.00	0.00	0.00	0.00	0.00	0.00	1025.00
11	1025.00	1025.00	0.00	0.00	0.00	0.00	0.00	0.00	1025.00
12	1025.00	1025.00	0.00	0.00	0.00	0.00	0.00	0.00	1025.00

71 MODIFIED WILLAMETTE BASIN BASALT GROUNDWATER CONDITION

- (1) Use of water from either well, as allowed herein, shall be controlled or shut off if the well displays:
- (a) An average water level decline of three or more feet per year for five consecutive years; or
 - (b) A total water level decline of fifteen or more feet; or
 - (c) A hydraulic interference decline of fifteen or more feet in any neighboring well providing water for senior exempt uses or wells covered by prior rights.
- (2) The water user shall install a meter or other measuring device suitable to the Director, and shall submit an annual report of water used to the Department by December 1st of each year.
- (3) The permittee/appropriator shall be responsible for complying with each of the following requirements for measuring water levels in the wells.
- (a) Use of water from a new well shall not begin until an initial static water level in the well has been measured and submitted to the Department.
 - (b) In addition to the measurement required in subsection (a) of this section, a water level measurement shall be made each month between the 1st and 5th of each month.
 - (c) All water level measurements shall be made by a qualified individual. Qualified individuals are certified water rights examiners, registered geologists, registered professional engineers, licensed land surveyors, licensed water well constructor, licensed pump installer, or the permittee/appropriator.
 - (d) Any qualified individual measuring a well shall use standard methods of procedure and equipment designed for the purpose of well measurement. The equipment used shall be well suited to the conditions of construction at the well. A list of standard methods of procedure and suitable equipment shall be available from the Department.
 - (e) The permittee/appropriator shall submit a record of the measurements to the Department on a form available from the Department. The record of measurements shall include both measurements and calculations, shall include a certification as to their accuracy signed by the individual making the measurements. The permittee/appropriator shall submit to the Department one year of monthly measurements (Dec - Nov.) by December 1st. The Department shall determine when any of the declines cited in section (1) are evidenced by the well measurement required in section (3).

Conceptual Model -- Generalized Ground Water Flow Systems.

Marc Norton

January 8, 2004

Based on:

OWRD GRID - Ground water Resource Information Distribution

OWRD Ground Water Database

Memo on Recommended Vertical Hydraulic Conductivity Values for the Willamette Silt Hydrogeologic Unit When Using the Hunt Analytical Model, Karl Wozniak, January 6, 2004.

Ground-Water Resources of the Willamette Valley, Oregon, 1942, Water-Supply Paper 890, Piper.

Hydrogeologic Framework of the Willamette Lowland Aquifer System, Oregon and Washington, 1998, US Geological Survey Professional Paper 1424 B, Woodward, Gannett, and Vaccaro.

GENERALIZED GEOLOGY

The Willamette Lowland in Oregon and Washington encompasses 3,700 square mile and includes the low-lying parts of the Willamette Valley in Oregon and most of Clark county in Washington. About 70% of the population of Oregon and Clark County reside in the lowlands. The lowland is 145 miles long and averages 10 to 15 miles in width. Water is recharged to the Willamette Lowland aquifer system primarily through the direct infiltration of precipitation on the lowland. The regional water-table map shows an overall pattern of ground-water flow to the major streams, indicating that the base flow of these streams is sustained by ground water discharge. This ground-water discharge fully supports the base flow of streams that head in the lowland and partially support the base flow of the other streams.

HYDROGEOLOGIC UNITS

The aquifer system is composed of five hydrogeologic units, from oldest to youngest:

- 1) the basement confining unit,
- 2) the Columbia River basalt aquifer,
- 3) the Willamette confining unit,
- 4) the Willamette aquifer, and
- 5) the Willamette silt unit.

The basement-confining unit forms the lateral and basal boundary to the Willamette aquifer system. The basement-confining unit includes all the stratigraphic units that underlie either the Columbia River Basalt Group in the northern part of the basin or the basin-fill deposits in the southern part. The unit is composed of marine sedimentary rocks and volcanic rocks of the Coast and Cascade ranges. The basement-confining unit is generally a low yielding aquifer where wells develop water primarily from fractures in the rock. Ground water can be found under unconfined conditions in the highlands and under confined conditions with greater depth and lower elevations. Yields are

generally less than 10 gpm and usually decrease over time. The deeper the well, the greater the chance of brackish water being encountered.

The Columbia River basalt aquifer overlies the basement-confining unit and consists of layers of basalt flows of the Columbia River Basalt Group. The thickness of the aquifer generally is several hundred feet but locally is as much as 1000 feet. Ground water in the basalts is generally under confined conditions except in the foot-hills where they may be unconfined. Well yields vary from tens to hundreds of gallons per minutes. Brackish water has been encountered in several areas, particularly with depth.

The Willamette confining unit consists primarily of fine-grained, distal alluvial fan and low-gradient stream deposits. The fine-grained deposits are considered a regional confining unit because of their wide spread occurrence and low permeability. Ground water in the Willamette confining unit is generally under confined conditions and well yields are very low to "dry".

The Willamette aquifer consists primarily of coarse-grained proximal alluvial-fan and braided-stream deposits. The greatest thickness, and coarsest materials of the Willamette aquifer outside of the Portland Basin occur in six major alluvial fans that were deposited where major streams from the Cascade Range enter the Willamette Lowland. Ground water in the Willamette aquifer unit varies from unconfined to confined conditions, depending on location and depth. Vertical gradients are usually downward except near major streams. Deposits of lower permeable material can act as a confining layer but are generally of limited aerial extent.

The Willamette silt unit is deposited throughout much of the Willamette Lowland by glacial-outburst floods. The deposits range in thickness from 0 to 130 feet. They consist primarily of silt and fine sand of relatively uniform lithology. Ground water in the Willamette silt unit is generally under unconfined conditions and well yields are low, less than 5 to 10 gpm.

STRUCTURAL BASINS

Outcrops of folded and faulted basalt within the Willamette Valley divide the lowland into four separate areas or structural basins -- from north to south, **the Portland Basin, the Tualatin Basin, the central Willamette Valley, and the southern Willamette valley**. Each of these areas has decidedly different hydrologic and hydrogeologic properties. The aquifer system in each basin, although hydraulically connected through a series of restrictive water gaps, is distinctive.

Tualatin Basin. The Columbia River basalt aquifer and the Willamette confining unit are the only regional hydrogeologic units above the basement-confining unit in the Tualatin Basin. The Columbia River basalt aquifer underlies the entire basin, and its upper surface forms a sediment-filled bowl-like depression.

The Central Willamette Valley All five of the hydrogeologic units occur in the central Willamette Valley. The Columbia River basalt aquifer underlies the entire central Willamette Valley, except for small areas along the far eastern margin. A number of faults have been mapped in the central Willamette Valley, some of which offset the aquifer, and numerous other faults have been mapped in the uplands surrounding the basin where the aquifer crops out. The Willamette aquifer in the central Willamette Valley contains three major alluvial fans -- the Salem fan, the Molalla fan, and the Canby fan. The Willamette Silt unit overlies most of the central valley

with a maximum thickness of about 130 feet near the center and thins towards the south and near the margins of the basin.

The Southern Willamette Valley In the southern Willamette Valley, all of the regional hydrogeologic units are present; however, the Columbia River basalt aquifer occurs only in the Stayton area. The Willamette confining unit is thinner in the southern Willamette Valley than elsewhere in the Willamette Lowland. The Willamette aquifer contains the Lebanon fan and the Stayton fan. The Willamette aquifer is much thinner (averaging only about 20 to 40 feet thick) between the alluvial fans of the southern Willamette Valley. The Willamette Silt unit covers most of the southern Willamette Valley and generally thin towards the south.

GROUND WATER MODEL PARAMETERS

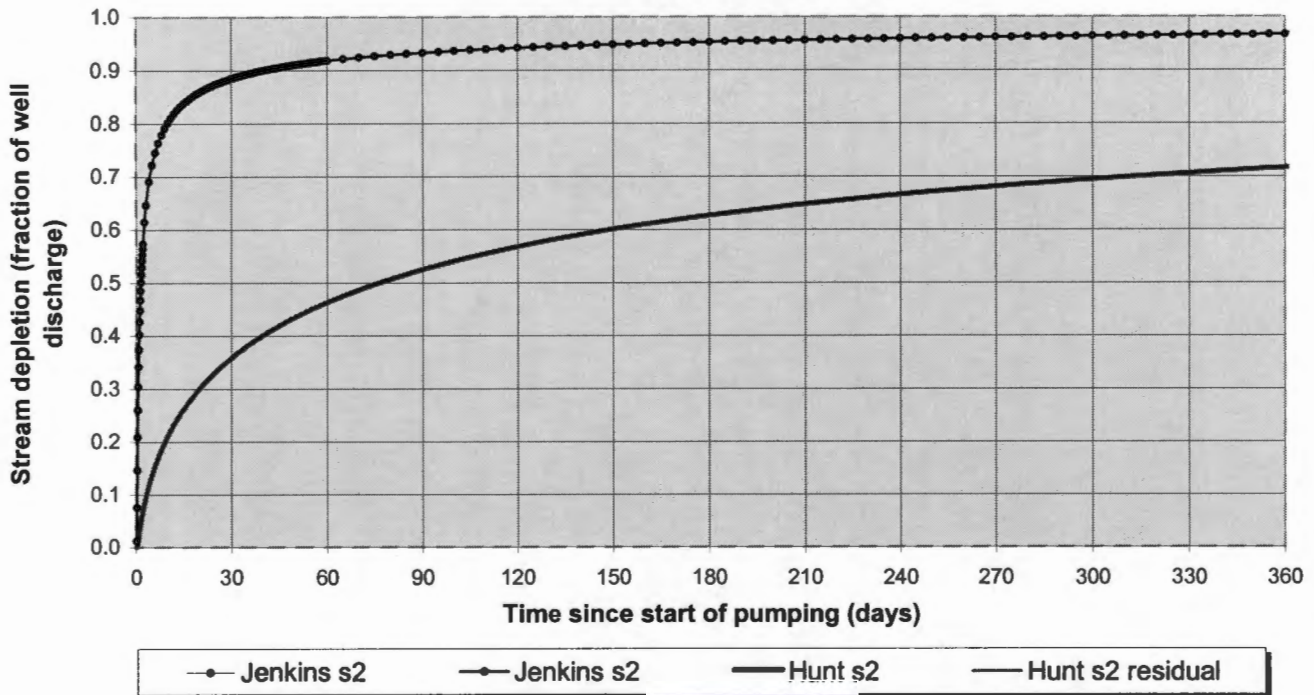
The version of the Hunt model being used has been modified to account for different units for each parameter. Values for most of the parameters used are taken from the application file.

Hydrogeologic conditions at the site are based on the Applicant's and other nearby Water Well Reports. Some of the parameters are discussed below:

Net Steady Pumping Rate:	Calculated discharge rate so as to not exceed allocation for season or year (Examples: 2.5 AF for irrigation, 5.0 AF for Ag use).
Aquifer hydraulic conductivity:	Unless there is site-specific information, use values, based on geologic material, from a table such as Freeze & Cherry, Page 29.
Aquifer storativity or specific yield:	Use the following values unless there is site-specific data: Unconfined = 0.02 and Confined = 0.0001.
Streambed hydraulic conductivity:	Generally use a value that is 2 orders of magnitude less than the aquifer hydraulic conductivity: if the underlying geologic unit is the Willamette Silt, use 0.005.
Streambed thickness:	Generally use 3 feet unless well penetrates the Willamette Silts, then use thickness of the silt based on Water Well Reports or USGS Professional Paper 1424.

Transient Stream Depletion (Jenkins, 1970; Hunt, 1999)

Rainbow Water District



Output for Hunt Stream Depletion, Scenario 2 (s2):

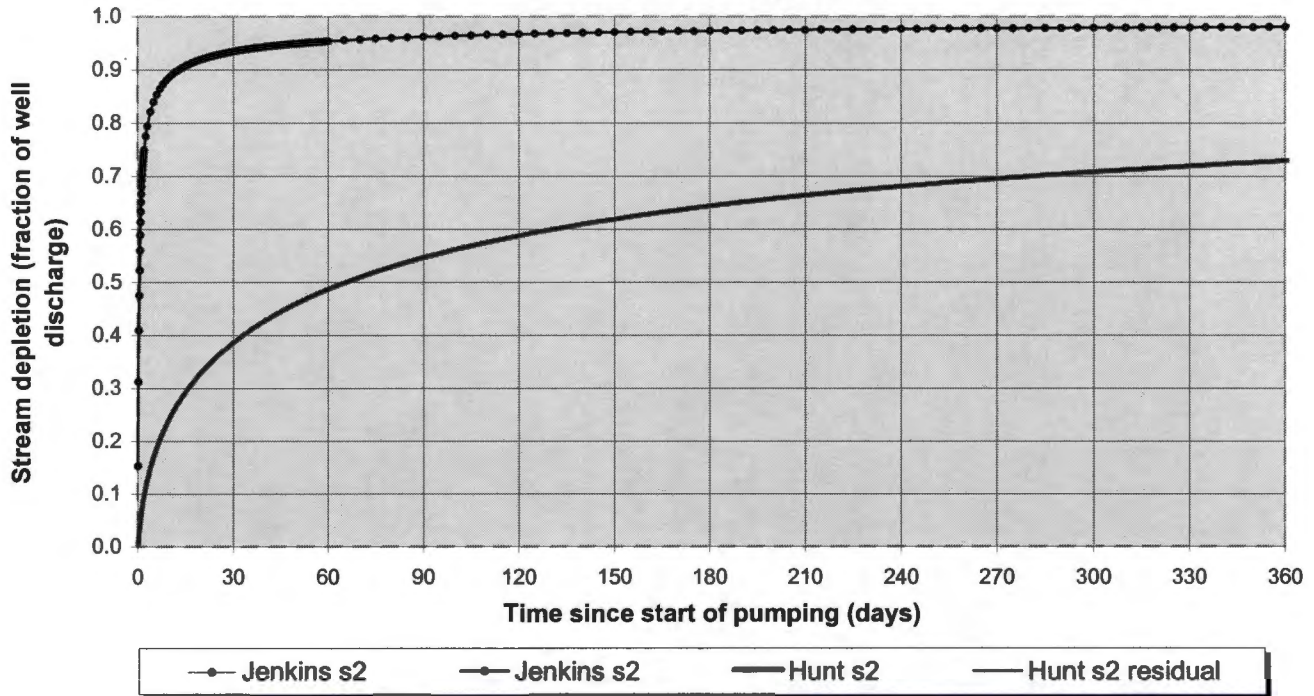
Days	30	60	90	120	150	180	210	240	270	300	330	360
Hunt SD s2	0.3587	0.4634	0.5254	0.5685	0.6011	0.6269	0.6481	0.6659	0.6812	0.6945	0.7063	0.7167
Qw, cfs	7.000	7.000	7.000	7.000	7.000	7.000	7.000	7.000	7.000	7.000	7.000	7.000
H SD s2, cfs	2.511	3.244	3.678	3.980	4.209	4.388	4.537	4.661	4.768	4.862	4.944	5.017

Parameters:

		Scenario 1	Scenario 2	Scenario 3	Units
Net steady pumping rate	Qw	7	7	7	cfs
Distance to stream	a	2200	2200	2200	ft
Aquifer hydraulic conductivity	K	100	225	500	ft/day
Aquifer thickness	b	340	340	340	ft
Aquifer transmissivity	T	34000	76500	170000	ft ² /day
Aquifer storage coefficient	S	0.02	0.02	0.02	
Stream width	ws	25	25	25	ft
Streambed hydraulic conductivity	Ks	1	1	10	ft/day
Streambed thickness	bs	3	3	3	ft
Streambed conductance	sbc	8.333333333	8.333333333	83.33333333	ft/day
Stream depletion factor (Jenkins)	sdf	2.84705824	1.265359477	0.569411765	days
Streambed factor (Hunt)	sbf	0.539215000	0.239051410	1.078431373	

Transient Stream Depletion (Jenkins, 1970; Hunt, 1999)

Rainbow Water District

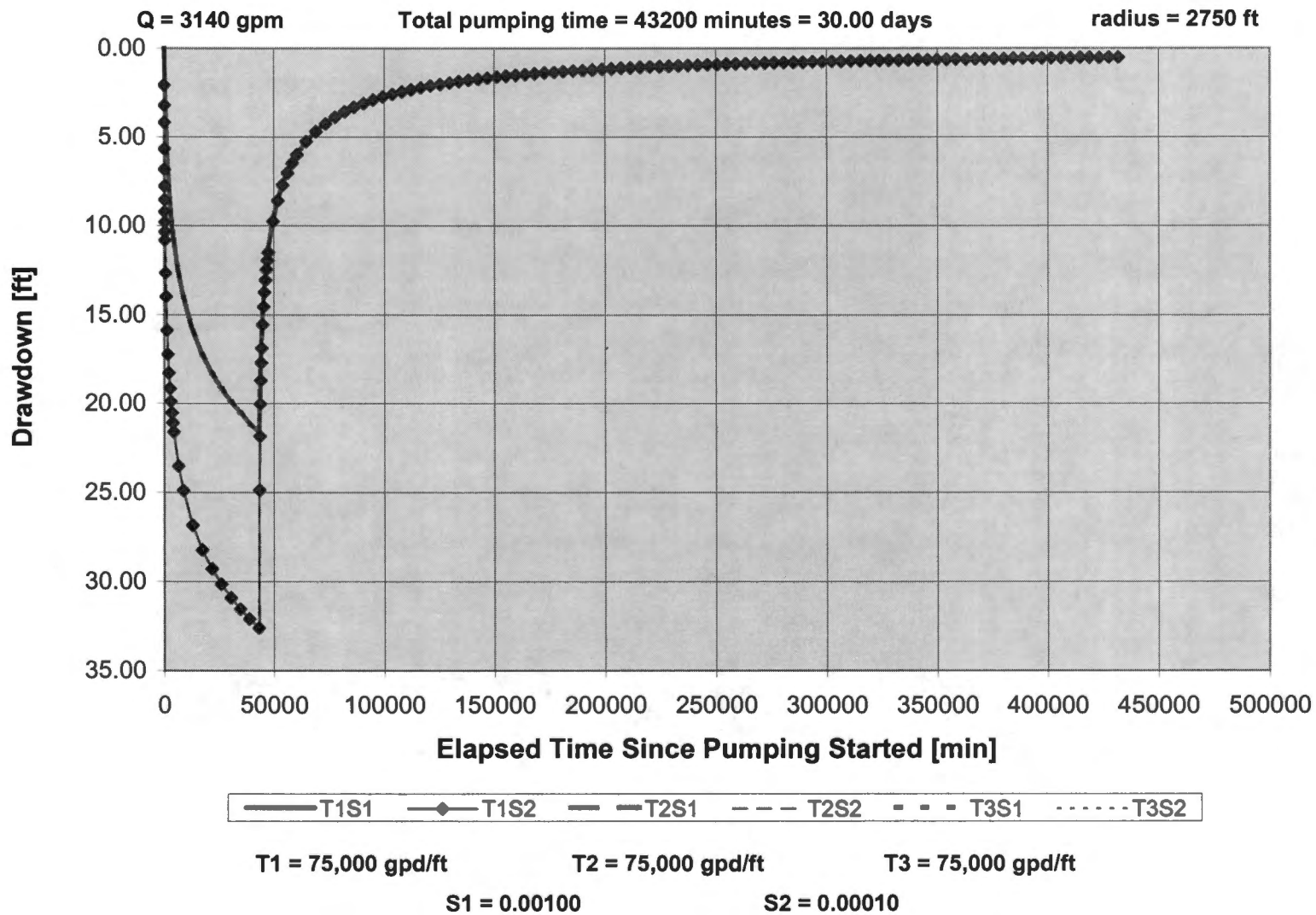


Output for Hunt Stream Depletion, Scenerio 2 (s2):

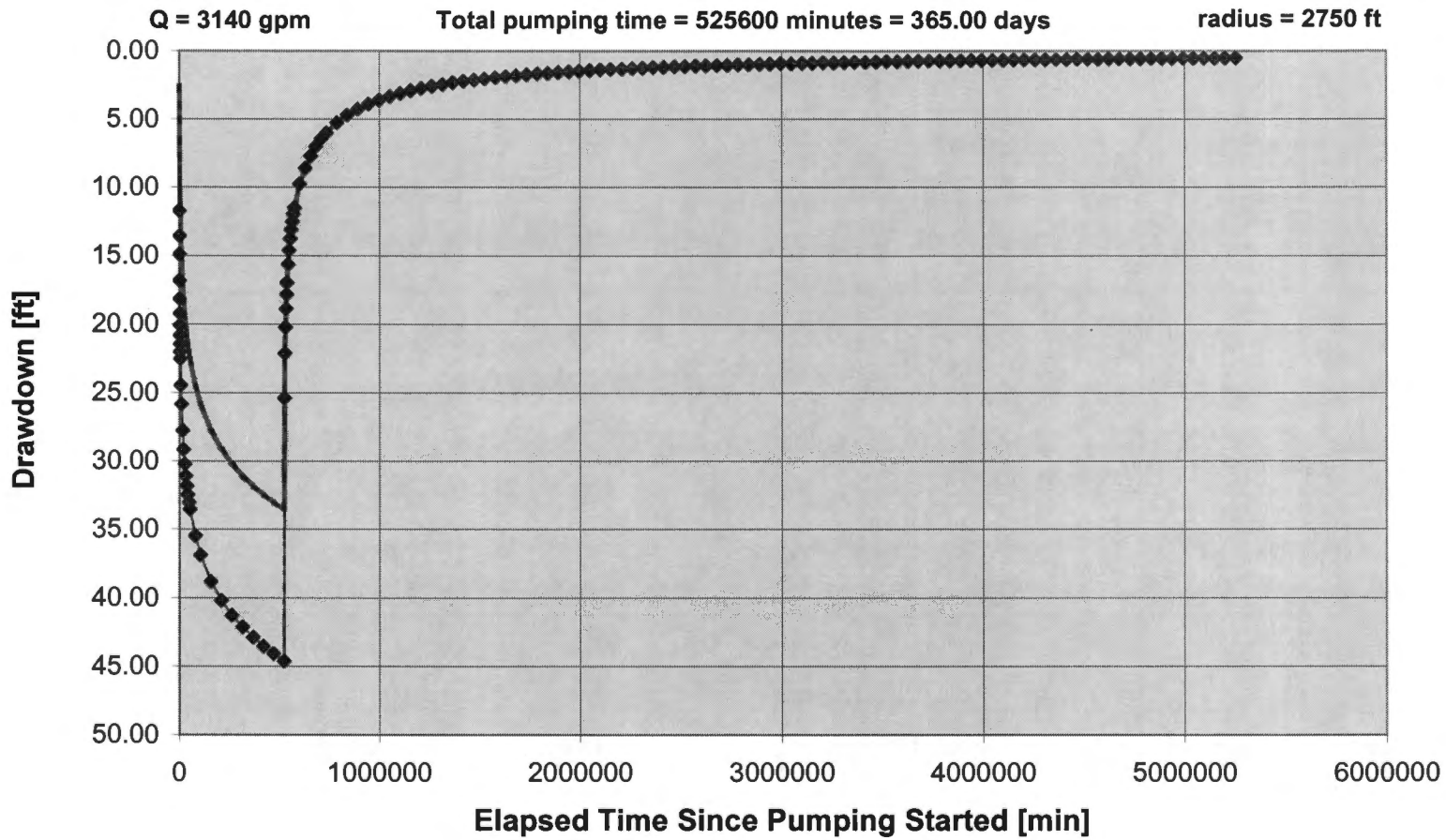
Days	30	60	90	120	150	180	210	240	270	300	330	360
Hunt SD s2	0.3865	0.4872	0.5467	0.5880	0.6192	0.6439	0.6641	0.6812	0.6958	0.7085	0.7197	0.7297
Qw, cfs	7.000	7.000	7.000	7.000	7.000	7.000	7.000	7.000	7.000	7.000	7.000	7.000
H SD s2, cfs	2.705	3.411	3.827	4.116	4.334	4.507	4.649	4.768	4.870	4.959	5.038	5.108

Parameters:		Scenario 1	Scenario 2	Scenario 3	Units
Net steady pumping rate	Qw	7	7	7	cfs
Distance to stream	a	1250	1250	1250	ft
Aquifer hydraulic conductivity	K	100	225	500	ft/day
Aquifer thickness	b	340	340	340	ft
Aquifer transmissivity	T	34000	76500	170000	ft*ft/day
Aquifer storage coefficient	S	0.02	0.02	0.02	
Stream width	ws	25	25	25	ft
Streambed hydraulic conductivity	Ks	1	1	10	ft/day
Streambed thickness	bs	3	3	3	ft
Streambed conductance	sbc	8.333333333	8.333333333	83.33333333	ft/day
Stream depletion factor (Jenkins)	sdf	0.919117647	0.408496732	0.183823529	days
Streambed factor (Hunt)	sbf	0.306372549	0.136165577	0.612745098	

Theis Drawdown and Recovery at r = 2750 ft From Pumping Well



Theis Drawdown and Recovery at r = 2750 ft From Pumping Well



— T1S1	—◆— T1S2	- - - T2S1	- . - . T2S2	- - - T3S1 T3S2
T1 = 75,000 gpd/ft	T2 = 75,000 gpd/ft	T3 = 75,000 gpd/ft			
S1 = 0.00100		S2 = 0.00010			

INTEROFFICE MEMORANDUM

Water Rights Section

TO: Fred Llsner May 16, 2003
FROM: Kerry Lefever
RE: GW File Number G-15840 Rainbow Water District

On November 18, 2002, Marc Norton completed the ground water review for two wells (LANE 11118 and LANE 11119) for this application. Marc determined that the proposed ground water use **will have the potential for substantial interference (PSI) with surface water, namely McKenzie River.** Surface water from McKenzie River (WID 528) is available year round at 80% exceedance.

Apparently, you and Debbie Colbert (per Dwight) determined that since water is available year round, a re-review by Marc using the revised Division 9 form would not be necessary.

However, based on recent comments from ODFW regarding nearby applications, anticipated ODFW comments for this application may limit the proposed use. **Therefore, please re-review this application to determine if the finding of PSI will change using the new Division 9 form.**

Please route to me when finished.

Thanks.

Memo

Oregon Water Resources Department Water Rights Section

To: Kerry Lefever and Russ Klassen

April 4, 2003

From: Dwight French, Water Rights Section Manager

RE: Files G15810 and G15840

It appeared that these files needed a re-review because of potential for substantial interference with SW. Since SW is available, a re-review is most likely not needed. Therefore, please resume processing.

If the PSI finding poses some kind of limitation, please bring back to me so I can see if a new Div 9 review, using the new div 9 form, should be conducted.

Thanks

TO: Water Rights Section

Nov 18, 2002

FROM: Ground Water/Hydrology Section

Maureen Norton

Reviewer's Name

SUBJECT: Application G- 15840

GROUND WATER/SURFACE WATER CONSIDERATIONS

- 1. PER THE W. Hammett Basin rules, one or more of the proposed POA's is/is not within _____ feet/mile of a surface water source (_____) and taps a ground water source hydraulically connected to the surface water.
- 2. BASED UPON OAR 690-09 currently in effect, I have determined that the proposed ground water use
 - a. will, or have the potential for substantial interference with the nearest
 - b. will not surface water source, namely McKenzie 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 from substantial interference.

GROUND WATER AVAILABILITY CONSIDERATIONS

- 3. BASED UPON available data, I have determined that ground water for the proposed use
 - a. will, or likely be available in the amounts requested without injury to prior rights
 - b. will not and/or within the capacity of the resource; or
 - c. will if properly conditioned, avoid injury to existing rights or to the ground water resource:
 - i. The permit should contain condition #(s) 7A, 7B;
 - 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
- 4.
 - a. THE PERMIT should allow ground water production from no deeper than _____ ft. below land surface;
 - b. The permit should allow ground water production from no shallower than _____ ft. below land surface;
 - c. The permit should allow ground water production only from the _____ ground water 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 Considerations on Reverse Side)

WELL CONSTRUCTION (If more than one well doesn't meet standards, attach an additional sheet.)

5. 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) _____
6. THE WELL construction deficiency:
- a. ___ constitutes a health threat under Division 200 rules;
 - b. ___ commingles water from more than one ground water reservoir;
 - c. ___ permits the loss of artesian head;
 - d. ___ permits the de-watering of one or more ground water reservoirs;
 - e. ___ other: (specify) _____
7. THE WELL construction deficiency is described as follows: _____
8. 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.

SECTION TO BE COMPLETED BY ENFORCEMENT PERSONNEL THIS

I concur in G/H's recommendation A or B above relating to conditioning or withholding the permit

_____, 199__.

(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: _____

_____, 199__.

(Signature)

WATER RESOURCES DEPARTMENT MEMORANDUM

TO: Ground Water/Hydrology
FROM: Marc Norton
SUBJECT: Ground Water Application G- 15840

Date 11/18/2002

Applicant(s) seek 3140 gpm (7.0 cfs)

from 2 wells in the
Willamette basin
McKenzie sub basin
sub basin

Applicants Name: Rainbow Water Dist
Proposed Use: Municipal

Pertinent 7 & 1/2 minute Quads Eugene East

Well 1 WRD# LANE 11118 T 17S R 3W S 15 QQ BB County Lane

Legal Description _____
Well is 1750 ft from McKenzie River (river/stream)
Well is _____ ft from _____ (river/stream)
Well Elevation 422 ft River/Stream elevation 410 ft.
Well Elevation - River/Stream elevation ± 12 ft.
Well depth 360 ft SWL 21 ft on 4/25/75
Sealed to 30 ft Depth first water found 40 ft
Cased to 120 ft Perforations/screens 130-260 ft
Lined to 260-360 ft Perforations/screens 280-340 ft
Well test and types Pump Test 1560 GPM @ 99 ft d/d after 24 hrs
(Confined/Semi-confined/Unconfined) Direct hydraulic connection? YES / NO
Potential to cause substantial interference? YES

Well 2 WRD# LANE 11119 T 17S R 3W S 15 QQ BB County LANE

Legal Description _____
Well is 1850 ft from McKenzie River (river/stream)
Well is _____ ft from _____ (river/stream)
Well Elevation 422 ft River/Stream elevation 470 ft.
Well Elevation - River/Stream elevation ± 12 ft.
Well depth 38 ft SWL 20 ft on 1/21/75
Sealed to 34 ft Depth first water found 21 ft
Cased to 120 ft Perforations/screens 120-200, 200-240 ft
Lined to 120-240 ft Perforations/screens 260-300, 310-370 ft
Well test and types 2000 GPM @ 60 ft d/d after 24 hrs
(Confined/Semi-confined/Unconfined) Direct hydraulic connection? YES / NO
Potential to cause substantial interference? YES

Comments See Ground Water Application for Springfield Utility Board & Eugene Water & Power

References Used: _____

NOTICE TO WATER WELL CONTRACTOR
The original and first copy
of this report are to be
filed with the

NC RECEIVED
WATER WELL REPORT

STATE OF OREGON JUL 5 1974 State Well No. 17S/3W-10cb

(Please type or print) STATE ENGINEER State Permit No. LANE 11118

(Do not write above this line) SALEM, OREGON

STATE ENGINEER, SALEM, OREGON 97310
within 30 days from the date
of well completion.

(1) OWNER:

Name Rainbow Water Dist I-5 Field Well No. 1
Address _____

(2) TYPE OF WORK (check):

New Well Deepening Reconditioning Abandon
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary Driven
Cable Jetted
Dug Bored

(4) PROPOSED USE (check):

Domestic Industrial Municipal
Irrigation Test Well Other

CASING INSTALLED:

Threaded Welded
20 " Diam. from GL ft. to 30 ft. Gage 250
14 " Diam. from GL ft. to 120 ft. Gage 250
14 " Diam. from 260 ft. to 280 ft. Gage 250
14 " Diam. from 340 ft. to 360 ft. Gage 250

PERFORATIONS:

Perforated? Yes No.

Type of perforator used

Size of perforations in. by in.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

(7) SCREENS:

Well screen installed? Yes No

Manufacturer's Name Johnson
Type Irrigation Model No. _____
Diam. 14 Slot size 100 Set from 130 ft. to 260 ft.
Diam. 14 Slot size 100 Set from 280 ft. to 340 ft.

(8) WELL TESTS:

Drawdown is amount water level is lowered below static level

Was a pump test made? Yes No. If yes, by whom?
Yield: 1560 gal./min. with 89 ft. drawdown after 1 hrs.
1560 " 94 " 8 "
1560 " 99 " 24 "
Ballor test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
perature of water Depth artesian flow encountered _____ ft.

(9) CONSTRUCTION:

Well seal—Material used Cement
Well sealed from land surface to 30 ft.
Diameter of well bore to bottom of seal 24 in.
Diameter of well bore below seal 24 in.
Number of sacks of cement used in well seal 41 sacks
Number of sacks of bentonite used in well seal _____ sacks
Brand name of bentonite _____
Number of pounds of bentonite per 100 gallons of water _____ lbs./100 gals.
Was a drive shoe used? Yes No Plugs _____ Size: location _____ ft.
Did any strata contain unusable water? Yes No
Type of water? _____ depth of strata _____
Method of sealing strata off _____
Was well gravel packed? Yes No Size of gravel: 3/8
Gravel placed from GL ft. to 360 ft.

(10) LOCATION OF WELL:

County Lane Driller's well number _____
NW 1/4 SW 1/4 Section 10 T. 17S R. 3W W.M. _____
Bearing and distance from section or subdivision corner _____

(11) WATER LEVEL: Completed well.

Depth at which water was first found 40 ft.
Static level 21 ft. below land surface. Date 4-25-74
Artesian pressure _____ lbs. per square inch. Date _____

(12) WELL LOG:

Diameter of well below casing _____

Depth drilled 360 ft. Depth of completed well 360 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
top soil & gravel	0	14	
cemented gravel	14	30	
lose sand & gravel (large)	30	40	
brown cemented sand & gravel			
med. seams of water	40	50	
lose sand & gravel (med)	50	55	
brown cemented sand clay & gravel (med to large) seams	55	95	
cemented clay sand & small gravel	95	100	
brown sandy clay	100	110	
lose cemented sand clay & gravel	110	120	
brown cemented sand gravel & clay seams of soft sand & clay	120	275	
blue sandy clay	275	285	
blue sand & gravel (small)	285	310	
blue sandy clay	310	320	
blue rock	320	360	

Work started 2-10 1974 Completed 4-26 1974
Date well drilling machine moved off of well 4-30 1974

Drilling Machine Operator's Certification:

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

[Signed] Frank Wilson Date 4/30, 1974
(Drilling Machine Operator)

Drilling Machine Operator's License No. 404

Water Well Contractor's Certification:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

Name W. W. Drilling & Pump Service
(Person, firm or corporation) (Type or print)
Address 2320 Main Street, Spfd., Oregon

[Signed] Frank Wilson
(Water Well Contractor)

Contractor's License No. 562 Date 5/10, 1974

TO WATER WELL CONTRACTOR
The original and first copy
of this report are to be
filed with the

STATE ENGINEER, SALEM, OREGON 97310
within 30 days from the date
of well completion.

WATER WELL REPORT

STATE OF OREGON

(Please type or print)

(Do not write above this line)

RECEIVED

FEB 6 1975

State Well No.

STATE ENGINEER

State Permit No.

15 bbc
775/321-100
LANE 11119
Pg 1 of 2

(1) OWNER:

Name Rainbow Water Dist, I-5 #2
Address P.O. Box 8
Spfd, Oregon 97477

(2) TYPE OF WORK (check):

New Well Deepening Reconditioning Abandon

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary Cable Dig
Driven Jetted Bored

(4) PROPOSED USE (check):

Domestic Industrial Municipal
Irrigation Test Well Other

(5) CASING INSTALLED:

Threaded Welded
20" Diam. from + 1 ft. to 34 ft. Gage 250
14" Diam. from + 4 ft. to 120 ft. Gage 250
14" Diam. from 200 ft. to 220 ft. Gage 250

(6) PERFORATIONS:

Perforated? Yes No.

type of perforator used

Size of perforations in. by in.
..... perforations from ft. to ft.
..... perforations from ft. to ft.
..... perforations from ft. to ft.

(7) SCREENS:

Well screen installed? Yes No

Manufacturer's Name Johnson
Type Irrigator Model No.
Diam. 14 Slot size 1.00 Set from 120 ft. to 200 ft.
Diam. 14 Slot size 1.00 Set from 220 ft. to 240 ft.

(8) WELL TESTS:

Drawdown is amount water level is lowered below static level

Was a pump test made? Yes No If yes, by whom?
..... d: 2000 gal./min. with 60 ft. drawdown after 24 hrs.
" 1500 " " 50 " " 1 "
..... " " " " " "
Bailer test gal./min. with ft. drawdown after hrs.
..... Artesian flow g.p.m.
..... temperature of water Depth artesian flow encountered ft.

(9) CONSTRUCTION:

Well seal—Material used Cement
Well sealed from land surface to 34 ft.
Diameter of well bore to bottom of seal 24 in.
Diameter of well bore below seal 24 in.
Number of sacks of cement used in well seal 40 sacks
Number of sacks of bentonite used in well seal 0 sacks
Brand name of bentonite
Number of pounds of bentonite per 100 gallons of water lbs./100 gals.
Was a drive shoe used? Yes No Plugs Size: location ft.
Did any strata contain unusable water? Yes No
Type of water? depth of strata
Method of sealing strata off
Was well sealed? Yes No Size of gravel: 3/8" Diameter

(10) LOCATION OF WELL:

County Lane Driller's well number
NS 1/4 SW 1/4 Section 10 T.17S R.3W W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.

Depth at which water was first found 21' ft.
Static level 20 ft. below land surface. Date
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing

Depth drilled 380 ft. Depth of completed well 380 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Loam	0	5	
Boulders sandy clay	5	18	
Sand gravel	18	25	
Clay gravel boulders	25	120	
Sand gravel	120	200	
Clay & gravel with water streaks	200	330	
Sand pea gravel with wood	330	380	

Work started 11/1 1974 Completed 1/21 1975
Date well drilling machine moved off of well 1/29 1975

Drilling Machine Operator's Certification:

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

[Signed] [Signature] Date 1/29, 1975
(Drilling Machine Operator)

Drilling Machine Operator's License No. 796

Water Well Contractor's Certification:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

Name W.W. Drilling & Pump Service
(Person, firm or corporation) (Type or print)
Address 2320 Main Street, Spfd, Oregon 97477

[Signed] [Signature]
(Water Well Contractor)

NOTICE TO WATER WELL CONTRACTOR

The original and first copy of this report are to be filed with the

STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

WATER WELL REPORT

STATE OF OREGON

(Please type or print)

(Do not write above this line)

State Well No.

State Permit No. **LANE 11119**

pg 2 of 2

(1) OWNER:

Name Rainbow Water Dist I-5 # 2
Address P.O. box 8
Spcd, Oregon 97477

(2) TYPE OF WORK (check):

New Well Deepening Reconditioning Abandon

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

(4) PROPOSED USE (check):

Rotary Driven Domestic Industrial Municipal
Cable Jetted Irrigation Test Well Other
Dug Bored

CASING INSTALLED: Threaded Welded
.14" Diam. from .240 ft. to .260 ft. Gage .250
.14" Diam. from .300 ft. to .310 ft. Gage .250
.14" Diam. from .370 ft. to .380 ft. Gage .250

PERFORATIONS:

Perforated? Yes No.

Type of perforator used

Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:

Well screen installed? Yes No

Manufacturer's Name _____
Type _____ Model No. _____
Diam. 14 Slot size 100 Set from 260 ft. to 300 ft.
Diam. 14 Slot size 100 Set from 310 ft. to 370 ft.

(8) WELL TESTS:

Drawdown is amount water level is lowered below static level

Was a pump test made? Yes No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
_____ " " " "
_____ " " " "
Packer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water Depth artesian flow encountered ft.

(9) CONSTRUCTION:

Well seal—Material used _____
Well sealed from land surface to _____ ft.
Diameter of well bore to bottom of seal _____ in.
Diameter of well bore below seal _____ in.
Number of sacks of cement used in well seal _____ sacks
Number of sacks of bentonite used in well seal _____ sacks
Brand name of bentonite _____
Number of pounds of bentonite per 100 gallons of water _____ lbs./100 gals.
Was a drive shoe used? Yes No Plugs _____ Size: location _____ ft.
Did any strata contain unusable water? Yes No
Type of water? _____ depth of strata _____
Method of sealing strata off _____
Was well gravel packed? Yes No Size of gravel: _____

(10) LOCATION OF WELL:

County _____ Driller's well number _____
_____ 1/4 Section T. R. W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.

Depth at which water was first found _____ ft.
Static level _____ ft. below land surface. Date _____
Artesian pressure _____ lbs. per square inch. Date _____

(12) WELL LOG:

Diameter of well below casing _____

Depth drilled _____ ft. Depth of completed well _____ ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL

Work started 1/1 1974 Completed 1/29 1975

Date well drilling machine moved off of well 1/29 1975

Drilling Machine Operator's Certification:

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

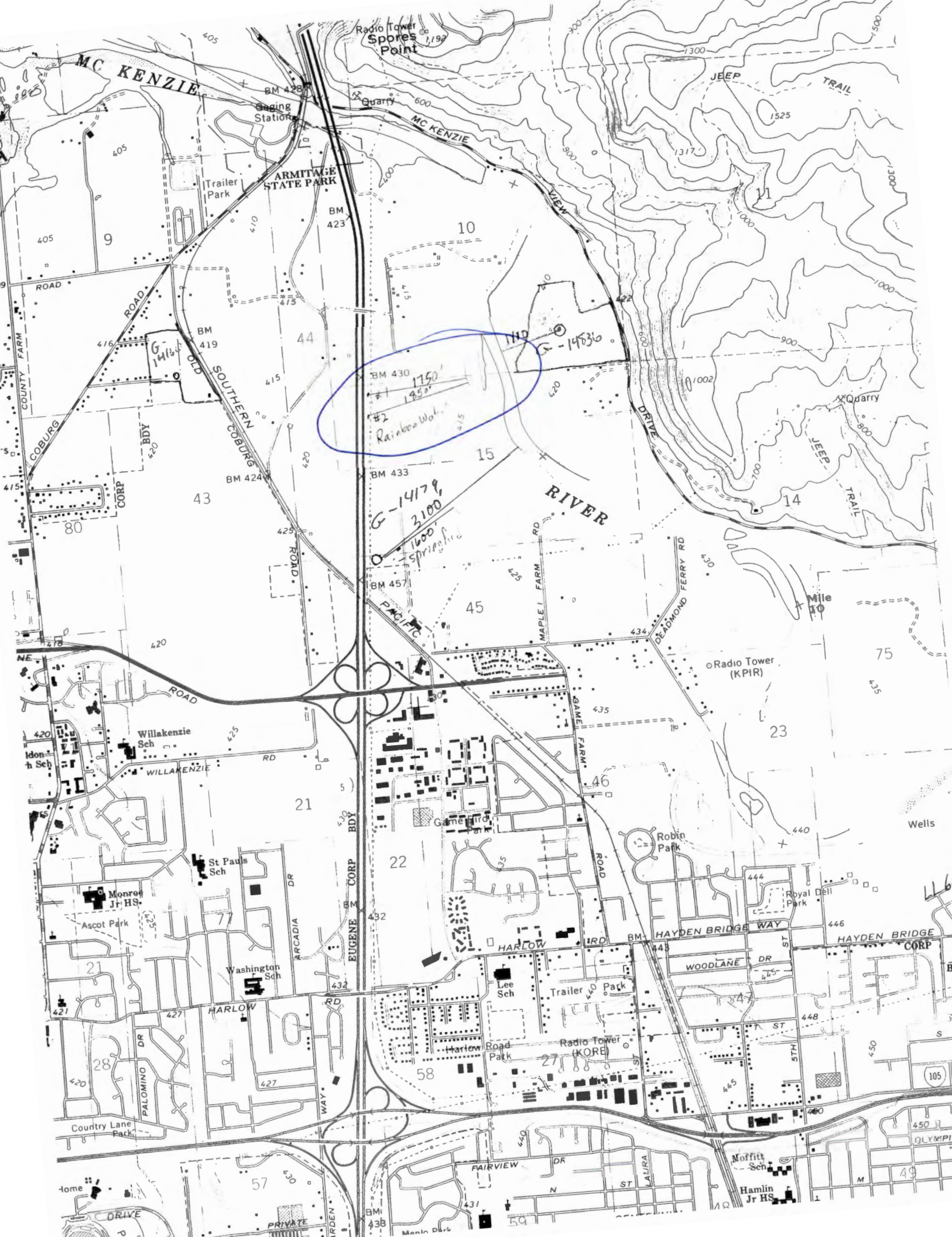
[Signed] _____ Date 1/29 1975
(Drilling Machine Operator)
Drilling Machine Operator's License No. 296

Water Well Contractor's Certification:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

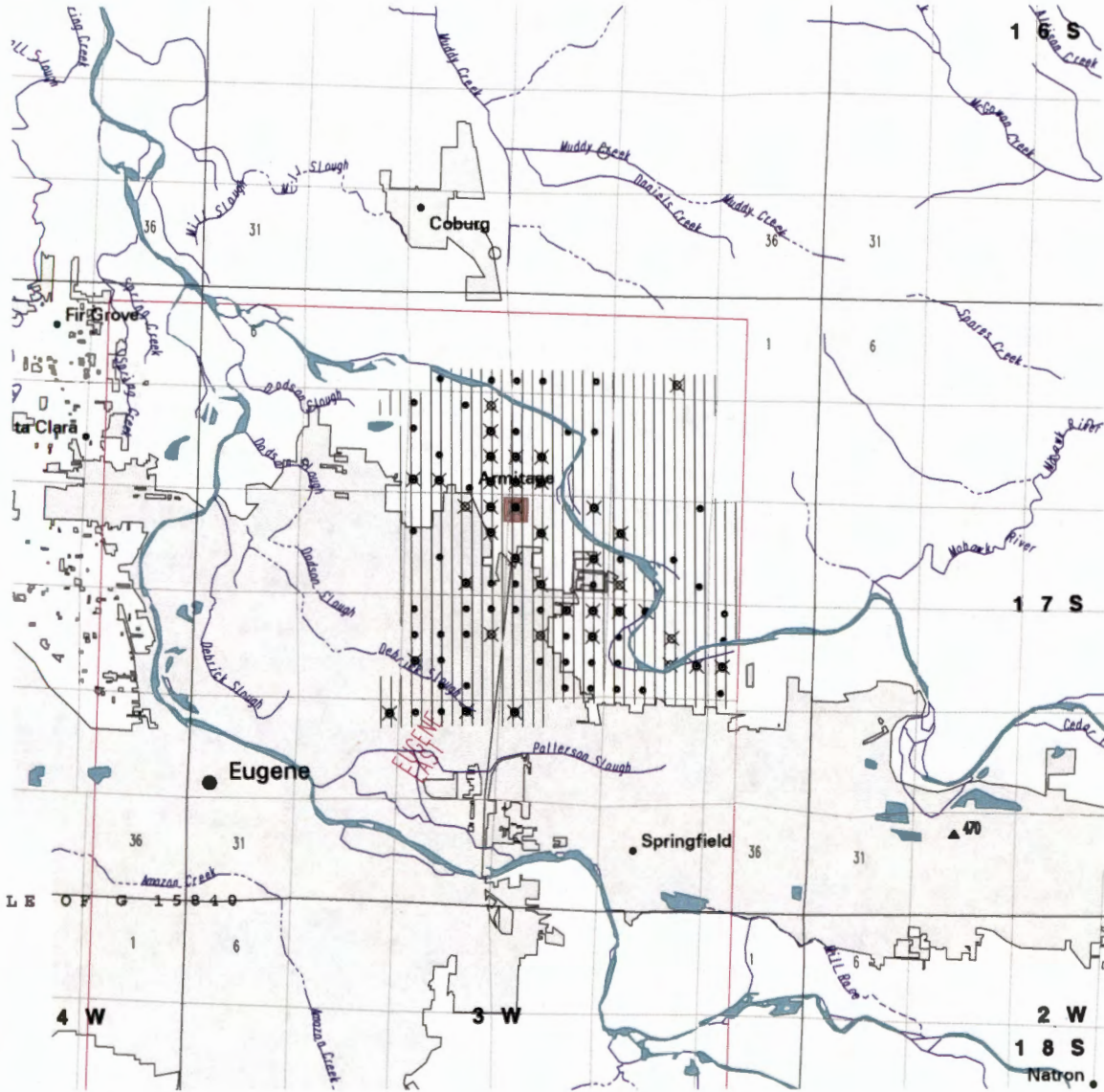
Name W.W. Drilling & Pump Service
(Person, firm or corporation) (Type or print)
Address 2320 Main Street, Spfd, Oregon 97477

[Signed] Frank Wilson
(Water Well Contractor)



Wells in the vicinity of application G 15840

- Application well(s) in this 1/4-1/4 section
- Well(s) identified in this section from OWRD's well log database within 1 mi. radius of application well(s)
- Well(s) identified in this 1/4-1/4 section from OWRD's well log database within 1 mi. radius of application well(s)
- ⊗ Permitted well(s) in this 1/4-1/4 section within 1 mi. radius of application well(s)
- Conditioned, permitted well(s) in this 1/4-1/4 section within 5 mi. radius of application well(s)
- ▲ OWRD Observation well and well-id within 5 mi. radius of application well(s)
- Critical GW Area
- - - Regulated GW Area



WELLS WITHIN 1 MILE OF G 15840

DO	106
ID	38
IM	4
IR	88
MO	96
MU	10

PERMITTED WELLS WITHIN 1 MILE OF APPLICATION G 15840

\$RECNO	APPLICATION	PERMIT	LOC-QQ	USE	RATE	DIV-UNITS
1	G	1584	G 1506	17.00S 3.00W 2SWSE IR	0.0600	C
2	GR	1857	GR 1798	17.00S 3.00W 9NENE ID	30.0000	G
3	GR	3385	GR 3126	17.00S 3.00W 9SENE IR	300.0000	G
4	G	2267	G 2102	17.00S 3.00W 9NESE IR	0.3900	C
4	G	7995	G 7417	17.00S 3.00W 9NESE IR	0.5900	C
5	GR	877	GR 850	17.00S 3.00W10NWSW IR	180.0000	G
6	GR	381	GR 368	17.00S 3.00W10NESW IR	150.0000	G
6	GR	2829	GR 2668	17.00S 3.00W10NESW IR	120.0000	G
6	GR	3905	GR 3546	17.00S 3.00W10NESW IR	120.0000	G
7	GR	1839	GR 1784	17.00S 3.00W 9SWSW IR	100.0000	G
8	G	14160	G 12814	17.00S 3.00W 9SESW IR	0.2740	C
9	GR	3556	GR 3269	17.00S 3.00W 9SESE IR	252.0000	G
10	GR	878	GR 852	17.00S 3.00W10SWSW IR	160.0000	G
10	GR	879	GR 853	17.00S 3.00W10SWSW IR	220.0000	G
10	GR	3675	GR 3370	17.00S 3.00W10SWSW IR	30.0000	G
10	GR	3676	GR 3371	17.00S 3.00W10SWSW IR	250.0000	G
11	GR	2700	GR 2558	17.00S 3.00W10SESW IR	150.0000	G
12	G	7871	G 7292	17.00S 3.00W16NWNE IR	0.8900	C
12			G 7520	17.00S 3.00W16NWNE IR	0.0400	C
13	G	7994	G 7416	17.00S 3.00W16NENE IR	0.5900	C
14	GR	3677	GR 3372	17.00S 3.00W15NWNW IR	250.0000	G
15	G	7644	G 7146	17.00S 3.00W15NENE IR	0.2300	C
15	GR	3140	GR 2944	17.00S 3.00W15NENE IR	80.0000	G
16	GR	3913	GR 3551	17.00S 3.00W16SENE IR	150.0000	G
17	G	2126	G 1966	17.00S 3.00W15SENW IS	0.1300	C
17	GR	4007	GR 3614	17.00S 3.00W15SENW IR	200.0000	G
18	GR	1349	GR 1305	17.00S 3.00W14SWNW IR	80.0000	G
19	G	14179	G 12845	17.00S 3.00W15NWSW MU	4.4600	C
20	GR	2584	GR 2452	17.00S 3.00W15NESE IR	300.0000	G
21	G	13485	G 12298	17.00S 3.00W16SWSE IR	0.1600	C
22	GR	4008	GR 3615	17.00S 3.00W15SESW IR	175.0000	G
23	GR	3083	GR 3946	17.00S 3.00W14SWSW IR	84.0000	G
24	GR	3989	GR 4015	17.00S 3.00W22NWNE IR	27.0000	G
25	G	648	G 546	17.00S 3.00W22NENE IR	0.2400	C
25	G	1240	G 1120	17.00S 3.00W22NENE IR	0.0800	C
25	GR	2141	GR 2054	17.00S 3.00W22NENE IR	240.0000	G
26	G	8751	G 8155	17.00S 3.00W23NWNW IR	0.0200	C
26	GR	2140	GR 2053	17.00S 3.00W23NWNW IR	240.0000	G
26	GR	3405	GR 3151	17.00S 3.00W23NWNW IR	100.0000	G
27	GR	2467	GR 3930	17.00S 3.00W23NENW IR	150.0000	G
28	G	7789	G 7236	17.00S 3.00W21SENE IS	1.7700	C
28	G	10050	G 9775	17.00S 3.00W21SENE IR	1.5500	C
29	G	1595	G 1464	17.00S 3.00W22SENW IR	0.0200	C
30	GR	1457	GR 1406	17.00S 3.00W22SENE IR	250.0000	G
31	G	3568	G 3363	17.00S 3.00W23SWNE IR	0.5100	C
32	G	3577	G 3370	17.00S 3.00W21NWSW IR	0.1200	C
33	G	4991	G 4709	17.00S 3.00W23NWSE MU	0.8900	C
33	G	5301	G 5132	17.00S 3.00W23NWSE MU	2.0000	C
34	G	3000	G 2795	17.00S 3.00W23NESE MU	2.5000	C
35	G	12430	G 11252	17.00S 3.00W24NWSW IR	0.3380	C
36	GR	2849	GR 2683	17.00S 3.00W28NWNE IR	15.0000	G
37	GR	165	GR 157	17.00S 3.00W27NWNW IR	25.0000	G
38	GR	4023	GR 4142	17.00S 3.00W29NENE IR	125.0000	G

CONDITIONED WELLS WITHIN 5 MILES OF APPLICATION G 15840

\$RECNO	APPLICATION	PERMIT	LOC-QQ	CONDITION-CODE
1	G	13143	G 12272	16.00S 3.00W27NESE 7BG
1	G	13143	G 12272	16.00S 3.00W27NESE 7BR
1	G	13143	G 12272	16.00S 3.00W27NESE 7DG
1	G	13143	G 12272	16.00S 3.00W27NESE 7DR
2	G	13975	G 12606	16.00S 3.00W33NESE 7BG
2	G	13975	G 12606	16.00S 3.00W33NESE 7BR
2	G	13975	G 12606	16.00S 3.00W33NESE 7BG
2	G	13975	G 12606	16.00S 3.00W33NESE 7BR

APPLICATION G 15840 FALLS WITHIN THESE QUAD(S)

EUGENE EAST

**Water Right Conditions
Tracking Slip**

Groundwater/Hydrology Section

FILE ## G-15840
ROUTED TO: # Water - Cory
TOWNSHIP/
RANGE-SECTION: 17S/3W-15

CONDITIONS ATTACHED? yes no

REMARKS OR FURTHER INSTRUCTIONS:

PSI

Reviewer: Man A Norton

**Water Right Conditions
Tracking Slip**

Groundwater/Hydrology Section

FILE # G-15840

ROUTED TO: Water - Cory

TOWNSHIP/

RANGE-SECTION: 175/3W-15

CONDITIONS ATTACHED? Yes No

REMARKS OR FURTHER INSTRUCTIONS:

P&I

Reviewer: Man A Norton

Water Right Conditions
Tracking Slip

Groundwater/Hydrology Section

FILE # G-15840
ROUTED TO: ~~#~~ Water. - Cory
TOWNSHIP/
RANGE-SECTION: 175/3W-15

CONDITIONS ATTACHED? Yes No

REMARKS OR FURTHER INSTRUCTIONS:

P&I

Reviewer: Maura Norton

WATER RESOURCES DEPARTMENT

DIVISION 502

WILLAMETTE BASIN PROGRAM

690-502-0080

McKenzie River Subbasin

The McKenzie River Subbasin includes the McKenzie River and tributaries above confluence with the Willamette River:

- (1) Surface water classification:
 - (a) The McKenzie River from Clear Lake to Carmen Reservoir, from Tamolitch Falls to Trail Bridge Reservoir and from Trail Bridge Dam to Paradise Campground is designated a state scenic waterway. The McKenzie River and tributaries above Paradise Campground near river mile 73 (Sec 9, T16S, R6E) are classified only for domestic, commercial use for customarily domestic purposes not to exceed 0.01 cfs, livestock and public instream uses;
 - (b) The South Fork McKenzie River from the Three Sisters Wilderness boundary downstream to Cougar Reservoir and from Cougar Dam downstream to the confluence with the McKenzie River is designated a state scenic waterway. The South Fork McKenzie River and its tributaries are classified only for domestic, commercial use for customarily domestic purposes not to exceed 0.01 cfs, livestock and public instream uses;
 - (c) Blue River upstream from its confluence with the McKenzie River and tributaries are classified year-round only for domestic, commercial use for customarily domestic purposes not to exceed 0.01 cfs, livestock and public instream uses;
 - (d) Except as specified in subsections (a), (b), and (c) of this section, ***all tributaries to the McKenzie River are classified for*** domestic, livestock, ***municipal***, industrial, irrigation, agri-cultural, commercial, power, mining, fish life, wildlife, recreation, pollution abatement, wetland enhancement and public instream uses ***from October 1 through June 30***, and only for domestic, commercial use for customarily domestic purposes not to exceed 0.01 cfs, livestock and public instream uses from July 1 through September 30;

Water Availability for WID 528

WATER AVAILABILITY TABLE
 Water Availability as of 4/19/2004 for
 MCKENZIE R > WILLAMETTE R - AB MOUTH

Watershed ID #: 528 Basin: WILLAMETTE Exceedance Level: 80
 Time: 15:42 Date: 04/19/2004

Select an Item Number for More Details

Item #	Watershed ID #	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Sto
1	181	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
2	182	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
3	183	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
4	30200321	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
5	528	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

STREAM NAMES

Water Availability as of 4/19/2004 for
 MCKENZIE R > WILLAMETTE R - AB MOUTH

Watershed ID #: 528 Basin: WILLAMETTE Exceedance Level: 80
 Time: 15:42 Date: 04/19/2004

Item Watershed ID Stream Name

1	181	WILLAMETTE R > COLUMBIA R - AT MOUTH
2	182	WILLAMETTE R > COLUMBIA R - AB MOLALLA R
3	183	WILLAMETTE R > COLUMBIA R - AB MILL CR AT GAGE 14191000
4	30200321	WILLAMETTE R > COLUMBIA R - AB PERIWINKLE CR AT GAGE 14174
5	528	MCKENZIE R > WILLAMETTE R - AB MOUTH

LIMITING WATERSHEDS

Water Availability as of 4/19/2004 for
 MCKENZIE R > WILLAMETTE R - AB MOUTH

Watershed ID #: 528 Basin: WILLAMETTE Exceedance Level: 80
 Time: 15:42 Date: 04/19/2004

Mnth	Limiting Watershed	Stream Name	Water Avail?	Net Water Available
1	528	MCKENZIE R > WILLAMETTE R - AB MOUTH	YES	3490.0
2	528	MCKENZIE R > WILLAMETTE R - AB MOUTH	YES	3610.0
3	528	MCKENZIE R > WILLAMETTE R - AB MOUTH	YES	3390.0
4	528	MCKENZIE R > WILLAMETTE R - AB MOUTH	YES	2720.0
5	528	MCKENZIE R > WILLAMETTE R - AB MOUTH	YES	2200.0
6	528	MCKENZIE R > WILLAMETTE R - AB MOUTH	YES	1590.0
7	528	MCKENZIE R > WILLAMETTE R - AB MOUTH	YES	779.0
8	528	MCKENZIE R > WILLAMETTE R - AB MOUTH	YES	420.0
9	528	MCKENZIE R > WILLAMETTE R - AB MOUTH	YES	380.0
10	528	MCKENZIE R > WILLAMETTE R - AB MOUTH	YES	508.0
11	528	MCKENZIE R > WILLAMETTE R - AB MOUTH	YES	1530.0
12	528	MCKENZIE R > WILLAMETTE R - AB MOUTH	YES	3130.0
Stor	528	MCKENZIE R > WILLAMETTE R - AB MOUTH	YES	2370000.0

DETAILED REPORT ON THE WATER AVAILABILITY CALCULATION

Water Availability as of 4/19/2004 for

WILLAMETTE R > COLUMBIA R - AT MOUTH

Watershed ID #: 181 Basin: WILLAMETTE Exceedance Level: 80
 Time: 15:42 Date: 04/19/2004

Month	Natural Stream Flow	CU + Stor Prior to 1/1/93	CU + Stor After 1/1/93	Expected Stream Flow	Reserved Stream Flow	Instream Water Rights	Net Water Available
1	27500.00	1960.00	351.00	25200.00	0.00	1500.00	23700.00
2	30000.00	7250.00	347.00	22400.00	0.00	1500.00	20900.00
3	28500.00	6880.00	336.00	21300.00	0.00	1500.00	19800.00
4	25400.00	6590.00	322.00	18500.00	0.00	1500.00	17000.00
5	20700.00	3940.00	280.00	16500.00	0.00	1500.00	15000.00
6	11000.00	1690.00	471.00	8840.00	0.00	1500.00	7340.00
7	6280.00	1660.00	463.00	4160.00	0.00	1500.00	2660.00
8	4890.00	1460.00	432.00	3000.00	0.00	1500.00	1500.00
9	4930.00	1090.00	421.00	3420.00	0.00	1500.00	1920.00
10	5990.00	355.00	235.00	5400.00	0.00	1500.00	3900.00
11	12700.00	502.00	284.00	11900.00	0.00	1500.00	10400.00
12	24800.00	640.00	349.00	23800.00	0.00	1500.00	22300.00
Stor	19700000	2030000	259000	17400000	0	1090000	16400000

DETAILED REPORT OF CONSUMPTIVE USES AND STORAGES

Water Availability as of 4/19/2004 for

WILLAMETTE R > COLUMBIA R - AT MOUTH

Watershed ID #: 181 Basin: WILLAMETTE Exceedance Level: 80
 Time: 15:42 Date: 04/19/2004

Mo	Storage	Irrig	Munic	Ind/Man	Commer	Domest	Agricul	Other	Total
1	1700.00	0.00	335.00	100.00	7.54	23.70	102.00	37.40	2310.00
2	6990.00	0.00	335.00	100.00	7.54	23.70	102.00	37.40	7600.00
3	6600.00	6.39	335.00	100.00	7.54	23.70	105.00	40.40	7220.00
4	6260.00	42.30	335.00	100.00	7.54	23.70	101.00	40.40	6910.00
5	3370.00	291.00	331.00	100.00	7.39	23.70	75.10	19.80	4220.00
6	441.00	583.00	912.00	100.00	7.24	23.70	74.70	19.80	2160.00
7	14.00	999.00	909.00	95.10	7.24	23.70	52.40	19.50	2120.00
8	2.03	784.00	909.00	95.10	7.24	22.30	51.00	19.50	1890.00
9	0.75	387.00	907.00	100.00	7.24	22.30	64.60	19.70	1510.00
10	0.44	27.60	333.00	100.00	7.24	22.30	65.50	33.50	590.00
11	196.00	0.00	335.00	100.00	7.54	23.70	87.20	36.50	786.00
12	382.00	0.00	335.00	100.00	7.54	23.70	102.00	37.40	988.00

DETAILED REPORT OF RESERVATIONS FOR CONSUMPTIVE USE

Water Availability as of 4/19/2004 for

WILLAMETTE R > COLUMBIA R - AT MOUTH

Watershed ID #: 181
Time: 15:42

Basin: WILLAMETTE

Exceedance Level: 80
Date: 04/19/2004

-----Reservations-----									
APP #	0	0	0	0	0	0	0	0	TOTAL
Status									
Use									
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

DETAILED REPORT OF INSTREAM REQUIREMENTS

Water Availability as of 4/19/2004 for

WILLAMETTE R > COLUMBIA R - AT MOUTH

Watershed ID #: 181
Time: 15:42

Basin: WILLAMETTE

Exceedance Level: 80
Date: 04/19/2004

-----ISWRs-----									
APP #	181A	0	0	0	0	0	0	0	MAXIMUM
Status	Cert.								
1	1500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1500.00
2	1500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1500.00
3	1500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1500.00
4	1500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1500.00
5	1500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1500.00
6	1500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1500.00
7	1500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1500.00
8	1500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1500.00
9	1500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1500.00
10	1500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1500.00
11	1500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1500.00
12	1500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1500.00

DETAILED REPORT ON THE WATER AVAILABILITY CALCULATION

Water Availability as of 4/19/2004 for
WILLAMETTE R > COLUMBIA R - AB MOLALLA R

Watershed ID #: 182 Basin: WILLAMETTE Exceedance Level: 80
Time: 15:42 Date: 04/19/2004

Month	Natural Stream Flow	CU + Stor Prior to 1/1/93	CU + Stor After 1/1/93	Expected Stream Flow	Reserved Stream Flow	Instream Water Rights	Net Water Available
1	21400.00	1720.00	252.00	19400.00	0.00	1500.00	17900.00
2	23200.00	6910.00	249.00	16000.00	0.00	1500.00	14500.00
3	22400.00	6700.00	244.00	15500.00	0.00	1500.00	14000.00
4	19900.00	6360.00	238.00	13300.00	0.00	1500.00	11800.00
5	16600.00	3700.00	225.00	12700.00	0.00	1500.00	11200.00
6	8740.00	1260.00	398.00	7080.00	0.00	1500.00	5580.00
7	4980.00	1110.00	382.00	3490.00	0.00	1500.00	1990.00
8	3830.00	979.00	356.00	2490.00	0.00	1500.00	994.00
9	3890.00	729.00	360.00	2800.00	0.00	1500.00	1300.00
10	4850.00	251.00	202.00	4400.00	0.00	1500.00	2900.00
11	10200.00	349.00	228.00	9620.00	0.00	1500.00	8120.00
12	19300.00	395.00	251.00	18700.00	0.00	1500.00	17200.00
Stor	15200000	1820000	204000	13200000	0	1090000	12100000

DETAILED REPORT OF CONSUMPTIVE USES AND STORAGES

Water Availability as of 4/19/2004 for
WILLAMETTE R > COLUMBIA R - AB MOLALLA R

Watershed ID #: 182 Basin: WILLAMETTE Exceedance Level: 80
Time: 15:42 Date: 04/19/2004

Mo	Storage	Irrig	Munic	Ind/Man	Commer	Domest	Agricul	Other	Total
1	1520.00	0.00	250.00	85.80	6.46	18.00	73.10	20.20	1970.00
2	6710.00	0.00	250.00	85.80	6.46	18.00	73.10	20.20	7160.00
3	6480.00	4.33	250.00	85.80	6.46	18.00	75.10	20.20	6940.00
4	6120.00	28.40	250.00	85.80	6.46	18.00	71.60	20.20	6600.00
5	3300.00	199.00	246.00	85.80	6.46	18.00	64.80	4.91	3920.00
6	420.00	399.00	657.00	85.80	6.46	18.00	64.80	4.91	1660.00
7	3.84	679.00	654.00	80.50	6.46	18.00	43.00	4.63	1490.00
8	1.99	530.00	654.00	80.50	6.46	16.60	41.60	4.63	1340.00
9	0.69	263.00	657.00	85.70	6.46	16.60	55.10	4.89	1090.00
10	0.27	18.80	250.00	85.80	6.46	16.60	56.60	18.60	453.00
11	125.00	0.00	250.00	85.80	6.46	18.00	71.90	20.20	577.00
12	192.00	0.00	250.00	85.80	6.46	18.00	73.10	20.20	646.00

DETAILED REPORT OF RESERVATIONS FOR CONSUMPTIVE USE

Water Availability as of 4/19/2004 for
WILLAMETTE R > COLUMBIA R - AB MOLALLA R

Watershed ID #: 182 Basin: WILLAMETTE Exceedance Level: 80
Time: 15:42 Date: 04/19/2004

-----Reservations-----								
APP #	0	0	0	0	0	0	0	TOTAL
Status								
Use								
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

DETAILED REPORT OF INSTREAM REQUIREMENTS

Water Availability as of 4/19/2004 for
WILLAMETTE R > COLUMBIA R - AB MOLALLA R

Watershed ID #: 182 Basin: WILLAMETTE Exceedance Level: 80
Time: 15:42 Date: 04/19/2004

-----ISWRs-----								
APP #	182A	0	0	0	0	0	0	MAXIMUM
Status	Cert.							
1	1500.00	0.00	0.00	0.00	0.00	0.00	0.00	1500.00
2	1500.00	0.00	0.00	0.00	0.00	0.00	0.00	1500.00
3	1500.00	0.00	0.00	0.00	0.00	0.00	0.00	1500.00
4	1500.00	0.00	0.00	0.00	0.00	0.00	0.00	1500.00
5	1500.00	0.00	0.00	0.00	0.00	0.00	0.00	1500.00
6	1500.00	0.00	0.00	0.00	0.00	0.00	0.00	1500.00
7	1500.00	0.00	0.00	0.00	0.00	0.00	0.00	1500.00
8	1500.00	0.00	0.00	0.00	0.00	0.00	0.00	1500.00
9	1500.00	0.00	0.00	0.00	0.00	0.00	0.00	1500.00
10	1500.00	0.00	0.00	0.00	0.00	0.00	0.00	1500.00
11	1500.00	0.00	0.00	0.00	0.00	0.00	0.00	1500.00
12	1500.00	0.00	0.00	0.00	0.00	0.00	0.00	1500.00

DETAILED REPORT ON THE WATER AVAILABILITY CALCULATION
 Water Availability as of 4/19/2004 for
 WILLAMETTE R > COLUMBIA R - AB MILL CR AT GAGE 14191000

Watershed ID #: 183 Basin: WILLAMETTE Exceedance Level: 80
 Time: 15:42 Date: 04/19/2004

Month	Natural Stream Flow	CU + Stor Prior to 1/1/93	CU + Stor After 1/1/93	Expected Stream Flow	Reserved Stream Flow	Instream Water Rights	Net Water Available
1	18400.00	1880.00	78.10	16400.00	0.00	1300.00	15100.00
2	20100.00	7070.00	76.00	13000.00	0.00	1300.00	11700.00
3	19600.00	6860.00	73.90	12700.00	0.00	1300.00	11400.00
4	18000.00	6520.00	70.70	11400.00	0.00	1300.00	10100.00
5	15500.00	3810.00	64.40	11600.00	0.00	1300.00	10300.00
6	8310.00	1330.00	111.00	6870.00	0.00	1300.00	5570.00
7	4710.00	1100.00	105.00	3510.00	0.00	1300.00	2210.00
8	3620.00	1010.00	84.40	2530.00	0.00	1300.00	1230.00
9	3680.00	834.00	88.50	2760.00	0.00	1300.00	1460.00
10	4650.00	413.00	58.80	4180.00	0.00	1300.00	2880.00
11	9400.00	513.00	66.00	8820.00	0.00	1300.00	7520.00
12	16700.00	553.00	78.10	16100.00	0.00	1300.00	14800.00
Stor	13500000	1900000	57600	11500000	0	942000	10600000

DETAILED REPORT OF CONSUMPTIVE USES AND STORAGES
 Water Availability as of 4/19/2004 for
 WILLAMETTE R > COLUMBIA R - AB MILL CR AT GAGE 14191000

Watershed ID #: 183 Basin: WILLAMETTE Exceedance Level: 80
 Time: 15:42 Date: 04/19/2004

Mo	Storage	Irrig	Munic	Ind/Man	Commer	Domest	Agricul	Other	Total
1	1500.00	0.00	347.00	59.30	3.39	12.60	20.30	19.40	1960.00
2	6680.00	0.00	347.00	59.30	3.39	12.60	20.30	19.40	7140.00
3	6470.00	3.05	347.00	59.30	3.39	12.60	21.40	19.40	6940.00
4	6110.00	19.00	347.00	59.30	3.39	12.60	18.90	19.40	6590.00
5	3300.00	140.00	343.00	59.30	3.39	12.60	17.80	4.68	3880.00
6	419.00	282.00	640.00	59.30	3.39	12.60	17.80	4.68	1440.00
7	3.79	482.00	638.00	55.70	3.39	12.60	4.87	4.46	1200.00
8	1.97	373.00	638.00	55.70	3.39	12.60	4.87	4.46	1090.00
9	0.66	185.00	640.00	59.20	3.39	12.60	16.90	4.65	922.00
10	0.21	13.30	347.00	59.30	3.39	12.60	17.70	18.40	472.00
11	118.00	0.00	347.00	59.30	3.39	12.60	19.20	19.40	579.00
12	169.00	0.00	347.00	59.30	3.39	12.60	20.30	19.40	631.00

DETAILED REPORT OF RESERVATIONS FOR CONSUMPTIVE USE
 Water Availability as of 4/19/2004 for
 WILLAMETTE R > COLUMBIA R - AB MILL CR AT GAGE 14191000

Watershed ID #: 183 Basin: WILLAMETTE Exceedance Level: 80
 Time: 15:42 Date: 04/19/2004

-----Reservations-----									
APP #	0	0	0	0	0	0	0	0	TOTAL
Status									
Use									
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

DETAILED REPORT OF INSTREAM REQUIREMENTS
 Water Availability as of 4/19/2004 for
 WILLAMETTE R > COLUMBIA R - AB MILL CR AT GAGE 14191000

Watershed ID #: 183 Basin: WILLAMETTE Exceedance Level: 80
 Time: 15:42 Date: 04/19/2004

-----ISWRs-----									
APP #	183A	0	0	0	0	0	0	0	MAXIMUM
Status	Cert.								
1	1300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1300.00
2	1300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1300.00
3	1300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1300.00
4	1300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1300.00
5	1300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1300.00
6	1300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1300.00
7	1300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1300.00
8	1300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1300.00
9	1300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1300.00
10	1300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1300.00
11	1300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1300.00
12	1300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1300.00

DETAILED REPORT ON THE WATER AVAILABILITY CALCULATION

Water Availability as of 4/19/2004 for

WILLAMETTE R > COLUMBIA R - AB PERIWINKLE CR AT GAGE 14174

Watershed ID #: 30200321

Basin: WILLAMETTE

Exceedance Level: 80

Time: 15:42

Date: 04/19/2004

Month	Natural Stream Flow	CU + Stor Prior to 1/1/93	CU + Stor After 1/1/93	Expected Stream Flow	Reserved Stream Flow	Instream Water Rights	Net Water Available
1	17300.00	1260.00	29.90	16000.00	0.00	1750.00	14300.00
2	17400.00	4180.00	29.40	13200.00	0.00	1750.00	11400.00
3	15800.00	4450.00	29.20	11300.00	0.00	1750.00	9570.00
4	13800.00	4150.00	29.20	9620.00	0.00	1750.00	7870.00
5	11400.00	2420.00	33.00	8940.00	0.00	1750.00	7190.00
6	7350.00	792.00	53.20	6500.00	0.00	1750.00	4750.00
7	4100.00	607.00	42.10	3450.00	0.00	1750.00	1700.00
8	2960.00	560.00	37.10	2360.00	0.00	1750.00	613.00
9	2960.00	470.00	46.00	2440.00	0.00	1750.00	694.00
10	3550.00	166.00	25.50	3360.00	0.00	1750.00	1610.00
11	8170.00	251.00	25.30	7890.00	0.00	1750.00	6140.00
12	19100.00	268.00	29.70	18800.00	0.00	1750.00	17100.00
Stor	7460000	1170000	24700	6260000	0	1270000	5000000

DETAILED REPORT OF CONSUMPTIVE USES AND STORAGES

Water Availability as of 4/19/2004 for

WILLAMETTE R > COLUMBIA R - AB PERIWINKLE CR AT GAGE 14174

Watershed ID #: 30200321

Basin: WILLAMETTE

Exceedance Level: 80

Time: 15:42

Date: 04/19/2004

Mo	Storage	Irrig	Munic	Ind/Man	Commer	Domest	Agricul	Other	Total
1	1110.00	0.00	120.00	45.80	0.01	5.83	13.40	0.19	1300.00
2	4020.00	0.00	120.00	45.80	0.01	5.83	13.40	0.19	4210.00
3	4300.00	1.49	120.00	45.80	0.01	5.83	14.50	0.19	4490.00
4	3990.00	9.21	120.00	45.80	0.01	5.83	14.50	0.19	4190.00
5	2200.00	68.50	120.00	45.80	0.01	5.83	13.40	0.19	2450.00
6	283.00	138.00	359.00	45.80	0.01	5.83	13.40	0.19	845.00
7	3.50	237.00	359.00	43.10	0.01	5.83	1.34	0.00	650.00
8	1.40	187.00	359.00	43.10	0.01	5.83	1.34	0.00	598.00
9	0.61	91.90	358.00	45.80	0.01	5.83	13.40	0.19	516.00
10	0.07	6.56	120.00	45.80	0.01	5.83	13.40	0.19	192.00
11	92.00	0.00	120.00	45.80	0.01	5.83	12.30	0.19	276.00
12	112.00	0.00	120.00	45.80	0.01	5.83	13.40	0.19	297.00

DETAILED REPORT OF RESERVATIONS FOR CONSUMPTIVE USE

Water Availability as of 4/19/2004 for

WILLAMETTE R > COLUMBIA R - AB PERIWINKLE CR AT GAGE 14174

Watershed ID #: 30200321
Time: 15:42

Basin: WILLAMETTE

Exceedance Level: 80
Date: 04/19/2004

-----Reservations-----									
APP #	0	0	0	0	0	0	0	0	TOTAL
Status									
Use									
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

DETAILED REPORT OF INSTREAM REQUIREMENTS

Water Availability as of 4/19/2004 for

WILLAMETTE R > COLUMBIA R - AB PERIWINKLE CR AT GAGE 14174

Watershed ID #: 30200321
Time: 15:42

Basin: WILLAMETTE

Exceedance Level: 80
Date: 04/19/2004

-----ISWRs-----									
APP #	183B	184A	0	0	0	0	0	0	MAXIMUM
Status	Cert.	App.							
1	1300.00	1750.00	0.00	0.00	0.00	0.00	0.00	0.00	1750.00
2	1300.00	1750.00	0.00	0.00	0.00	0.00	0.00	0.00	1750.00
3	1300.00	1750.00	0.00	0.00	0.00	0.00	0.00	0.00	1750.00
4	1300.00	1750.00	0.00	0.00	0.00	0.00	0.00	0.00	1750.00
5	1300.00	1750.00	0.00	0.00	0.00	0.00	0.00	0.00	1750.00
6	1300.00	1750.00	0.00	0.00	0.00	0.00	0.00	0.00	1750.00
7	1300.00	1750.00	0.00	0.00	0.00	0.00	0.00	0.00	1750.00
8	1300.00	1750.00	0.00	0.00	0.00	0.00	0.00	0.00	1750.00
9	1300.00	1750.00	0.00	0.00	0.00	0.00	0.00	0.00	1750.00
10	1300.00	1750.00	0.00	0.00	0.00	0.00	0.00	0.00	1750.00
11	1300.00	1750.00	0.00	0.00	0.00	0.00	0.00	0.00	1750.00
12	1300.00	1750.00	0.00	0.00	0.00	0.00	0.00	0.00	1750.00

DETAILED REPORT ON THE WATER AVAILABILITY CALCULATION

Water Availability as of 4/19/2004 for

MCKENZIE R > WILLAMETTE R - AB MOUTH

Watershed ID #: 528 Basin: WILLAMETTE Exceedance Level: 80
 Time: 15:42 Date: 04/19/2004

Month	Natural Stream Flow	CU + Stor Prior to 1/1/93	CU + Stor After 1/1/93	Expected Stream Flow	Reserved Stream Flow	Instream Water Rights	Net Water Available
1	5040.00	512.00	8.32	4520.00	0.00	1030.00	3490.00
2	5850.00	1210.00	8.31	4630.00	0.00	1030.00	3610.00
3	5630.00	1210.00	8.37	4410.00	0.00	1030.00	3390.00
4	5020.00	1270.00	8.39	3750.00	0.00	1030.00	2720.00
5	4000.00	769.00	8.60	3220.00	0.00	1030.00	2200.00
6	2990.00	353.00	21.20	2620.00	0.00	1030.00	1590.00
7	2160.00	335.00	21.20	1800.00	0.00	1030.00	779.00
8	1790.00	324.00	21.00	1450.00	0.00	1030.00	420.00
9	1730.00	305.00	20.80	1400.00	0.00	1030.00	380.00
10	1830.00	289.00	8.27	1530.00	0.00	1030.00	508.00
11	2850.00	286.00	8.29	2560.00	0.00	1030.00	1530.00
12	4450.00	286.00	8.31	4160.00	0.00	1030.00	3130.00
Stor	3560000	428000	9120	3120000	0	743000	2380000

DETAILED REPORT OF CONSUMPTIVE USES AND STORAGES

Water Availability as of 4/19/2004 for

MCKENZIE R > WILLAMETTE R - AB MOUTH

Watershed ID #: 528 Basin: WILLAMETTE Exceedance Level: 80
 Time: 15:42 Date: 04/19/2004

Mo	Storage	Irrig	Munic	Ind/Man	Commer	Domest	Agricul	Other	Total
1	226.00	0.00	283.00	10.10	0.00	0.89	0.56	0.00	521.00
2	921.00	0.00	283.00	10.10	0.00	0.89	0.56	0.00	1220.00
3	925.00	0.28	283.00	10.10	0.00	0.89	0.62	0.00	1220.00
4	977.00	1.72	285.00	10.10	0.00	0.89	0.62	0.00	1280.00
5	469.00	12.80	284.00	10.10	0.00	0.89	0.62	0.00	777.00
6	41.10	25.90	296.00	10.10	0.00	0.89	0.62	0.00	375.00
7	3.47	44.90	296.00	10.10	0.00	0.89	0.56	0.00	356.00
8	1.39	35.60	296.00	10.10	0.00	0.89	0.56	0.00	345.00
9	0.59	17.40	296.00	10.10	0.00	0.89	0.56	0.00	326.00
10	0.00	1.24	284.00	10.10	0.00	0.89	0.56	0.00	297.00
11	0.10	0.00	283.00	10.10	0.00	0.89	0.56	0.00	295.00
12	0.16	0.00	283.00	10.10	0.00	0.89	0.56	0.00	295.00

DETAILED REPORT OF RESERVATIONS FOR CONSUMPTIVE USE

Water Availability as of 4/19/2004 for

MCKENZIE R > WILLAMETTE R - AB MOUTH

Watershed ID #: 528
Time: 15:42

Basin: WILLAMETTE

Exceedance Level: 80
Date: 04/19/2004

-----Reservations-----								
APP #	0	0	0	0	0	0	0	TOTAL
Status								
Use								
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

DETAILED REPORT OF INSTREAM REQUIREMENTS

Water Availability as of 4/19/2004 for

MCKENZIE R > WILLAMETTE R - AB MOUTH

Watershed ID #: 528
Time: 15:42

Basin: WILLAMETTE

Exceedance Level: 80
Date: 04/19/2004

-----ISWRs-----								
APP #	126A	528A	0	0	0	0	0	MAXIMUM
Status	App.	Cert.						
1	1025.00	1025.00	0.00	0.00	0.00	0.00	0.00	1025.00
2	1025.00	1025.00	0.00	0.00	0.00	0.00	0.00	1025.00
3	1025.00	1025.00	0.00	0.00	0.00	0.00	0.00	1025.00
4	1025.00	1025.00	0.00	0.00	0.00	0.00	0.00	1025.00
5	1025.00	1025.00	0.00	0.00	0.00	0.00	0.00	1025.00
6	1025.00	1025.00	0.00	0.00	0.00	0.00	0.00	1025.00
7	1025.00	1025.00	0.00	0.00	0.00	0.00	0.00	1025.00
8	1025.00	1025.00	0.00	0.00	0.00	0.00	0.00	1025.00
9	1025.00	1025.00	0.00	0.00	0.00	0.00	0.00	1025.00
10	1025.00	1025.00	0.00	0.00	0.00	0.00	0.00	1025.00
11	1025.00	1025.00	0.00	0.00	0.00	0.00	0.00	1025.00
12	1025.00	1025.00	0.00	0.00	0.00	0.00	0.00	1025.00

INTEROFFICE MEMORANDUM

Water Rights Section

TO: Doug Parrow

April 9, 2003

FROM: Kerry Lefever

RE: Application G-15840 Rainbow Water District

Doug,

The attached file is a municipal application for groundwater use by Rainbow Water District.

Please review the file and submit any comments to me prior to the Initial Review.

This file is overdue for the Initial Review, so a speedy reply would be greatly appreciated.

Thanks.

Kerry

I recommend that we require a Div 86 plan within 2 years of permit issuance. This date would coincide with ~~that~~ the date for the Springfield Utility Board to update their plan. If there is anyway to encourage joint submittal pursuant to OAR 690-086-0010(4), without requiring it, we should do so.

Doug Parrow

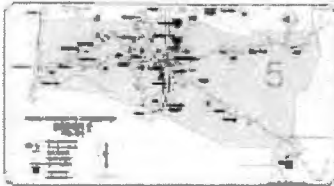
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District "5" map

The Oregon Department of Transportation is organized into 5 geographical regions with each region having several districts and several area offices. District offices manage the maintenance projects and Area offices manage the construction projects.

District 5/Area 5 are located in Region 2 and serve the maintenance and construction needs of Lane County.

The district is organized into 5 maintenance crews located in Eugene, Florence, McKenzie Bridge, Oakridge and Veneta. In addition, there are Bridge, Landscape, Incident Response, Sign, and Electrical crews located in Eugene.

Click on image to view District/Area "5" office.



District 5 Manager

Don Ehrich
644 A Street
Springfield, OR 97477
(541) 726-2552

Area 5 Manager

Bob Pirrie
644 A Street
Springfield, OR 97477
(541) 744-8080

To Report Road Hazards
503-378-2299
For Road Conditions
1-800-977-6368

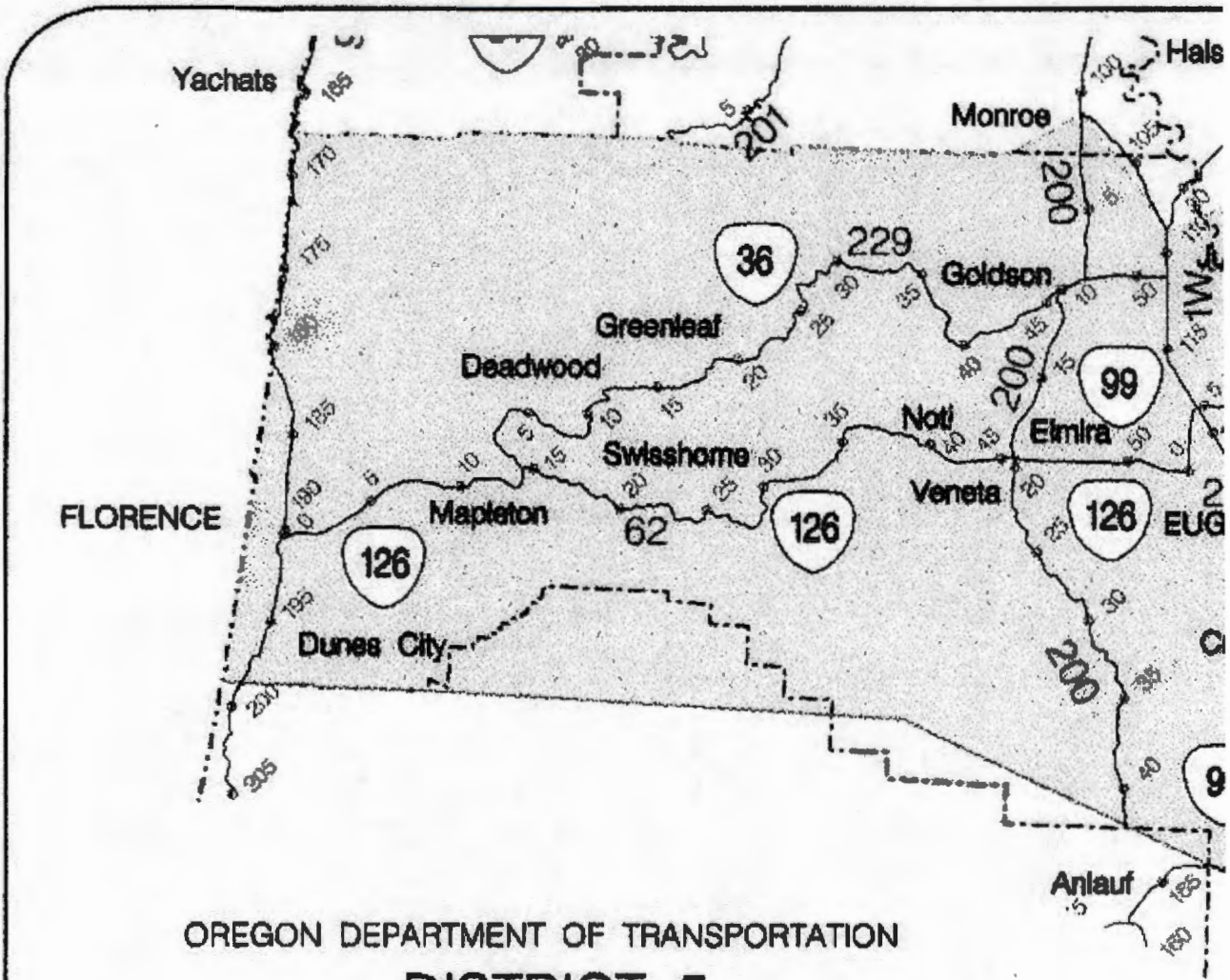
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Region 2 Office
455 Airport Rd. SE Bldg. B
Salem, OR 97301-5395
(503)986-2631

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OREGON DEPARTMENT OF TRANSPORTATION
DISTRICT 5
 APRIL 1999

- 103 STATE HIGHWAY NUMBER
- INT. - U.S. - ORE. ROUTE
- REGION BOUNDARY
- DISTRICT BOUNDARY
- COUNTY BOUNDARY
- REGION NUMBER
- 4 DISTRICT NUMBER



Proof of municipal corporation

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P O BOX 562

SPRINGFIELD OR 97403

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Physical Address:

87845 HWY 101

FLORENCE OR 97439

Mailing Address:

PO BOX 25

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Mailing Address:
PO BOX 435
MAPLETON OR 97453

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Mailing Address:
PO BOX 8
SPRINGFIELD OR 97477

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RAINBOW WATER DISTRICT Type: WATER DISTRICTS Customer# 000585MUNI

Physical Address:
1550 42ND ST N
SPRINGFIELD OR 97477
Mailing Address:
PO BOX 8
SPRINGFIELD OR 97477

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Mailing Address:
105 OAKLEIGH
EUGENE OR 97423

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Mailing Address:
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EUGENE OR 97440

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WALTERVILLE OR 97489

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MUNI 1.9.0 QA

Oregon Water Resources Department
Water Rights Division

Water Rights Application
Number G-15840

Final Order

Appeal Rights

This is a final order in other than 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 137-004-0080 you may either petition for judicial review or petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the Director, and if no action is taken within 60 days following the date the petition was filed, the petition shall be deemed denied.

This statement of judicial review rights does not create a right to judicial review of this order, if judicial review is otherwise precluded by law. Where no changes have been made to a Proposed Final Order on a water right application and no protests have been filed during the protest period, the final order is not subject to judicial review.

Application History

On September 18, 2002, Rainbow Water District submitted an application to the Department for a water use permit. The Department issued a Proposed Final Order on March 18, 2008. The protest period closed May 2, 2008, and no protest was filed.

On April 30, 2008, the Department received a Request for Standing from Springfield Utility Board that indicated it's support of the Proposed Final Order as issued.

The proposed use would not impair or be detrimental to the public interest.

Order

Application G-15840 is therefore approved. Upon payment of outstanding fees in the amount of \$300.00, a permit shall be issued authorizing the proposed water use.

Failure to meet this requirement within 60 days from the date of this Final Order may result in the proposed rejection of the application.

If you need to request additional time, your written request should be received in the Salem office of the Department within 60 days of this Final Order. The Department will evaluate the request and determine whether or not the request may be approved.

DATED September 18, 2008

E. Timothy Wall

for Phillip C. Ward, Director
Water Resources Department

This document was prepared by Brook Geffen. 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 can reach me at 503-986-0808.

If you have previously filed a protest and want to know its status, please contact Patricia McCarty at 503-986-0820.

If you have other questions about the Department or any of its programs please contact our Customer Service Group at 503-986-0801.

Address all other correspondence to: Water Rights Section, Oregon Water Resources Department, 725 Summer St NE Ste A, Salem OR 97301-1266, Fax: 503-986-0901.

DRAFT

This is not a permit.
STATE OF OREGON

DRAFT

COUNTY OF LANE

DRAFT PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS DRAFT PERMIT IS HEREBY ISSUED TO

RAINBOW WATER DISTRICT
PO BOX 8
SPRINGFIELD, OR 97477

The specific limits and conditions of the use are listed below.

APPLICATION FILE NUMBER: G-15840

SOURCE OF WATER: WELL 1 (LANE 11118) AND WELL 2 (LANE 11119) IN MCKENZIE RIVER BASIN

PURPOSE OR USE: MUNICIPAL USE

MAXIMUM RATE: 7.0 CUBIC FEET PER SECOND, BEING 3.05 CFS FROM WELL 1 (LANE 11118) AND 3.95 CFS FROM WELL 2 (LANE 11119)

PERIOD OF USE: YEAR ROUND

DATE OF PRIORITY: SEPTEMBER 18, 2002

WELL LOCATIONS:

WELL 1 (LANE 11118): NW $\frac{1}{4}$ NW $\frac{1}{4}$, SECTION 15, T17S, R3W, W.M.; 480 FEET SOUTH & 630 FEET EAST FROM THE NW CORNER OF SECTION 15

WELL 2 (LANE 11119): NW $\frac{1}{4}$ NW $\frac{1}{4}$, SECTION 15, T17S, R3W, W.M.; 1030 FEET SOUTH & 580 FEET EAST FROM THE NW CORNER OF SECTION 15

THE PLACE OF USE IS LOCATED AS FOLLOWS:

WITHIN THE SERVICE AREA OF RAINBOW WATER DISTRICT

Measurement, recording and reporting conditions:

- A. Before water use may begin under this permit, the permittee shall install a totalizing flow meter or other suitable measuring device as approved by the Director at each point of appropriation. The permittee shall maintain the meter or measuring device in good working order, shall keep a complete record of the amount of water used each month, and shall submit

a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the permittee to report general water-use information, including the place and nature of use of water under the permit.

- B. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

Use of any or all water under this permit is only allowed if an Intergovernmental Agreement is in place between the Rainbow Water District and the Springfield Utility Board that addresses injury issues with senior users.

The water user shall develop a plan to monitor and report the impact of water use under this permit on water levels within the aquifer that provides water to the permitted well(s). The plan shall be submitted to the Department within one year of the date the permit is issued and shall be subject to the approval of the Department. At a minimum, the plan shall include a program to periodically measure static water levels within the permitted well(s) or an adequate substitute such as water levels in nearby wells. The plan shall also stipulate a reference water level against which any water-level declines will be compared. If a well listed on this permit (or replacement well) displays a total static water-level decline of 25 or more feet over any period of years, as compared to the reference level, then the water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s). Such action shall be taken until the water level recovers to above the 25-foot decline level or until the Department determines, based on the water user's and/or the Department's data and analysis, that no action is necessary because the aquifer in question can sustain the observed declines without adversely impacting the resource or senior water rights. The water user shall in no instance allow excessive decline, as defined in Commission rules, to occur within the aquifer as a result of use under this permit.

STANDARD CONDITIONS

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.

If the number, location, source, or construction of any well deviates from that proposed in the permit application or required by permit conditions, this permit may not be valid, unless the Department authorizes the change in writing.

If substantial interference with a senior water right occurs due to

withdrawal of water from any well listed on this permit, then use of water from the well(s) shall be discontinued or reduced and/or the schedule of withdrawal shall be regulated until or unless the Department approves or implements an alternative administrative action to mitigate the interference. The Department encourages junior and senior appropriators to jointly develop plans to mitigate interferences.

The well(s) 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.

Where two or more water users agree among themselves as to the manner of rotation in the use of water and such agreement is placed in writing and filed by such water users with the watermaster, and such rotation system does not infringe upon such prior rights of any water user not a party to such rotation plan, the watermaster shall distribute the water according to such agreement.

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.

This permit is for the beneficial use of water without waste. The water user is advised that new regulations may require the 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.

The permit holder shall commence and complete the construction of any proposed works within 20 years from the date of permit issuance. The Department may order and allow an extension of time to complete construction or to perfect a water right beyond 20 years from the date of permit issuance.

Within one year after complete application of water to the proposed use, the permittee shall submit a claim of beneficial use, which includes a map and report, prepared by a Certified Water Rights Examiner (CWRE).

Issued _____, 2008

DRAFT - THIS IS NOT A PERMIT

for Phillip C. Ward, Director
Water Resources Department

**Oregon Water Resources Department
Water Rights Division**

Water Rights Application
Number G-15840

Prior to the issuance of a permit, the Department must receive permit recording fees in the amount of \$300.00. Please include your application number on your check made out to the Oregon Water Resources Department.

Proposed Final Order

Summary of Recommendation: The Department recommends that the attached draft permit be issued with conditions.

Application History

On September 18, 2002, Rainbow Water District submitted an application to the Department for the following water use permit:

- Amount of Water: 7.0 CUBIC FEET PER SECOND (CFS), BEING 3.05 CFS FROM WELL 1 (LANE 11118) AND 3.95 CFS FROM WELL 2 (LANE 11119)
- Use of Water: MUNICIPAL USE
- Source of Water: WELL 1 (LANE 11118) AND WELL 2 (LANE 11119) IN MCKENZIE RIVER BASIN
- Area of Proposed Use: LANE COUNTY WITHIN THE SERVICE AREA OF RAINBOW WATER DISTRICT

On April 23, 2004, the Department mailed the applicant notice of its Initial Review, determining that "the use of water at a rate of 7.0 CUBIC FEET PER SECOND, BEING 3.05 CFS FROM WELL 1 AND 3.95 CFS FROM WELL 2 IN MCKENZIE RIVER BASIN for MUNICIPAL USE is not allowable, and it appears unlikely that you will be issued a permit." The applicant did not notify the Department to stop processing the application within 14 days of that date.

On April 27, 2004, the Department gave public notice of the application in its weekly notice. The public notice included a request for comments, and information for interested persons about both obtaining future notices and a copy of the proposed final order.

No written comments were received within 30 days.

On July 24, 2006, J. Timothy Hanley submitted comments on behalf of Rainbow Water District regarding the following:

- 1) The potential for substantial interference with an unnamed tributary of the McKenzie River and the McKenzie River;
- 2) Potential injury to existing water rights;
- 3) Cooperative agreement among the applicant, Eugene Water and Electric Board, and Springfield Utility Board

On August 7, 2007 the Ground Water Section issued a memo addressing J. Timothy Hanley's comments.

The application has been on administrative hold since the Initial Review.

In reviewing applications, the Department may consider any relevant sources of information, including the following:

- recommendations by other state agencies
- any applicable basin program
- any applicable comprehensive plan or zoning ordinance
- the amount of water available
- the rate and duty for the proposed use
- pending senior applications and existing water rights of record
- designations of any critical groundwater areas
- the Scenic Waterway requirements of ORS 390.835
- applicable statutes, administrative rules, and case law
- any general basin-wide standard for flow rate and duty of water allowed
- the need for a flow rate and duty higher than the general standard
- any comments received

Findings of Fact

The Willamette Basin Program allows MUNICIPAL USE.

Senior water rights exist on WELL 1 (LANE 11118) AND WELL 2 (11119) IN MCKENZIE RIVER BASIN, or on downstream waters.

WELL 1 (LANE 11118) AND WELL 2 (11119) IN MCKENZIE RIVER BASIN are not within or above a State Scenic Waterway.

The Public Interest Review completed on January 14, 2004 described well 1 (LANE 11118) AND well 2 (LANE 11119) as having the potential for substantial interference with an unnamed tributary to McKenzie River. Upon further review, the Department determined the unnamed tributary to the McKenzie River is an abandoned channel. Therefore, the proposed ground water use will not have the potential for substantial interference with an unnamed tributary to McKenzie River.

The attached draft permit is conditioned to address potential injury to prior water rights and the cooperative agreement among the applicant, Eugene Water and Electric Board, and Springfield Utility Board.

On August 10, 2007 the Ground Water Section issued a memo that updated determinations to the January 14, 2004 Public Interest Review regarding ground water/surface water interference and ground water availability. Updates are reflected in attached draft permit.

Groundwater Findings Under OAR 690-09

The Department determined, consistent with OAR 690-09-0040(4), that the proposed ground water use will not have the potential for substantial interference with nearby surface water source(s), namely McKenzie River.

In making this determination, the Department considered whether:

- (a) There is a hydraulic connection from the proposed well(s) to any surface water sources.
- (b) The point of appropriation is a horizontal distance less than one-fourth mile from the surface water source;
- (c) The rate of appropriation is greater than five cubic feet per second, if the point of appropriation is a horizontal distance less than one mile from the surface water source;
- (d) The rate of appropriation is greater than one percent of the pertinent adopted minimum perennial streamflow or instream water right with a senior priority date, if one is applicable, or of the discharge that is equaled or exceeded 80 percent of time, as determined or estimated by the Department, and if the point of appropriation is a horizontal distance less than one mile from the surface water source;
- (e) The ground water appropriation, if continued for a period of 30 days, would result in stream depletion greater than 25 percent of the rate of appropriation, if the point of appropriation is a horizontal distance less than one mile from the surface water source.

For this application, the Department determined that there is not a potential for substantial.

An assessment of groundwater availability has been completed by the Department's Groundwater/Hydrology section. A copy of this assessment is in the file. Water will, if properly conditioned, avoid injury to existing rights and the resource.

The Department finds that the amount of water requested, 7.0 CFS, is an acceptable amount.

The proposed wells are not within a designated critical ground water area.

Conclusions of Law

Under the provisions of ORS 537.621, the Department must presume that a proposed use will ensure the preservation of the public welfare, safety and health if the proposed use is allowed in the applicable basin program

established pursuant to ORS 536.300 and 536.340 or given a preference under ORS 536.310(12), if water is available, if the proposed use will not injure other water rights and if the proposed use complies with rules of the Water Resources Commission.

The proposed use requested in this application is allowed in the Willamette Basin Program, or a preference for this use is granted under the provisions of ORS 536.310(12).

Water is available for the proposed use.

The proposed use will not injure other water rights.

The proposed use complies with other rules of the Water Resources Commission not otherwise described above.

The proposed use complies with the State Agency Agreement for land use.

No proposed flow rate and duty of water higher than the general basin-wide standard is needed.

For these reasons, the required presumption has been established.

Under the provisions of ORS 537.621, once the presumption has been established, it may be overcome by a preponderance of evidence that either:

- (a) One or more of the criteria for establishing the presumption are not satisfied; or
- (b) The proposed use would not ensure the preservation of the public welfare, safety and health as demonstrated in comments, in a protest . . . or in a finding of the department that shows:
 - (A) The specific aspect of the public welfare, safety and health under ORS 537.525 that would be impaired or detrimentally affected; and
 - (B) Specifically how the identified aspect of the public welfare, safety and health under ORS 537.525 would be impaired or be adversely affected.

In this application, all criteria for establishing the presumption have been satisfied, as noted above. The presumption has not been overcome by a preponderance of evidence that the proposed use would impair or be detrimental to the public interest.

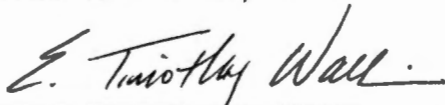
The Department therefore concludes that water is available in the amount necessary for the proposed use; the proposed use will not result in injury to existing water rights; and the proposed use would ensure the preservation of the public welfare, safety and health as described in ORS 537.525.

When issuing permits, ORS 537.628(1) authorizes the Department to include limitations and conditions which have been determined necessary to protect the public welfare, safety, and health. The attached draft permit is conditioned accordingly.

Recommendation

The Department recommends that the attached draft permit be issued with conditions.

DATED March 18, 2008



for Phillip C. Ward, Director
Water Resources Department

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

Protests

Under the provisions of ORS 537.153(7) (for surface water) or ORS 537.621(8) (for ground water), you can protest this proposed final order. Protests must be received in the Water Resources Department no later than **May 2, 2008**. Protests must be in writing, and must include the following:

- Your name, address, and telephone number;
- A description of your interest in the proposed final order, and, if you claim to represent the public interest, a precise statement of the public interest represented;
- A detailed description of how the action proposed in this proposed final order would impair or be detrimental to your interest;
- A detailed description of how the proposed final order is in error or deficient, and how to correct the alleged error or deficiency;

- Any citation of legal authority to support your protest, if known; and
- If you are not the applicant, the protest fee of \$350 required by ORS 536.050 and proof of service of the protest upon the applicant.
- If you are the applicant, a statement of whether or not you are requesting a contested case hearing. If you do not request a hearing, the Department will presume that you do not wish to contest the findings of the proposed final order.
- *If you do not protest this Proposed Final Order and if no substantive changes are made in the final order, you will not have an opportunity for judicial review, protest or appeal of the final order when it is issued.*

Requests for Standing

Under the provisions of ORS 537.153(7) (for surface water) or ORS 537.621(8) (for ground water), persons other than the applicant who support a proposed final order can request standing for purposes of participating in any contested case proceeding on the proposed final order or for judicial review of a final order.

Requests for standing must be received in the Water Resources Department no later than **May 2, 2008**. Requests for standing must be in writing, and must include the following:

- The requester's name, mailing address and telephone number;
- If the requester is representing a group, association or other organization, the name, address and telephone number of the represented group;
- A statement that the requester supports the proposed final order as issued;
- A detailed statement of how the requester would be harmed if the proposed final order is modified; and
- A standing fee of \$100.00. If a hearing is scheduled, an additional fee of \$250.00 must be submitted along with a request for intervention.

After the protest period has ended, the Director will either issue a final order or schedule a contested case hearing. The contested case hearing will be scheduled only if a protest has been submitted and either:

- upon review of the issues, the director finds that there are significant disputes related to the proposed use of water, or
- the applicant requests a contested case hearing within 30 days after the close of the protest period.

This document was prepared by Brook Geffen. 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 can reach me at 503-986-0808.

If you have questions about how to file a protest or a request for standing, please refer to the respective sections in this Proposed Final Order entitled "Protests" and "Requests for Standing". If you have previously filed a protest and want to know its status, please contact the Protest Coordinator at 503-986-0820.

If you have other questions about the Department or any of its programs please contact our Customer Service Group at 503-986-0801. Address all other correspondence to:

Water Rights Section, Oregon Water Resources Department, 725 Summer St NE Ste A, Salem OR 97301-1266, Fax: 503-986-0901.

DRAFT

This is not a permit.

DRAFT

STATE OF OREGON

COUNTY OF LANE

DRAFT PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS DRAFT PERMIT IS HEREBY ISSUED TO

RAINBOW WATER DISTRICT
PO BOX 8
SPRINGFIELD, OR 97477

The specific limits and conditions of the use are listed below.

APPLICATION FILE NUMBER: G-15840

SOURCE OF WATER: WELL 1 (LANE 11118) AND WELL 2 (LANE 11119) IN MCKENZIE RIVER BASIN

PURPOSE OR USE: MUNICIPAL USE

MAXIMUM RATE: 7.0 CUBIC FEET PER SECOND, BEING 3.05 CFS FROM WELL 1 (LANE 11118) AND 3.95 CFS FROM WELL 2 (LANE 11119)

PERIOD OF USE: YEAR ROUND

DATE OF PRIORITY: SEPTEMBER 18, 2002

WELL LOCATIONS:

WELL 1 (LANE 11118): NW $\frac{1}{4}$ NW $\frac{1}{4}$, SECTION 15, T17S, R3W, W.M.; 480 FEET SOUTH & 630 FEET EAST FROM THE NW CORNER OF SECTION 15

WELL 2 (LANE 11119): NW $\frac{1}{4}$ NW $\frac{1}{4}$, SECTION 15, T17S, R3W, W.M.; 1030 FEET SOUTH & 580 FEET EAST FROM THE NW CORNER OF SECTION 15

THE PLACE OF USE IS LOCATED AS FOLLOWS:

WITHIN THE SERVICE AREA OF RAINBOW WATER DISTRICT

Measurement, recording and reporting conditions:

- A. Before water use may begin under this permit, the permittee shall install a totalizing flow meter or other suitable measuring device as approved by the Director at each point of appropriation. The permittee shall maintain the meter or measuring device in good working order, shall keep a complete record of the amount of water used each month, and shall

submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the permittee to report general water-use information, including the place and nature of use of water under the permit.

- B. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

Use of any or all water under this permit is only allowed if an Intergovernmental Agreement is in place between the Rainbow Water District and the Springfield Utility Board that addresses injury issues with senior users.

The water user shall develop a plan to monitor and report the impact of water use under this permit on water levels within the aquifer that provides water to the permitted well(s). The plan shall be submitted to the Department within one year of the date the permit is issued and shall be subject to the approval of the Department. At a minimum, the plan shall include a program to periodically measure static water levels within the permitted well(s) or an adequate substitute such as water levels in nearby wells. The plan shall also stipulate a reference water level against which any water-level declines will be compared. If a well listed on this permit (or replacement well) displays a total static water-level decline of 25 or more feet over any period of years, as compared to the reference level, then the water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s). Such action shall be taken until the water level recovers to above the 25-foot decline level or until the Department determines, based on the water user's and/or the Department's data and analysis, that no action is necessary because the aquifer in question can sustain the observed declines without adversely impacting the resource or senior water rights. The water user shall in no instance allow excessive decline, as defined in Commission rules, to occur within the aquifer as a result of use under this permit.

STANDARD CONDITIONS

If the number, location, source, or construction of any well deviates from that proposed in the permit application or required by permit conditions, this permit may not be valid, unless the Department authorizes the change in writing.

If substantial interference with a senior water right occurs due to withdrawal of water from any well listed on this permit, then use of water from the well(s) shall be discontinued or reduced and/or the

schedule of withdrawal shall be regulated until or unless the Department approves or implements an alternative administrative action to mitigate the interference. The Department encourages junior and senior appropriators to jointly develop plans to mitigate interferences.

The well(s) 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.

Where two or more water users agree among themselves as to the manner of rotation in the use of water and such agreement is placed in writing and filed by such water users with the watermaster, and such rotation system does not infringe upon such prior rights of any water user not a party to such rotation plan, the watermaster shall distribute the water according to such agreement.

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.

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 the beneficial use of water without waste. The water user is advised that new regulations may require the 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.

The permit holder shall commence and complete the construction of any proposed works within 20 years from the date of permit issuance. The Department may order and allow an extension of time to complete construction or to perfect a water right beyond 20 years from the date of permit issuance.

Within one year after complete application of water to the proposed use, the permittee shall submit a claim of beneficial use, which includes a map and report, prepared by a Certified Water Rights Examiner (CWRE).

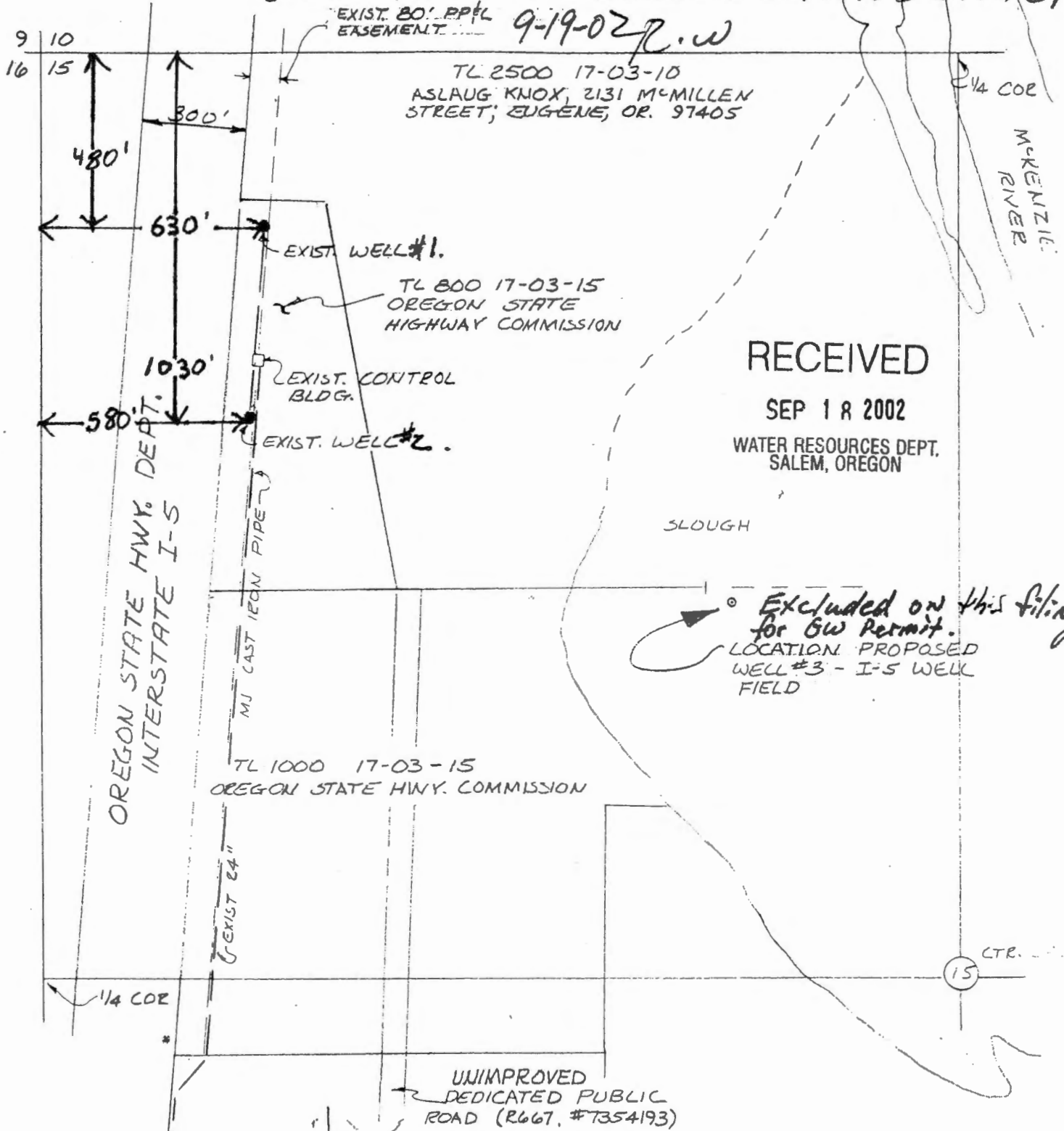
Issued _____, 2008

DRAFT - THIS IS NOT A PERMIT

for Phillip C. Ward, Director
Water Resources Department

WORKING COPY PER PHONE
 CONVERSATION WITH ASST. Superintendent,
 DEAN HILL OF RAINBOW WATER DISTRICT

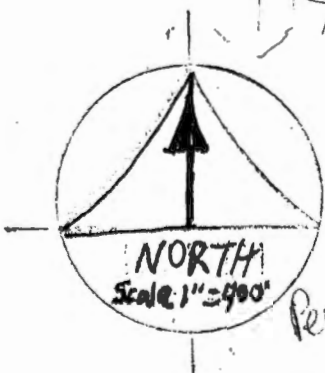
EXIST. 80' PPFL EASEMENT 9-19-02 R.W



RECEIVED

SEP 18 2002
 WATER RESOURCES DEPT.
 SALEM, OREGON

Excluded on this filing for GW Permit.
 LOCATION PROPOSED WELL #3 - I-5 WELL FIELD



WELL LOCATION MAP
 RAINBOW WATER DISTRICT
 NW 1/4, SEC 15, T17S, R3WWM

PLANTS & ASSOCIATES
 PROFESSIONAL ENGINEERS
 & LAND SURVEYORS

54 CENTENNIAL LOOP
 EUGENE, OREGON 97401

app # G-15840
 Permit #

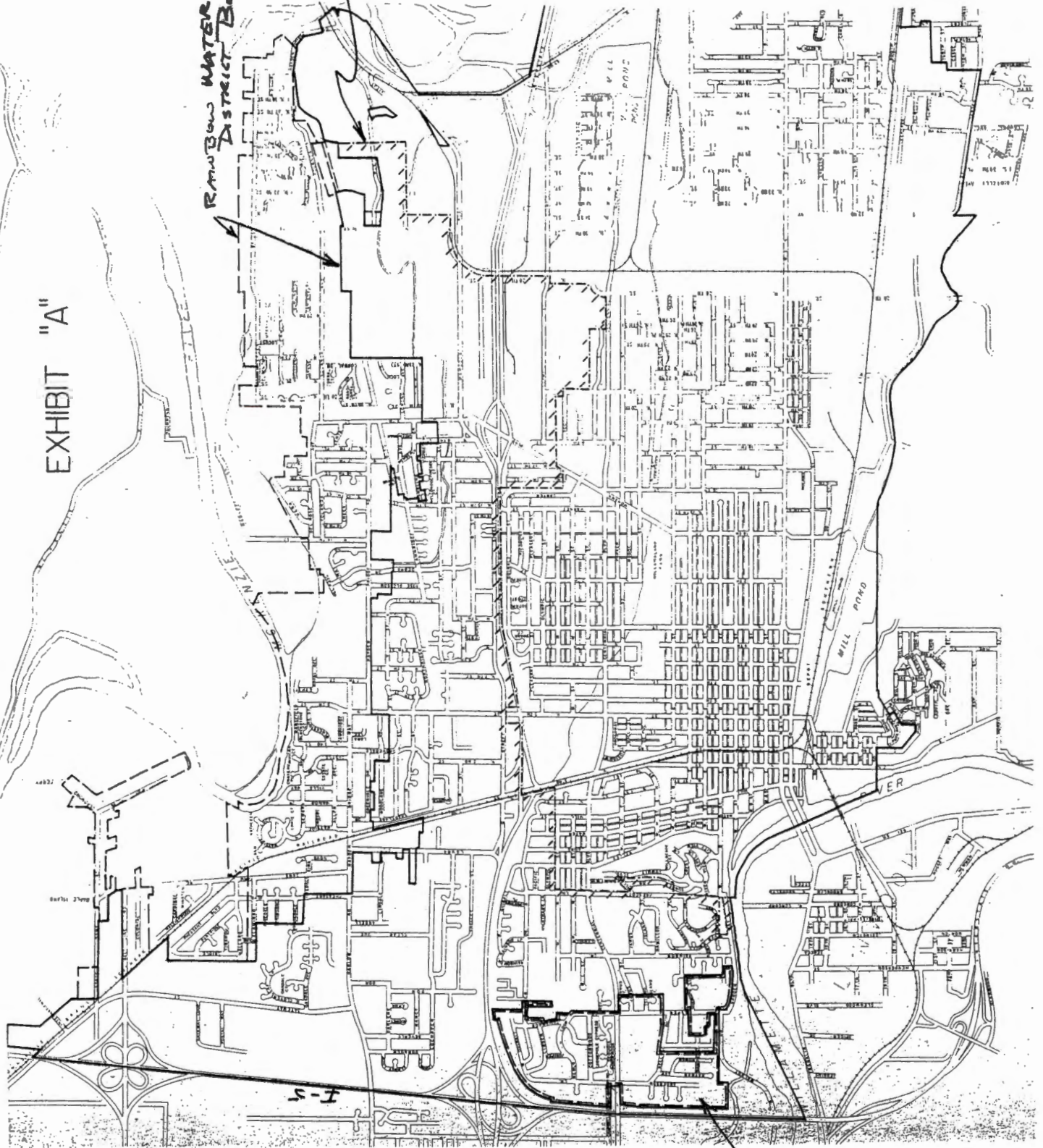
RECEIVED

SEP 18 2002

WATER RESOURCES DEPT.
SALEM, OREGON

EXHIBIT "A"

Rainbow Water District Boundary
Farrow
Rainbow Water District
Boundary -
Area Now
Served By
SUB



app # G-15840
Permit #

Rainbow
Water
District
Boundary



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 23, 2004

J TIMOTHY HANLEY
RAINBOW WATER DISTRICT
PO BOX 8
SPRINGFIELD, OR 97477

541-746-1676

Reference: File G-15840

Dear Mr. Hanley:

**THIS IS NOT A PERMIT AND IS
SUBJECT TO CHANGE AT THE NEXT PHASE OF PROCESSING.**

This letter is to inform you of the preliminary analysis of your water use permit application and to describe your options. In determining whether a water use permit application may be approved, the Department must consider the factors listed below, all of which must be favorable to the proposed use if it is to be allowed. Based on the information you have supplied, the Water Resources Department has made the following preliminary determinations:

Initial Review Determinations:

1. The proposed use is not prohibited by law or rule except where otherwise noted below.
2. The Department has determined, based upon OAR 690-09, that the proposed groundwater use will have the potential for substantial interference with an unnamed tributary to McKenzie River and McKenzie River. Therefore limitations to the surface water sources must be applied to this application also.
3. The use of water from TWO WELLS IN MCKENZIE RIVER BASIN for MUNICIPAL purposes is a classified use during the period October 1 through June 30 only under OAR 690-502-0080(1)(d), the Willamette Basin Program.
4. Ground water in the amount of 7.0 CUBIC FEET PER SECOND, BEING 3.05 CFS FROM WELL 1 AND 3.95 CFS FROM WELL 2 for MUNICIPAL USE will not likely be available in the amount requested without injury to prior rights.
5. Surface water in the amount of 7.0 CUBIC FEET PER SECOND, BEING 3.05 CFS FROM WELL 1 AND 3.95 CFS FROM WELL 2 for MUNICIPAL USE is available year round.

Summary of Allowable Water Use

Because items #3 and #4 above are unfavorable, the use of water at a rate of 7.0 CUBIC FEET PER SECOND, BEING 3.05 CFS FROM WELL 1 AND 3.95 CFS FROM WELL 2 IN MCKENZIE RIVER BASIN for MUNICIPAL USE is not allowable, and it appears unlikely that you will be issued a permit. At this time, you must decide whether to proceed or to withdraw your application as described below.

Please reference the application number when sending any correspondence regarding the conclusions of this initial review. Comments received within the comment period will be evaluated at the next phase of the process.

Withdrawal Refunds:

If you choose not to proceed, you may withdraw your application and receive a refund (minus a \$50 processing charge per application.) To accomplish this you must notify the Department in writing by **Friday, May 7, 2004**. For your convenience you may use the enclosed "STOP PROCESSING" form.

To Proceed With Your Application:

If you choose to proceed with your application, you do not have to notify the Department. Your application will automatically be placed on the Department's Public Notice to allow others the opportunity to comment. After the comment period the Department will complete a public interest review and issue a proposed final order.

If A Permit Is Issued It Will Likely Include The Following Conditions:

1. Measurement, recording and reporting conditions:
 - A. Before water use may begin under this permit, 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, shall keep a complete record of the amount of water used each month and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the permittee to report general water use information, including the place and nature of use of water under the permit.

- B. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.
2. The tentative priority date for this application is SEPTEMBER 18, 2002.
 3. The water user shall develop a plan to monitor and report the impact of water use under this permit on water levels within the aquifer that provides water to the permitted well(s). The plan shall be submitted to the Department within one year of the date the permit is issued and shall be subject to the approval of the Department. At a minimum, the plan shall include a program to periodically measure static water levels within the permitted well(s) or an adequate substitute such as water levels in nearby wells. The plan shall also stipulate a reference water level against which any water-level declines will be compared. If a well listed on this permit (or replacement well) displays a total static water-level decline of 25 or more feet over any period of years, as compared to the reference level, then the water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s). Such action shall be taken until the water level recovers to above the 25-foot decline level or until the Department determines, based on the water user's and/or the Department's data and analysis, that no action is necessary because the aquifer in question can sustain the observed declines without adversely impacting the resource or senior water rights. The water user shall in no instance allow excessive decline, as defined in Commission rules, to occur within the aquifer as a result of use under this permit.
 4. If substantial interference with a senior water right occurs due to withdrawal of water from any well listed on this permit, then use of water from the well(s) shall be discontinued or reduced and/or the schedule of withdrawal shall be regulated until or unless the Department approves or implements an alternative administrative action to mitigate the interference. The Department encourages junior and senior appropriators to jointly develop plans to mitigate interferences.
 5. (1) Use of water from the well, as allowed herein, shall be controlled or shut off if the well displays:
 - (a) An average water level decline of three or more feet per year for five consecutive years; or
 - (b) A total water level decline of fifteen or more feet; or
 - (c) A hydraulic interference decline of fifteen or more feet in any neighboring well providing water for senior exempt uses or wells covered by prior rights.

- (2) The water user shall install a meter or other measuring device suitable to the Director, and shall submit an annual report of water used to the Department by December 1 of each year.
- (3) The permittee/appropriator shall be responsible for complying with each of the following requirements for measuring water levels in the well.
 - (a) Use of water from a new well shall not begin until an initial static water level in the well has been measured and submitted to the Department.
 - (b) In addition to the measurement required in subsection (a) of this section, a water level measurement shall be made each month between the 1st and 5th of each month.
 - (c) All water level measurements shall be made by a qualified individual. Qualified individuals are certified water rights examiners, registered geologists, registered professional engineers, licensed land surveyors, licensed water well constructors, licensed pump installers, or the permittee/appropriator.
 - (d) Any qualified individual measuring a well shall use standard methods of procedure and equipment designed for the purpose of well measurement. The equipment used shall be well suited to the conditions of construction at the well. A list of standard methods of procedure and suitable equipment shall be available from the Department.
 - (e) The permittee/appropriator shall submit a record of the measurements to the Department on a form available from the Department. The record of measurements shall include both measurements and calculations, and shall include a certification as to their accuracy signed by the individual making the measurements. The permittee/appropriator shall submit to the Department one year of monthly measurements (December - November) by December 1st. The Department shall determine when any of the declines cited in section (1) are evidenced by the well measurement required in section (3).
6. The use may be restricted if the quality of hydraulically connected surface waters or downstream waters decrease to the point that those waters no longer meet existing state or federal water quality standards due to reduced flows.

7. Within two years of permit issuance, the permittee shall submit a Water Management and Conservation Plan consistent with OAR Chapter 690, Division 86. The Director may approve an extension of this time line to complete the required Water Management and Conservation Plan. The time line for submittal of a plan under this permit does not alter the time lines for submittal of a plan under any other order of the Department.

Pursuant to OAR 690-086-0140(1) and (7), the required plan must include descriptions of connections with other municipal water suppliers including Springfield Utility Board, as wells as exchange and intergovernmental cooperation agreements. You are encouraged to submit the required plan jointly with Springfield Utility Board as described in OAR 690-086-0010(6).

WARNING: This initial review does not attempt to address various public interest issues such as sensitive, threatened, or endangered fish species. These issues will be addressed as the Department reviews public comments and prepares a proposed final order. You should be aware that, if significant public interest issues are found to exist, such a finding could have an impact on the eventual outcome of your application.

The water source identified in your application may be affected by an Agricultural Water Quality Management Area Plan. These plans are developed by the Oregon Department of Agriculture (ODA) with the cooperation of local landowners and other interested stakeholders, and help to ensure that current and new appropriations of water are done in a way that does not adversely harm the environment. You are encouraged to explore ODA's Water Quality Program web site at http://www.oda.state.or.us/nrd/water_quality/index.html to learn more about the plans and how they may affect your proposed water use.

If you have any questions:

Questions about the status of your application, processing timelines, or your upcoming Proposed Final Order should be directed to our Water Right Information Group at 503-986-0801. Feel free to call me at 503-986-0813 if you have any questions regarding the contents of this letter. Please have your application number available if you call. Address all other correspondence to: Water Rights Section, Oregon Water Resources Department, 725 Summer St NE Ste A, Salem OR 97301-1271, Fax: 503-986-0901.

Sincerely,



Mr. Cory C. Engel
Water Right Application Caseworker

enclosures: Application Process Description and Stop Processing Request Form

G-15840; wab 02-528; pou 02-182 (~10%); 02-528 (~90%); gw A

APPLICATION FACT SHEET

Mail to: Applicant, Watermaster, District Biologist (ODFW)
If necessary, also mail to : Regional Water quality manager (DEQ), and DOA

Application File Number: G-15840

Applicant: J TIMOTHY HANLEY; RAINBOW WATER DISTRICT

County: LANE

Watermaster: District 2

Priority Date: SEPTEMBER 18, 2002

Source: TWO WELLS IN MCKENZIE RIVER BASIN

Use: MUNICIPAL USE

Quantity: 7.0 CUBIC FEET PER SECOND, BEING 3.05 CFS FROM WELL 1 AND 3.95 CFS
FROM WELL 2

Basin Name & Number: Willamette, #02

Stream Index Reference: Volume 2 MCKENZIE R

Point of Diversion Location: WELL 1: NWNW, SECTION 15, T17S, R3W, W.M.; 480 FEET
SOUTH & 630 FEET EAST FROM THE NW CORNER OF SECTION 15; WELL 2: NWNW,
SECTION 15, T17S, R3W, W.M.; 1030 FEET SOUTH & 580 FEET EAST FROM THE NW
CORNER OF SECTION 15

Place of Use: WITHIN THE SERVICE AREA OF RAINBOW WATER DISTRICT

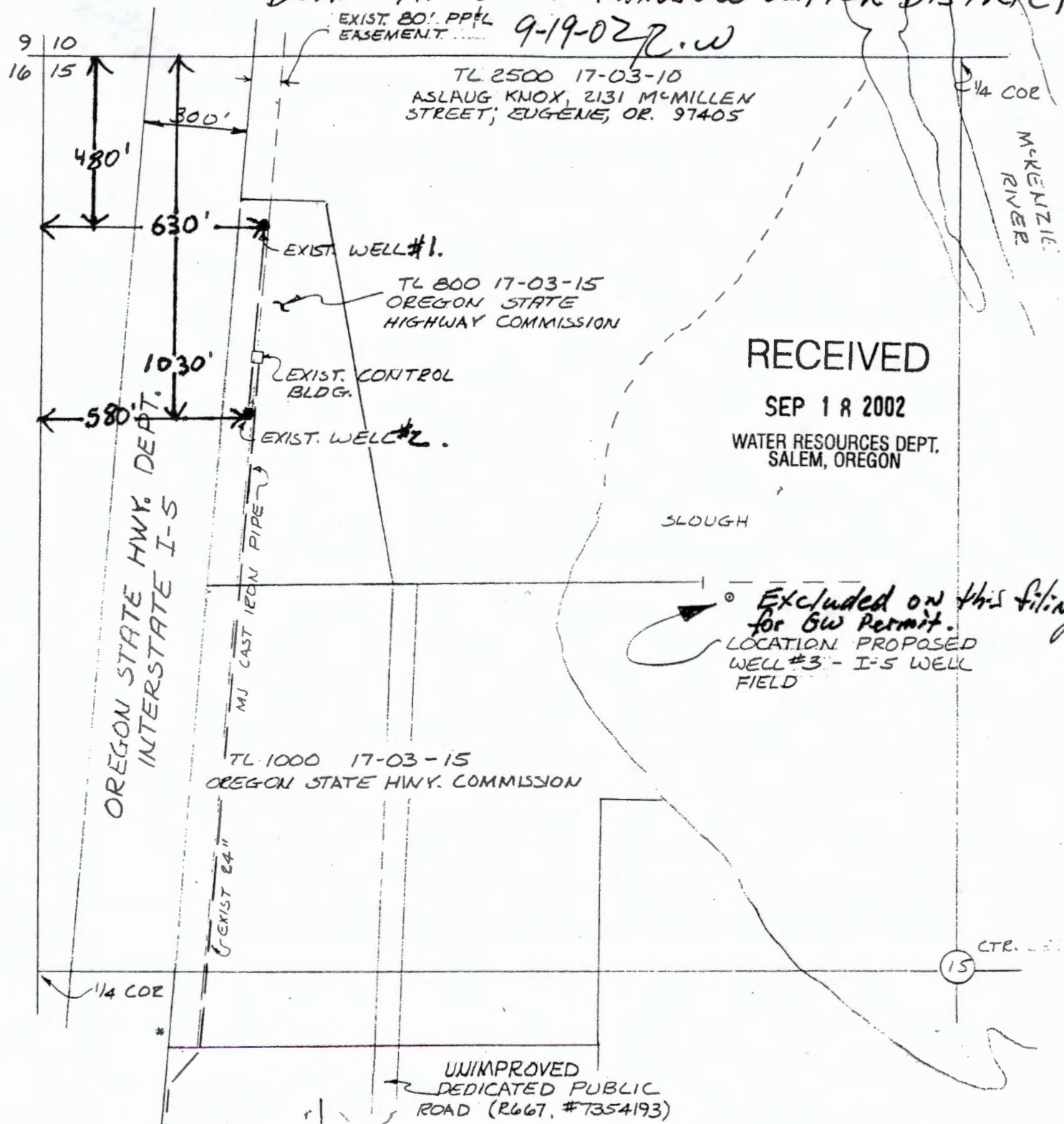
14 DAY STOP PROCESSING DEADLINE DATE: Friday, May 7, 2004

PUBLIC NOTICE DATE: Tuesday, April 27, 2004

30 DAY COMMENT DEADLINE DATE: Thursday, May 27, 2004

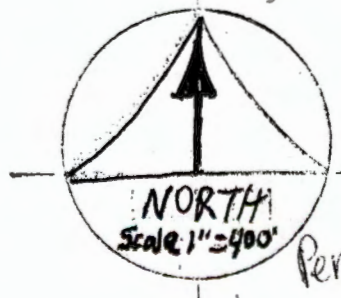
WORKING COPY PER PHONE
 CONVERSATION WITH ASST. SUPERINTENDENT,
 DEAN HILL OF RAINBOW WATER DISTRICT

9-19-02 R.W



RECEIVED
 SEP 18 2002
 WATER RESOURCES DEPT.
 SALEM, OREGON

Excluded on this filing
 for GW Permit.
 LOCATION PROPOSED
 WELL #3 - I-5 WELL
 FIELD



WELL LOCATION MAP
 RAINBOW WATER DISTRICT
 NW 1/4, SEC 15, T17S, R3WWM

PLANTS & ASSOCIATES
 PROFESSIONAL ENGINEERS
 & LAND SURVEYORS
 54 CENTENNIAL LOOP
 EUGENE, OREGON 97401

app # G-15840
 Permit #



Mr. Phillip C. Ward
Director, Oregon Water Resources Department
725 Summer St NE Ste A
Salem, OR 97301-1266

RE: Proposed Final Order Issued Pursuant to Application G-15840

Dear Mr. Ward,

On March 18, 2008, your office issued a Proposed Final Order (the "PFO") concerning Rainbow Water District's ("RWD") water right Application G-15840 (RWD's "Application"), recommending a draft permit be issued with conditions (the "Draft Permit"). The Draft Permit would, if issued, allow a significant new appropriation from the alluvial aquifers adjacent to the Willamette River. Pursuant to ORS 537.621(6), any party who supports a proposed final order may request standing for the purposes of participating in any contested case proceeding. Please consider this letter a request for standing on behalf of the Springfield Utility Board. The following outlines the information required by OAR 690-310-0160(3).

OAR 690-310-0160(3) The request for standing must be in writing, signed by the requester, and include the following:

(a) The requester's name, mailing address and telephone number;

Springfield Utility Board
c/o Charles C. Arrera
202 S. 18th Street
Springfield, OR 97477
Telephone: (541) 726-2396

(b) If the requester is representing a group, association or other organization, the name, address and telephone number of the represented group;

Not applicable.

(c) A statement that the requester supports the proposed final order as issued;

The Springfield Utility Board supports the proposed final order as issued.

(d) A detailed statement of how the requester would be harmed if the proposed final order is modified; and

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APR 30 2008

WATER RESOURCES DEPT
SALEM, OREGON

The Springfield Utility Board ("SUB") is a municipal water and electric utility serving over 56,000 water consumers in and around Springfield, Oregon. SUB appropriates water primarily from seven well fields and multiple diversions from the Middle Fork of the Willamette River. Given their close proximity, the wells contemplated by RWD's Application could substantially interfere with SUB's appropriations and diversions.

While SUB is willing to accommodate the new appropriations contemplated by Application G-15840, it is critical that RWD and SUB enter into an Intergovernmental Agreement (an "IGA") that would address injury issues with senior users. The Draft Permit included with the PFO includes a condition that reads as follows:

"Use of any or all water under this permit is only allowed if an Intergovernmental Agreement is in place between the Rainbow Water District and the Springfield Utility Board that addresses injury issues with senior users."

If effect, as a condition of water withdrawal, the Draft Permit requires the major water users in the area to reach some form of agreement concerning shared groundwater resources. Without such a condition, the terms of the permit would be inadequate to protect SUB's senior water rights. For this reason, SUB would not support a Final Order issued to RWD pursuant to RWD's Application without the foregoing condition.

Furthermore, because SUB is a major water buyer from RWD, SUB supports RWD's efforts to secure additional water supplies.

Again, SUB supports the PFO, and the Draft Permit, as issued, and respectfully requests standing to participate in any contested case proceeding regarding the PFO.

(e) The fee established under ORS 536.050.

Please find enclosed a check in the amount of \$100.00.

Very truly yours,



Charles C. Arrera

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APR 30 2008

WATER RESOURCES DEPT
SALEM OREGON

Mailing List for PFO Copies

Application #G-15840

PFO Date March 18, 2008

Original mailed to applicant:

~~RAINBOW WATER DISTRICT, ATTN: J TIMOTHY HANLEY, PO BOX 8, SPRINGFIELD, OR 97477~~

Copies sent to:

- ~~1. WRD - File # G-15840~~
- ~~2. Water Availability: Ken Stahr~~

Copies Mailed By: <u>JCB</u> (SUPPORT STAFF) on: <u>3/18/08</u> (DATE)
--

PFO and Map Copies sent to:

- ~~3. WRD - Watermaster # District 2~~

Copies sent to Other Interested Persons (CWRE, Agent, Well Driller, Commenter, etc.)

- ~~4. Chuck Arrera, 202 S. 18th St. Springfield OR 97477~~
- ~~5. Jay Bozievich, PE 500 E 4th Ave, PO Box 10148, Eugene, OR 97440~~

"\$10 LETTER" sent to Interested Persons who have not protested or paid for copies

Affected Landowners (include "Notice of Proposed Final Order--Affected Landowner"):

- 1.

CASEWORKER : Geffenba



SPRINGFIELD UTILITY BOARD

WATER SERVICE CENTER 202 South 18th Street Springfield, OR 97477-5240 Tel 541.726.2396 Fax 541.747.7348 www.subutil.com

July 26, 2006

Corey Engel
Water Resources Department
725 Summer Street NE, Suite A
Salem, OR 97301

Dear Mr. Engel:

Subject: Rainbow Water District (RWD) Water Right Application, File G-15840

As a neighboring utility to Rainbow Water District (RWD), Springfield Utility Board (SUB) has worked closely with Rainbow's staff for 50 years to meet the water needs of the Springfield area. SUB is familiar with Rainbow Water District's Water Right Application G-15840, and we are in full support of your approving this permit.

SUB and RWD have shared the costs of drilling and maintaining several wells over the years. The two wells which this water right application includes have been a vital part of the Springfield area public water supply for nearly thirty years. Production from these wells provide water for several important commercial and residential areas served by SUB and RWD. Growth projections show that these two wells will continue to be a vital, necessary water source.

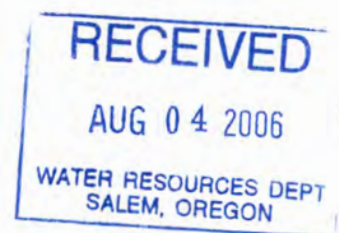
We have not received any complaints indicating these wells would interfere with other senior water right users in the area, nor does SUB have any concerns. In fact, SUB is convinced this Water Right Application G-15840 should be approved and will benefit the Springfield community and surrounding area.

Sincerely,

A handwritten signature in black ink, appearing to read 'Chuck Arrera', is written over a horizontal line.

Chuck Arrera
Director of Water Engineering and Operations

CA:mkm





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

January 23, 2006

J. Timothy Hanley
Rainbow Water District
PO Box 8
Springfield OR 97477

RE: Application G-15840

Mr. Hanley:

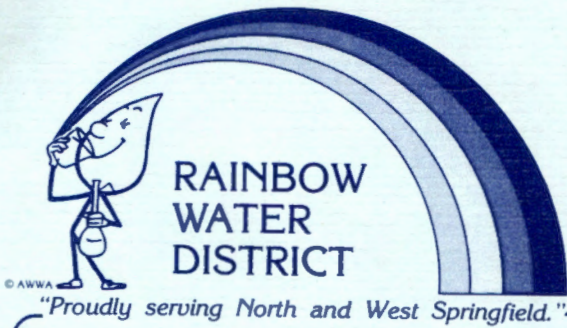
This is in response to your request to Cory Engel received January 5, 2006 to approve an extension of your administrative hold by 180 days. The purpose of your request was to provide time to identify other ground water users in the area, with the goal of overcoming the Department's negative ground water availability finding.

Your request is approved. The Department will not proceed with a Proposed Final Order for Application G-15840 until after July 21, 2006, unless you request that we proceed sooner. Be advised however, that at the end of this period, your application will have been on administrative hold for over two years for the same purpose, and it is unlikely that another extension request will be approved.

If you have any questions, please contact Cory Engel at 503-986-0813.

Sincerely,

E. Timothy Wallin
Water Rights Program Manager



December 20, 2005

Corey Engel
Water Resources Department
Commerce Building
158 12th St. NE
Salem, OR 97310-0210

Subj: Request for Administrative Hold, File G-15840

Dear Mr. Engel,

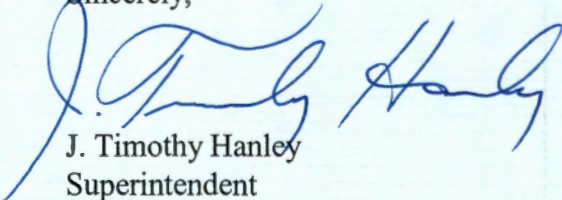
By this letter we request that an administrative hold for a period of six (6) months be placed on this application.

Since we last wrote in December, 2004, we have worked closely with our neighboring water utilities, the Eugene Water and Electric Board (EWEB) and the Springfield Utility Board (SUB) on a variety of water supply issues. Both SUB and EWEB are prepared to fully support the subject application in writing.

We are currently working with EWEB to identify and update other groundwater users in the area and hope to have this information complete and ready for presentation to the Department within the next several months. A six month administrative hold will allow us the time to complete this work in a timely fashion.

Thank you for your consideration of this request. We look forward to a favorable response to allow us time to develop and present these materials.

Sincerely,



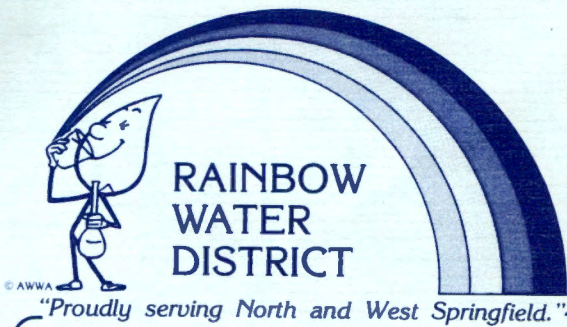
J. Timothy Hanley
Superintendent

cc: Brad Taylor, EWEB
Chuck Arrera, SUB

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JAN 05 2006

**WATER RESOURCES DEPT
SALEM, OREGON**



RECEIVED

JAN 05 2006

WATER RESOURCES DEPT
SALEM, OREGON

December 20, 2005

Corey Engel
Water Resources Department
Commerce Building
158 12th St. NE
Salem, OR 97310-0210

Subj: Application G-15840

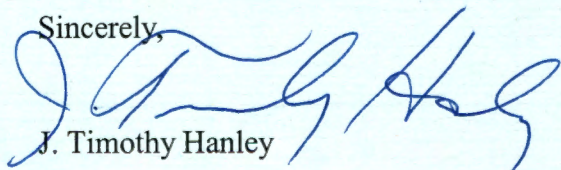
Reference: Water Resources Department letter of October 31, 2005

Dear Mr. Engel,

This letter is in response to yours of October 31, 2005.

The Rainbow Water District needs twenty (20) years from the date of permit issuance to complete construction of the proposed works which are the subject of Application G-15840.

Sincerely,



J. Timothy Hanley



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

October 31, 2005

RAINBOW WATER DISTRICT; HANLEY, J TIMOTHY
PO BOX 8
SPRINGFIELD OR 97477

Reference: Application G-15840

Dear Mr. Hanley:

The Department is currently in the process of reviewing your application for a permit to use water for municipal use. House Bill 3038 (HB3038), which became effective on June 29, 2005, amended ORS 537.230 and ORS 537.630 to provide the applicant of a permit for a municipal water use a maximum of 20 years to commence and complete construction of proposed works. In order to comply with HB3038, please submit the following:

- a statement providing the number of years (not to exceed 20 years) you need to commence and complete construction from the date of permit issuance.

Please submit this information no later than December 30, 2005.

If you request more than 20 years to complete construction, the Department will likely recommend denial of your application.

Should you have any questions regarding your application, please call me at (503) 986-0813.

Sincerely,

Cory Engel
Water Right Application Caseworker

cc: File
Watermaster District #2





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

December 21, 2004

J Timothy Hanley
Rainbow Water District
PO Box 8
Springfield OR 97477

RE: Application File G-15840

Mr. Hanley,

This is in response to your December 20, 2004 request for a 12-month administrative hold on application G-15840.

The Department has determined that an extension of your administrative hold is reasonable and necessary; we will not resume processing your application until after December 20, 2005.

If you have any questions, please feel free to call me at 503-986-0819.

Sincerely,

Dwight W. French
Water Right Section Manager

c: file



"Proudly serving North and West Springfield."

December 20, 2004

Corey Engel
Water Resources Department
Commerce Building
158 12th St. NE
Salem, OR 97310-0210

Subj: Request for Administrative Hold, File G-15840

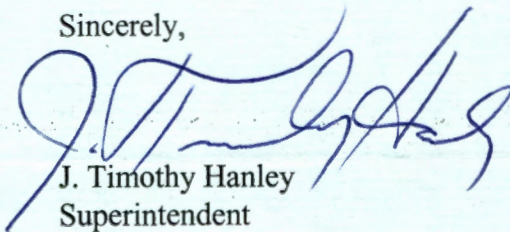
Dear Mr. Engel,

By this letter we request that an administrative hold for a period of twelve (12) months be placed on this application.

As you are aware, we have resolved the item in the Department's Initial Review Determination concerning the tributary to the McKenzie River and we believe we are progressing toward a resolution of possible injury to other users. We need the additional administrative hold to bring this resolution to fruition.

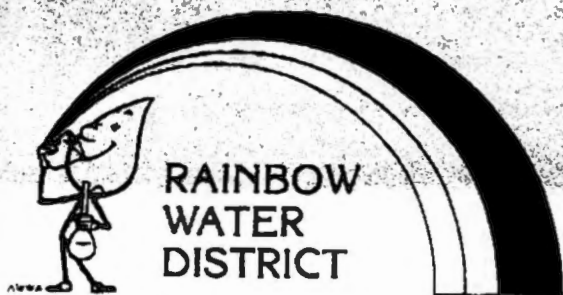
Thank you for your consideration of this request. We look forward to a favorable response to allow us time to develop and present these materials.

Sincerely,



J. Timothy Hanley
Superintendent





"Proudly serving North and West Springfield."

December 20, 2004

Corey Engel
Water Resources Department
Commerce Building
158 12th St. NE
Salem, OR 97310-0210

Subj: Request for Administrative Hold, File G-15840

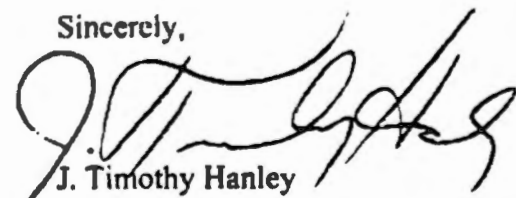
Dear Mr. Engel,

By this letter we request that an administrative hold for a period of twelve (12) months be placed on this application.

As you are aware, we have resolved the item in the Department's Initial Review Determination concerning the tributary to the McKenzie River and we believe we are progressing toward a resolution of possible injury to other users. We need the additional administrative hold to bring this resolution to fruition.

Thank you for your consideration of this request. We look forward to a favorable response to allow us time to develop and present these materials.

Sincerely,



J. Timothy Hanley
Superintendent



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

June 23, 2004

J Timothy Hanley
Rainbow Water District
PO Box 8
Springfield OR 97477

RE: Application File G-15840

Mr. Hanley,

This is in response to your May 11, 2004 request for an 18-month administrative hold on application G-15840.

The Department has determined that an administrative hold of 180 days is reasonable and necessary; we will not resume processing your application until after December 20, 2004. You may request additional time at the end of that period. Your request should include justification for the request; it will be evaluated to determine whether it is reasonable and necessary pursuant to OAR 690-310-0270(2).

If you have any questions, please feel free to call me at 503-986-0813.

Sincerely,

Mr. Cory C. Engel
Water Right Application Caseworker

c: file



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MAY 14 2004
WATER RESOURCES DEPT
SALEM, OREGON

DWF
FOR your APPROVAL
Cong, 180 days - CE
Approve for six months Their
letter does not convince us that a
longer hold is both reasonable &
needed

May 11, 2004

Corey Engel
Water Resources Department
Commerce Building
158 12th St. NE
Salem, OR 97310-0210

Subj: Request for Administrative Hold, File G-15840

Dear Mr. Engel,

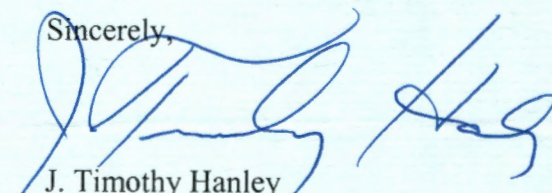
Thank you for your letter of April 23, 2004 concerning the Department's Initial Review Determinations of our application for ground water rights.

By this letter we request that an administrative hold for a period of eighteen (18) months be placed on this application.

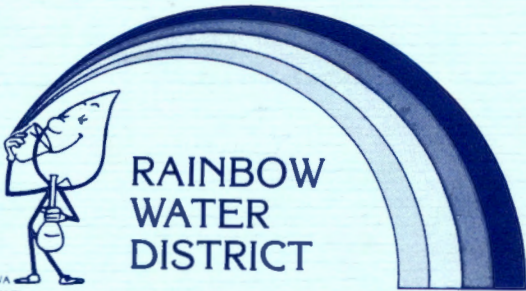
We have additional questions on the Initial Review Determinations and further information which we would like to present to the Department. These items will be the subject of separate correspondence in the near future.

Thank you for your consideration of this request. We look forward to a favorable response to allow us time to develop and present these materials.

Sincerely,



J. Timothy Hanley
Superintendent



RAINBOW
WATER
DISTRICT

"Proudly serving North and West Springfield."

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MAY 14 2004

WATER RESOURCES DEPT
SALEM, OREGON

May 11, 2004

Corey Engel
Water Resources Department
Commerce Building
158 12th St. NE
Salem, OR 97310-0210

Subj: Request for Administrative Hold, File G-15840

Dear Mr. Engel,

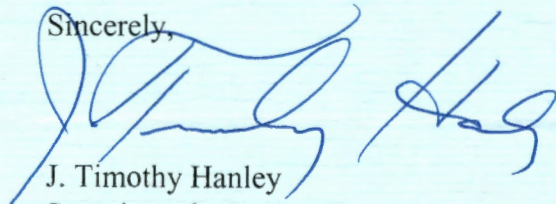
Thank you for your letter of April 23, 2004 concerning the Department's Initial Review Determinations of our application for ground water rights.

By this letter we request that an administrative hold for a period of eighteen (18) months be placed on this application.

We have additional questions on the Initial Review Determinations and further information which we would like to present to the Department. These items will be the subject of separate correspondence in the near future.

Thank you for your consideration of this request. We look forward to a favorable response to allow us time to develop and present these materials.

Sincerely,



J. Timothy Hanley
Superintendent

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MAR 07 2003

WATER RESOURCES DEPT.
SALEM, OREGON



AWWA
"Proudly serving North and West Springfield."

March 6, 2003

Water Resources Department
Commerce Building
158 12th St. NE
Salem, OR 97310-0210

Attn: Fred Lissner

Subj: Water Right Application #G 15840, Surface Water Influence Study

Dear Mr. Lissner,

Enclosed are several pages from a study which we performed at our I-5 Wellfield which is the subject of water right application # G15840 under review by your department.

For an eleven month period beginning on August 12, 1993 and ending on July 21, 1994 we monitored temperature, pH and conductivity weekly in the McKenzie River and in the water from one or both wells which are the subject of this application. The purpose of the study was to determine if these wells are influenced by the McKenzie River. The procedures followed were those provided by the Drinking Water Section of the Department of Human Resources, formerly known as the Oregon Health Division. Dennis Nelson, the Drinking Water Section's hydrogeologist was the project manager.

Enclosed are the following documents from that study:

1. A table of results showing sampling dates, parameters recorded at the wells and in the McKenzie River, and notes about well operations. The table shows that the wells did not run between the February 3 and April 21 sampling dates.
2. Plot of temperatures in the McKenzie River and our I-5 #1 well based on the data from the table described in item #1 above. Please note that the X axis labels refer to the number of days since August 1, 1993.
3. Plot of water conductivities similar to item #2 above.
4. Map showing the location of the wells and the river sampling point approximately 2 river miles upstream.

I hope that this information is helpful in evaluating our application.

Sincerely,

J. Timothy Hanley
Superintendent

encl.

1550 N. 42nd St. • P.O. Box 8 • Springfield, OR 97477 • (541) 746-1676 • FAX (541) 747-0845

RECEIVED

MAR 07 2003

WATER RESOURCES DEPT.
SALEM, OREGON

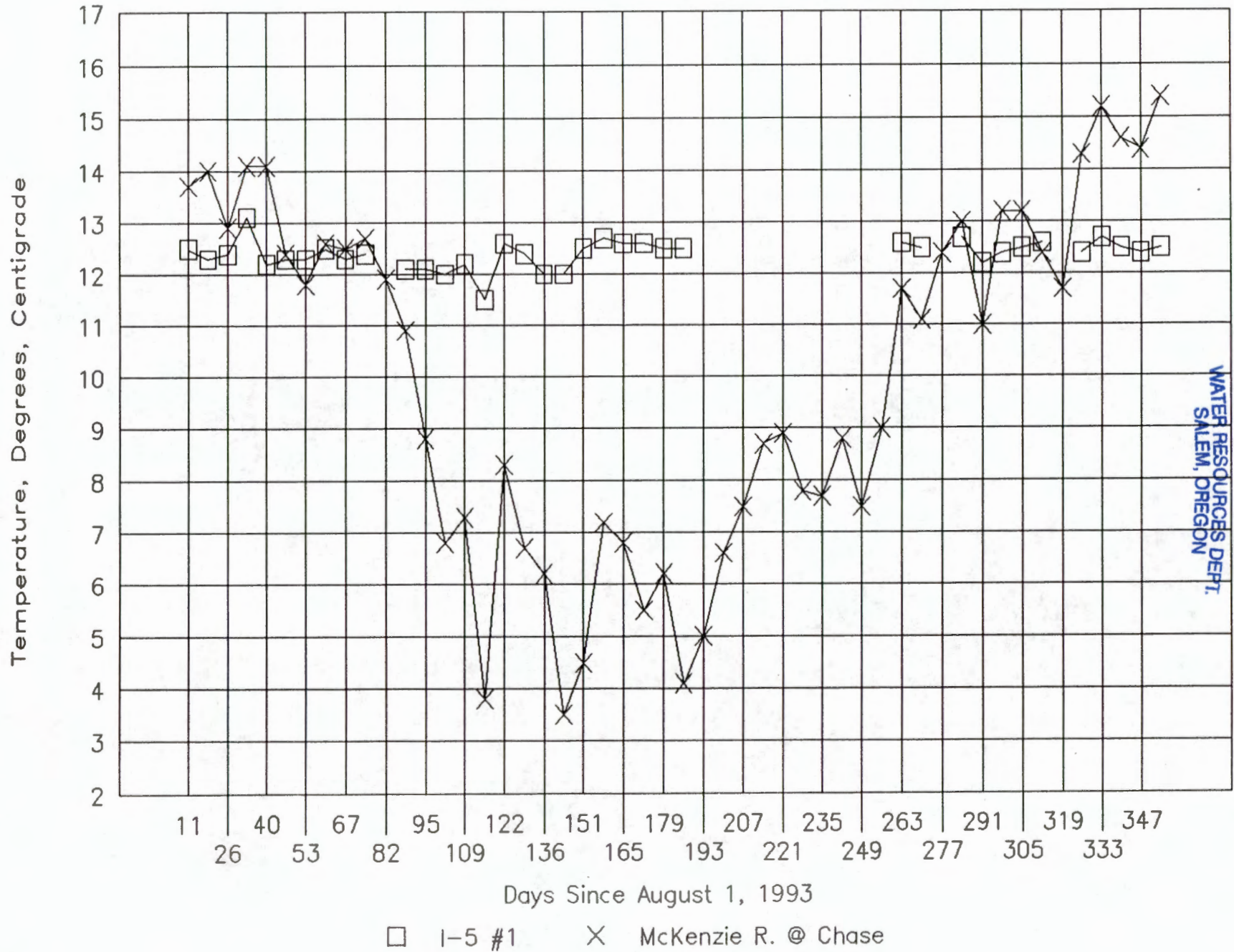
Water Quality Monitoring Results

I-5 and Q. St Wellfields 8/93 - 8/94

Date	Total Days fm 8/1	I-5 #1			I-5 #2			Point of Entry I-5 Residual Pt			I-5 Notes	McKenzie R. @ Chase		
		Temp. deg C	pH	Cond. mic S	Temp. deg C	pH	Cond. mic S	Temp. deg C	pH	Cond. mic S		Temp. deg C	pH	Cond. mic S
8/12/93	11	12.5	7.60		13.20	7.56						13.7	7.76	0.55
8/20/93	19	12.3	7.91		12.60	7.36						14.0	7.95	0.50
8/27/93	26	12.4	7.22		12.30	6.55						12.9	7.32	0.55
9/2/93	32	13.1	7.03		12.00	6.71						14.1	7.44	0.69
9/10/93	40	12.2	6.86	220	13.30	7.48	120	13.3	7.38	110	#2, no #1 @ POE	14.1	7.47	50 0.72
9/16/93	46	12.3	6.95	170				12.3	6.91	190	#1 1.5 hrs, no #2 @ POE	12.4	7.47	60 0.70
9/23/93	53	12.3	7.42	160				12.5	7.21	180	#1 1.5 hrs, no #2 @ POE	11.8	7.25	60 0.85
9/30/93	60	12.5	7.28	130				12.6	7.14	170	#1 1.5 hrs, no #2 @ POE	12.6	8.00	50 0.86
10/7/93	67	12.3	7.35	160				12.5	7.25	240	#1 1.25 hrs, no #2 @ POE	12.5	7.97	50 0.75
10/14/93	74	12.4	7.36	160				12.3	7.10	180	#1 2.5 hrs, no #2 @ POE	12.7	7.50	50 0.84
10/22/93	82				13.10	7.43	120	13.0	7.42	120	#2 24 hrs, no #1 @ POE	11.9	7.74	40 0.80
10/28/93	88	12.1	8.00	200				12.2	7.24	230	#1 2.5 hrs, no #2 @ POE	10.9	7.84	50 0.70
11/4/93	95	12.1	7.05	210				12.2	6.75	260	#1 1.0 hrs, no #2 @ POE	8.8	7.92	60 0.58
11/11/93	102	12.0	7.04	240				11.9	6.78	310	#1 1.0 hrs, no #2 @ POE	6.8	7.68	70 0.62
11/18/93	109	12.2	6.99	200				11.8	6.84	260	#1 1.0 hrs, no #2 @ POE	7.3	8.00	70 0.55
11/24/93	115	11.5	7.17	240				11.8	6.86	270	#1 1.0 hrs, no #2 @ POE	3.8	7.42	70 0.66
12/1/93	122	12.6	6.88	160				11.9	6.65	190	#1 1.3 hrs, no #2 @ POE	8.3	7.49	60 1.48
12/9/93	130	12.4	6.96	180				12.0	7.10	180	#1 1.5 hrs, no #2 @ POE	6.7	7.46	40 2.52
12/15/93	136	12.0	6.94	300				11.5	6.82	350	#1 1.3 hrs, no #2 @ POE	6.2	7.67	60 1.04
12/22/93	143	12.0	7.15	220				11.9	6.48	240	#1 1.5 hrs, no #2 @ POE	3.5	6.82	60 0.57
12/30/93	151	12.5	7.38	170				11.8	7.72	160	#1 1.0 hrs, no #2 @ POE	4.5	8.06	50 0.49
1/6/94	158	12.7	7.49	160				12.5	7.32	160	#1 on 3+ hrs before testing	7.2	7.44	30 2.00
1/13/94	165	12.6	7.47	160				12.5	7.39	160	#1 on nearly continuously last 3 d	6.8	7.44	30 0.90
1/20/94	172	12.6	7.35	160				12.3	6.99	220	#1 on 1.5 hrs, no #2 @ POE	5.5	7.66	50 0.59
1/27/94	179	12.5	8.06	170				12.4	7.15	160	#1 on 1.8 hrs, no #2 @ POE	6.2	7.91	50 0.76
2/3/94	186	12.5	7.52	180				12.8	7.27	190	#1 on 1.5 hrs, no #2 @ POE	4.1	8.24	50 0.55
2/10/94	193							12.7	7.18	170	#1, #2 off	5.0	7.25	50 0.61
2/17/94	200							12.5	7.20	170	#1, #2 off	6.6	7.49	60 0.85
2/24/94	207										#1, #2 off	7.5	7.38	40 7.50
3/3/94	214											8.7	7.76	40 1.10
3/10/94	221											8.9	8.03	50 0.80
3/17/94	228											7.8	7.50	50 0.66
3/24/94	235											7.7	7.42	40 0.97
3/31/94	242											8.8	7.51	50 3.80
4/7/94	249											7.5	7.37	50 1.30
4/14/94	256											9.0	8.07	40 0.96
4/21/94	263	12.6	7.22	180				12.6	7.09	190	#1 ran 1.5 hrs.	11.7	7.62	50 0.55
4/28/94	270	12.5	7.48	170				12.7	7.35	210		11.1	8.05	50 0.55
5/5/94	277							12.9	7.13	190	#1 ran 1.75 hrs @ POE, SUB pH mete	12.4	7.88	50 0.61
5/12/94	284	12.7	7.46	140				12.8	7.35	150	#1 ran 1.5 hrs @ POE, SUB pH meter	13.0	7.68	60 0.43
5/19/94	291	12.2	7.38	240				12.1	7.20	300	#1 ran 1.2 hrs @ POE, RWD pH meter	11.0	7.87	60 0.41
5/26/94	298	12.4	7.24	140				12.3	7.29	160	#1 ran continuously @ POE	13.2	7.88	60 0.40
6/2/94	305	12.5	7.27	150				12.5	6.92	150	#1 ran continuously @ POE	13.2	7.28	60 0.45
6/9/94	312	12.6	7.47	140				13.0	7.39	160	#1 ran 5.25 hrs @ POE	12.4	7.86	50 0.50
6/16/94	319				12.60	7.36	170	12.8	7.09	190	#2 ran 1.5 hrs @ POE	11.7	7.83	50 0.60
6/23/94	326	12.4	7.04	180	13.00	7.31	160	12.7	7.04	160	#2 ran 2.5 hrs @ POE	14.3	7.70	60 0.35
6/30/94	333	12.7	7.36	140	13.60	7.38	130	13.0	7.32	130	#1 ran 8 hrs, #2 ran 5.5 hrs @ POE	15.2	7.41	60 0.34
7/7/94	340	12.5	7.23		13.20	7.13		12.8	7.14		Nearly continuous well operation	14.6	7.81	0.40
7/14/94	347	12.4	7.58	140	13.50	7.58	110	12.8	7.76	120	Nearly continuous well operation	14.4	7.87	50 0.37
7/21/94	354	12.5	7.76	130	13.30	7.53	130	12.8	7.40	130	Nearly continuous well operation	15.4	7.83	50 0.45
Average		12.4	7.32	178	13.0	7.28	134	12.4	7.15	192		10.0	7.67	52 0.94
Maximum		13.1	8.06	300	13.6	7.58	170	13.3	7.76	350		15.4	8.24	70 7.50
Minimum		11.5	6.86	130	12.0	6.55	110	11.5	6.48	110		3.5	6.82	30 0.34
Std. Deviation		0.27	0.29	38	0.47	0.32	21	0.41	0.26	55		3.41	0.28	9 1.10

I-5 #1 v. McKenzie River

Temperature in Degrees Centigrade



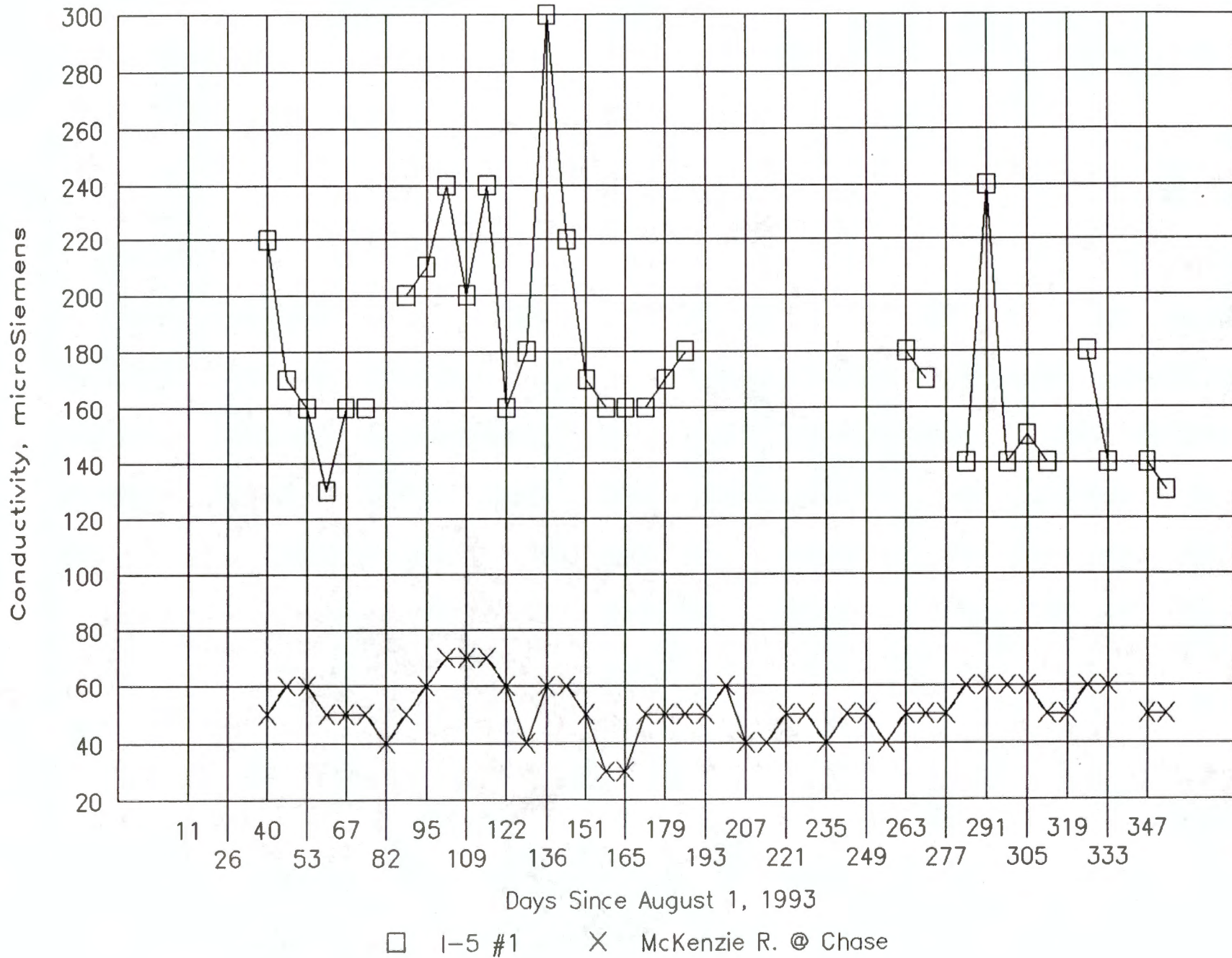
WATER RESOURCES DEPT.
SALEM, OREGON

MAR 07 2003

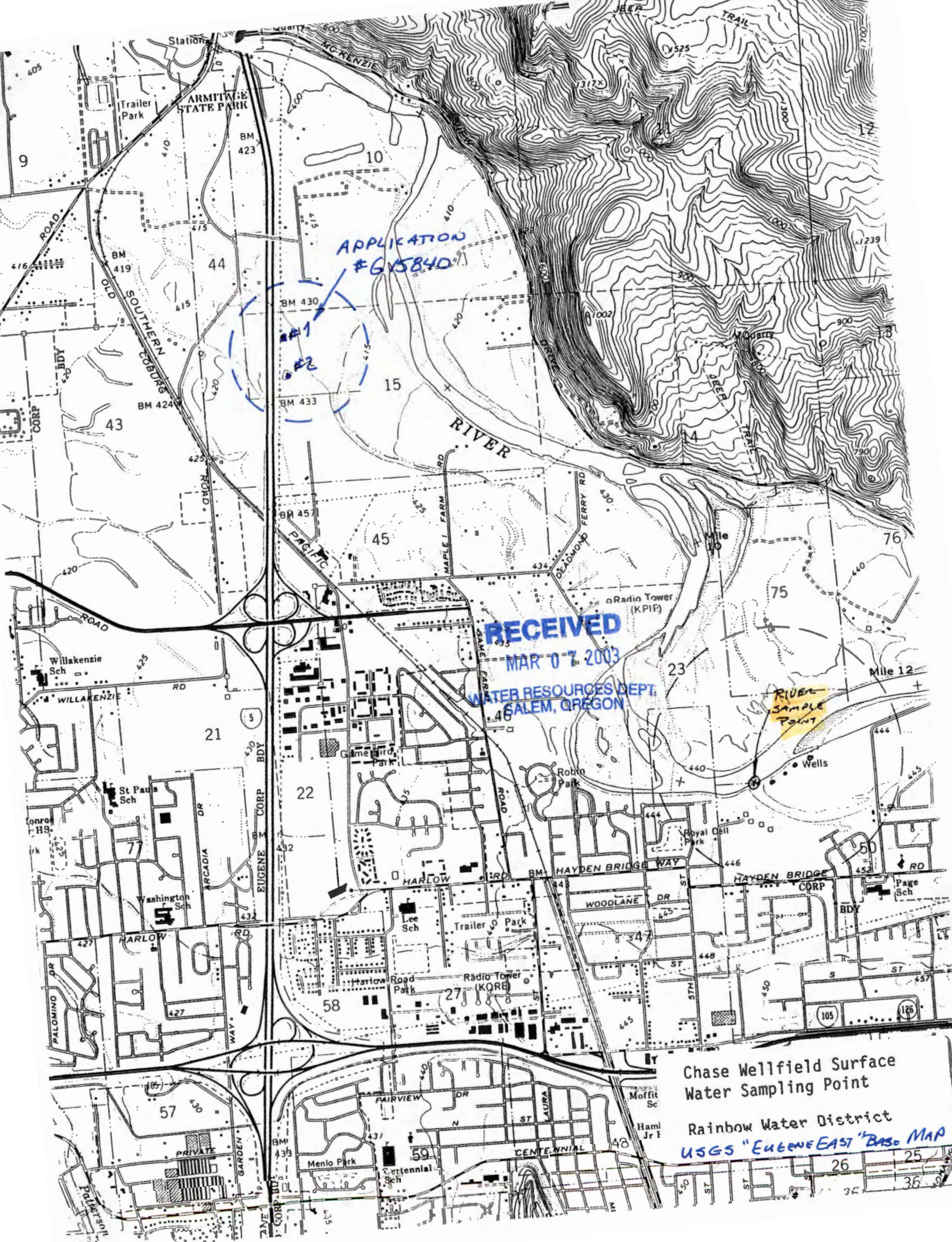
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I-5 #1 v. McKenzie River

Conductivity in microSiemens



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RIVER
SAMPLE
POINT

Chase Wellfield Surface
Water Sampling Point

Rainbow Water District
USGS "EUGENE EAST" BASE MAP

G-15840



Oregon Water Resources Department Land Use Information Form

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, or used only on federal lands.

To Be Completed By Applicant

The following section includes information about proposed water use. This section must be completed by the individual or group that is filing an application for a water right with the Water Resources Department.

A. Applicant

Name: Rainbow Water District
Address: PO Box 8
City: Springfield, State: OR Zip: 97477 Day Phone: 541-746-1676

B. Land and Location

Please provide information as requested below for all tax lots on or through which water will be diverted, conveyed, or used. Check "diverted" if water is diverted (taken) from its source on tax lot, "conveyed" if water is conveyed (transported) on tax lot, and "used" if water will be put to beneficial use on tax lot. More than one box may be checked. (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 I.D.	Plan Designation (e.g. Rural Residential/RR-5)	Water to be: (check all that apply)		
17-03-15-800	<u>E30</u>	<input checked="" type="checkbox"/> Diverted	<input type="checkbox"/> Conveyed	<input type="checkbox"/> Used
		<input type="checkbox"/> Diverted	<input type="checkbox"/> Conveyed	<input type="checkbox"/> Used
		<input type="checkbox"/> Diverted	<input type="checkbox"/> Conveyed	<input type="checkbox"/> Used

List counties and cities where water is proposed to be diverted, conveyed, or used. _____

C. Description of Water Use

Indicate what the water will be used for. Include the beneficial use (found in the instruction booklet for your water right application) and use the space below to describe the key characteristics of the project.

Beneficial Use(s): Municipal and Quasi Municipal
Briefly describe: The wells were drilled in 1974 and 1975 and have served the Springfield area since then.

D. Source

Indicate the source for the proposed water use:
 Reservoir/Pond Ground Water Surface Water _____ (source)

E. Quantity

Indicate the estimated quantity of water the use will require:
6.25 CFS GPM Acre-Feet

Receipt for Request for Land Use Information

State of Oregon
Water Resources Department
Commerce Bldg.
158 12th St. NE
Salem, OR 97310-0210
(503)378-8455

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For Local Government Use Only

The following section must be completed by a planning official from each county and city listed unless your project will be located entirely within the city limits. In this case, only the city planning agency must complete this form. Please request additional forms as needed or feel free to copy.

A. Allowed Use

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); LC10.110-10(8). Go to section B "Approval" below
Permits issued BP2075-74 & BP18-76 as permitted use.
- Land uses to be served by proposed water uses (including proposed construction) involve discretionary land use approvals as listed in the table below.

Type of Land Use Approval Needed (e.g. plan amendments, rezones, conditional use permits, etc.)	Cite Most Significant, Applicable Plan Policies & Ordinance Section References	Check the item that applies: Land Use Approval:	
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being pursued <input type="checkbox"/> Not being pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being pursued <input type="checkbox"/> Not being pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being pursued <input type="checkbox"/> Not being pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being pursued <input type="checkbox"/> Not being pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being pursued <input type="checkbox"/> Not being pursued

Note: Please attach documentation of applicable local land use approvals which have already been obtained. (Record of Action plus accompanying findings is sufficient.)

B. Approval

Please provide printed name and written signature.

Name: S. Helfrich Date: 11/19/02
 Title: Planner Phone: (541) 682-3607
 Signature: S. Helfrich

C. Additional Comments

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.

Note: If this form cannot be completed while the applicant waits, sign and detach the receipt stub as instructed below. You will have 30 days from the Water Resources Department's notice date to return the completed Land Use Information Form or WRD will presume the land use associated with the proposed water right is compatible with local comprehensive plans. (See attached letter.)

Receipt for Request for Land Use Information

Name of water right applicant: Rainbow Water Dist.

This receipt must be signed by a local government representative and returned to the applicant at the time they present this form. This receipt must be included in the application for a water right permit if the local government cannot provide the requested land use information while the applicant waits.

City or County: Lane Co.
 Staff contact: Sherill Helfrich Phone: 682-3607
 Signature: S. Helfrich Date: 09/17/02

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NOV 21 2002
WATER RESOURCES DEPT.
SALEM, OREGON



"Proudly serving North and West Springfield."

July 20, 2006

Corey Engel
Water Resources Department
Commerce Building
158 12th St. NE
Salem, OR 97310-0210

Subj: Groundwater Permit Application File G-15840

Dear Mr. Engel,

We request that the Rainbow Water District's (Rainbow's) application for groundwater rights in the amount of 7.0 cubic feet per second (cfs), Oregon Water Resources Department (OWRD) File G-15840, be removed from administrative hold status and that processing by OWRD resume.

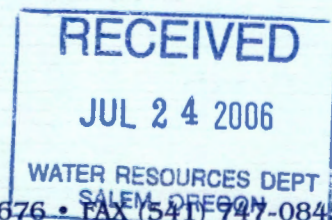
This letter and the materials enclosed with it address the primary concerns raised in OWRD's April 23, 2004 initial review of the application: (1.) potential for substantial interference with an unnamed tributary of McKenzie River and McKenzie River, and (2.) potential for injury to senior water right holders in the area of these wells.

A. Potential for Interference with an Unnamed Tributary of McKenzie River and McKenzie River -

The unnamed tributary of the McKenzie River appears to be the dashed-and-dotted blue line shown on the "Eugene East Quadrangle" of the 7.5 Minute Series topographic map published by the USGS. As shown on the USGS map, this tributary lies east within 1/4 mile of the two wells (I-5 #1 and #2) which are the subject of this application.

On November 18, 2004, OWRD District 2 Water Master Michael Mattick visited the area and determined that this is not a tributary to the McKenzie River. Mr. Mattick described this as an old meander channel, that the channel is blocked off from the McKenzie River and experiences flows only during extreme high levels. Mr. Mattick also stated that the McKenzie River appears to have down cut and is significantly below the bottom of this meander channel. Copies of two e-mail correspondences from Mr. Mattick which contain these comments are included as Appendices 1. and 2. to this letter.

We believe that this finding addresses item numbers 2. and 3. in OWRD's Initial Review Determinations (IRD) of April 23, 2004.



B. Potential Injury to Prior Water Rights -

The two wells which are the subject of this application (I-5 #1 and I-5 #2) were drilled in 1974 and 1975 and placed into municipal/quasi-municipal service shortly thereafter. Appendix 3. shows the history of the annual amount of water produced from these wells for each year from 1978 through 2005. There are a number of significant facts related to this information:

1. A review of records for the period from 1980 to the present found that Rainbow received no complaints concerning interference to other pumping wells in the area. Appendix 1 from OWRD District 2 Water Master Michael Mattick indicates that during his tenure as District 2 Water Master, he has not received any complaints of ground water interference from the operation of these wells. Mr. Mattick adds in the same correspondence that he is not aware of any complaints prior to his arrival in the position.
2. Appendix 3. shows that during the time period in which these wells have operated, the annual amount of water produced from them has trended upward. This reflects the increasing urbanization of the area, particularly to the south and west of the wells. This urbanization has generally tended to eliminate or significantly reduce the amounts of water pumped from senior users. A significant portion of the farm land that was formerly irrigated by these rights is within the Springfield or Eugene urban growth boundaries and much of this land has become residential and commercial subdivisions, typically irrigated with municipal water from Rainbow or the Springfield Utility Board (SUB) on the east side of I-5 and EWEB on the west side. Rainbow's experience with these developments is that the water supply well is typically abandoned and the water right no longer exercised. The rate of urbanization in this area is accelerating due to a number of new developments in the area, led by the construction of a new 350 bed hospital and related medical clinics, scheduled to open in 2008.
3. Appendix 4. contains a series of aerial photographs showing the subject wells and an area of approximately one mile around them. EWEB has graciously provided these maps and added the locations of potential senior users in the area. Within a radius of one mile from the wells, the following totals of potential users are shown:

Totals of Potential Senior Users Within One Mile of Application G-15840
(as shown on "Inventory of Potential Senior Water Rights by EWEB, April 2006)

Ground Water Rights (CFS)	Ground Water Registrations	
	West of McKenzie (GPM)	East of McKenzie River (GPM)
6.15	1,367	390

4. There are also a number of potential exempt users within a one mile radius of this application. As stated in 1. above, Rainbow has not received any complaints of well interference from any residents of the area since 1980 nor has Mr. Mattick's office. Since the two I-5 wells have operated since 1975 at the pumping rates requested in the application, it is very unlikely that approving this application will affect these potential exempt users.

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5. In 1982 Rainbow and the Springfield Utility Board agreed on a scheduled transfer of water service facilities to SUB for those customers annexed to the City of Springfield. The agreement called for Rainbow to continue to serve water customers annexed to the City of Springfield for a period of ten years. In 1992, Rainbow and Springfield Utility Board (SUB) recognized the increased urbanization of the area and executed a replacement agreement. The 1992 agreement provided that Rainbow customers whose properties had been previously annexed to the City of Springfield and withdrawn from Rainbow were transferred in May, 1992 to SUB. Annexations and withdrawals which occur subsequent to 1992 continue to be transferred on June 30 each year in accordance with ORS 222.465. An essential part of this 1992 agreement is that Rainbow will continue to provide water to these transferred customers through a wholesale cost arrangement with SUB. The majority of this water supply is from the two wells which are the subject of this application. Implementation of this agreement has been very smooth from its beginning fourteen years ago and has lead to a high degree of coordination in water operation between Rainbow and SUB. SUB fully supports this water right application, G-15840.

6. Rainbow lies entirely within the Springfield urban growth boundary (UGB). The Eugene-Springfield area comprehensive land use plan (Metro Plan) provides that SUB will be the ultimate water service provider in the Springfield UGB. At such time in the future when Rainbow is not able to remain viable, the 1992 Agreement and a supplemental 1996 agreement provide that Rainbow will dissolve in accordance with state law and transfer all water service to SUB. This transfer also envisions transferring Rainbow's water rights, water supply, transmission and distribution facilities to SUB to ensure a smooth transition of water service for all Springfield area water customers. The staffs of both utilities are very aware of this future transition and coordinate water system planning and construction .

7. As part of its responsibility to provide adequate water source for new development and water needs within the historical Rainbow service area which arise subsequent to the transfer of Rainbow customers, SUB developed a groundwater source in the 1990's, OWRD permit number 12845. The 1,998 GPM of this permit represents the major senior water right in the area, as shown in the table in section 3. above. This well was constructed in coordination with Rainbow and supplements water supply from Rainbow's I-5 #1 and I-5 #2 wells to the combined area served by Rainbow and SUB through both SUB and Rainbow owned facilities. Both utilities realize the important role of this well plus Rainbow's I-5#1 and #2 wells in Springfield's water supply and closely coordinate their operation, testing and maintenance.

C. Other Information Relevant to this Application

1. The coordination of the Eugene-Springfield regional water supply has been a focus of attention by EWEB, SUB and Rainbow in recent years. After thoughtful deliberations, the three utilities have executed a Cooperative Agreement for Water System Interties which has recently been approved by the boards of directors of the three utilities. This agreement provides the institutional framework for the design, construction, operation, maintenance and administration of water system interties among the three utilities. The purpose of this agreement is to ensure the three utilities have the capability to provide and receive significant quantities of water for unusual operational as well as emergency assistance and represents an important milestone in ensuring the reliability of the regional water supply.

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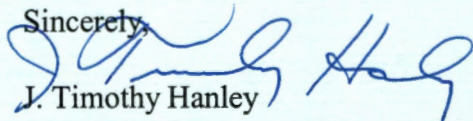
2. Other important steps in utilizing the regional aspects of water supply include agreement in concept to draft an intergovernmental agreement among the three water providers concerning EWEB's water right application G-15857, for EWEB's proposed confluence wellfield, if approved by ODWR. It also includes unified support of SUB's application for an exemption under the Willamette Basin Plan for water right application, S-28213.

We believe our long, historical cooperation with SUB and more recently with EWEB, set a high standard for supportive cooperation among water utilities. The vision of addressing the water supply needs of the region in a timely, economical and proactive manner is being realized at the planning, construction and operational levels. The water right application which is the subject of this letter plays an integral and vital role in the Eugene-Springfield regional water supply. Furthermore, we hope that we have shown that in the nearly thirty years of the wellfield's operation, no interference has been reported from senior users in the area. The largest senior user in the area by a very large margin (SUB), fully understands the importance of Rainbow's I-5 #1 and #2 wells and strongly supports this application

In closing, we thank you and the department for meeting with us, answering our questions and for granting administrative holds on this water right application. Your department's valuable input and patience has allowed us the opportunity to fully address the issues raised in the IRD and to grow the significant support from both EWEB and SUB which underlie this application.

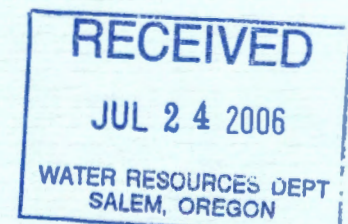
We look forward to your favorable review of this application and welcome any questions which may arise.

Sincerely,


J. Timothy Hanley
Superintendent

List of Appendices

Number	Description
1.	July 6, 2006 e-mail from Michael Mattick to Tim Hanley
2.	May 2, 2005 e-mail from Michael Mattick to Brad Taylor, EWEB
3.	Annual Water Production Chart, I-5 Wells #1 and #2 (application G-15840)
4.	Potential Senior Rights in Area of I-5 Wells #1 and #2, sheet numbers 6, 7, 9, 10, 11, 13, 14, 15



From: Michael Mattick <Michael.J.Mattick@wrд.state.or.us>
To: hanleyt@juno.com
Date: Thu, 06 Jul 2006 12:04:08 -0700
Subject: Re: Tributary Determination and Interference with Senior Water Right Users

Greetings Tim,

This is to confirm that the "tributary" to the McKenzie River in the vicinity of your wells included in application G-15840 really is Not a "tributary" but is an old meander channel, that the channel is blocked off before it reaches the area of the Rainbow wells and that no water flows down this except during extreme high water events.

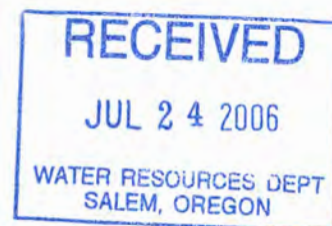
I can also state that I have not received any complaints of Ground Water Interference from these wells in the 8 years I have been here, nor am I aware of any complaints being made before my arrival.

Sincerely,
Michael J. Mattick
District 2 Watermaster

At 09:38 AM 6/5/2006, you wrote:

Rainbow Water District
P.O. Box 8
Springfield, OR 97477
FAX (541) 747-0845
June 5, 2006

Michael Mattick
Water Master
Oregon Department of Water Resources
225 N 5th Street
Springfield, OR 97477



Subj: Tributary Determination and Interference with Senior Water Right Users

Reference: Water Right Application File # G 15840

Dear Mr. Mattick,

We are presently assembling supporting information for the subject water right application which relates to two existing wells located north of the Royal Caribbean Cruise Lines call center and just east of I-5, approximately one mile north of the Beltline Road interchange with I-5. I am writing you to request your assistance on following two items:

1. Tributary to the McKenzie River - In November, 2004, you accompanied me on a visit to an ancestral oxbow west of the McKenzie River and east of these two wells. After inspecting the oxbow channel, you confirmed that it is not considered a tributary of the McKenzie River since it does not contain water during normal river flows. Will you please confirm this in your response to this request?

2. Injury to Senior Water Right Holders - These two wells were drilled and placed into production in the 1970's and one or both have operated nearly continually since then. We are not aware of any complaints from senior water right holders in the area during the time the wells have been in service. Will you please indicate any complaints which your office has received concerning these wells?

Thank you for your assistance with this request. I look forward to your response.

Sincerely,

J. Timothy Hanley
Superintendent

Michael Mattick
Watermaster, District 2
220 5th St.
Springfield, Oregon 97477

Usually open 8:30 AM until 4 PM
call for appointments

Phone 541 682-3620
Fax 541 746-1861
e mail michael.j.mattick@state.or.us
Water Resources Department Web Site: <http://www.wrd.state.or.us>



>>> Michael Mattick < Michael.J.Mattick@wrd.state.or.us > 5/2/2005 5:35:47 PM >>>
Hi Brad,

Here are my notes and thoughts about the ditches and streams in the vicinity of the well sites identified in application G-15857. Followed by my notes regarding the Slough potentially affecting the Rainbow application.

I visited the area on April 14th.

In T 17 S, R 3 W, sec 16, I did not see any remnants of the intermittent channel, shown on the USGS map, running roughly from the SE to the central West of the section.

In Section 17, there is a ditch in the SE corner of the section, about 160 feet long, 70 feet of it is 4 to 6 feet deep and 90 feet of it is 1 to 4 ft deep. It does not appear to have an inlet or outlet. It had no water in it. I found this channel again about 1000 feet NW and again near a park near the intersection of Park Wood and Lake Side (N 44.09901, W 123.07416), the ditch is about 5 feet deep and runs from the intersection to the NW. I also found the channel about 800 feet West of Well site # 12, in all cases the bottom was dry. This drainage system does not appear to even be an intermittent stream, though it may sometimes be wet.

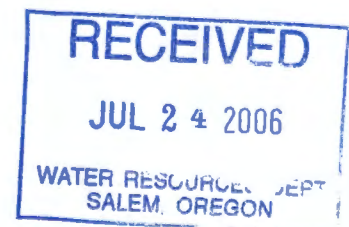
Conversely, the channel which runs from the South Central part of Section 17, near Benson Street and South of and between well sites 8 and 9, was flowing about 100 gpm (ocular estimate) during my visit. The channel is deeply incised (about 9 feet deep). This channel flows Northwest to Dodson Slough. Dodson Slough is historic surface water channel that was once mined for gravel and is now a lake area which still drains to the Willamette River.

These are my notes from my inspection of the slough next to the McKenzie: On November 18, 2004, I met Tim Hanley of Rainbow Water District and we walked most of the slough that shows up in T 17 S, R 4 W, section 15. This is no longer a water body. I found no flowing water. The only place I even saw standing water was in the bottom of a borrow pit next to a dike road in the North 1/4 of section 15. I took 7 pictures in the slough, on the dike, of the dike, of the slough outlet. I do not believe water has been in this channel since the 1996 flood event. It looks like the river has down cut and is significantly lower than this channel bottom. There are no surface water rights which would use this channel that we need to concern ourselves with.

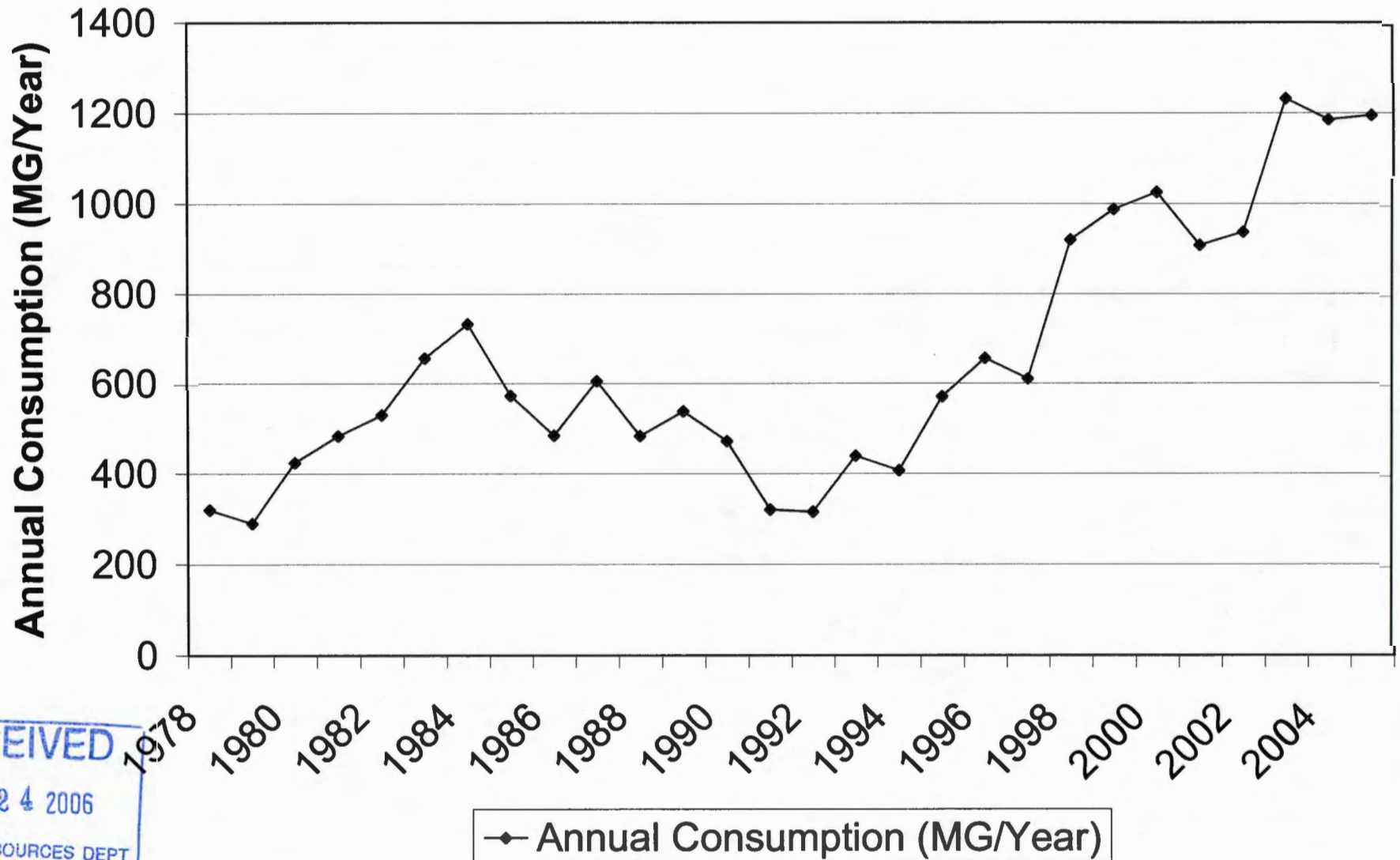
Let me know if you need anything else.

I am sure they could be clearer, but let me know if you have any specific questions.

MM



Annual Water Production History (MG/Year) I-5 Wellfield, Rainbow Water District



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JUL 24 2006
WATER RESOURCES DEPT
SALEM, OREGON

Mailing List for FO Copies

Application #G-15840

Original mailed to applicant with claim of beneficial use form:

RAINBOW WATER DISTRICT
ATTN: J TIMOTHY HANLEY
PO BOX 8
SPRINGFIELD OR 97477

- Copies sent to:**
1. WRD - File # G-15840
 2. WRD - Ken Stahr
 3. WRD - Dam Safety (for reservoir applications only)

Copies Mailed	
By: <u>MS</u>	(SUPPORT STAFF)
on: <u>9-18-08</u>	(DATE)

FO and Map Copies sent to (remember to reduce copy margins):

4. WRD - Watermaster District #: District 2

Copies sent to Other Interested Persons (CWRE, Agent, Commenter, etc.)

5. Chuck Arrera, 202 S. 18th St. Springfield OR 97477
6. Jay Bozievich, PE 500 E 4th Ave, PO Box 10148, Eugene, OR 97440

"\$10 LETTER" sent to Interested Persons who have not protested or paid for copies

- 1.

CASEWORKER : Brook Geffen



State of Oregon
Water Resources Department
 158 12th Street NE, Salem, OR 97310
 (503)378-8455 • (800)624-3199
 www.wrd.state.or.us

Application for a Permit to Use Ground Water

Please type or print in dark ink. If your application is found to be incomplete or inaccurate, we will return it to you. If any requested information does not apply to your application, insert "n/a." Please read and refer to the instructions when completing your application. Thank you.

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WATER RESOURCES DEPT.
 SALEM, OREGON

1. APPLICANT INFORMATION

A. Individuals

Applicant: _____
First Last

Co-applicant: _____
First Last

Mailing address: _____

City State Zip

Phone: _____
Home Work Other

*Fax: _____ *E-Mail address: _____

B. Organizations

(Corporations, associations, firms, partnerships, joint stock companies, cooperatives, public and municipal corporations)

Name of organization: Rainbow Water District

Name and title of person applying: J. Timothy Hanley

Mailing address of organization: PO Box 8
Springfield Oregon 97477
City State Zip

Phone: 541-746-1676
Day Evening

*Fax: 541-747-0845 *E-Mail address: hanleyt@juno.com

*Optional information

For Department Use		
App. No. <u>G-15840</u>	Permit No. _____	Date _____

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SALEM, OREGON

2. PROPERTY OWNERSHIP

Do you own all the land where you propose to divert, transport, and use water?

Yes (Skip to section 3 "Ground water Development.")

No Please check the appropriate box below.

I have a recorded easement or written authorization permitting access.

I do not currently have written authorization or easement permitting access.

List the names and mailing addresses of all affected landowners.*

Oregon Department of Transportation

Salem, Oregon

**If more than 25 landowners are involved, a list is not required. See instructions.*

3. GROUND WATER DEVELOPMENT

A. Number of well(s): 2 B. Name of nearest surface water body: McKenzie River

C. Distance from well(s) to nearest stream or lake: 1) 1/2 Mile

2) _____ 3) _____ 4) _____

D. If distance from surface water is less than one mile, indicate elevation difference between nearest surface water and well head. 1) Well #1 = 16'

2) Well #2 = 17' 3) _____ 4) _____

E. Well Characteristics

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 constructor's log and the well ID number, if available, for each well with this application. Identify each well with a number corresponding to the wells designated on the map and proceed to question F in this section of the form. If the well has not been constructed, or if you do not have a well log, please complete the following:

Well(s) will be constructed by: See Attached Well Logs

Address: _____

Completion date: _____

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SALEM, OREGON

2. Please provide a description of your well development. (Attach additional sheets if needed.)

Well No.	Diameter	Type and size of casing	No. of feet of casing	Intervals casing is perforated (in feet)	Seal depth	Est. depth to water	Est. depth to water bearing stratum	Type of access port or measuring device	Total well depth
	Please refer to the attached Driller's Logs								

F. Artesian Flows

If your water well is flowing artesian, describe your water control and conservation works:

N/A

4. WATER USE

Please read the instruction booklet for more details on "type of use" definitions, how to express how much water you need and how to identify the water source you propose to use. You must fill out a supplemental form for some uses as they require specific information for that type of use.

A. Type(s) of Use(s)

See list of beneficial uses provided in the instructions.

- If your proposed use is **domestic**, indicate the number of households to be supplied with water: _____
- If your proposed use is **irrigation**, please attach Form I
- If your proposed use is **mining**, attach Form R

XX ☉ If your proposed use is **municipal or quasi-municipal**, attach Form M

- If your proposed use is **commercial/industrial**, attach Form Q

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B. Amount of Water

Provide the production rate in gallons per minute (gpm) and the total annual amount of water you need from each well, from each source or aquifer, for each use. You do not need to provide source information if you are submitting a well log with your application.

Well No.	Source or aquifer	Type of use	Total rate of water requested (in gpm)	Total annual quantity (in gallons)	Production rate of well (in gpm)
I-5#1	See Well Log	MU	1,370	680 Million	1,400
I-5#2	See Well Log	MU	1,770	840 Million	1,800

C. Maximum Rate of Use Requested

What is the maximum, instantaneous rate of water that will be used? 7.0 CFS
(The fees for your application will be based on this amount.)

D. Period of Use

Indicate the time of year you propose to use the water: Year Round
(For seasonal uses like irrigation give dates when water use would begin and end, e.g. March 1–October 31.)

E. Acreage

If you will be applying water to land, please give the total number of acres where water will be applied or used: N/A
(This number should be consistent with you application map.)

5. WATER MANAGEMENT

A. Diversion

What equipment will you use to pump water from your well(s)?

- Pump (give horsepower and pump type) 1-200 HP Vertical Turbine Pump in each well
- Other means (describe) _____

B. Transport

How will you transport water to your place of use?

- Ditch or canal (give average width and depth)
Width _____ Depth _____
Is the ditch or canal to be lined? Yes No
- Pipe (give diameter and total length)
Diameter 24" Length 2 Miles
- Other (describe) _____

C. Application/Distribution Method

What equipment will you use to apply water to your place of use? _____

Irrigation or land application method (check all that apply):

- Flood
- High-pressure sprinkler
- Low pressure sprinkler
- Drip
- Water cannons
- Center pivot system
- Hand lines
- Wheel lines
- Siphon tubes or gated pipe with furrows
- Other, describe _____

Distribution method

- Direct pipe from source
- In-line storage (tank or pond)
- Open canal

D. Conservation

What methods will you use to conserve water? Why did you choose this distribution or application method? For example, if you are using sprinkler irrigation rather than drip irrigation, explain. If you need additional space, attach a separate sheet.

Please refer to Form M

6. PROJECT SCHEDULE

Indicate the anticipated dates that the following construction tasks should begin. If construction has already begun, or is completed, please indicate that date.

Proposed date construction will begin 1974

Proposed date construction will be completed 1975

Proposed date beneficial water use will begin 1975

7. REMARKS

If you would like to clarify any information you have provided in the application, please do so here and reference the specific application question you are addressing.

Beginning in 1992 the District transferred its city customers to the Springfield Utility Board (SUB) in accordance with state law. The District continues to provide water to these transferred areas acting as a wholesale provider to SUB. The District's area is shown highlighted on the enclosed map and its former service area is shown hatched on the same map.

8. MAP REQUIREMENTS

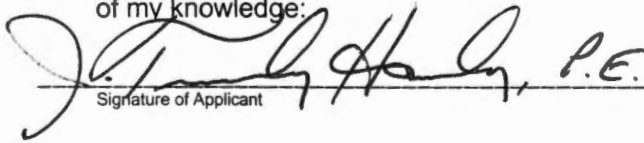
The Department cannot process your application without accurate information showing the source of water and location of water use. You must include a map with this application form that clearly indicates the township, range, section, and quarter/quarter section of the proposed well location and place of use. The map must provide tax lot numbers. See the map guidelines sheet for detailed map specifications.

9. SIGNATURE

By my signature below I confirm that I understand:

- I am asking to use water specifically as described in this application.
- Evaluation of this application will be based on information provided in the application packet.
- I cannot legally use water until the Water Resources Department issues a permit to me.
- If I get a permit, I must not waste water.
- If development of the water use is not according to the terms of the permit, the permit can be canceled.
- The water use must be compatible with local comprehensive land use plans.
- Even if the Department issues a permit to me, I may have to stop using water to allow senior water right holders to get water they are entitled to, and

I swear that all information provided in this application is true and correct to the best of my knowledge:


Signature of Applicant 9/17/02 Date

Signature of Co-applicant Date

Before you submit your application be sure you have:

- Answered each question completely.
- Attached a legible map which includes township, range, section, quarter/quarter and tax lot number.
- Included a Land Use Information Form or receipt stub signed by a local official.
- Included the legal description of all the property involved with this application. You may supply a copy of the deed, land sales contract, or title insurance policy, to meet this requirement.
- Included a check payable to the Oregon Water Resources Department for the appropriate amount.



Oregon Water Resources Department

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WATER RESOURCES DEPT. SALEM, OREGON

FORM M

FOR MUNICIPAL AND QUASI MUNICIPAL WATER SUPPLIES

Unless otherwise noted, water use information should be in acre-feet per year (AFY). 1 acre-foot is equal to 325,851 gallons.

Background Information

Name of water supplier: Rainbow Water District

Name and size of area to be served: Rainbow Water District (in square miles)

Present population of service area: 16,200 (Contact county planning staff, if needed.)

Projected population in 20 years: 22,000 Based on Water System Master Plan, 1999 (Cite source and year. For example: "20,595 Based upon 1995 Portland State University projections.")

List present water rights and permits held:

Table with 4 columns: Date of Issuance, Natural Source of Water, Amount Permitted, Utilization. Rows include permits for Ground Water with amounts like 5.0 CFS and 1.56 CFS.

Water Use

Average yearly demand: 5,576 AFY Year: 1998-2001

Per-capita daily consumption (in gallons): 307 (Divide average annual water sales by population to arrive at consumption, then divide by 365 to get daily values.)

Peak season (by month/day): 6/15 to 8/15 Total peak season demand: 1,678 Acre-feet

Peak season per-capita daily consumption: 553 (Divide total peak season demand by population and the number of days during the peak.)

Annual amount of water produced: 5,576 AF (diverted or pumped)

delivered: 4,569 AF

Is your system fully metered? [X] Yes [] No

Describe your rate structure: Increasing Block Rate (e.g. flat rate, increasing or decreasing block rate or combination of different systems)

app# G-15840

Request for Water

A. Discuss the reason(s) for your request for additional water

(e.g. loss of current supply, peak demand, growth, or other): Reason for request for additional water - The two wells (I-5 #1 and #2) were drilled in 1974 and 1975, respectively, to meet population growth in the Springfield area. Since then, the population of the area has more than doubled and the water from these wells has been a key factor in providing adequate water supply to the area.

B. How long is the amount of water requested in this application expected to meet future needs?

(e.g. until the year 2040) 2005

C. Briefly discuss operation of water system and the most constraining component of the system:

The Rainbow Water district serves domestic water supply from three wellfields which it owns and one wellfield which ownership is shared with the Springfield Utility Board. Transmission and storage capacities are adequate for fifteen years, however, water source capacity is adequate for the short term.

D. Percentage of water use by type:

Residential: 40%	Commercial: _____
Public Authority: -	Agricultural: _____
Unaccounted for use: 18%	Industrial: _____
Other (specify use): 60%, Wholesale to Springfield Utility Board	

E. List cost to implement proposed request.

Compare cost and benefits with other water supply, or combination of supply options. This should include water efficiency measures such as replacing current showerheads with low-flow types. (Attach documentation, as available.)

The Rainbow Water District invested approximately \$450,000 to install and connect these wells to the water system. At the time of their construction there were no competing land uses and their installation within another utility's public utility easement minimized impacts on other lands.

F. How and by how much will your proposed water use efficiency programs increase efficiency?

(Express as a percentage of per-capita consumption.)

In May, 1996, Rainbow Water District adopted an increasing block rate structure where the cost of water doubles above 2,500 cubic feet/month and then triples above 5,000 cubic feet/month. This action has made many customers much more aware of their water consumption and has been an example that has been followed by other area water utilities.

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the

NC RECEIVED
WATER WELL REPORT

1561

STATE OF OREGON JUL 5 1974 State Well No. _____

(Please type or print) STATE ENGINEER SALEM, OREGON State Permit No. **302652**

STATE ENGINEER, SALEM, OREGON 97310
within 30 days from the date of well completion.

(1) OWNER:

Name Rainbow Water Dist I-5 Ficus Ave S #1
Address _____

(2) TYPE OF WORK (check):

New Well Deepening Reconditioning Abandon

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary Driven
Cable Jetted
Dug Bored

(4) PROPOSED USE (check):

Domestic Industrial Municipal
Irrigation Test Well Other

CASING INSTALLED:

Threaded Welded
20" Diam. from GL ft. to 30 ft. Gage 250
14" Diam. from GL ft. to 120 ft. Gage 250
14" Diam. from 260 ft. to 280 ft. Gage 250
14" 340 360 250

PERFORATIONS:

Perforated? Yes No.

Type of perforator used

Size of perforations in. by _____ in.
perforations from _____ ft. to _____ ft.
perforations from _____ ft. to _____ ft.
perforations from _____ ft. to _____ ft.

(7) SCREENS:

Well screen installed? Yes No

Manufacturer's Name Johnson
Type Irrigation Model No. _____
Diam. 14 Slot size 100 Set from 130 ft. to 260 ft.
Diam. 14 Slot size 100 Set from 280 ft. to 340 ft.

(8) WELL TESTS:

Drawdown is amount water level is lowered below static level

Was a pump test made? Yes No If yes, by whom?
Yield: 1560 gal./min. with 89 ft. drawdown after 1 hrs.
1560 " 94 " 8 "
1560 " 99 " 24 "

Boiler test gal./min. with _____ ft. drawdown after _____ hrs.
Artesian flow g.p.m. _____

Temperature of water _____ Depth artesian flow encountered _____ ft.

(9) CONSTRUCTION:

Well seal—Material used Cement
Well sealed from land surface to 30 ft.
Diameter of well bore to bottom of seal 24 in.
Diameter of well bore below seal 24 in.
Number of sacks of cement used in well seal 41 sacks
Number of sacks of bentonite used in well seal _____ sacks
Brand name of bentonite _____
Number of pounds of bentonite per 100 gallons of water _____ lbs./100 gals.
Was a drive shoe used? Yes No Plugs _____ Size: location _____ ft.
Did any strata contain unusable water? Yes No
Type of water? _____ depth of strata _____
Method of sealing strata off _____
Was well gravel packed? Yes No Size of gravel: 3/8
Gravel placed from GL ft. to 360 ft.

(10) LOCATION OF WELL:

County Lane Driller's well number _____
NW 1/4 SW 1/4 Section 10 T. 17S R. 3W W.M. _____
Bearing and distance from section or subdivision corner _____

(11) WATER LEVEL: Completed well.

Depth at which water was first found 40 ft.
Static level 21 ft. below land surface. Date 4-25-74
Artesian pressure _____ lbs. per square inch. Date _____

(12) WELL LOG:

Diameter of well below casing _____

Depth drilled 360 ft. Depth of completed well 360 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
top soil & gravel	0	14	
cemented gravel	14	30	
lose sand & gravel (large)	30	40	
brown cemented sand & gravel			
med. seams of water	40	50	
lose sand & gravel (med)	50	55	
brown cemented sand clay & gravel (med to large) seams	55	95	
cemented clay sand & small gravel	95	100	
brown sandy clay	100	110	
lose cemented sand clay & gravel	110	120	
brown cemented sand gravel & clay seams of soft sand & clay	120	275	
blue sandy clay	275	285	
blue sand & gravel (small)	285	310	
blue sandy clay	310	320	
blue rock	320	360	

Work started 2-10 1974 Completed 4-26 1974
Date well drilling machine moved off of well 4-30 1974

Drilling Machine Operator's Certification:

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

[Signed] Frank Wilson Date 4/30, 1974
(Drilling Machine Operator)

Drilling Machine Operator's License No. 404

Water Well Contractor's Certification:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

Name W. W. Drilling & Pump Service
(Person, firm or corporation) (Type or print)

Address 2320 Main Street, Spfd., Oregon

[Signed] Frank Wilson
(Water Well Contractor)

Contractor's License No. 562 Date 5/10, 1974

WATER WELL REPORT

of this report are to be filed with the STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

STATE OF OREGON

(Please type or print)

(Do not write above this line)

State Well No. 112

State Permit No.

(1) OWNER:

Name Rainbow Water Dist, I-5 #2
Address P.O. Box 8
Spfd, Oregon 97477

(2) TYPE OF WORK (check):

New Well [X] Deepening [] Reconditioning [] Abandon []

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary [] Driven []
Cable [] Jetted []
Dug [] Bored []

(4) PROPOSED USE (check):

Domestic [] Industrial [] Municipal [X]
Irrigation [] Test Well [] Other []

(5) CASING INSTALLED:

20" Diam. from +1 ft. to 34 ft. Gage 250
14" Diam. from +4 ft. to 120 ft. Gage 250
14" Diam. from 200 ft. to 220 ft. Gage 250

(6) PERFORATIONS:

Perforated? [] Yes [X] No.

Type of perforator used

Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:

Well screen installed? [X] Yes [] No

Manufacturer's Name Johnson
Type Irrigator Model No.
Diam. 14 Slot size 100 Set from 120 ft. to 200 ft.
Diam. 14 Slot size 100 Set from 220 ft. to 240 ft.

(8) WELL TESTS:

Drawdown is amount water level is lowered below static level

Was a pump test made? [X] Yes [] No If yes, by whom?
Yield 2000 gal./min. with 60 ft. drawdown after 24 hrs.
" 1500 " 50 " 1 "
" " " "
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water Depth artesian flow encountered ft.

(9) CONSTRUCTION:

Well seal—Material used Cement
Well sealed from land surface to 34 ft.
Diameter of well bore to bottom of seal 24 in.
Diameter of well bore below seal 24 in.
Number of sacks of cement used in well seal 40 sacks
Number of sacks of bentonite used in well seal 0 sacks
Brand name of bentonite
Number of pounds of bentonite per 100 gallons of water lbs./100 gals.
Was a drive shoe used? [] Yes [X] No Plugs Size: location ft.
Did any strata contain unusable water? [] Yes [X] No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? [X] Yes [] No Size of gravel 3/8 Round
Gravel placed from +1 ft. to 280 ft.

(10) LOCATION OF WELL:

County Lane Driller's well number
NS 1/4 SW 1/4 Section 10 T.17S R.3W W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.

Depth at which water was first found 21 ft.
Static level 20 ft. below land surface. Date
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing
Depth drilled 380 ft. Depth of completed well 380 ft.
Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

Table with columns: MATERIAL, From, To, SWL. Rows include: Loam (0-5), Boulders sandy clay (5-18), Sand gravel (18-25), Clay gravel boulders (25-120), Sand gravel (120-200), Clay & gravel with water streaks (200-330), Sand pea gravel with wood (330-380).

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SALEM, OREGON

Work started 11/1 1974 Completed 11/21 1975
Date well drilling machine moved off of well 11/29 1976

Drilling Machine Operator's Certification:

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

[Signed] [Signature] Date 11/29, 1976
(Drilling Machine Operator)

Drilling Machine Operator's License No. 776

Water Well Contractor's Certification:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

Name W.W. Drilling & Pump Service
Address 2320 Main Street, Spfd, Oregon 97477
[Signed] Frank Wilson
Contractor's License No. 562 Date 11.00, 1975

Receipt for Request for Land Use Information

Name of water right applicant: Rainbow Water Dist.

This receipt must be signed by a local government representative and returned to the applicant at the time they present this form. This receipt must be included in the application for a water right permit if the local government cannot provide the requested land use information while the applicant waits.

City or County: Lane Co.

Staff contact: Sherill Helfrich Phone: 682-3607

Signature: S. Helfrich Date: 09/17/02

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WATER RESOURCES DEPT.
SALEM, OREGON

EASEMENT

KNOW ALL MEN BY THESE PRESENTS, That STATE OF OREGON, by and through its DEPARTMENT OF TRANSPORTATION, Highway Division, hereinafter called "Grantor", pursuant to that Agreement dated August 3, 1973, entered into by the parties hereto and others, does hereby grant unto RAINBOW WATER DISTRICT, a public corporation, its successors and assigns, hereinafter called "Grantee", a permanent easement and right of way over, across and under the following described real property, to wit:

A parcel of land lying in the Elijah W. Rhea D.L.C. No. 44, Township 17 South, Range 3 West, W.M., Lane County, Oregon and being a portion of that property designated as Parcel 3 and described in that deed to the State of Oregon, by and through its State Highway Commission, recorded on Reel 96-57D, Instrument No. 8513 of Lane County Official Records; the said parcel being that portion of said property lying Easterly of that property described in that easement to Rainbow Water District, recorded on Reel 666R, Instrument No. 7353016 of Lane County Official Records; Westerly of that property described in that Deed of Dedication to the public, recorded on Reel 667R, Instrument No. 7354193 of Lane County Official Records and lying between lines parallel with and 218 feet and 226 feet North of the South line of said State of Oregon property.

The parcel of land to which this description applies contains 0.10 acre, more or less.

The easement herein granted is for the purpose of allowing Grantee to install and maintain water pipelines and appurtenant facilities over, across and under the above described property, and shall include rights of ingress and egress over Grantor's adjacent land as may be required for the exercise of the rights herein granted.

It is understood that after the installation of said water pipelines or subsequent maintenance thereof Grantee will restore the surface of the property to a condition satisfactory to Grantor and that Grantor, its successors and assigns, shall have the right to reasonably use and enjoy the above described property for all purposes which do not interfere or are not inconsistent with the use by Grantee for the purpose above granted. It is further understood that Grantor's property shall not be assessed for any portion of the cost of the installation of said Grantor's water pipelines.

Dated this 14th day of January, 1974.

APPROVED AS TO FORM:

Holt Barrie
Counsel

STATE OF OREGON, by and through its
DEPARTMENT OF TRANSPORTATION,
Highway Division

By F. B. Klaboe
F. B. Klaboe, Administrator and State
Highway Engineer

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WATER RESOURCES DEPT.
SALEM, OREGON

app # G-15840

9 10
16 15

EXIST. 80' PPEL EASEMENT

TL 2500 17-03-10
ASLAUG KNOX, 2131 M-MILLEN STREET, EUGENE, OR. 97405

300'

EXIST. WELL #1

TL 800 17-03-15
OREGON STATE HIGHWAY COMMISSION

EXIST. CONTROL BLDG.

EXIST. WELL #2

OREGON STATE HWY. DEPT.
INTERSTATE I-5

MJ CAST IRON PIPE

TL 1000 17-03-15
OREGON STATE HWY. COMMISSION

EXIST 24"

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SALEM, OREGON

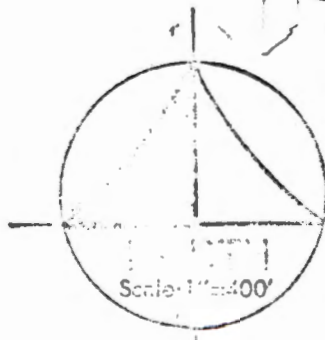
SLOUGH

LOCATION PROPOSED
WELL #3 - I-5 WELL FIELD

1/4 COR

CTR. 15

UNIMPROVED
DEDICATED PUBLIC
ROAD (R667, #7354193)



APP# G-15840
Permit#

WELL LOCATION MAP
RAINBOW WATER DISTRICT
NW 1/4, SEC 15, T17S, R3WWM

PLANTS & ASSOCIATES
PROFESSIONAL ENGINEERS
& LAND SURVEYORS

54 CENTENNIAL LOOP
EUGENE, OREGON 97401

**STATE OF OREGON
WATER RESOURCES DEPARTMENT**

725 Summer St. N.E. Ste. A
SALEM, OR 97301-4172

(503) 986-0900 / (503) 986-0904 (fax)

RECEIPT # **92306**

INVOICE # _____

RECEIVED FROM: Springfield Utility Board
BY: _____

APPLICATION	<u>19-15840</u>
PERMIT	
TRANSFER	

CASH: CHECK:# 167129 OTHER: (IDENTIFY) _____

TOTAL REC'D \$ 100.00

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 PLA 47235

0407 COPY & TAPE FEES \$ _____
0410 RESEARCH FEES \$ _____
0408 MISC REVENUE: (IDENTIFY) Request Standing \$ 100.00
TC162 DEPOSIT LIAB. (IDENTIFY) \$ _____
0240 EXTENSION OF TIME \$ _____

WATER RIGHTS:

EXAM FEE		RECORD FEE
\$	0202	\$
\$	0204	\$
\$		

WELL CONSTRUCTION

EXAM FEE		LICENSE FEE
\$	0219	\$
	0220	\$

0201 SURFACE WATER
0203 GROUND WATER
0205 TRANSFER
0218 WELL DRILL CONSTRUCTOR
LANDOWNER'S PERMIT
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 (FW/WRD) \$ _____
0231 HYDRO LICENSE FEE (FW/WRD) \$ _____
HYDRO APPLICATION \$ _____

TREASURY OTHER / RDX

FUND _____ TITLE _____
OBJ. CODE _____ VENDOR # _____
DESCRIPTION \$ _____

RECEIPT: **92306**

DATED: 4/30/08

BY: [Signature]

**STATE OF OREGON
WATER RESOURCES DEPARTMENT**

725 Summer St. N.E. Ste. A

SALEM, OR 97301-4172

(503) 986-0900 / (503) 986-0904 (fax)

RECEIPT # **96110**

INVOICE # _____

RECEIVED FROM: Rainbow Water District

APPLICATION	6-15840
PERMIT	
TRANSFER	

BY: _____

CASH: CHECK:# 22977 OTHER: (IDENTIFY)

TOTAL REC'D \$ 300.00

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 \$ _____ *46111*
 0410 RESEARCH FEES \$ _____
 0408 MISC REVENUE: (IDENTIFY) \$ _____
 TC162 DEPOSIT LIAB. (IDENTIFY) \$ _____
 0240 EXTENSION OF TIME \$ _____

WATER RIGHTS:

0201 SURFACE WATER	EXAM FEE	0202	RECORD FEE
0203 GROUND WATER	\$	0204	\$ <u>300.00</u>
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 (FW/WRD) \$ _____
 0231 HYDRO LICENSE FEE (FW/WRD) \$ _____
 HYDRO APPLICATION \$ _____

TREASURY OTHER / RDX

FUND _____ TITLE _____
 OBJ. CODE _____ VENDOR # _____
 DESCRIPTION _____ \$ _____

RECEIPT: **96110** DATED: 4/10/09 BY: L. Bell

**STATE OF OREGON
WATER RESOURCES DEPARTMENT**

RECEIPT # **55626**

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

INVOICE # _____

RECEIVED FROM: Rainbow Water Dist
BY: _____

APPLICATION	
PERMIT	
TRANSFER	

CASH: CHECK: # 24-201 OTHER: (IDENTIFY)

TOTAL REC'D \$ 850.00

0417 WRD MISC CASH ACCT

ADJUDICATIONS	\$
PUBLICATIONS / MAPS	\$
OTHER: (IDENTIFY) _____	\$
OTHER: (IDENTIFY) _____	\$

REDUCTION OF EXPENSE

CASH ACCT.	\$
PCOA AND OBJECT CLASS _____	
VOUCHER # _____	

0427 WRD OPERATING ACCT

MISCELLANEOUS		
0407 COPY & TAPE FEES	\$	
0410 RESEARCH FEES	\$	
0408 MISC REVENUE: (IDENTIFY) _____	\$	
TC162 DEPOSIT LIAB. (IDENTIFY) _____	\$	

WATER RIGHTS:

0201 SURFACE WATER	\$ <u>850.00</u>	0202
0203 GROUND WATER	\$	0204
0205 TRANSFER	\$	0206

WELL CONSTRUCTION

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

OTHER (IDENTIFY) _____

RECORD FEE
\$
\$
\$
LICENSE FEE
\$
\$

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

0233 POWER LICENSE FEE (FW/WRD)	LIC NUMBER	\$
0231 HYDRO LICENSE FEE (FW/WRD)		\$
HRDRO APPLICATION _____		\$

RECEIPT # **55626**

DATE: 9/19/02 BY: K. Hall

VENDOR: OREGON WAT
REMIT TO: OREGON WATER RESOURCES

CHECK: 0000167429
COMMENT:

DATE: 4/29/2008

INVOICE	DATE	VOUCHER	DESCRIPTION	AMOUNT	DISCOUNT	NET AMOUNT
APP. G-15840	4/29/2008	0000057592	PRMT/STAND'G APP. G-15840	100.00	0.00	100.00

RECEIVED
APR 30 2008
WATER RESOURCES DEPT
SALEM, OREGON

Address Labels



FILE#: G 15840
RAINBOW WATER DISTRICT; HANLEY, J
TIMOTHY
PO BOX 8
SPRINGFIELD, OR 97477

FILE#: G 15840
RAINBOW WATER DISTRICT; HANLEY, J
TIMOTHY
PO BOX 8
SPRINGFIELD, OR 97477

FILE#: G 15840
RAINBOW WATER DISTRICT; HANLEY, J
TIMOTHY
PO BOX 8
SPRINGFIELD, OR 97477



Eugene Water & Electric Board

500 East 4th Avenue / Post Office Box 10148
Eugene, Oregon 97440-2148
541-484-2411 Fax 541-484-3762

August 9, 2004

Cory C. Engel
Oregon Water Resources Department
North Mall Office Building
725 Summer St. NE, Suite A
Salem, OR 97301-1271

RE: Applications G-15857, G-15840, G-15241, G-15242, G-15243, G-15244, and S-85366
Copy Requests

Dear Cory,

Please find enclosed a check in the amount of \$68.00. This check will pay for the \$8.00 outstanding balance for previous copying from the file of application G-15857 and the \$10.00 for each application to obtain copies of any Proposed Final Orders for applications G-15840 (Rainbow Water District), G-15241 through G-15244 (Springfield Utility Board) and S-85366 (Springfield Utility Board).

Thank you for your assistance.

Sincerely,

Jay Bozievich, P.E.
Sr. Engineer

RECEIVED

AUG 13 2004

WATER RESOURCES DEPT
SALEM, OREGON

**STATE OF OREGON
WATER RESOURCES DEPARTMENT**

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

RECEIPT # **69329**

INVOICE # _____

RECEIVED FROM: EWEB

APPLICATION	<u>see below</u>
PERMIT	
TRANSFER	

BY: _____

CASH: CHECK:# 35609 OTHER: (IDENTIFY)

TOTAL REC'D \$ 68.00

1083 TREASURY 4170 WRD MISC CASH ACCT

0407 COPIES	\$
OTHER: (IDENTIFY)	\$

0243 VS Lease _____ 0244 Muni Water Mgmt. Plan _____ 0245 Cons. Water _____

4270 WRD OPERATING ACCT

MISCELLANEOUS

0407 COPY & TAPE FEES	<u>PCA46111</u>	\$ <u>8.00</u>
0410 RESEARCH FEES		\$
0408 MISC REVENUE: (IDENTIFY)	<u>PFO Copies X 6</u>	\$ <u>60.00</u>
TC162 DEPOSIT LIAB. (IDENTIFY)		\$
0240 EXTENSION OF TIME		\$
	<u>\$ 85364</u>	
	<u>G 15840</u>	
0201 SURFACE WATER	<u>G 15241</u>	EXAM FEE
0203 GROUND WATER	<u>G 15242</u>	\$
0205 TRANSFER	<u>G 15243</u>	\$
	<u>G 15244</u>	EXAM FEE
0218 WELL DRILL CONSTRUCTOR		\$
LANDOWNER'S PERMIT		\$
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 (FW/WRD)	\$
0231 HYDRO LICENSE FEE (FW/WRD)	\$
HYDRO APPLICATION	\$

TREASURY OTHER / RDX

FUND _____	TITLE _____
OBJ. CODE _____	VENDOR # _____
DESCRIPTION _____	\$ _____

RECEIPT: **69329**

DATED: 8/13/04 BY: _____



Eugene Water & Electric Board

500 East 4th Avenue / Post Office Box 10148
Eugene, Oregon 97440-2148
541-484-2411 Fax 541-484-3762

August 9, 2004

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RECEIVED

AUG 13 2004

WATER RESOURCES DEPT
SALEM, OREGON

STATE OF OREGON
WATER RESOURCES DEPARTMENT

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

RECEIPT # **69329**

INVOICE # _____

RECEIVED FROM: EWEB APPLICATION see below
 BY: _____ PERMIT _____
 TRANSFER _____
 CASH: CHECK:# 35609 OTHER: (IDENTIFY) _____
 TOTAL REC'D \$ 68.00

1083 TREASURY 4170 WRD MISC CASH ACCT

0407 COPIES \$ _____
 OTHER: (IDENTIFY) \$ _____
 0243 VS Lease _____ 0244 Muni Water Mgmt. Plan _____ 0245 Cons. Water _____

4270 WRD OPERATING ACCT

MISCELLANEOUS

0407	COPY & TAPE FEES		PCA46111	\$ 8.00	
0410	RESEARCH FEES			\$	
0408	MISC REVENUE: (IDENTIFY)		PFO Copies X 6	\$ 60.00	
TC162	DEPOSIT LIAB. (IDENTIFY)			\$	
0240	EXTENSION OF TIME			\$	
	WATER RIGHTS:				
		\$ 85366			
		G 15840	EXAM FEE	RECORD FEE	
0201	SURFACE WATER	G 15241	\$	0202	\$
0203	GROUND WATER	G 15242	\$	0204	\$
0205	TRANSFER	G 15243	\$		
	WELL CONSTRUCTION	G 15244	EXAM FEE	LICENSE FEE	
0218	WELL DRILL CONSTRUCTOR		\$	0219	\$
	LANDOWNER'S PERMIT			0220	\$
	OTHER (IDENTIFY)				

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 HYDRO APPLICATION \$ _____

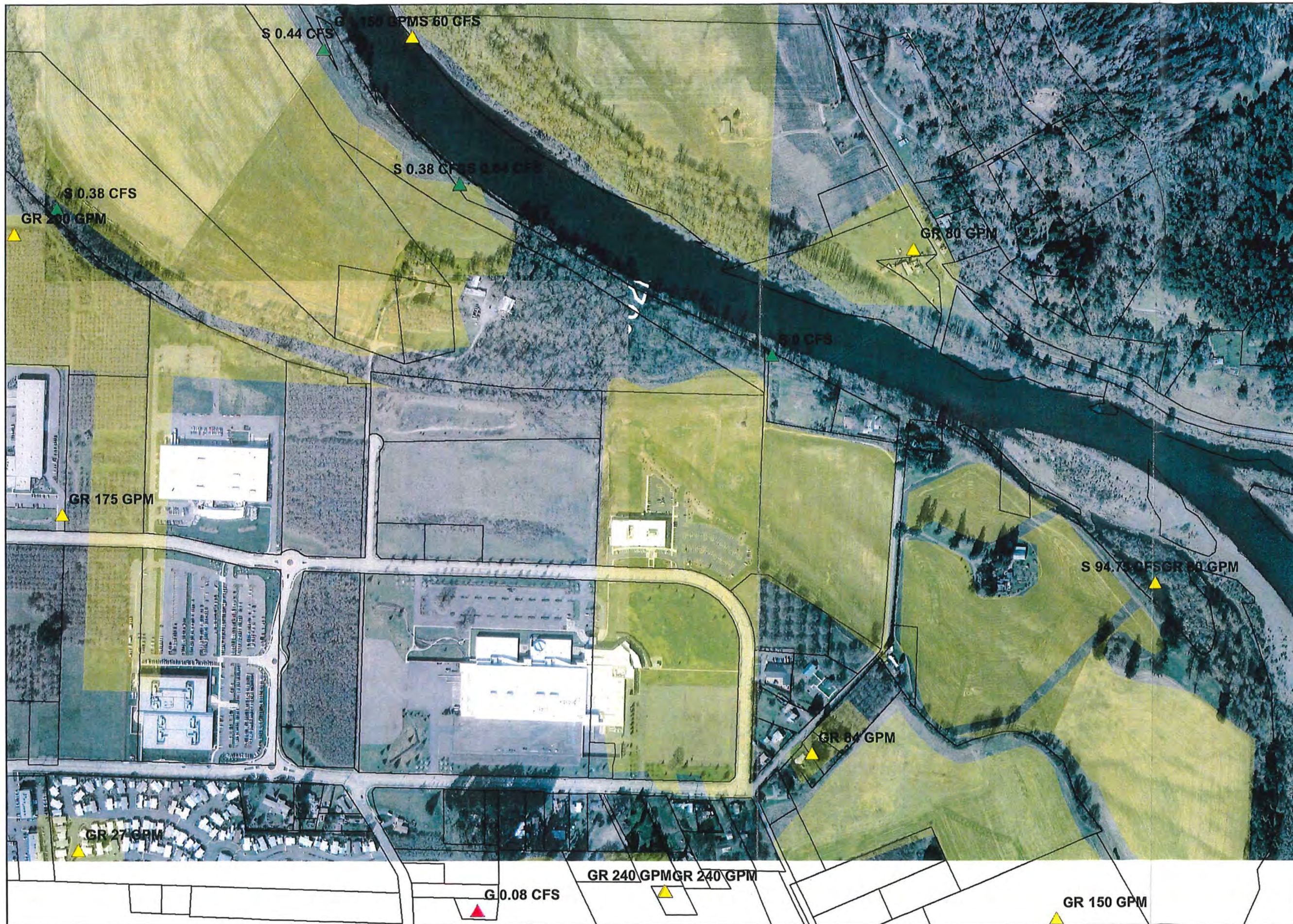
TREASURY OTHER / RDX

FUND _____ TITLE _____
 OBJ. CODE _____ VENDOR # _____
 DESCRIPTION _____ \$ _____

RECEIPT: **69329**

DATED: 8/13/04 BY: _____

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



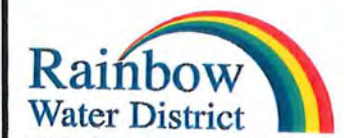
Application G-15840
Inventory of Potential Senior Water Rights

- Legend**
- EWEB Wells
 - SUB Wells
 - MK_Will_SWGW_pod_nad83**
 - Source Type**
 - ▲ Ground Water
 - ▲ GW Registration
 - ▲ Surface Water
 - MK_Will_SWGW_pou_nad83
 - Taxlots
 - UGB
 - CityLimits

RECEIVED
 JUL 24 2006
 WATER RESOURCES DEPT
 SALEM, OREGON

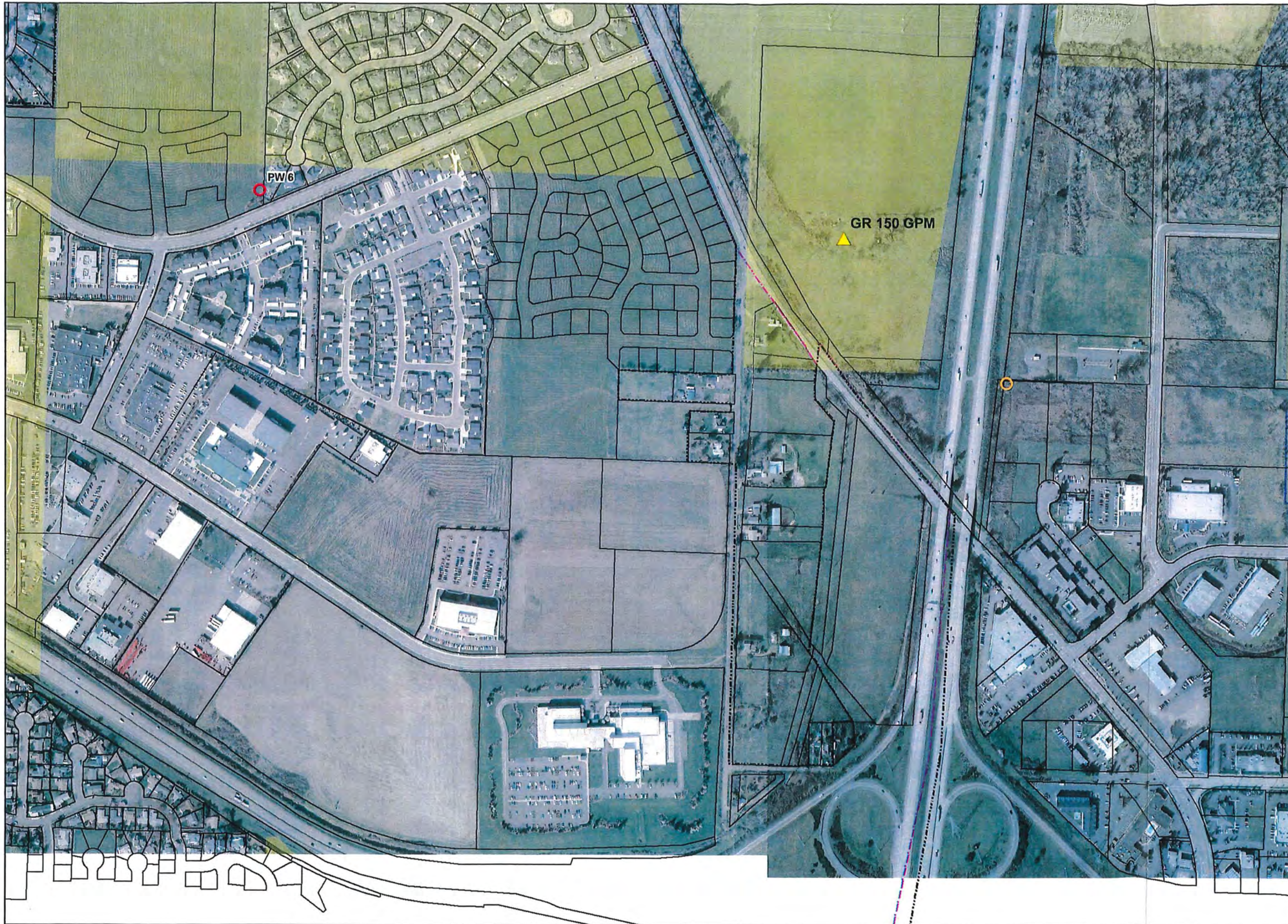
Sheet 1	Sheet 2	Sheet 3	
Sheet 4	Sheet 5	Sheet 6	Sheet 7
Sheet 8	Sheet 9	Sheet 10	Sheet 11
Sheet 12	Sheet 13	Sheet 14	Sheet 15

Sheet Index



1 inch equals 426 feet
 0 85 170 340 510 680 Feet

Produced by EWEB - November 2005
 Revised: April 2006
 From: 22546-NonEwebWaterUsers-NearConfluence-Phase2.mdb



Application G-15840

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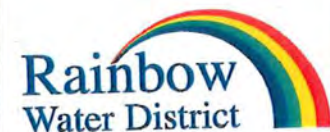
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JUL 24 2006

WATER RESOURCES DEPT
SALEM, OREGON

Sheet 1	Sheet 2	Sheet 3	
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RECEIVED
JUL 24 2006
 WATER RESOURCES DEPT
 SALEM, OREGON

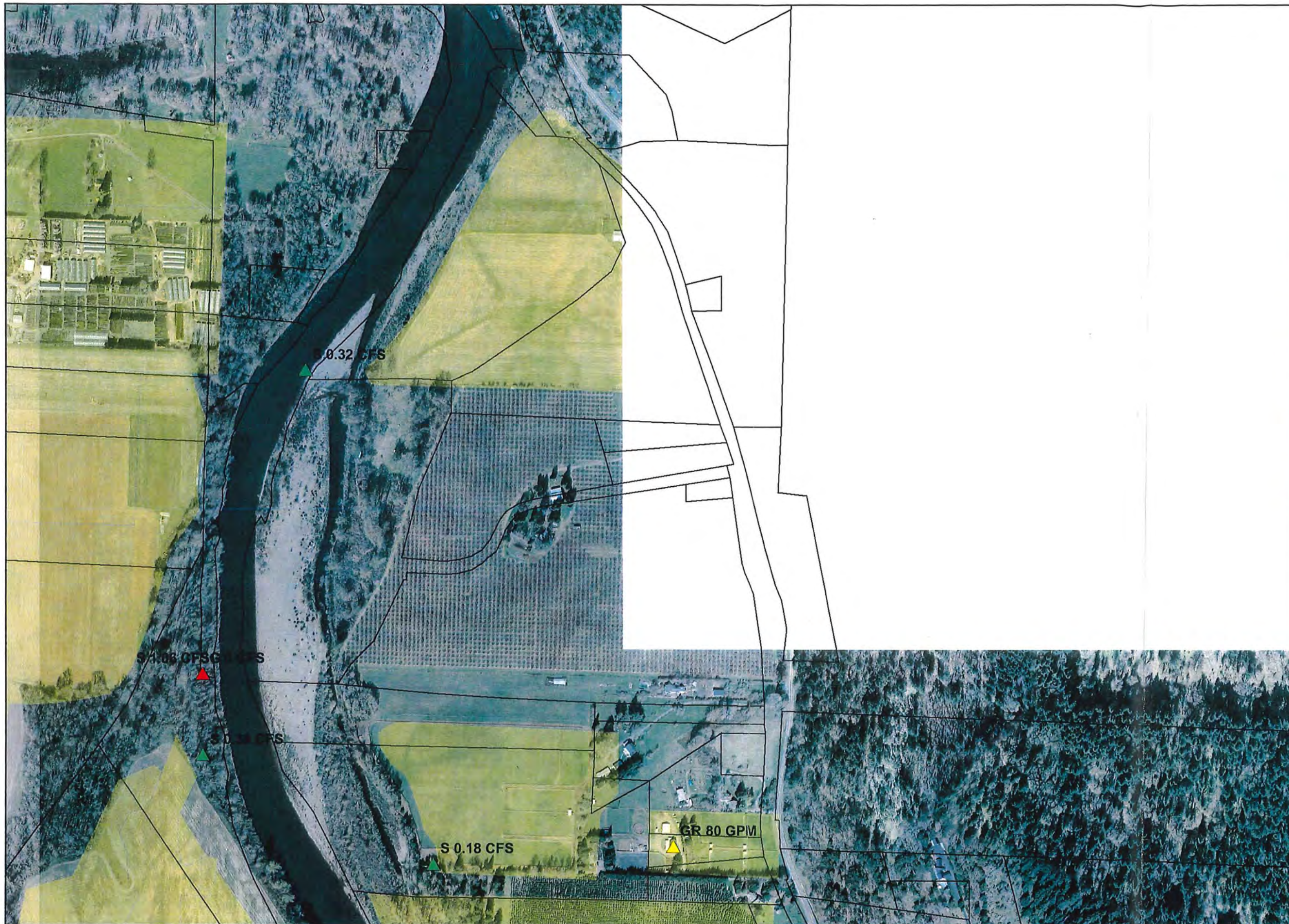
Sheet Index

Sheet 1	Sheet 2	Sheet 3	
Sheet 4	Sheet 5	Sheet 6	Sheet 7
Sheet 8	Sheet 9	Sheet 10	Sheet 11
Sheet 12	Sheet 13	Sheet 14	Sheet 15



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Produced by EWEB - November 2005
 Revised: April 2006
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Application G-15840
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RECEIVED
 JUL 24 2006
 WATER RESOURCES DEPT
 SALEM, OREGON

Sheet Index

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Sheet 4	Sheet 5	Sheet 6	Sheet 7
Sheet 8	Sheet 9	Sheet 10	Sheet 11
Sheet 12	Sheet 13	Sheet 14	Sheet 15

Rainbow Water District

N
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EWEB

1 inch equals 426 feet
 0 85 170 340 510 680 Feet

Produced by EWEB - November 2005
 Revised: April 2006
 From: 22546-NonEwebWaterUsers-NearConfluence-Phase2.mdb

Sheet 11 of 15



Application G-15840
Inventory of Potential Senior Water Rights

Legend

- EWEB Wells
- I-5 Wells
- Source Type**
- Ground Water
- GW Registration
- Surface Water
- MK_Will_SWGW_pou_nad83
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JUL 24 2006

WATER RESOURCES DEPT
 SALEM, OREGON

Sheet 1	Sheet 2	Sheet 3	
Sheet 4	Sheet 5	Sheet 6	Sheet 7
Sheet 8	Sheet 9	Sheet 10	Sheet 11
Sheet 12	Sheet 13	Sheet 14	Sheet 15

Sheet Index



1 inch equals 426 feet
 0 85 170 340 510 680 Feet

Produced by EWEB - November 2005
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Sheet 10 of 15



Application G-15840
Inventory of Potential Senior Water Rights

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 - ▲ Ground Water
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RECEIVED
JUL 24 2006
WATER RESOURCES DEPT
 SALEM, OREGON

Sheet 1	Sheet 2	Sheet 3	
Sheet 4	Sheet 5	Sheet 6	Sheet 7
Sheet 8	Sheet 9	Sheet 10	Sheet 11
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
1 inch equals 426 feet
 0 80 160 320 480 640 Feet

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Application G-15840

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-  Surface Water
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JUL 24 2006

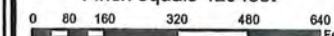
WATER RESOURCES DEPT
SALEM, OREGON

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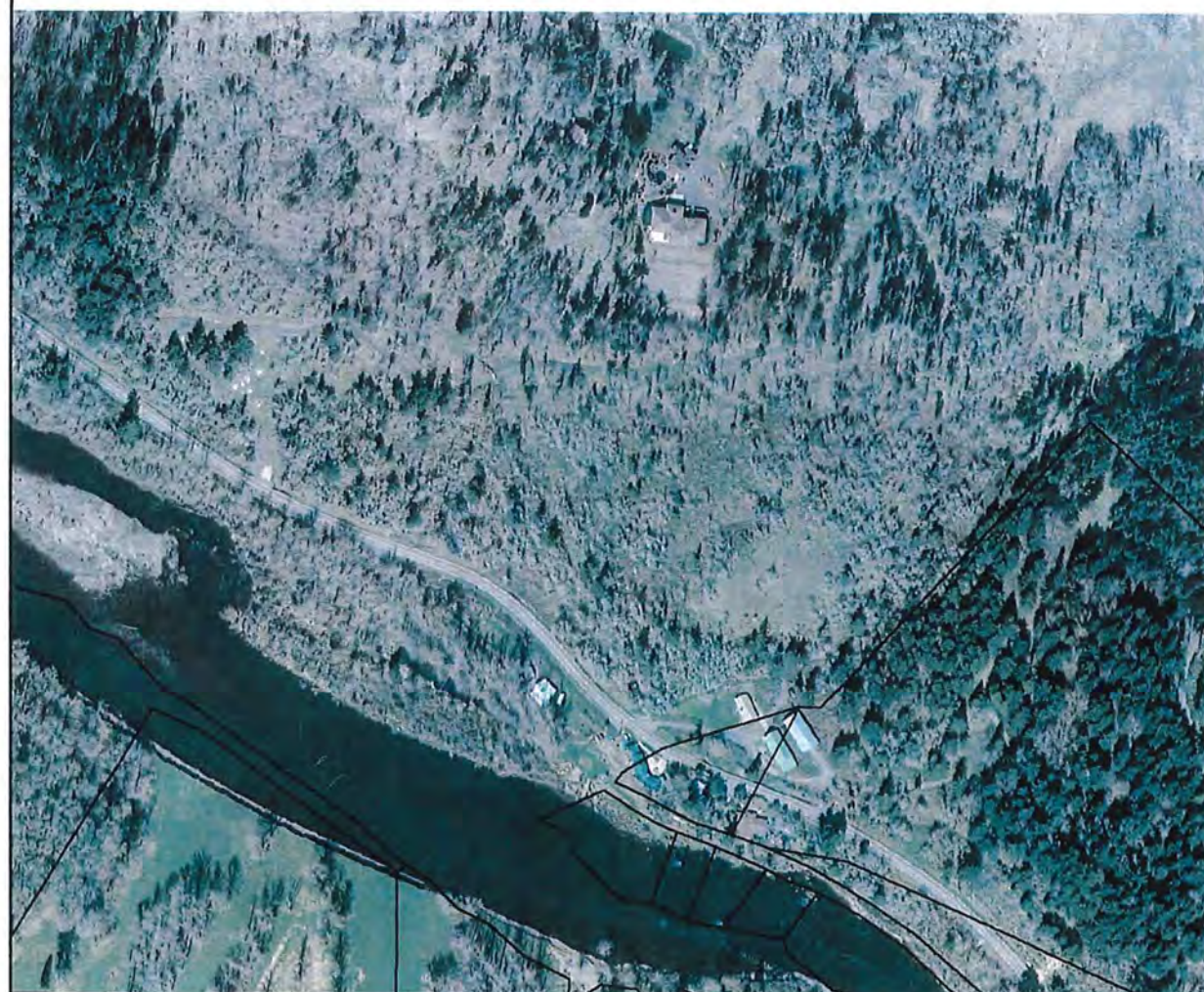
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