ASSIGNED

Name Buell-Red Prairie Domestic Water Association

By

Address 6975 Red Prairie Road

Sheridan, OR 97378

Date filed September 15, 1983

Priority June 8, 1984

Action suspended until C 99

Return to applicant

Date of approval FEB 4 1991

Application No. 66101

Permit No. 51165

Certificate No. 87392

Stream Index, Page No. 2-90C3

FEES PAID

Date	Amount	Receipt No.
9/15/83	65 —	38400
extension 10/6/93	700.00	105511
3/26/08	350.00	91880
	Cert. Fee	

FEES REFUNDED Receipt

Date	Amount	~~Check No.~~
4/21/09	350.00	91880

ASSIGNMENTS

Date	To Whom	Address	Volume	Page
TO BE ASSIGNED? SEE SPECIAL CONDITIONS!				
2-10-94	Buell Red Prairie Water Dist — Ph. 843-2675	6430 Red Prairie Rd, Sheridan, OR 97378	7	2567

CONSTRUCTION

Date for beginning FEB 4 1992

Date for completion OCT 1 1992

Extended to 10-1-99

Date for application of water OCT 1 1993

Extended to 10-1-99

REMARKS

G.W. to approve plans prior to permit

Appl has submitted material to V Miller (GW).

CARD FOR B OCT 16 1992

T-11390 V. 88 pg. 521

PROSECUTION OF WORK

Form "A" filed started

Form "B" filed 7/1/98

Form "C" filed 7/1/98

FINAL PROOF

...k mailed

...received COBU 3/30/2009 postcard sent

...ificate issued JAN 27 2012

COBU MAP #0416

SP*70900-119

Bill Bougeress
843 2808

Employee
Mark Lyon
843 2675
Jim Schuette

Bell - R.P.

Permit 51165 ✓

✓ Appl. 66101

Hermiston

X Appl G-11981 — Reports

Permit G-10974 ✓

County Line

Appl 48966 G-8649

Permit 41512 G-10836

EF McDOLE
ORDNANCE RECHARGE
BE CORP

Annual Recharge Report to the Oregon Water Resources Department
By: Buell Red Prairie Water District
Recharge Year: 2013-2014
As required by Permit 51165, Certificate 87392, T-11390
(This covers the time period of June 1st through May 31st and is due June 15th each year.)

Discharges during the year:

Total in Gallons	To Recharge Well
Max Rate in gpm	75 gpm (this is our max)
Min Rate in gpm	0 gpm (this is our min)

General Operations review during the water year:
New plant is working good and was able to keep up for most of the year, we did have some well use during power outages, maintenance, planned or otherwise. Well seemed to recover on its own this winter as we did not have to recharge much.

Estimate of Storage account at end of year:

This value is equal to 80% of the recharge over the last 5 years minus the sum of the two well discharges less 5 million gallons of natural water over the last 4 years.

Year	Recharge		Credited recharge		discharge from wells	Credit	Credited Discharge	Residual
2010	5,378,300	x .80	4,302,640		1,684,800	5,000,000	0	4,302,640
2011	-	x .80	-		3,680,300	5,000,000	0	0
2012	-	x.80	-		4,325,651	5,000,000	0	0
2013	1,453,900	x.80	1,163,120		1,789,500	0	0	1,163,120
2014	68,800	x.80	55,040		798,400	0	0	55,040
5 year total			5,520,800				0	5,520,800

Credited recharge minus the difference of discharge minus credit subtracted from credited recharge if you meet the criteria below.
If Discharge is GREATER than 5mill, then subtract 5 mill from discharge then subtract the credited recharge from that (5mill from the discharge number) number will be the residual.
If Discharge is LESS than 5 mill use 0 and use the credited recharge number for residual

Water Levels at Monitoring Wells: to be collected between April 1 and June 1, once per year.

Upper and **Lower** are set by permit. The **level** is where we are at between April and June, give date. **Upper, Lower** and **Both**, just put a check mark if we are in that level with our level.

Well	Upper Target	Lower Target	Level & Date	Above Upper	Below Lower	Between Both
POLK 1536 Well #1	55	125	23ft, May 30, 2014 ✓	X		
Well #2	N/A					
POLK 1537 Recharge	15	50	10ft, June 4, 2014 ✓	X		

Allowable Use of Stored Water (See Certificate Condition 7 for Explanation)

Number of Key Wells above upper Target Water Levels: __2___ (if 2, use falls in Green Zone)

Number of Key Wells below lower Target Water Levels: __0__ (if 2, use falls in Red Zone)

(If neither Green not Red Zone water levels prevail, default to Yellow Zone)

The allowable use of stored water is in the __Green_____ Zone for the next water year.

Other Data Pertinent to the Storage Account (if any)

List and Dates of Water Quality Reports Submitted to State Agencies during Recharge Year

WQ testing conducted according to DWP schedules-

Report submitted by:

Corey Lane
Buell Red Prairie Water District



ND = Not Detected at the Minimum Reporting Level

Spreadsheet

Latest Chemical Results - PWS ID: 01174 ---- BUELL-RED PRAIRIE WD

Sample ID	Sample Date	Receive Date	Chemical	Source ID	Results	Current MCL	UOM
20140318011-I	3/17/2014	3/31/2014	NITRATE	EP-B	0.417	10	MG/L
20140318013-I	3/17/2014	3/31/2014	NITRATE	EP-C	ND	10	MG/L
20140203059-D	2/3/2014	3/6/2014	TOTAL HALOACETIC ACIDS (HAA5)	DIST-A	0.013	0.06	MG/L
20140203060-D	2/3/2014	3/6/2014	TTHM	DIST-A	0.017	0.08	MG/L
20140203055-I	2/3/2014	2/13/2014	NITRATE	EP-A	ND	10	MG/L
20140203058-V	2/3/2014	3/6/2014	1,1,1-TRICHLOROETHANE	EP-A	ND	0.2	MG/L
20140203058-V	2/3/2014	3/6/2014	1,1,2-TRICHLOROETHANE	EP-A	ND	0.005	MG/L
20140203058-V	2/3/2014	3/6/2014	1,1-DICHLOROETHYLENE	EP-A	ND	0.007	MG/L
20140203058-V	2/3/2014	3/6/2014	1,2,4-TRICHLOROBENZENE	EP-A	ND	0.07	MG/L
20140203058-V	2/3/2014	3/6/2014	1,2-DICHLOROETHANE	EP-A	ND	0.005	MG/L
20140203058-V	2/3/2014	3/6/2014	1,2-DICHLOROPROPANE	EP-A	ND	0.005	MG/L
20140203058-V	2/3/2014	3/6/2014	BENZENE	EP-A	ND	0.005	MG/L
20140203058-V	2/3/2014	3/6/2014	CARBON TETRACHLORIDE	EP-A	ND	0.005	MG/L
20140203058-V	2/3/2014	3/6/2014	CHLOROBENZENE	EP-A	ND	0.1	MG/L
20140203058-V	2/3/2014	3/6/2014	CIS-1,2-DICHLOROETHYLENE	EP-A	ND	0.07	MG/L
20140203058-V	2/3/2014	3/6/2014	DICHLOROMETHANE	EP-A	ND	0.005	MG/L
20140203058-V	2/3/2014	3/6/2014	ETHYLBENZENE	EP-A	ND	0.7	MG/L
20140203058-V	2/3/2014	3/6/2014	O-DICHLOROBENZENE	EP-A	ND	0.6	MG/L
20140203058-V	2/3/2014	3/6/2014	P-DICHLOROBENZENE	EP-A	ND	0.075	MG/L
20140203058-V	2/3/2014	3/6/2014	STYRENE	EP-A	ND	0.1	MG/L
20140203058-V	2/3/2014	3/6/2014	TETRACHLOROETHYLENE	EP-A	ND	0.005	MG/L
20140203058-V	2/3/2014	3/6/2014	TOLUENE	EP-A	ND	1	MG/L
20140203058-V	2/3/2014	3/6/2014	TRANS-1,2-DICHLOROETHYLENE	EP-A	ND	0.1	MG/L
20140203058-V	2/3/2014	3/6/2014	TRICHLOROETHYLENE	EP-A	ND	0.005	MG/L

20140203058-V	2/3/2014	3/6/2014	VINYL CHLORIDE	EP-A	ND	0.002 MG/L
20140203058-V	2/3/2014	3/6/2014	XYLENES, TOTAL	EP-A	ND	10 MG/L
20131120011-D	11/20/2013	12/19/2013	TOTAL HALOACETIC ACIDS (HAA5)	DIST-A	0.0251	0.06 MG/L
20131120012-D	11/20/2013	12/19/2013	TTHM	DIST-A	0.043	0.08 MG/L
20130806012-D	8/6/2013	8/28/2013	TOTAL HALOACETIC ACIDS (HAA5)	DIST-A	0.0126	0.06 MG/L
20130806013-D	8/6/2013	8/28/2013	TTHM	DIST-A	0.0583	0.08 MG/L
20130806014-D	8/6/2013	8/28/2013	TOTAL HALOACETIC ACIDS (HAA5)	DIST-A	0.0166	0.06 MG/L
20130806015-D	8/6/2013	8/28/2013	TTHM	DIST-A	0.0508	0.08 MG/L
20130806016-S	8/6/2013	9/4/2013	ATRAZINE	EP-A	ND	0.003 MG/L
20130806016-S	8/6/2013	9/4/2013	BENZO(A)PYRENE	EP-A	ND	0.0002 MG/L
20130806016-S	8/6/2013	9/4/2013	DI(2-ETHYLHEXYL) ADIPATE	EP-A	ND	0.4 MG/L
20130806016-S	8/6/2013	9/4/2013	DI(2-ETHYLHEXYL) PHTHALATE	EP-A	ND	0.006 MG/L
20130806016-S	8/6/2013	9/4/2013	HEXACHLOROBENZENE	EP-A	ND	0.001 MG/L
20130806016-S	8/6/2013	9/4/2013	HEXACHLOROCYCLOPENTADIENE	EP-A	ND	0.05 MG/L
20130806016-S	8/6/2013	9/4/2013	LASSO	EP-A	ND	0.002 MG/L
20130806016-S	8/6/2013	9/4/2013	SIMAZINE	EP-A	ND	0.004 MG/L
20130716010-S	7/16/2013	8/6/2013	1,2-DIBROMO-3-CHLOROPROPANE	EP-A	ND	0.0002 MG/L
20130716010-S	7/16/2013	8/6/2013	2,4,5-TP	EP-A	ND	0.05 MG/L
20130716010-S	7/16/2013	8/6/2013	2,4-D	EP-A	ND	0.07 MG/L
20130716010-S	7/16/2013	8/6/2013	BHC-GAMMA	EP-A	ND	0.0002 MG/L
20130716010-S	7/16/2013	8/6/2013	CARBOFURAN	EP-A	ND	0.04 MG/L
20130716010-S	7/16/2013	8/6/2013	CHLORDANE	EP-A	ND	0.002 MG/L
20130716010-S	7/16/2013	8/6/2013	DALAPON	EP-A	ND	0.2 MG/L
20130716010-S	7/16/2013	8/6/2013	DINOSEB	EP-A	ND	0.007 MG/L
20130716010-S	7/16/2013	8/6/2013	DIQUAT	EP-A	ND	0.02 MG/L
20130716010-S	7/16/2013	8/6/2013	ENDOTHALL	EP-A	ND	0.1 MG/L
20130716010-S	7/16/2013	8/6/2013	ENDRIN	EP-A	ND	0.002 MG/L
20130716010-S	7/16/2013	8/6/2013	ETHYLENE DIBROMIDE	EP-A	ND	0.00005 MG/L
20130716010-S	7/16/2013	8/6/2013	GLYPHOSATE	EP-A	ND	0.7 MG/L
20130716010-S	7/16/2013	8/6/2013	HEPTACHLOR	EP-A	ND	0.0004 MG/L
20130716010-S	7/16/2013	8/6/2013	HEPTACHLOR EPOXIDE	EP-A	ND	0.0002 MG/L
20130716010-S	7/16/2013	8/6/2013	METHOXYCHLOR	EP-A	ND	0.04 MG/L

20130716010-S	7/16/2013	8/6/2013	OXAMYL	EP-A	ND	0.2 MG/L
20130716010-S	7/16/2013	8/6/2013	PENTACHLOROPHENOL	EP-A	ND	0.001 MG/L
20130716010-S	7/16/2013	8/6/2013	PICLORAM	EP-A	ND	0.5 MG/L
20130716010-S	7/16/2013	8/6/2013	TOTAL POLYCHLORINATED BIPHENYLS (PCB)	EP-A	ND	0.0005 MG/L
20130716010-S	7/16/2013	8/6/2013	TOXAPHENE	EP-A	ND	0.003 MG/L
20130716011-V	7/16/2013	8/6/2013	1,1,1-TRICHLOROETHANE	EP-A	ND	0.2 MG/L
20130716011-V	7/16/2013	8/6/2013	1,1,2-TRICHLOROETHANE	EP-A	ND	0.005 MG/L
20130716011-V	7/16/2013	8/6/2013	1,1-DICHLOROETHYLENE	EP-A	ND	0.007 MG/L
20130716011-V	7/16/2013	8/6/2013	1,2,4-TRICHLOROBENZENE	EP-A	ND	0.07 MG/L
20130716011-V	7/16/2013	8/6/2013	1,2-DICHLOROETHANE	EP-A	ND	0.005 MG/L
20130716011-V	7/16/2013	8/6/2013	1,2-DICHLOROPROPANE	EP-A	ND	0.005 MG/L
20130716011-V	7/16/2013	8/6/2013	BENZENE	EP-A	ND	0.005 MG/L
20130716011-V	7/16/2013	8/6/2013	CARBON TETRACHLORIDE	EP-A	ND	0.005 MG/L
20130716011-V	7/16/2013	8/6/2013	CHLOROBENZENE	EP-A	ND	0.1 MG/L
20130716011-V	7/16/2013	8/6/2013	CIS-1,2-DICHLOROETHYLENE	EP-A	ND	0.07 MG/L
20130716011-V	7/16/2013	8/6/2013	DICHLOROMETHANE	EP-A	ND	0.005 MG/L
20130716011-V	7/16/2013	8/6/2013	ETHYLBENZENE	EP-A	ND	0.7 MG/L
20130716011-V	7/16/2013	8/6/2013	O-DICHLOROBENZENE	EP-A	ND	0.6 MG/L
20130716011-V	7/16/2013	8/6/2013	P-DICHLOROBENZENE	EP-A	ND	0.075 MG/L
20130716011-V	7/16/2013	8/6/2013	STYRENE	EP-A	ND	0.1 MG/L
20130716011-V	7/16/2013	8/6/2013	TETRACHLOROETHYLENE	EP-A	ND	0.005 MG/L
20130716011-V	7/16/2013	8/6/2013	TOLUENE	EP-A	ND	1 MG/L
20130716011-V	7/16/2013	8/6/2013	TRANS-1,2-DICHLOROETHYLENE	EP-A	ND	0.1 MG/L
20130716011-V	7/16/2013	8/6/2013	TRICHLOROETHYLENE	EP-A	ND	0.005 MG/L
20130716011-V	7/16/2013	8/6/2013	VINYL CHLORIDE	EP-A	ND	0.002 MG/L
20130716011-V	7/16/2013	8/6/2013	XYLENES, TOTAL	EP-A	ND	10 MG/L
20130709056-S	7/9/2013	8/6/2013	1,2-DIBROMO-3-CHLOROPROPANE	EP-B	ND	0.0002 MG/L
20130709056-S	7/9/2013	8/6/2013	2,4,5-TP	EP-B	ND	0.05 MG/L
20130709056-S	7/9/2013	8/6/2013	2,4-D	EP-B	ND	0.07 MG/L
20130709056-S	7/9/2013	8/6/2013	ATRAZINE	EP-B	ND	0.003 MG/L
20130709056-S	7/9/2013	8/6/2013	BENZO(A)PYRENE	EP-B	ND	0.0002 MG/L

20130709056-S	7/9/2013	8/6/2013	BHC-GAMMA	EP-B	ND	0.0002 MG/L
20130709056-S	7/9/2013	8/6/2013	CARBOFURAN	EP-B	ND	0.04 MG/L
20130709056-S	7/9/2013	8/6/2013	CHLORDANE	EP-B	ND	0.002 MG/L
20130709056-S	7/9/2013	8/6/2013	DALAPON	EP-B	ND	0.2 MG/L
20130709056-S	7/9/2013	8/6/2013	DI(2-ETHYLHEXYL) ADIPATE	EP-B	ND	0.4 MG/L
20130709056-S	7/9/2013	8/6/2013	DI(2-ETHYLHEXYL) PHTHALATE	EP-B	ND	0.006 MG/L
20130709056-S	7/9/2013	8/6/2013	DINOSEB	EP-B	ND	0.007 MG/L
20130709056-S	7/9/2013	8/6/2013	DIQUAT	EP-B	ND	0.02 MG/L
20130709056-S	7/9/2013	8/6/2013	ENDOTHALL	EP-B	ND	0.1 MG/L
20130709056-S	7/9/2013	8/6/2013	ENDRIN	EP-B	ND	0.002 MG/L
20130709056-S	7/9/2013	8/6/2013	ETHYLENE DIBROMIDE	EP-B	ND	0.00005 MG/L
20130709056-S	7/9/2013	8/6/2013	GLYPHOSATE	EP-B	ND	0.7 MG/L
20130709056-S	7/9/2013	8/6/2013	HEPTACHLOR	EP-B	ND	0.0004 MG/L
20130709056-S	7/9/2013	8/6/2013	HEPTACHLOR EPOXIDE	EP-B	ND	0.0002 MG/L
20130709056-S	7/9/2013	8/6/2013	HEXACHLOROBENZENE	EP-B	ND	0.001 MG/L
20130709056-S	7/9/2013	8/6/2013	HEXACHLOROCYCLOPENTADIENE	EP-B	ND	0.05 MG/L
20130709056-S	7/9/2013	8/6/2013	LASSO	EP-B	ND	0.002 MG/L
20130709056-S	7/9/2013	8/6/2013	METHOXYCHLOR	EP-B	ND	0.04 MG/L
20130709056-S	7/9/2013	8/6/2013	OXAMYL	EP-B	ND	0.2 MG/L
20130709056-S	7/9/2013	8/6/2013	PENTACHLOROPHENOL	EP-B	ND	0.001 MG/L
20130709056-S	7/9/2013	8/6/2013	PICLORAM	EP-B	ND	0.5 MG/L
20130709056-S	7/9/2013	8/6/2013	SIMAZINE	EP-B	ND	0.004 MG/L
20130709056-S	7/9/2013	8/6/2013	TOTAL POLYCHLORINATED BIPHENYLS (PCB)	EP-B	ND	0.0005 MG/L
20130709056-S	7/9/2013	8/6/2013	TOXAPHENE	EP-B	ND	0.003 MG/L
20130709057-V	7/9/2013	8/6/2013	1,1,1-TRICHLOROETHANE	EP-B	ND	0.2 MG/L
20130709057-V	7/9/2013	8/6/2013	1,1,2-TRICHLOROETHANE	EP-B	ND	0.005 MG/L
20130709057-V	7/9/2013	8/6/2013	1,1-DICHLOROETHYLENE	EP-B	ND	0.007 MG/L
20130709057-V	7/9/2013	8/6/2013	1,2,4-TRICHLOROBENZENE	EP-B	ND	0.07 MG/L
20130709057-V	7/9/2013	8/6/2013	1,2-DICHLOROETHANE	EP-B	ND	0.005 MG/L
20130709057-V	7/9/2013	8/6/2013	1,2-DICHLOROPROPANE	EP-B	ND	0.005 MG/L
20130709057-V	7/9/2013	8/6/2013	BENZENE	EP-B	ND	0.005 MG/L

20130709057-V	7/9/2013	8/6/2013	CARBON TETRACHLORIDE	EP-B	ND	0.005 MG/L
20130709057-V	7/9/2013	8/6/2013	CHLOROBENZENE	EP-B	ND	0.1 MG/L
20130709057-V	7/9/2013	8/6/2013	CIS-1,2-DICHLOROETHYLENE	EP-B	ND	0.07 MG/L
20130709057-V	7/9/2013	8/6/2013	DICHLOROMETHANE	EP-B	ND	0.005 MG/L
20130709057-V	7/9/2013	8/6/2013	ETHYLBENZENE	EP-B	ND	0.7 MG/L
20130709057-V	7/9/2013	8/6/2013	O-DICHLOROBENZENE	EP-B	ND	0.6 MG/L
20130709057-V	7/9/2013	8/6/2013	P-DICHLOROBENZENE	EP-B	ND	0.075 MG/L
20130709057-V	7/9/2013	8/6/2013	STYRENE	EP-B	ND	0.1 MG/L
20130709057-V	7/9/2013	8/6/2013	TETRACHLOROETHYLENE	EP-B	ND	0.005 MG/L
20130709057-V	7/9/2013	8/6/2013	TOLUENE	EP-B	ND	1 MG/L
20130709057-V	7/9/2013	8/6/2013	TRANS-1,2-DICHLOROETHYLENE	EP-B	ND	0.1 MG/L
20130709057-V	7/9/2013	8/6/2013	TRICHLOROETHYLENE	EP-B	ND	0.005 MG/L
20130709057-V	7/9/2013	8/6/2013	VINYL CHLORIDE	EP-B	ND	0.002 MG/L
20130709057-V	7/9/2013	8/6/2013	XYLENES, TOTAL	EP-B	ND	10 MG/L
20130709054-S	7/9/2013	8/6/2013	1,2-DIBROMO-3-CHLOROPROPANE	EP-C	ND	0.0002 MG/L
20130709054-S	7/9/2013	8/6/2013	2,4,5-TP	EP-C	ND	0.05 MG/L
20130709054-S	7/9/2013	8/6/2013	2,4-D	EP-C	ND	0.07 MG/L
20130709054-S	7/9/2013	8/6/2013	ATRAZINE	EP-C	ND	0.003 MG/L
20130709054-S	7/9/2013	8/6/2013	BENZO(A)PYRENE	EP-C	ND	0.0002 MG/L
20130709054-S	7/9/2013	8/6/2013	BHC-GAMMA	EP-C	ND	0.0002 MG/L
20130709054-S	7/9/2013	8/6/2013	CARBOFURAN	EP-C	ND	0.04 MG/L
20130709054-S	7/9/2013	8/6/2013	CHLORDANE	EP-C	ND	0.002 MG/L
20130709054-S	7/9/2013	8/6/2013	DALAPON	EP-C	ND	0.2 MG/L
20130709054-S	7/9/2013	8/6/2013	DI(2-ETHYLHEXYL) ADIPATE	EP-C	ND	0.4 MG/L
20130709054-S	7/9/2013	8/6/2013	DI(2-ETHYLHEXYL) PHTHALATE	EP-C	ND	0.006 MG/L
20130709054-S	7/9/2013	8/6/2013	DINOSEB	EP-C	ND	0.007 MG/L
20130709054-S	7/9/2013	8/6/2013	DIQUAT	EP-C	ND	0.02 MG/L
20130709054-S	7/9/2013	8/6/2013	ENDOTHALL	EP-C	ND	0.1 MG/L
20130709054-S	7/9/2013	8/6/2013	ENDRIN	EP-C	ND	0.002 MG/L
20130709054-S	7/9/2013	8/6/2013	ETHYLENE DIBROMIDE	EP-C	ND	0.00005 MG/L
20130709054-S	7/9/2013	8/6/2013	GLYPHOSATE	EP-C	ND	0.7 MG/L
20130709054-S	7/9/2013	8/6/2013	HEPTACHLOR	EP-C	ND	0.0004 MG/L

20130709054-S	7/9/2013	8/6/2013	HEPTACHLOR EPOXIDE	EP-C	ND	0.0002 MG/L
20130709054-S	7/9/2013	8/6/2013	HEXACHLOROBENZENE	EP-C	ND	0.001 MG/L
20130709054-S	7/9/2013	8/6/2013	HEXACHLOROCYCLOPENTADIENE	EP-C	ND	0.05 MG/L
20130709054-S	7/9/2013	8/6/2013	LASSO	EP-C	ND	0.002 MG/L
20130709054-S	7/9/2013	8/6/2013	METHOXYCHLOR	EP-C	ND	0.04 MG/L
20130709054-S	7/9/2013	8/6/2013	OXAMYL	EP-C	ND	0.2 MG/L
20130709054-S	7/9/2013	8/6/2013	PENTACHLOROPHENOL	EP-C	ND	0.001 MG/L
20130709054-S	7/9/2013	8/6/2013	PICLORAM	EP-C	ND	0.5 MG/L
20130709054-S	7/9/2013	8/6/2013	SIMAZINE	EP-C	ND	0.004 MG/L
20130709054-S	7/9/2013	8/6/2013	TOTAL POLYCHLORINATED BIPHENYLS (PCB)	EP-C	ND	0.0005 MG/L
20130709054-S	7/9/2013	8/6/2013	TOXAPHENE	EP-C	ND	0.003 MG/L
20130709055-V	7/9/2013	8/6/2013	1,1,1-TRICHLOROETHANE	EP-C	ND	0.2 MG/L
20130709055-V	7/9/2013	8/6/2013	1,1,2-TRICHLOROETHANE	EP-C	ND	0.005 MG/L
20130709055-V	7/9/2013	8/6/2013	1,1-DICHLOROETHYLENE	EP-C	ND	0.007 MG/L
20130709055-V	7/9/2013	8/6/2013	1,2,4-TRICHLOROBENZENE	EP-C	ND	0.07 MG/L
20130709055-V	7/9/2013	8/6/2013	1,2-DICHLOROETHANE	EP-C	ND	0.005 MG/L
20130709055-V	7/9/2013	8/6/2013	1,2-DICHLOROPROPANE	EP-C	ND	0.005 MG/L
20130709055-V	7/9/2013	8/6/2013	BENZENE	EP-C	ND	0.005 MG/L
20130709055-V	7/9/2013	8/6/2013	CARBON TETRACHLORIDE	EP-C	ND	0.005 MG/L
20130709055-V	7/9/2013	8/6/2013	CHLOROBENZENE	EP-C	ND	0.1 MG/L
20130709055-V	7/9/2013	8/6/2013	CIS-1,2-DICHLOROETHYLENE	EP-C	ND	0.07 MG/L
20130709055-V	7/9/2013	8/6/2013	DICHLOROMETHANE	EP-C	ND	0.005 MG/L
20130709055-V	7/9/2013	8/6/2013	ETHYLBENZENE	EP-C	ND	0.7 MG/L
20130709055-V	7/9/2013	8/6/2013	O-DICHLOROBENZENE	EP-C	ND	0.6 MG/L
20130709055-V	7/9/2013	8/6/2013	P-DICHLOROBENZENE	EP-C	ND	0.075 MG/L
20130709055-V	7/9/2013	8/6/2013	STYRENE	EP-C	ND	0.1 MG/L
20130709055-V	7/9/2013	8/6/2013	TETRACHLOROETHYLENE	EP-C	ND	0.005 MG/L
20130709055-V	7/9/2013	8/6/2013	TOLUENE	EP-C	ND	1 MG/L
20130709055-V	7/9/2013	8/6/2013	TRANS-1,2-DICHLOROETHYLENE	EP-C	ND	0.1 MG/L
20130709055-V	7/9/2013	8/6/2013	TRICHLOROETHYLENE	EP-C	ND	0.005 MG/L
20130709055-V	7/9/2013	8/6/2013	VINYL CHLORIDE	EP-C	ND	0.002 MG/L

20130709055-V	7/9/2013	8/6/2013	XYLENES, TOTAL	EP-C	ND	10 MG/L
20130613021-D	6/11/2013	7/9/2013	TOTAL HALOACETIC ACIDS (HAA5)	DIST-A	0.0221	0.06 MG/L
20130613022-D	6/11/2013	7/9/2013	TTHM	DIST-A	0.0261	0.08 MG/L
20130613023-D	6/11/2013	7/9/2013	TOTAL HALOACETIC ACIDS (HAA5)	DIST-A	0.0196	0.06 MG/L
20130613024-D	6/11/2013	7/9/2013	TTHM	DIST-A	0.0153	0.08 MG/L
20130402010-I	4/1/2013	4/9/2013	NITRATE	EP-A	ND	10 MG/L
20130402011-I	4/1/2013	4/9/2013	NITRATE	EP-B	ND	10 MG/L
20130402012-I	4/1/2013	4/9/2013	NITRATE	EP-C	ND	10 MG/L
20130117011-D	1/17/2013	2/7/2013	TOTAL HALOACETIC ACIDS (HAA5)	DIST-A	0.0119	0.06 MG/L
20130117012-D	1/16/2013	2/7/2013	TTHM	DIST-A	0.0183	0.08 MG/L
20130117013-D-D	1/16/2013	2/7/2013	TOTAL HALOACETIC ACIDS (HAA5)	DIST-A	0.0081	0.06 MG/L
20130117014-D	1/16/2013	2/7/2013	TTHM	DIST-A	0.0114	0.08 MG/L

Oregon
John A. Kitzhaber, MD, Governor

Water Resources Department
North Mall Office Building
725 Summer St NE, Suite A
Salem, OR 97301
Phone (503) 986-0900
Fax (503) 986-0904
www.wrd.state.or.us

January 27, 2014

Buell Red Prairie Water District
c/o Corey Lane, District Manager
P O Box 367
Sheridan, OR 97378

RE: AR Water Quality monitoring plan under Certificate 87392, T-11390

Dear Corey,

Buell-Red Prairie Water District recently contacted WRD requesting a change to the Groundwater Recharge water quality monitoring plan authorized in 1991 by DEQ and WRD. That monitoring plan is referenced in Condition 11 (B) of Certificate 87392. That original plan required a slightly different list of constituents than the list and schedule currently required by the Oregon Health Authority's Drinking Water Program. Your request was to change the groundwater recharge water quality monitoring plan to mirror what is required for drinking water system operation. After reviewing the data on file and visiting the site, both DEQ and WRD find this request reasonable and efficient, while still being protective of the groundwater resource.

I have received an approval letter for the revised monitoring plan from Jack Arendt, DEQ Hydrogeologist. This letter confirms the OWRD is in agreement, and the revised water quality monitoring is approved. I will enter this documentation into the files here at OWRD.

Thanks for working with us, and don't hesitate to call if you have any further questions. I am available at 503-986-0855 or woodyj1@wrd.state.or.us.

Sincerely,

Jen Woody
Hydrogeologist

cc:Jack Arendt
file

Oregon
John A. Kitzhaber, M.D., Governor

Department of Environmental Quality
Western Region Salem Office
750 Front Street NE, Suite 120
Salem, OR 97301-1039
(503) 378-8240
FAX (503) 373-7944
TTY (503) 378-3684

January 21, 2014

Buell Red Prairie Water District
c/o Corey Lane, District Manager
PO Box 367
Sheridan, OR97378

Re: Buell-Red Prairie Water District
Proposed changes to Water Quality Monitoring Plan
Certificate 87392, T-11390
Polk County

Dear Mr. Lane,

The Department of Environmental Quality (DEQ) has completed a review of proposed changes to the Buell-Red Prairie Water District, Water Quality Monitoring Plan. The Buell-Red Prairie Water District recently contacted the Water Resources Department (WRD) requesting a change to the Groundwater Recharge monitoring plan authorized in 1991 by DEQ and WRD. As referenced in Condition 11 (B) of Certificate 87392, the monitoring plan required a slightly different list of constituents than currently required by the Oregon Health Authority's Drinking Water Program (OHA).

The proposed changes mirror the current requirements established by the OHA for drinking water system operation. After reviewing the data on file and visiting the site, we agree with WRD and find the request reasonable and efficient, while still being protective of the groundwater resource.

According to Condition 11 and 11(B) of Certificate 87392, the 1991 monitoring plan remains in effect until WRD receives an agreement signed by the water user and DEQ to modify that plan. Please consider this letter the DEQ's approval of the revised monitoring plan for the Buell-Red Prairie Water District.

If you have any questions about these comments, water quality monitoring requirements, or would like to discuss issues with your facility in greater detail, I encourage you to contact me at (503) 378-5320 (or via email at arendt.jack@deq.state.or.us). Thank you for your continued efforts to remain in compliance with your water rights certificate number 87392.

Sincerely,

Jack Arendt, RG, CWRE
Hydrogeologist
Western Region

RECEIVED BY OWRD
JAN 23 2014
SALEM, OR

:jja

Cc: Dave Belyea – DEQ, RES - Eugene
Jen Woody, RG, WRD, 725 Summer St NE, Suite A, Salem Or 97301

Buell Red Prairie Water District

PO Box 367
Sheridan, OR 97378
Phone: 503-843-2885 Fax: 503-843-2387 Email: brpwater@hughes.net

To: Water Resource Department

RE: New ASR testing requirements

Per our discussions, we would like to change Buell Red Prairie Water District's AR monitoring plan to follow OHA Drinking Water Program's sampling requirements for both drinking water monitoring and AR monitoring.

I understand that DEQ would like to upgrade our sampling protocol and its understood that a representative of DEQ will come out when time permits, to help run field parameters for the purpose of well stability during testing.

Thank you for your time,

Corey Lane
District Manager
Buell Red Prairie Water District

Procedures? - something in writing -

12/23/2013

Oregon
John A. Kitzhaber, MD, Governor

Water Resources Department
North Mall Office Building
725 Summer St NE, Suite A
Salem, OR 97301
Phone (503) 986-0900
Fax (503) 986-0904
www.wrd.state.or.us

December 23, 2013

Buell Red Prairie Water District
c/o Corey Lane, District Manager
P O Box 367
Sheridan, OR 97378

RE: AR Water Quality monitoring plan under Certificate 87392, T-11390

Dear Corey,

Buell-Red Prairie Water District recently contacted WRD requesting a change to the Groundwater Recharge monitoring plan authorized in 1991 by DEQ and WRD. That monitoring plan is referenced in Condition 11 (B) of Certificate 87392. That original plan required a slightly different list of constituents than the list and schedule currently required by the Oregon Health Authority's Drinking Water Program. Your request was to change the groundwater recharge water quality monitoring plan to mirror what is required for drinking water system operation. After reviewing the data on file and visiting the site, both DEQ and WRD find this request reasonable and efficient, while still being protective of the groundwater resource.

As we discussed, DEQ hydrogeologist Jack Arendt has requested to participate in the District's next sampling event to help develop procedures to determine that samples are stable and representative of the resource. Please contact Jack (503-378-5320) at least 14 days before the next sampling event so he can schedule accordingly. Based on a review of OHA's data for your system, there is an annual sample drawn for nitrate that is collected in the spring that might be a good candidate.

According to Condition 11 and 11(B) of Certificate 87392, the 1991 monitoring plan will remain in effect until WRD receives an agreement signed by the water user and DEQ to modify that plan. It's unusual language but the memo you sent me last week is a good starting point. I have attached that memo, a copy of the drinking water sampling schedule, and Certificate 87392 for your reference. Please sign the memo, forward it to Jack for his signature, then return to me and we should have the signed agreement required by your water use certificate to change the monitoring plan.

Sincerely,

Jen Woody
Hydrogeologist

cc:Jack Arendt

December 23, 2013

Buell Red Prairie Water District
c/o Corey Lane, District Manager
P O Box 367
Sheridan, OR 97378

RE: AR Water Quality monitoring plan under Certificate 87392, T-11390

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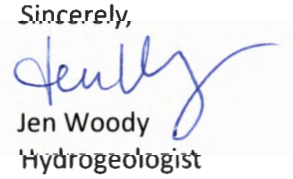
Sincerely,



Jen Woody
Hydrogeologist

cc:Jack Arendt

Jen Woody

From: Buell Red Prairie Water District <brpwater@hughes.net>
Sent: Tuesday, August 06, 2013 3:57 PM
To: 'Jen Woody'
Subject: RE: Buell Red Prairie Water Testing Waiver

Yes, I was hoping that we could duplicate the testing I do for drinking water.

I run ph daily for my chlorine contact so that ones not an issue. As far as the TDS goes we have a new filter plant and run water through 0.02 micron pores. The TDS getting through are almost non existent with a fininshed turbidity of .015ntu to .025 on an average.

I understand you have to go through the chain and am not in any big hurry. We can't start recharging for awhile anyway so I thought this might be a good time to ask. Not to mention a lot has changed as far as our water plant goes since 1991!!

Thanks for you help!!

Corey Lane
District Manager
Buell Red Prairie Water District
PO Box 367
5818 Mill Creek Rd
Sheridan OR, 97378

503-843-2885 Office
503-843-5212 Plant
503-843-2387 Fax

From: Jen Woody [mailto:jennifer.l.woody@state.or.us]
Sent: Tuesday, August 06, 2013 11:54 AM
To: Buell Red Prairie Water District
Subject: RE: Buell Red Prairie Water Testing Waiver

Hi Corey,
Can you clarify a couple things?
First, there are a few inorganics on the AR sampling plan that do not appear on the drinking water program list, i.e. Iron, manganese and silver. Are you requesting to remove those from the AR sampling list?

Second, pH and TDS have the same issue. Are you asking to drop those from the AR sampling program?

This will help me clarify the monitoring modification request to my counterpart at Department of Environmental Quality. Artificial groundwater recharge water quality issues are overseen by DEQ, so I am seeking their review of your request. Unfortunately, my counterpart at DEQ is out of the office for 2 weeks, so it will be a few weeks before I have a reply for you. But, the wheels are turning.
Jen

Jen Woody
Hydrogeologist

Oregon Water Resources Department
725 Summer St NE, Suite A
Salem, OR 97301
503-986-0855

From: Buell Red Prairie Water District [mailto:brpwater@hughes.net]
Sent: Tuesday, July 30, 2013 12:45 PM
To: Jen Woody; 'Jen Woody'
Subject: Buell Red Prairie Water Testing Waiver

Jen, attached is a copy of our current testing schedule for Gooseneck, Well 1 and Well 2. I also attached the testing schedule we were to perform for recharge from 1991 that you provided to me.

In reviewing your testing schedule and our current testing schedule. I think your testing schedule might be a little outdated and I think we are duplicating tests. We are also testing for things that we have gotten waivers on from the state drinking water department. Our new filters are quite amazing in removing particulates of certain nature!

At this point I am asking to have our monitoring plan adjusted for gooseneck and well 1 to meet and/or coincide with our current monitoring plan.(attached).

Thanks for your time,

Corey Lane
District Manager
Buell Red Prairie Water District
PO Box 367
5818 Mill Creek Rd
Sheridan OR, 97378

503-843-2885 Office
503-843-5212 Plant
503-843-2387 Fax

Oregon Public Health
Drinking Water Data Online

Introduction :: Data Search Options :: WS Name Look Up :: WS ID Look Up :: DWS Home :: Quick Data Links

System Information

Status: Active
Type: C
Population: 976

Schedule Counts

Active: 32
Inactive: 0
Expired: 4 Show Expired

PWS #: 01174 BUELL-RED PRAIRIE WD Routine Sampling Schedules For Chemicals

Facility ID	Name	Status	Test Group	Samples Required	Sampling Interval	Start	End	Notes*
DIST-A	Distribution System	A	DBP2 HAA5 ONLY	1	Quarterly	10/01/2013	Open	Sample in Nov, Feb, May, and Aug at HARMONY
DIST-A	Distribution System	A	DBP2 TTHM ONLY	1	Quarterly	10/01/2013	Open	Sample in Nov, Feb, May, and Aug at BLANCHARD
DIST-A	Distribution System	A	LEAD & COPPER	10	3 Years	01/01/2002	Open	Sample Between June 1st and Sept 30th
EP-A	EP FOR GOOSENECK CREEK	A	ARSENIC	1	9 Years	01/01/2008	Open	
EP-A	EP FOR GOOSENECK CREEK	A	IOC	1	9 Years	01/01/2002	Open	Schedule reflects monitoring reduction granted.
EP-A	EP FOR GOOSENECK CREEK	A	NITRATE	1	Yearly	01/01/2002	Open	
EP-A	EP FOR GOOSENECK CREEK	A	NITRITE	1	9 Years	01/01/2002	Open	Schedule reflects monitoring reduction granted.
EP-A	EP FOR GOOSENECK CREEK	A	RAD - GROSS ALPHA	1	9 Years	01/01/2008	Open	
EP-A	EP FOR GOOSENECK CREEK	A	RAD - RADIUM 226/228	1	9 Years	01/01/2008	Open	
EP-A	EP FOR GOOSENECK CREEK	A	RAD - URANIUM	1	9 Years	01/01/2008	Open	
EP-A	EP FOR GOOSENECK CREEK	A	SOC	1	3 Years	01/01/2002	Open	
EP-A	EP FOR GOOSENECK CREEK	A	VOLATILE ORGANICS	1	Yearly	01/01/2002	Open	
EP-B	EP FOR WELL #1	A	ARSENIC	1	9 Years	01/01/2008	Open	
EP-B	EP FOR WELL #1	A	IOC	1	9 Years	01/01/2002	Open	Schedule reflects monitoring reduction granted.
EP-B	EP FOR WELL #1	A	NITRATE	1	Yearly	01/01/2002	Open	
EP-B	EP FOR WELL #1	A	NITRITE	1	9 Years	01/01/2002	Open	Schedule reflects monitoring reduction granted.
EP-B	EP FOR WELL #1	A	RAD - GROSS ALPHA	1	9 Years	01/01/2008	Open	
EP-B	EP FOR WELL #1	A	RAD - RADIUM 226/228	1	6 Years	01/01/2014	Open	
EP-B	EP FOR WELL #1	A	RAD - RADIUM 226/228	1	9 Years	01/01/2008	12/31/2013	
EP-B	EP FOR WELL #1	A	RAD - URANIUM	1	6 Years	01/01/2008	12/31/2013	
EP-B	EP FOR WELL #1	A	RAD - URANIUM	1	9 Years	01/01/2014	Open	
EP-B	EP FOR WELL #1	A	SOC	1	3 Years	01/01/2002	Open	
EP-B	EP FOR WELL #1	A	VOLATILE ORGANICS	1	3 Years	01/01/2002	Open	
EP-C	EP FOR WELL #2	A	ARSENIC	1	9 Years	01/01/2008	Open	
EP-C	EP FOR WELL #2	A	IOC	1	9 Years	01/01/2002	Open	Schedule reflects monitoring reduction granted.
EP-C	EP FOR WELL #2	A	NITRATE	1	Yearly	01/01/2002	Open	
EP-C	EP FOR WELL #2	A	NITRITE	1	9 Years	01/01/2002	Open	Schedule reflects monitoring reduction granted.
EP-C	EP FOR WELL #2	A	RAD - GROSS ALPHA	1	9 Years	01/01/2008	Open	
EP-C	EP FOR WELL #2	A	RAD - RADIUM 226/228	1	9 Years	01/01/2008	Open	
EP-C	EP FOR WELL #2	A	RAD - URANIUM	1	9 Years	01/01/2008	Open	

EP-C	EP FOR WELL #2	A	SOC	1	3 Years	01/01/2002	Open
EP-C	EP FOR WELL #2	A	VOLATILE ORGANICS	1	3 Years	01/01/2002	Open

Jen Woody

From: Buell Red Prairie Water District <brpwater@hughes.net>
Sent: Tuesday, July 30, 2013 12:45 PM
To: Jen Woody; 'Jen Woody'
Subject: Buell Red Prairie Water Testing Waiver
Attachments: BRPwatertesting.pdf

Jen, attached is a copy of our current testing schedule for Gooseneck, Well 1 and Well 2. I also attached the testing schedule we were to perform for recharge from 1991 that you provided to me.

In reviewing your testing schedule and our current testing schedule. I think your testing schedule might be a little outdated and I think we are duplicating tests. We are also testing for things that we have gotten waivers on from the state drinking water department. Our new filters are quite amazing in removing particulates of certain nature!

At this point I am asking to have our monitoring plan adjusted for gooseneck and well 1 to meet and/or coincide with our current monitoring plan.(attached).

Thanks for your time,

Corey Lane
District Manager
Buell Red Prairie Water District
PO Box 367
5818 Mill Creek Rd
Sheridan OR, 97378

503-843-2885 Office
503-843-5212 Plant
503-843-2387 Fax

need to talk to Jack A. @ DEQ. he's out of the office until Aug 19

Ask JA: info to request?
(1) scan file materials/results

STATE OF OREGON

COUNTY OF POLK

CERTIFICATE OF WATER RIGHT

THIS CERTIFICATE ISSUED TO

BUELL RED PRAIRIE WATER DISTRICT
PO BOX 367
SHERIDAN OR 97378

confirms the right to use the waters of GOOSENECK CREEK for GROUND WATER RECHARGE.

This right was perfected under Permit 51165. The date of priority is JUNE 8, 1984. The use is limited to the period October 1 through May 31, not more than 75.0 GALLONS PER MINUTE, and not to exceed 61.0 ACRE-FEET each recharge period/year, measured at the point of diversion.

The point of diversion is located as follows:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
6 S	7 W	WM	35	SE SW	NORTH 39 DEGREES, 14 MINUTES WEST, 800 FEET FROM S1/4 CORNER, SECTION 35

The water user shall appropriate water from Gooseneck Creek only when the following instream flows in cubic feet per second are maintained at the mouth of Gooseneck Creek:

OCTOBER	NOVEMBER THROUGH MAY
1.0	10.0

The water user shall maintain an in-line flow meter, weir or other suitable measuring device, of type and at the location approved by the watermaster, for measuring or recording the above instream flows.

The place of use is the recharge well that is located as follows:

Twp	Rng	Mer	Sec	Q-Q
6 S	7 W	WM	35	SW SE

This right is also subject to the following conditions:

1. Meters: The water user shall meter the water withdrawn at the diversion and the water injected into the recharge well shall be metered.

NOTICE OF RIGHT TO PETITION FOR RECONSIDERATION OR JUDICIAL REVIEW

This is an order in other than a contested case. This order is subject to judicial review under ORS 183.484 and ORS 536.075. Any petition for judicial review must be filed within the 60-day time period specified by ORS 183.484(2). Pursuant to ORS 183.484, ORS 536.075 and OAR 137-004-0080, you may petition for judicial review and 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. In addition, under ORS 537.260 any person with an application, permit or water right certificate subsequent in priority may jointly or severally contest the issuance of the certificate within three months after issuance of the certificate.

2. Records, inspections: The water user shall keep accurate and current records of daily metered values, water levels and other operational information. The Water Resources Director (Director) may inspect the records and works cover by this right upon one day notice and at any reasonable time.

3. Estimated data: When data are missing in whole or in part, the Director may make estimates from available data. Those estimates shall be reasonable and, where range of uncertainty exists, conservatively low on water delivered to the place of recharge.

4. Water level monitoring: Once each year between April 1 and June 1, the water user shall measure and record the depth to water below land surface in each of the following wells to 1 foot accuracy. Prior to the determinations, recharge and pumping shall be suspended by the water user for at least seven days. Two of the wells are not controlled by the district identified as the certificate holder; however the water user shall attempt to cooperate with the other owners to obtain these measurements.

Well Location	Common Name	Remarks
T6S/R7W-35db	Buell-Red Prairie #1	
T6S/R7W-35da	Buell-Red Prairie #2	
T6S/R7W-35dc	Recharge Well	
T6S/R7W-35ca	Mike Propes Well	Not Controlled by District
T6S/R7W-35db	Villager Well	Not Controlled by District

5. Target water levels in key wells: This right designates two existing wells as key wells in the water level monitoring program. As determined between April 1 and June 1 of each year, actual water levels at these wells shall be compared to the target levels to determine allowable use as indicated under the allowable use of stored water condition. Key wells and associated target levels are:

		Target Levels (feet below Land Surface Datum)	
Well Location	Common Name	Upper	Lower
T6S/R7W-35db	Buell-Red Prairie #1	55	125
T6S/R7W-35dc	Recharge Well	15	50

6. Storage account for the determination of stored recharge water: The Water Resources Department (WRD) shall make final determinations on stored groundwater. This shall occur through a storage account which covers this right. The storage account shall be based on recharge and secondary rights withdrawls over only the preceding five recharge years. For this right, the recharge year is the period from June 1 through May 31 of each year. It shall be credited at 80% of water metered to the place of recharge. Withdrawls of stored water shall be debited at 100% of metered values at wells covered by secondary right(s). The debit applies to that portion of withdrawls which are in excess of the water user's natural water pumpage of 5 million gallons annually under right G-8748. The water user may obtain information on the storage account from the WRD by submitting a written request.

7. Allowable use of stored recharge water: The availability of recharge water stored under this right is based on the priority of secondary groundwater rights and the allowable use of stored recharge water. The allowable use of stored recharge water during any water year falls into 3 categories. For ease of reference, these categories are named as color zones.

   (A) Green zone: If recent water levels as determined between April 1 and June 1 at the two (2) key wells are above the upper target levels, use is allowed up to the maximum of the storage account.

   (B) Yellow zone: If neither the Green zone nor Red zone water levels prevail, use is allowed up to 80 percent of the recharge volume for the preceding 12 months.

(C) Red zone: If recent water levels as determined between April 1 and June 1 at two (2) key wells are below the lower target levels, no use of recharged water is allowed the following recharge year.

8. A potential operator, other than the District, shall prove, to the Director's satisfaction, the financial capability to operate the project authorized by the right.

9. Mitigating unforeseen effects:

(A) If, under actual operation of the recharge project, the Director notifies the water user that the Director has reason to believe there are adverse groundwater quantity or quality effects, the water user shall cease recharge activities. No further diversion shall be made until measures to prevent, correct, or monitor the adverse effects have been agreed to and implemented.

(B) If, in the judgment of the Director, project performance or other hydrologic circumstances indicate that provision(s) in this right are an unnecessary hardship, or are either inappropriate or inadequate to monitor or manage the quantity or protect the quality of the groundwater resource, the Director may modify target water levels, key wells, the storage account credit factor, the storage account, or any other term of this right as necessary to remedy the deficiencies.

10. Technical oversight: The operation of the recharge project shall be overseen by a professional registered civil engineer(s) licensed to practice in Oregon.

11. Other state or federal agency requirements:

The following conditions are notices of requirements of other Oregon state agencies. The water user shall correspond directly with each agency regarding monitoring, reporting and any other requirements. Reports shall only be submitted to the requiring agency, unless otherwise specified herein.

The WRD will enforce these conditions in a manner similar to other conditions in this right but only upon notice of noncompliance and request for enforcement from the responsible agencies.

Conditions 11(A) and (B) shall remain in effect unless and until WRD receives a written agreement signed by the water user and responsible agencies to modify the conditions.

(A) The water user shall comply with the requirements of the Oregon State Health Division.

(B) The water user shall provide appropriate groundwater quality protection as specified by the Oregon Department of Environmental Quality (DEQ). The DEQ monitoring and sampling plan for this project was submitted to the WRD by letter of January 18, 1991, and is, by reference, included as part of this right.

12. Annual and other reports:

(A) The water user shall submit an annual report to the WRD and any secondary water user by June 15 of each year. That report shall include the range of diversion and recharge rates and total quantities diverted and recharged during the prior recharge year (ending May 31) as metered under conditions 1, 2, and 3. In addition, the report shall include the water level data from condition 4, the water users estimate of the storage account under condition 6, a brief narrative describing operational factors related to the recharge project and conditions 8, 9, 10 and a list of the dates of any reports submitted to other agencies under condition 11.

(B) The water user shall submit, as scheduled, any reports required by other agencies as specified under Condition 11.

This right is for the beneficial use of water without waste.

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

The wells shall be maintained 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 to determine the water level elevation in the wells at all times.

Issued JAN 27 2012.

Dwight W. French
Water Right Services Administrator, for
Phillip C. Ward, Director
Water Resources Department

Map to Acccompany Claim of Beneficial Use (COBU)
For Application S-66101 and Permit S-51165
Section 35, T6S, R7W, WM, Polk County

NORTH

POD
(Gooseneck Creek - Reservoir)

POU
(Recharge well and water meter)



From 1/4 Section Corner to POD
N 39 Deg 14 Min W
800 - ft

1/4 Section Corner

From 1/4 Section Corner to POU
N 33 Deg 01 Min E
1,200 - ft

Notes:

1) This map is not intended to provide legal dimensions or locations of property ownership lines.

2) Map prepared for:
Buell Red Prairie Water District
Mark Millikan, Chairman
PO Box 367
Sheridan, OR 97378
503-843-2548

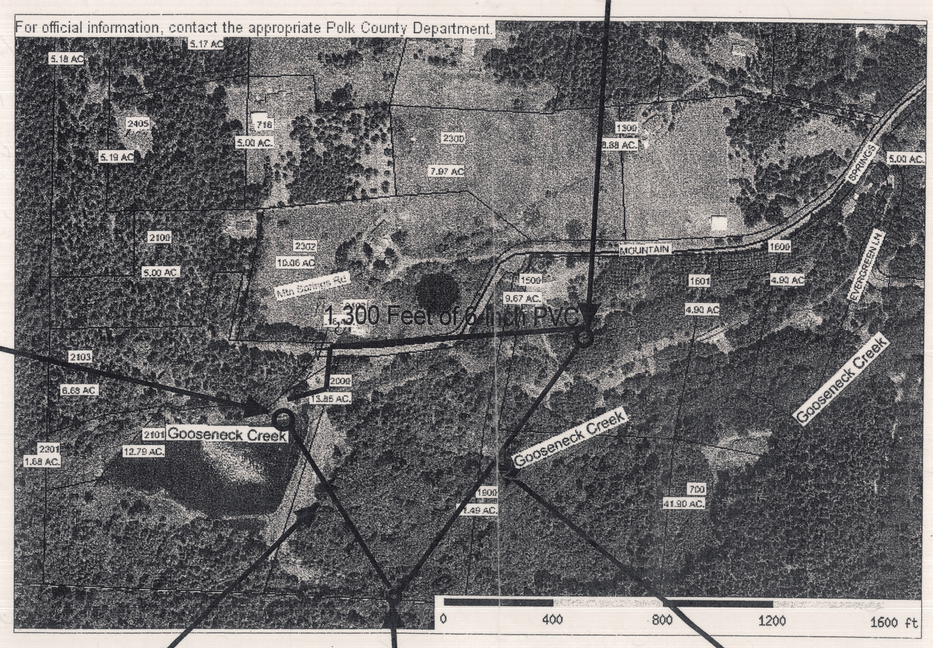
3) Map prepared by:
Paul Eckley
CWRE #415WRE
579 Juntura Court SE
Salem, OR 97302
503-364-8199

Certified Water Right Examiner
#415WRE
Paul Eckley
Jan. 16, 1996
STATE OF OREGON

EXPIRES: 12-31-09

COBU MAP # 0416

Map to Acccompany Claim of Beneficial Use (COBU)
For Application S-66101 and Permit S-51165
Section 35, T6S, R7W, WM, Polk County



From 1/4 Section Corner to POD
N 39 Deg 14 Min W
800 - ft

1/4 Section Corner

From 1/4 Section Corner to POU
N 33 Deg 01 Min E
1,200 - ft

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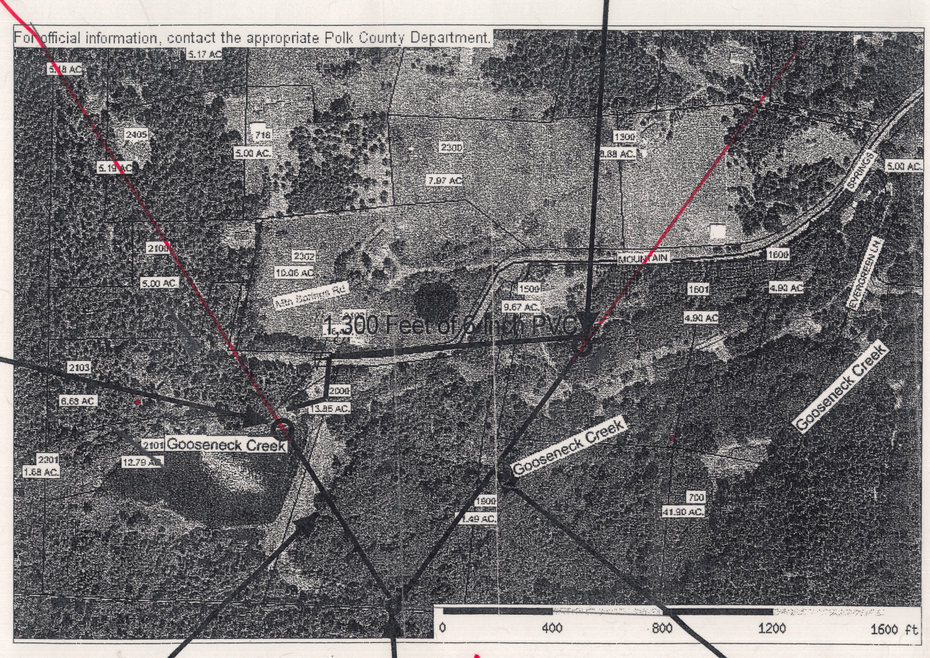
For Application S-66101 and Permit S-51165
Section 35, T6S, R7W, WM, Polk County



From 1/4 Section Corner to POD
N 39 Deg 14 Min W
800 - ft

1/4 Section Corner

From 1/4 Section Corner to POU
N 33 Deg 01 Min E
1,200 - ft

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Paul Eckley
Jan. 16, 1996
STATE OF OREGON

EXPIRES: 12-31-09

COBU MAP # 0416

35

5 1/4

Section 35 ?

57-58 +/-

55 +/-

Oregon
John A. Kitzhaber, MD, 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

Date Mailed: January 27, 2012

NOTICE OF CERTIFICATE ISSUANCE

The attached certificate confirms the water right established under the terms of a permit issued by this department. The water right is now appurtenant to the specific place where the use was established as described by the certificate. The water right is limited to a specific amount of water, but not more than can be beneficially used for the purposes stated within the certificate.

This is a final order in other than a contested case. This order is subject to judicial review under ORS 183.484. Any petition for judicial review must be filed within **60 days of the mailing date stated above** as specified by ORS 183.484(2).

This statement of judicial review rights is required under ORS 536.075; it does not alter or add to existing review rights or create review rights that are not otherwise provided by law.

Under ORS 537.260 and 537.270, a water right certificate may be contested before the Water Resources Department within three (3) months of the date it is issued. If a certificate is contested, the qualifying contestant shall be offered an administrative hearing.

Oregon law does not allow the Director to reissue a certificate because of a change in the ownership of the appurtenant place of use. The water must be controlled and not wasted. To change the location of the point of diversion, the character of use, or the location of use requires the advance approval of the Water Resources Director.

If any portion of this water right is not used for five or more consecutive years, then that portion of the right may be subject to forfeiture according to ORS 540.610. Land enrolled in a Federal Reserve Program is not subject to forfeiture during the period of enrollment. Other exceptions to forfeiture are explained in ORS 540.610.

If you have any questions please contact R. Craig Kohanek at 503-986-0823.

Mailing List for Certificate

Scheduled Mailing Date:

Application: S-66101

Right: Permit 51165

Certificate: 87392

Copies Mailed

by: Connie Dame
(STAFF)

on: JAN 27 2012
(DATE)

Right/Certificate Holder:

BUELL RED PRAIRIE WATER DISTRICT
PO BOX 367
SHERIDAN OR 97378

Copies of Final Certificate to be sent to:

1. Watermaster District 16, Mike L. McCord
2. Data Center (include copy of map)
3. Water Availability
4. Vault
5. File

Other persons to receive copies: (include map):

1. Paul L. Eckley, CWRE

10296

State of Oregon
Department of Environmental Quality
Water Quality Division
Underground Injection Well Registration

APR 06 1999

Water Quality Division
Department of Environmental Quality

Jurisdiction / Industrial / Commercial Facility Information

A. Facility Name: Buell Red Prairie Water
Address: PO Box 367
City: Sheridan Zip: OR County: 97378
Zoning of facility location:
☐ Industrial ☐ Commercial ☐ Residential Other ✓

G. Legal Contact, if different: Mark Lyon
Address: PO Box 367
City: Sheridan Zip: OR County: 97378
Phone: (503) 843-2675

B. Facility Representative Submitting:
Mark Lyon — Name
3/1/99 — Date
Maint / op — Title
Phone: (503) 843-2675

H. Location: (enclose a USGS map clearly identifying the facility site, location of wells at site and a map of the facility in relation to its surroundings or provide longitude and latitude):
☐ Map enclosed
Longitude: 123° 30' 42.4" 123.5071
Latitude: 45° 00 5.94" 45.0010

C. List the North American Industry Classification System (NAICS) most pertinent to your facility. List Other, secondary codes, if applicable.

1. 221310
2.
3.
4.
5.
6.

I. List of Existing DEQ permits held (with permit number):

	Permit Type	Number
1.	Discharge Monitoring	WRD 5165
2.	Report	
3.		
4.		
5.		
6.		
7.		
8.		

D. Facility's drinking water source (public water or private well) or industrial water sources, and monthly average water use for the facility:

Water Source	Monthly Avg. Use
public	1,000,000

J. Briefly describe the type of facility and processes:
DE filter plant. Treated w/cl
Up to 75 gpm to recharge well
Rest to customers.

E. Briefly describe the type of materials, products and wastes handled at the facility (Attach MSDS sheets):
Sodium Hypochlorate
Diatomaceous Earth

K. Describe the wastewater characteristics (Attach analytical results, if available): N/A

F. Describe stormwater, process or wastewater discharge (circle) used on site and estimate number of each:

N/A

1. Holding Tank (list fluid types and hauler)
2. Settling basin
3. Detention pond or lagoon
4. Septic system/leachfield
5. Wet or dry vault
6. Cesspool
7. Catch basin
8. Dry well
9. Stormwater drain
10. Sump
11. Sand/grit separator
12. Oil/water separator
13. Floor drains
14. Infiltration swale
15. Directly to the ground
16. Drainage ditch
17. Surface water, lake, river, wetland
18. Stormwater sewer
19. Other or unknown (explain):

(OVER)

Well log not available

A. Injection Well Information (required for *each* individual well located on-site, provide the following data):

1. EPA Well type:

5A5	Electric Power Generator	5W11	Septic System (general)
5A6	Geothermal Heat (open loop)	5W12	Water Treatment Plant Effluent
5A7	Closed Loop Heat Pump Return	5W20	Industrial Process Water
5A8	Aquaculture Return Flow	5W31	Septic System (well disposal)
5A19	Cooling Water Return	5W32	Septic System (drainfield)
5B22	Saline Water Intrusion Barrier	5X13	Mine Tailings Backfill
5D2	Stormwater	5X14	Solution Mining
5D4	Industrial Storm Runoff	5X15	In Situ Fossil (Fuel Recovery)
5F1	Agricultural Runoff Waste	5X16	Spent Brine Return Flow
5G30	Special Drainage Water	5X25	Experimental Technology
5N24	Low Level Radioactive Waste	5X26	Aquifer Remediation
5R21	Aquifer Recharge	5X27	Other Wells
5W9	Untreated Sewage	5X28	Service Station Waste
5W10	Cesspool	5X29	Abandoned Drinking Water Well

B. Well Depth and Diameter or depth of lateral lines if a leachfield system: _____

I. Distance to nearest: 1) Domestic or public water well, 2) Distance to wetland, 3) Surface water body. (miles/direction): 1) 400 yd N
2) 300' S
3) 1/4 mi W

C. Discharge Rate and Volume:

Rate	Volume	
75 gpm	~~259~~ 61 acft	max allowed

J. Depth to groundwater (local): 60' (est)

D. Waste Type Discharged: N/A

K. Size of impervious area drained (estimate): _____

E. Well Operation Status: (Please check one)
- ☒ Active
- ☐ Under Construction
- ☐ Decommissioned (date & method of closure)

L. Treatment Type(s) Prior to Discharge: Filtered
Cl 0.5 ppm at plant dschg

F. Installation Date: ____ / ____ / ____ (MM DD YY)

M. Document spill prevention or containment facilities at the site which will prevent spillage or accidental leaks from entering the well. If possible, locate the map and label. N/A

G. Maintenance Period: _____

N. Attach documentation providing that an adequate confinement barrier or filtration medium exists at this site to protect the local groundwater resources. This should be signed by a registered geologist. N/A

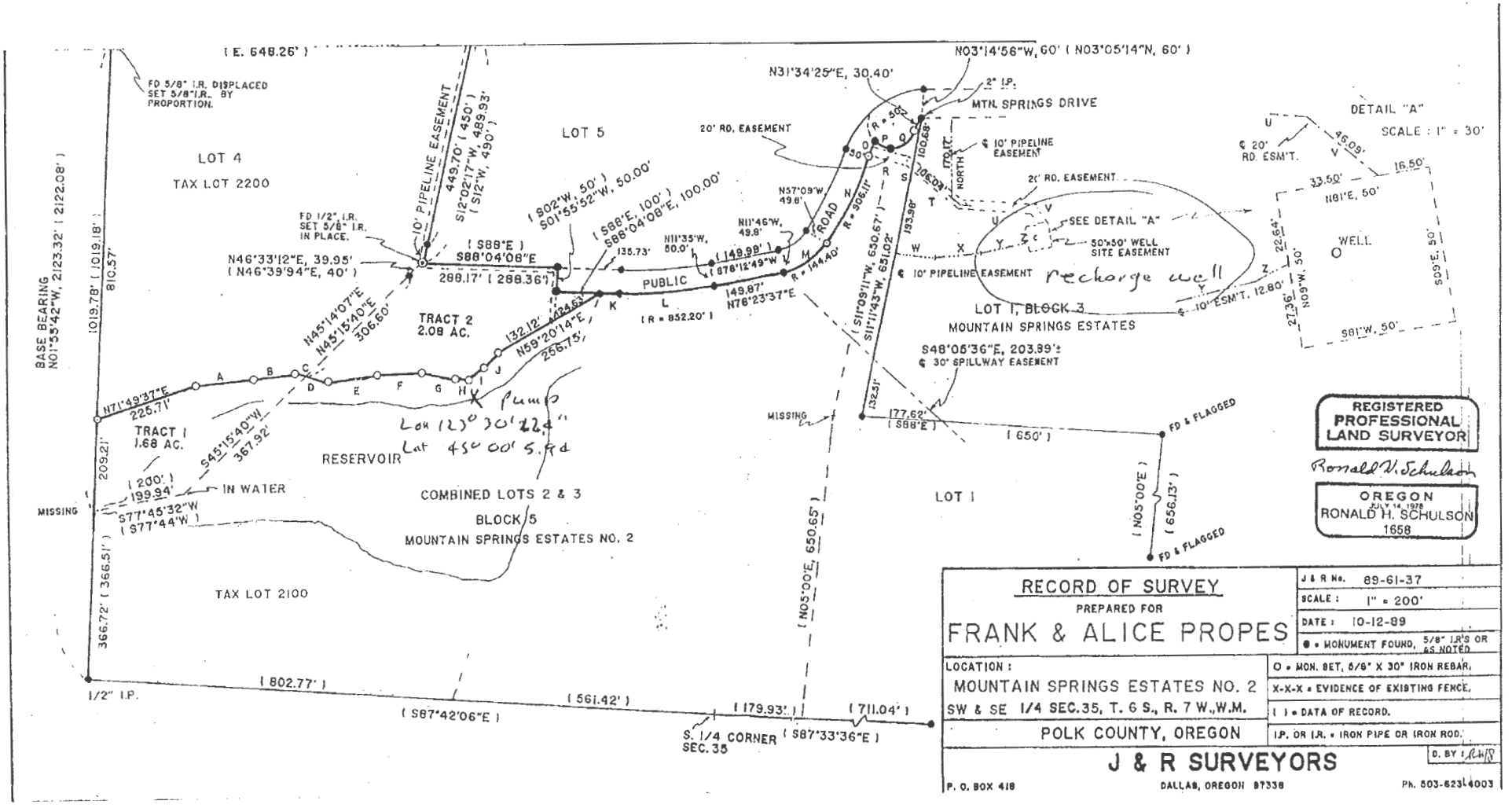
H. Identify the location of this well at the facility with a dot on a map or the line dimension of a subsurface drainfield: _____

O. Provide documentation that attaching to a local system or construction of a surface discharging stormwater sewer is not available and/or practical. N/A

Send to: Barbara Priest
Department of Environmental Quality
811 SW Sixth Avenue
Portland, OR 97204

Questions? Call Barbara Priest at 503-229-5945 FAX: 503-229-6124
UIC Net Site: http://waterquality.deq.state.or.us/wq/uic

PPD\WC14\WC14599.doc (12-2-98)



REGISTERED PROFESSIONAL LAND SURVEYOR

Ronald V. Schulson

OREGON
JULY 14, 1978
RONALD H. SCHULSON
1658

RECORD OF SURVEY

PREPARED FOR

FRANK & ALICE PROPES

J & R No. 89-61-37

SCALE : 1" = 200'

DATE : 10-12-89

● = MONUMENT FOUND, 5/8" I.R'S OR AS NOTED

LOCATION :

MOUNTAIN SPRINGS ESTATES NO. 2

SW & SE 1/4 SEC. 35, T. 6 S., R. 7 W., W.M.

POLK COUNTY, OREGON

O = MON. SET, 5/8" X 30" IRON REBAR.

X-X-X = EVIDENCE OF EXISTING FENCE.

( ) = DATA OF RECORD.

I.P. OR I.R. = IRON PIPE OR IRON ROD.

D. BY : RHS

J & R SURVEYORS

P. O. BOX 418 DALLAS, OREGON 97338 Ph. 503-623-4003

Oregon
John A. Kitzhaber, MD, Governor

Department of Environmental Quality
Northwest Region
2020 SW 4th Ave, Suite 400
Portland, OR 97201-4987
(503) 229-5263
FAX (503) 229-6957
TTY 711

June 27, 2012

Mark Millikan, Board Chairman
Buell-Red Prairie Water District
P.O. Box 367
Sheridan, Oregon 97378

RE: Approval of Aquifer Storage and Recovery/Artificial Recharge (ASR/AR) Injection Systems through Authorization by Rule of Underground Injection Control (UIC) Systems
UIC #: 10296
Site: Well #1
Location: 23275 Mountain Springs Drive, Sheridan, Oregon 97378

Dear Mr. Millikan:

On June 21, 2012 the Department of Environmental Quality (DEQ) received your registration application for an aquifer storage and recovery/artificial recharge facility at Well #1. Your facility meets the requirements for authorization by rule, as provided in Oregon Administrative Rules (OAR) 340-044-0012, and 0018(1) & (4).

The injection activity must not contaminate groundwater, and the injection activity is prohibited if it meets any of the criteria in OAR 340-044-0015.

The following table summarizes your facility's characteristics and status.

Table 1. Authorized Underground Injection Control Systems

UIC # - well #	*EPA Type*	*Type of system*	*Location*
10296-2	5R21	Injection well	Well #1, 23275 Mountain Springs Drive

The injection well must also comply with Water Resources Department (WRD) requirements specified for ASR/AR. Table 2 shows additional regulatory citations applicable to ASR/AR injection wells, including the condition in which the injection well is also used for water supply, or in the case of planned conversion, abandonment, closure or decommission. If you plan to decommission a UIC system, you must submit a Preclosure Notification form for DEQ review, before we can approve the closure. If you use the injection well for a purpose other than that described in the information submitted with the registration application, please contact DEQ's me so I can determine if your authorization remains valid.

Table 2. Additional regulations applicable to Aquifer Storage and Recovery and Artificial Recharge

Purpose or action	*State Agency*	*Regulatory Citation*	*Regulation Title*
ASR/AR	WRD	OAR 690-350	Aquifer Storage and Recovery (ASR) and Artificial Groundwater Recharge
Water supply	WRD	OAR 690-200	Well Construction and Maintenance
		OAR 690-205	Water Supply Well Construction Standards; Licensing
		OAR 690-210	Well Construction Standards

June 19, 2012

Department of Environmental Quality
Attn: Business Office
811 SW 6th Avenue
Portland, OR 97204

RE: UIC Application for Buell-Red Prairie Water District

Enclosed are two copies of an application for the Buell-Red Prairie Water District (District) and a check in the amount of $125.00.

The purpose of this application is to allow the District to recharge potable drinking water into an existing municipal well and then pump the stored water back out for use by the District. This existing well (Well No.1) was drilled by the District in 1979 and has been used by the District under two water right permits issued by the Oregon Department of Water Resources (WRD).

In 1988 the District installed a separate recharge well approximately 1,000 feet from Well No. 1. The purpose of this recharge well has been to allow the District to store potable drinking water in the groundwater aquifer. Water stored in the aquifer is pumped back out using Well No.1, and a second well, Well No.2. The recharge well was registered with the DEQ under UIC Number 10296.

In April of this year the District filed a Water Right Transfer application with the WRD to allow the District to recharge the aquifer using not only the recharge well but also Well No. 1. The District intends to store the same amount of water they have been storing in the recharge well using either the recharge well or Well No. 1. Adding Well No. 1 as a second point of recharge will provide the District with increased flexibility and redundancy to better manage their source of drinking water for the District.

Please contact me by email, phone or mail with any questions about the application.

Sincerely,

Paul L. Eckley, P.E.
579 Juntura Court SE
Salem, OR 97302
(503) 364-8199
pauleckley@comcast.net

DEQ USE ONLY

Received: JUN 21 2012

Amount Received: $ 125
6551

UNDERGROUND INJECTION CONTROL REGISTRATION
Aquifer Storage & Recovery (ASR)

(Submit two copies. See pages 3-4 for detailed instructions.)

Return form with your payment to:
Oregon Department of Environmental Quality
Attn: Business Office
811 SW Sixth Avenue
Portland OR 97204

DEQ DATE STAMP

10296
Registration #: 14723

A. AUTHORIZATION FEE

1. Number of injection systems 1 x $125.00 = $125.00 (Amount enclosed)

B. FACILITY NAME, LOCATION & CONTACT

1. Facility's Legal Name: **Buell-Red Prairie Water District**
2. Common Name: **Well No. 1**
3. Facility Physical Address: **23275 Mountain Springs Drive**
   City, State, Zip Code: **Sheridan OR 97378**
4. Facility Mailing Address: **P.O. Box 367**
   City, State, Zip Code: **Sheridan, OR 97378**
5. Consultant Contact Name: **Paul Eckley**
   Contact Telephone #: **(503) 364-8199**
   Fax #: N/A
6. Responsible Official/Owner Name: **Mark Millikan, Board Chairman**
   Address: **P.O. Box 367**
   City, State, Zip Code: **Sheridan, OR 97378**
7. Latitude (decimal): **45.0041 N** Longitude (decimal): **123.5048 W**

C. FACILITY DESCRIPTION (ATTACH DOCUMENTS AS NEEDED)

1. Oregon Water Resources Dept. Water Site Permit #: G8748 & G13521 Discharge rate: 75 gpm Discharge volume: 61 af/year SIC Code: 4941
2. Briefly describe the nature of business at this site and list the SIC/NAICS codes: Potable Water Supply District (NAICS = 221310)
3. Briefly describe the types of materials, products, and wastes handled at the facility, if any. Attach a copy of the Fire Marshall's survey. N/A If available, note if your site qualifies as a small- or large-quantity generator. Attach & sign the UIC no-exposure certification form: N/A Attached
4. Name of nearest cleanup site within one-half mile, if any (ESCI, LUST, Superfund, CERCLA): None
   Distance to site: N/A X Attach map from DEQ Profiler, http://deq12.deq.state.or.us/fp20/.
5. Land use zoning of facility: Industrial Commercial Residential Other: AR-5 (Polk County)
6. Drinking water source: Surface Water: Gooseneck Creek (River name) or Aquifer: Both
7. Is the site located in a groundwater management area (GWMA), steep slope, known hazard area, or flood plain (circle)? Yes X No
8. Attach nearest drinking water well log (with soil profile) and site maps: X Attached Polk 1536
9. Is this aquifer confined? Yes No X Do Not Know Has Department of Human Services (DHS) delineated this area? Yes X No
   If "YES," attach relevant documentation, such as a vulnerability report and maps from the Oregon Health Division.
10. List any other DEQ or public agency permits applied for or issued to this facility: None
11. DEQ Reviewer/Contact at regional office: David Cole, R.G.

D. SIGNATURE OF LEGALLY AUTHORIZED REPRESENTATIVE

I hereby certify that the information contained in this registration is true and correct to the best of my knowledge and belief.

Name of Legally Authorized Representative (Type or Print) Mark Millikan

Title Board Chair, Buell Red Prairie Water District

X Mark Millikan
Signature of Legally Authorized Representative

June 17 2012
Date

UIC REGISTRATION FOR AQUIFER STORAGE & RECOVERY (ASR) SYSTEMS

Oregon Department of Environmental Quality

(See pages 3 & 4 for detailed instructions)

E. UNDERGROUND INJECTION CONTROL INFORMATION

EPA Well Types

5A19- Cooling Water Return	5R21 -Aquifer Recharge	5W12 Water Treatment Plant Effluent	5X26 Aquifer Remediation
5D2 - Stormwater	5W9 -Untreated Sewage	5W20 Industrial Process Water	5X27 Other Wells
5D4 - Industrial Storm Runoff	5W10 Cesspool	5W31 Septic System (well disposal)	5X28 Motor Vehicle Waste
5G30 Special Drainage Water	5W11 Septic System (gen)	5W32 Septic System (drainfield)	5X29 Abandoned Drinking Well
5A5 - Electric Power Generator	5A6 --Geothermal Heat	5A7 ---Closed Loop Heat Pump Return	5D3--Drill Hole

Complete the information requested below for each UIC system that is at the facility. Attach additional copies of this sheet if necessary. Also attach a facility map that clearly identifies the location of each UIC by name or number.

UIC SYSTEM # or NAME: Well No. 1 **INSTALLATION YEAR:** 1979

1. Latitude (decimal): 45.0041 N
   Longitude (decimal): 123.5048 W
2. Distance to nearest: Domestic/public water well: 0.0 feet
   Wetland: Unknown Other surface water(s): 550 ft to Gooseneck Creek
3. Type: ☐ X 5R21 ☐ Other: ____
4. Status: (see instructions for status definition)
   ☐ Planning stage ☐ X Under construction ☐ Active
   ☐ Not in use ☐ Temporarily Abandoned
   ☐ Note any monitoring:
5. Characteristics:
   Depth: 190 ft Diameter: 8-inches
   Design injection rate: 75 gpm; NTE 61 acre-feet per year
   Location of nearest cleanup site (miles): 3.8miles(Attached Profiler Report)

UIC SYSTEM # or NAME: Recharge Well (UIC No. 10296) **INSTALLATION YEAR:** 1988

1. Latitude (decimal): 45.001 N
   Longitude (decimal): 123.5071 W
2. Distance to nearest: Domestic/public water well: 1,000 ft to Well No.1
   Wetland: Unk Other surface water(s): 350 ft to Gooseneck Creek
3. Type: ☐ X 5R21 ☐ Other:
4. Status: (see instructions for status definition)
   ☐ Planning stage ☐ Under construction ☐ X Active
   ☐ Not in use ☐ Temporarily Abandoned
   ☐ Note any monitoring:
5. Characteristics:
   Depth: 80 ft Diameter: 8-inches
   Design injection rate: 75 gpm, NTE 61 acre-feet per year
   Location of nearest cleanup site (miles): 3.98miles(attached Profiler Report)

UIC SYSTEM # or NAME: N/A **INSTALLATION YEAR:**

1. Latitude (decimal): ____
   Longitude (decimal): ____
2. Distance to nearest: Domestic/public water well: ____
   Wetland: Other surface water(s):
3. Type: ☐ 5R21 ☐ Other: ____
4. Status: (see instructions for status definition)
   ☐ Planning stage ☐ Under construction ☐ Active
   ☐ Not in use ☐ Temporarily Abandoned
   ☐ Note any monitoring:
5. Characteristics:
   Depth: __ ft Diameter: __ ft
   Design injection rate:
   Location of nearest cleanup site (miles):

To expedite the registration of your facility, please fill out this form in its entirety.

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

Polk 1536

State Well No. 6s/7w-35db
State Permit No.

(1) OWNER:
Name Buell - Red Prairie Water Association
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 ☐

(5) CASING INSTALLED: Threaded ☐ Welded ☐
10" Diam. from 18 ft. to +1.0 ft. Gage .250
8" Diam. from 0 ft. to 160 ft. Gage .250
8" Diam. from 180 ft. to 190 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 Stl. irrigator Model No.
Diam. 8" Slot size .100 Set from 160 ft. to 180 ft.
Diam. Slot size Set from ft. to 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.
" " " "
" " " "
air ~~Bailer~~ test 300+ gal./min. with 179 ft. drawdown after 2 hrs.
Artesian flow g.p.m.
Temperature of water Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used Cement grout
Well sealed from land surface to 18 ft.
Diameter of well bore to bottom of seal 18 in.
Diameter of well bore below seal 10 in.
Number of sacks of cement used in well seal 33 sacks
How was cement grout placed? pumped from bottom up.

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:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Polk Driller's well number
NW ¼ SE ¼ Section 35 T. 6S R. 7W. W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.
Depth at which water was first found 153 ft.
Static level 11½ ft. below land surface. Date 6-14-79
Artesian pressure lbs. per square inch. Date

(12) WELL LOG: Diameter of well below casing 10
Depth drilled 190 ft. Depth of completed well 190 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	0	1	
Clay	1	8	
Weathered basalt	8	13	
Basalt	13	25	
Volcanic tuff	25	133	
Sandstone (Grey)	133	147	
Sandstone (Brown)	147	153	
Volcanic tuff (decomposed - red)	153	190	

RECEIVED
JUL 3 1979
WATER RESOURCES DEPT.
SALEM, OREGON

Work started 6-11 1979 Completed 6-14 1979
Date well drilling machine moved off of well 6-17 1979

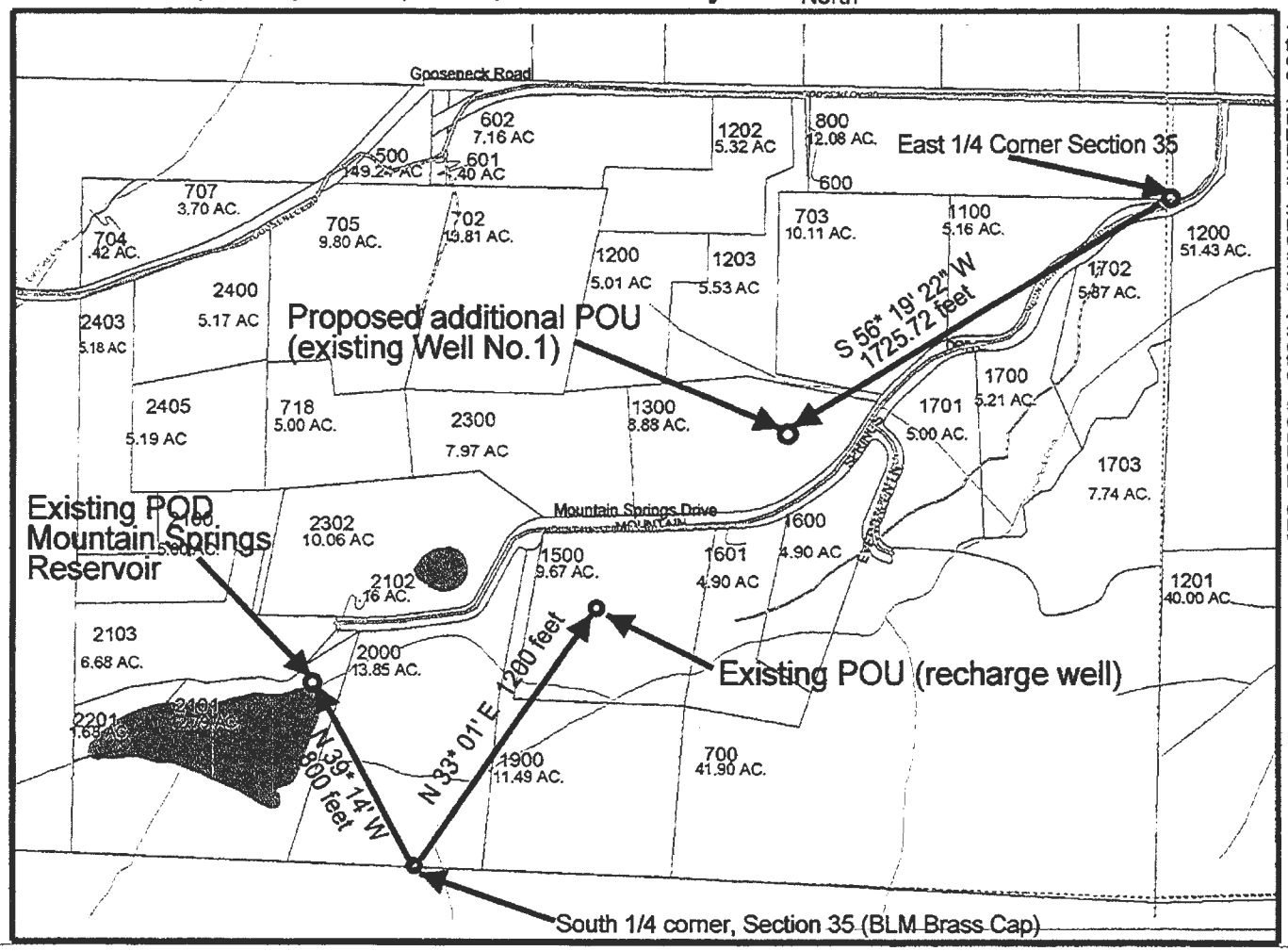
Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Keith M Palmer Date 6-15, 1979
(Drilling Machine Operator)
Drilling Machine Operator's License No. 1330

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 AQUA-TECH Well Construction Inc.
(Person, firm or corporation) (Type or print)
Address 868 Delta Dr. N.E. Salem
[Signed] David Beach
(Water Well Contractor)
Contractor's License No. 696 Date June 28, 1979

Map to Acccompany Transfer Application
For Certificate No. 87392
Section 35, T6S, R7W, WM, Polk County

North

Scale: 1" = 400 feet



1) This map is not intended to provide legal dimensions or locations of property ownership lines.

2) Map prepared for:
Buell Red Prairie Water Dist.
Mark Millikan, Chairman
PO Box 367
Sheridan, OR 97378
503-843-2548

3) Map prepared by:
Paul Eckley
CWRE #415WRE
579 Juntura Court SE
Salem, OR 97302
503-364-8199

4) Location of POD and existing POU (recharge well) from COBU Map for Certificate No. 87392.

5)Location of Well No.1 (additional POU) from map accompanying Permit No. 51165 and confirmed by Paul Eckley.

6) Base map from Polk Count GIS Web Maps v.2.0

Oregon
John A. Kitzhaber, M.D., Governor

Department of Environmental Quality
811 SW Sixth Avenue
Portland, OR 97204-1390
(503) 229-5696
TDD (503) 229-6993

8-Sep-99

Mark Lyon
Buell Red Prairie Water District
6403 Red Prairie Rd.
Sheridan, OR 97378

Dear Mr. Lyon:

Thank you for submitting a registration form for an Underground Injection Control well (UIC). The following table shows your UIC identification number combined with the well information you submitted. Generally, each facility is issued one UIC number; the various wells at that facility are then identified sequentially -1, -2, -3, etc. Please reference this number in future correspondence and retain this letter, or a copy of it, on site should your facility be inspected.

UIC-Well #:	*Status:*	*Class:*	*Type:*	*Location:*
10296-1	Active	V	5R21	ASR

Please note that you are required to do the following:

Update registration information whenever a change of ownership, change of land use, or well closure takes place. Maintain and operate each well to provide protection of groundwater resources. If this facility is sold or rented, notify the next owner about the registered well. In the event a substance is spilled which may contaminate groundwater, contact the closest DEQ regional office and ask for the duty officer:

Portland metro area: (503) 229-5263

Western Oregon:	Eastern Oregon:
Salem: (541) 378-8240	Pendleton: (541) 276-4063
Eugene: (541) 686-7838	Bend: (541) 388-6146
Coos Bay: (541) 269-2721	The Dalles: (541) 298-7255
Roseburg: (541) 440-3338	Hermiston: (541) 567-4741
Grants Pass: (541) 471-2850	Baker City: (541) 523-7998
Medford: (541) 776-6010	

Based on the information you have sent to DEQ, your disposal well has qualified as rule authorized under OAR 340-44. If you have any questions about this letter, please contact Barbara Priest at (503) 229-5945, or toll free inside Oregon at 1-800-452-4011.

Sincerely,

Barbara Priest

Barbara Priest
UIC Coordinator
Water Quality Division

PPD\UIC\WC15355.doc

Oregon
Theodore R. Kulongoski, Governor

Water Resources Department
North Mall Office Building
725 Summer Street NE, Suite A
Salem, OR 97301-1266
503-986-0900
FAX 503-986-0904

May 9, 2008

Buell-Red Prairie Water District
Attn: Mark Millikan
PO Box 367
Sheridan, OR 97378

REFERENCE: File S-66101 (Permit S-51165)

Dear Mr. Millikan,

On March 26, 2008, the Department received an application for an extension of time for Permit S-51165, along with the $350 statutory filing fee.

Upon review of the extension request and a subsequent telephone conversation with Paul Eckley, it appears that an extension of time may not be needed for Permit S-51165. The previous extension extended the date to apply water to full beneficial use under the terms and conditions of the permit to October 1, 1999. According to annual recharge reports submitted by the District, full beneficial use of the rate and volume of water was made in 1992 and 1993. There is also a notice dated July 1, 1998, from the District that a "staff gauge was installed to the satisfaction of Watermaster."

If the District is able to demonstrate that beneficial use of water under the terms and conditions of Permit S-51165 was made prior to October 1, 1999, the District is advised to submit a claim of beneficial use for this permit.

If the District intends to submit a claim of beneficial they may request to withdraw their March 26, 2008 extension of time request, either now, or at such time that a claim of beneficial use is submitted. A withdrawal of the extension will result in a refund of the $350 statutory filing fee.

If the District determines they are not able to demonstrate beneficial use under the terms and conditions of this permit, then please provide details of how beneficial use was not met by October 1, 1999, including any conditions that were not timely met; receiving this information will be key to evaluating the extension request.

Sincerely,

Ann L. Reece
Extension Specialist

Cc: File Application S-66101
Paul Eckley, 579 Juntura Court SE, Salem, OR 97302

Oregon
John A. Kitzhaber, MD, Governor

Water Resources Department
North Mall Office Building
725 Summer St. NE, Suite A
Salem, OR 97301
Phone: 503-986-0900
FAX: 503-986-0904
www.oregon.gov/owrd

September 13, 2012

BUELL RED PRAIRIE WATER DISTRICT
PO BOX 367
6430 RED PRAIRIE RD
SHERIDAN, OR 97378

REFERENCE: Transfer Application T-11390

Enclosed is a copy of the final order approving your water right transfer application.

The time allowed to complete the transfer is specified in the final order. YOU SHOULD GIVE PARTICULAR ATTENTION TO THE TIME LIMIT. The water right for any portion of the authorized change in character of use or change in place of use NOT carried out within the time allowed will be lost.

An extension of the time limit can be allowed only upon a showing that diligent effort has been made to complete the actual change(s) within the time allowed.

You are required to hire a Certified Water Rights Examiner (CWRE) to complete a Claim of Beneficial Use report and map which must be submitted to this Department within one year of the date you complete the change(s) or within one year of the completion date authorized in the transfer final order, whichever occurs first.

If you have any questions related to the approval of this transfer, you may contact your caseworker, Kelly Starnes, by telephone at (503) 986-0886 or by e-mail at Patrick.K.Starnes @wrd.state.or.us.

Sincerely,

C Holmes

Codi Holmes
Water Right Services Support
Transfers and Conservation Section

cc: Mike L. McCord, Watermaster Dist. #16

Enclosure

BEFORE THE WATER RESOURCES DEPARTMENT
OF THE
STATE OF OREGON

In the Matter of Transfer Application T-11390, Polk County	)))	FINAL ORDER APPROVING A CHANGE IN PLACE OF USE

Authority

ORS 540.505 to 540.580 establishes the process in which a water right holder may submit a request to transfer the point of diversion, place of use, or character of use authorized under an existing water right. OAR Chapter 690, Division 380 implements the statutes and provides the Department's procedures and criteria for evaluating transfer applications.

Applicant

BUELL RED PRAIRIE WATER DISTRICT
MARK MILLIKAN
PO BOX 367
SHERIDAN, OR 97378

Findings of Fact

Background

1. On April 2, 2012, BUELL RED PRAIRIE WATER DISTRICT filed an application to change the place of use under Certificate 87392. The Department assigned the application number T-11390.

2. The right to be transferred is as follows:

Certificate:	87392 in the name of BUELL RED PRAIRIE WATER DISTRICT (perfected under Permit S-51165)
Use:	GROUND WATER RECHARGE
Priority Date:	JUNE 8, 1984
Rate/Limit:	75.0 gallons per minute not to exceed 61.0 acre-feet each recharge period/year.
Period of Use:	OCTOBER 1 THROUGH MAY 31
Source:	GOOSENECK CREEK, tributary to MILL CREEK

This final order is subject to judicial review by the Court of Appeals under ORS 183.482. Any petition for judicial review must be filed within the 60-day time period specified by ORS 183.482(1). Pursuant to ORS 536.075 and OAR 137-003-0675, you may 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.

Authorized Point of Diversion:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
6 S	7 W	WM	35	SE SW	NORTH 39° 14' WEST 800 FEET FROM THE S¼ CORNER OF SECTION 35

Authorized Place of Use (Recharge Well):

GROUND WATER RECHARGE				
Twp	Rng	Mer	Sec	Q-Q
6 S	7 W	WM	35	SW SE

3. Transfer Application T-11390 proposes to change the place of use of the right (add one additional recharge well) to:

GROUND WATER RECHARGE				
Twp	Rng	Mer	Sec	Q-Q
6 S	7 W	WM	35	NW SE
6 S	7 W	WM	35	SW SE

4. Notice of the application for transfer was published on April 10, 2012, pursuant to OAR 690-380-4000. No comments were filed in response to the notice.

5. On July 16, 2012, the Department sent a copy of the draft Preliminary Determination proposing to approve Transfer Application T-11390 to the applicant. The draft Preliminary Determination cover letter set forth a deadline of August 15, 2012, for the applicant to respond. The applicant requested that the Department proceed with issuance of a Preliminary Determination.

6. On July 25, 2012, the Department issued a Preliminary Determination proposing to approve Transfer Application T-11390 and sent a copy to the applicant. Additionally, notice of the Preliminary Determination for the transfer application was published on the Department's weekly notice on July 31, 2012 pursuant to ORS 540.520 and OAR 690-380-4020. No protests were filed in response to the notice.

Transfer Review Criteria [OAR 690-380-4010(2)]

7. Water has been used within the last five years. There is no information in the record that would demonstrate that the right is subject to forfeiture under ORS 540.610.

8. A pump, pipeline, and delivery system sufficient to use the full amount of water allowed under the existing right were present within the five-year period prior to submittal of Transfer Application T-11390.

9. The proposed change would not result in enlargement of the right.

10. The proposed change would not result in injury to other water rights.

11. The new injection well must be registered with the Oregon Department of Environmental Quality's Underground Injection (UIC) Program before the well can be authorized for injection use.

Conclusions of Law

The change in place of use proposed in Transfer Application T-11390 is consistent with the requirements of ORS 540.505 to 540.580 and OAR 690-380-5000.

Now, therefore, it is ORDERED:

1. The change in place of use proposed in Transfer Application T-11390 is approved.

2. The right to the use of the water is restricted to beneficial use at the place of use described, and is subject to all other conditions and limitations contained in Certificate 87392 and any related decree.

3. Water right certificate 87392 is cancelled.

4. Prior to injection of water at the proposed well, the well must be registered with Oregon Department of Environmental Quality's Underground Injection (UIC) program.

5. Full beneficial use of the water shall be made, consistent with the terms of this order, on or before **October 1, 2017**. A Claim of Beneficial Use prepared by a Certified Water Right Examiner shall be submitted by the applicant to the Department within one year after the deadline for completion of the change and full beneficial use of the water.

6. After satisfactory proof of beneficial use is received, a new certificate confirming the right transferred will be issued.

Dated at Salem, Oregon this 7 day of September, 2012.

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

Mailing date: SEP 14 2012

Buell Red Prairie Water District
6430 Red Prairie Rd.
Sheridan OR 97378
ph. 843-2675

STATE OF OREGON

COUNTY OF POLK

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

ASSIGNED

BUELL-RED PRAIRIE DOMESTIC WATER ASSOCIATION (ASSOCIATION)
6890 FRANK ROAD 503-843-2218
SHERIDAN, OREGON 97378

to use the waters of GOOSENECK CREEK, a tributary of MILL CREEK, for GROUNDWATER RECHARGE. The permit to use these waters is issued under Application 66101. The date of priority is JUNE 8, 1984. The use is limited to the period from October 1 through May 31, not more than 75.0 GALLONS PER MINUTE, and not to exceed 61.0 ACRE-FEET each recharge period/year, measured at the point of diversion.

The point of diversion is located as follows:

SE 1/4 SW 1/4, Section 35, T 6 S, R 7 W, W.M.; North 59 Degrees, 25 Minutes West, 1121 feet from S 1/4 corner Section 35.

The permittee shall appropriate water from Gooseneck Creek only when the following instream flows in cubic feet per second are maintained at the mouth of Gooseneck Creek:

OCTOBER	NOVEMBER THROUGH MAY
1.0	10.0

yes

The water user shall install and maintain an in-line flow meter, weir, or other suitable device, of a type and at a location to be approved by the watermaster, for measuring or recording the above instream flows.

no

The use of water allowed under this permit shall conform to such reasonable rotation system as may be ordered by the proper state officer. ? - Delete yes

The place of use is the recharge well which is located as follows:

SW 1/4 SE 1/4
SECTION 35
TOWNSHIP 6 SOUTH, RANGE 7 WEST, W.M.

This permit is also subject to the following conditions:

(Evidenced by Annual recharge Reports 1992-1993 - COBU P6.8 (4) -

yes

1. Meters: The permittee shall meter the water withdrawn at the diversion and meter the water injected into the recharge well.

yes

2. Records, inspections: The permittee shall keep accurate and current records of daily metered values, water levels and other operational information. The Water Resources Director (Director) may inspect the records and works covered by this permit upon one day notice and at any reasonable time.

yes

3. Estimated data: When data are missing in whole or in part, the Director may make estimates from available data. Those estimates shall be reasonable and, where a range of uncertainty exists, conservatively low on water delivered to the place of recharge.

yes

4. Water level monitoring: Once each year between April 1 and June 1, the permittee shall measure and record the depth to water below land surface in each of the following wells to 1 foot accuracy. Prior to the determinations, recharge and pumping shall be suspended by the permittee for at least seven days. Two of the wells are not controlled by the Association, however the permittee shall attempt to cooperate with the other owners to obtain these measurements. - Check w/Jen Woody -

Well Location	Common Name	Remarks
T6S/R7W-35db	Buell-Red Prairie #1	
T6S/R7W-35da	Buell-Red Prairie #2	
T6S/R7W-35dc	Recharge Well	
T6S/R7W-35ca	Mike Propes Well	Not controlled by Association
T6S/R7W-35db	Villager Well	Not controlled by Association

5. Target water levels in key wells: This permit designates two existing wells as key wells in the water level monitoring program. As determined between April 1 and June 1 of each year, actual water levels at these wells shall be compared to the target levels to determine allowable use as indicated under the allowable use of stored water condition. Key wells and associated target levels are:

Key Wells

		Target Levels (feet below Land Surface Datum)	
Well Location	Common Name	Upper	Lower
T6S/R7W-35db	Buell-Red Prairie #1	25	125
T6S/R7W-35dc	Recharge Well	0	50

Check this out - Report #36 -

6. Storage account for the determination of stored recharge water: The Water Resources Department (WRD) shall make final determinations on stored groundwater. This shall occur through a storage account which covers this permit. The storage account shall be based on recharge and secondary permit withdrawals over only the preceding five recharge years. For this permit, the recharge year is the period from June 1 through May 31 of each year. It shall be credited at 80% of water metered to the place of recharge. Withdrawals of stored water shall be debited at 100% of metered values at wells covered by a secondary permit(s). The debit applies to that portion of withdrawals which are in excess of the permittee's natural water pumpage of 5 million gallons annually under Permit G-8748. The permittee may obtain information on the storage account from the WRD by submitting a written request.

7. Allowable use of stored recharge water: The availability of recharge water stored under this permit is based on the priority of secondary groundwater rights and the allowable use of stored recharge water. The allowable use of stored recharge water during any water year falls into 3 categories. For ease of reference, these categories are named as color zones.

(A) Green zone: If recent water levels as determined between April 1 and June 1 at the two (2) key wells are above the upper target levels, use is allowed up to the maximum of the storage account.

(B) Yellow zone: If neither Green zone nor Red zone water levels prevail, use is allowed up to 80 percent of the recharge volume for the preceding 12 months.

(C) Red zone: If recent water levels as determined between April 1 and June 1 at two (2) key wells are below the lower target levels, no use of recharged water is allowed the following recharge year.

8. Permit assignment: A potential assignee shall prove, to the Director's satisfaction, the financial capability to ~~construct uncompleted portions of, and~~ operate the project authorized by the ~~permit.~~ right

9. Mitigating unforseen effects:

(A) If, under actual operation of the recharge project, the Director notifies the permittee that the Director has reason to believe there are adverse groundwater quantity or quality effects, the permittee shall cease recharge activities. No further diversion shall be made until measures to prevent, correct or monitor those adverse effects have been agreed to and implemented.

(B) If, in the judgement of the Director, project performance or other hydrologic circumstances indicate that provision(s) in this permit are an unnecessary hardship, or are either inappropriate or inadequate to monitor or manage the quantity or protect the quality of the groundwater resource, the Director may modify target water levels, key wells, the storage account credit factor, the storage account, or any other term of this permit as necessary to remedy the deficiencies.

10. Technical oversight: The ~~construction and~~ operation of the recharge project shall be overseen by a professional registered civil engineer(s) licensed to practice in Oregon.

11. Other state or federal agency requirements:

The following conditions are notices of requirements of other Oregon state agencies. The permittee shall correspond directly with each agency regarding monitoring, reporting and any other requirements. Reports shall only be submitted to the requiring agency, unless otherwise specified herein.

The WRD will enforce these conditions in a manner similar to other conditions in this permit but only upon notice of noncompliance and request for enforcement from the responsible agencies.

Conditions 11(A) and (B) shall remain in effect unless and until WRD receives a written agreement signed by the permittee and responsible agencies to modify the conditions.

(A) The permittee shall comply with the requirements of the Oregon State Health Division.

(B) The permittee shall provide appropriate groundwater quality protection as specified by the Oregon Department of Environmental Quality (DEQ). The DEQ monitoring and sampling plan for this project was submitted to the WRD by letter of January 18, 1991, and is, by reference, included as part of this permit.

12. Water conservation program: Within one year from the date the Water Resources Commission adopts rules describing the schedules, standards and procedures for water management plans by water suppliers, the Association shall submit a plan which is consistent with the rules.

13. Annual and other reports:

(A) The permittee shall submit an annual report to the WRD and any secondary permittee by June 15 of each year. That report shall include the range of diversion and recharge rates and total quantities diverted and recharged during the prior recharge year (ending May 31) as metered under conditions 1, 2, and 3. In addition, the report shall include the water level data from condition 4, the permittee's estimate of the storage account under condition 6, a brief narrative describing operational factors related to the recharge project and conditions 8, 9, 10, ~~12~~, and a list of the dates of any reports submitted to other agencies under condition 11.

(B) The permittee shall submit, as scheduled, any reports required by other agencies as specified under condition 11.

The wells shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works constructed shall include an air line and pressure gauge or an access port for measuring line, adequate to determine water level elevation in the well at all times.

This development was reviewed and approved by the Water Resources Commission on FEBRUARY 1, 1991.

Actual construction work shall begin on or before February 4, 1992 , and shall be completed on or before October 1, 1992. Complete application of the water to the use shall be made on or before October 1, 1993.

This permit is for the beneficial use of water without waste. By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

Issued this date, FEBRUARY 4, 1991.

/s/ WILLIAM H. YOUNG

Water Resources Department
William H. Young
Director

Irrigation	Water Systems	Domestic
Waste Water	Electrical Design	Industrial
Sewage	Telemetry & Controls	Municipal
	Pumps	

STETTLER SUPPLY COMPANY

EDWARD BUTTS, P.E.
Chief Engineer
(503) 585-5573

1810 Lana Ave. N.E.
Salem, OR 97303
(503) 585-5550

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the
WATER RESOURCES DEPARTMENT
SALEM, OREGON 97310
within 30 days from the date of well completion.

RECEIVED
MAR 13 1978
WATER RESOURCES DEPT
SALEM, OREGON

WATER WELL REPORT
STATE OF OREGON

(Please type or print) (Do not write above this line)

State Well No. 6S/7W-35
State Permit No.

Polk 1537

(1) OWNER:
Name Frank Props
Address Rt 7 Box 227
Sheridan Oregon

(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 ☑
0 to 1 " Diam. from 0 ft. to 28 ft. Gage .250
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

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. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to 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.
" " "
" " "
Air Bailer test 300 gal./min. with 60 ft. drawdown after 1 hrs.
Artesian flow 7 g.p.m.
Temperature of water Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used Cement Grout
Well sealed from land surface to 28 ft.
Diameter of well bore to bottom of seal 14 in.
Diameter of well bore below seal 10 in.
Number of sacks of cement used in well seal 10 sacks
How was cement grout placed? Pressure Grout
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:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Polk Driller's well number
¼ ¼ Section 35 T. 6S R. 7W W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.
Depth at which water was first found 34 ft.
Static level ft. below land surface. Date
Artesian pressure 0 lbs. per square inch. Date 3-6-78

(12) WELL LOG:
Diameter of well below casing 10
Depth drilled 80 ft. Depth of completed well 77 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
Soil	0	1	
Clay Yell	1	13	
Clay Stone	13	34	
Clay Stone Broken		80	

Work started 3-1- 19 78 Completed 3-3 1978
Date well drilling machine moved off of well 3-3 1978

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] Lonnie H Brandt (Drilling Machine Operator) Date 3-6, 1978
Drilling Machine Operator's License No. 709

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 EOLA WELL DRILLING (Person, firm or corporation) (Type or print)
Address 4510 DALLAS RD. N.W. SALEM, OR. 97304
[Signed] Lonnie H Brandt (Water Well Contractor)
Contractor's License No. 619 Date 3-6-, 1978

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*45656-119

POLK 51663

Polk 51663

Well I.D.# L 55485

(START CARD) # 61519

STATE OF OREGON
WATER WELL REPORT
(as required by ORS 537.765)

(1) OWNER: Well Number

Name Buell - Red Prairie Water District

Address 6430 Red Prairie Rd

City Sheridan State Ore Zip 97378

(2) TYPE OF WORK:

☐ New Well ☑ Deepen ☑ Recondition ☐ Abandon

(3) DRILL METHOD:

☐ Rotary Air ☐ Rotary Mud ☑ Cable

☐ Other

(4) PROPOSED USE:

☐ Domestic ☐ Community ☐ Industrial ☐ Irrigation

☐ Thermal ☑ Injection ☐ Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval ☐ Yes ☐ No Depth of Completed Well 80 ft.

Explosives used ☐ Yes ☑ No Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks or pounds
10"	77'	80'				

How was seal placed: Method ☐ A ☐ B ☐ C ☐ D ☐ E

☐ Other

Backfill placed from ft. to ft. Material

Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:	8"	-1'	80'	160#	☐	☑	☑	☐
					☐	☐	☐	☐

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:

☑ Perforations Method Abrasive Saw-Skillsaw

☐ Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
30'	70'	½"x8"	228			☐	☑
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour

☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
			1 hr.
	N		

Temperature of Water Depth Artesian Flow Found

Was a water analysis done? ☐ Yes By whom

Did any strata contain water not suitable for intended use? ☐ Too little

☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other

Depth of strata:

(9) LOCATION OF WELL by legal description:

County Polk Latitude Longitude

Township 6S N or S. Range 7W E or W. WM.

Section 35 SW ¼ SE ¼

Tax Lot 1500 Lot Block Subdivision

Street Address of Well (or nearest address) Near 23355 Mt. Springs Rd Sheridan Ore

(10) STATIC WATER LEVEL:

NC ft. below land surface. Date May 5, '03

Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:

Depth at which water was first found N

From	To	Estimated Flow Rate	SWL
	A		

(12) WELL LOG:

Ground elevation

Material	From	To	SWL
Blue Clay stone	77	80	

RECEIVED
JUN - 6 2003
WATER RESOURCES DEPT
SALEM, OREGON

RECEIVED
MAY 21 2003
WATER RESOURCES DEPT.
SALEM, OREGON

Date started MAY 5, 2003 Completed MAY 6, '03

(unbonded) Water Well Constructor Certification:

I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief.

WWC Number

Signed Date

(bonded) Water Well Constructor Certification:

I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 633

Signed Michael Walthop Date MAY 20, '03

ORIGINAL & FIRST COPY - WATER RESOURCES DEPARTMENT SECOND COPY - CONSTRUCTOR THIRD COPY - CUSTOMER 9809C 10/91

POLK 53160

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765 & OAR 690-205-0210)

WELL LABEL # L 55485

START CARD # 206232

(1) LAND OWNER

Owner Well I.D. _____

First Name _____ Last Name _____

Company Buell-Red Prairie Water District

Address 6430 Red Prairie Rd.

City Sheridan State OR Zip 97378

(2) TYPE OF WORK

☐ New Well ☐ Deepening ☐ Conversion
☒ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD

☐ Rotary Air ☐ Rotary Mud ☐ Cable ☐ Auger ☐ Cable Mud
☐ Reverse Rotary ☒ Other Pump Hoist

(4) PROPOSED USE

☐ Domestic ☐ Irrigation ☐ Community
☐ Industrial/ Commericial ☐ Livestock ☐ Dewatering
☐ Thermal ☒ Injection ☐ Other _____

(5) BORE HOLE CONSTRUCTION

Special Standard ☐ (Attach copy)

Depth of Completed Well 80 ft.

BORE HOLE Dia	From	To	SEAL Material	From	To	Amt	sacks/ lbs

How was seal placed: Method ☐ A ☐ B ☐ C ☐ D ☐ E

☐ Other _____

Backfill placed from _____ ft. to _____ ft. Material _____

Filter pack from _____ ft. to _____ ft. Material _____ Size _____

Explosives used: ☐ Yes Type _____ Amount _____

(6) CASING/LINER

Casing	Liner	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
○	◉	8		-3	80	#160	○	◉		

Shoe ☐ Inside ☐ Outside ☐ Other Location of shoe(s) _____

Temp casing ☐ Yes Dia _____ From _____ To _____

(7) PERFORATIONS/SCREENS

Perforations Method _____

Screens Type _____ Material _____

Perf/Screen	Casing/ Liner	Screen Dia	From	To	Scrn/slot width	Slot length	# of slots	Tele/ pipe size
	N/A							

(8) WELL TESTS: Minimum testing time is 1 hour

○ Pump ○ Bailer ○ Air ○ Flowing Artesian

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)
N/A			

Temperature N/A °F Lab analysis ☐ Yes By _____

Water quality concerns? ☐ Yes (describe below)

From	To	Description	Amount	Units

(9) LOCATION OF WELL (legal description)

County POLK Twp 6 S N/S Range 7 W E/W WM

Sec 35 SW 1/4 of the SE 1/4 Tax Lot 1500

Tax Map Number _____ Lot _____

Lat ° ' " or _____ DMS or DD

Long ° ' " or _____ DMS or DD

◉ Street address of well ○ Nearest address

23355 Mt. Springs Road Sheridan, OR

(10) STATIC WATER LEVEL

	Date	SWL(psi)	+	SWL(ft)
Existing Well / Predeepening				
Completed Well	04-04-2011			9

Flowing Artesian? ☐ Dry Hole? ☐

WATER BEARING ZONES Depth water was first found _____

SWL Date	From	To	Est Flow	SWL(psi)	+	SWL(ft)
N/A						

(11) WELL LOG

Ground Elevation _____

Material	From	To
Removed 3 ft. of 8 in. well liner so a pitless adapter could be installed. Well had approx. 4 ft. of material at bottom of well. Measured to 76 ft. from ground level; however, liner went back to 80 ft.		

RECEIVED
APR 14 2011
WATER RESOURCES DEPT
SALEM, OREGON

Date Started 04-04-2011 Completed 04-04-2011

(unbonded) Water Well Constructor Certification

I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

License Number 1903 Date 04-07-2011

Password : (if filing electronically) _____

Signed _____

(bonded) Water Well Constructor Certification

I accept responsibility for the construction, deepening, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.

License Number 1273 Date 04-07-2011

Password : (if filing electronically) _____

Signed Floyd Sipp

Contact Info (optional) _____

ORIGINAL - WATER RESOURCES DEPARTMENT

THIS REPORT MUST BE SUBMITTED TO THE WATER RESOURCES DEPARTMENT WITHIN 30 DAYS OF COMPLETION OF WORK

Form Version 0.95

Oregon Water Resources Department
725 Summer St NE, Suite A
Salem, OR 97301

MEMORANDUM

To: File S-66101, Buell-Red Prairie AR Permit DATE: 12/30/2011
From: Jen Woody, Hydrogeologist
SUBJECT: Buell-Red Prairie AR certification for App #S-66101, Permit 51165

In response to the pending Certification of Buell-Red Prairie's AR Permit, I have reviewed the permit conditions and the annual reports on file with the Department. I offer the following comments.

1. Water level monitoring is thin. In an average year, 2 out of 5 of the monitoring wells required by the permit are measured. Three of these wells are owned by the district and should be measured. Measurements are to be collected between April 1 and June 1. More often than not they are collected in mid- June. Water levels are lower than the green zone in recent years (see attached graphs). If measurements occurred in April or May, water levels would be higher, but it's unknown if they would fall into the designated green zones. However, given the information we have, it appears the annual water levels have roughly reached a new equilibrium that is below pre-development, but remains relatively stable at current use and recharge.

2. Reports from 2005 to 2009 are missing.

3. There is not a clear notation in the file regarding how the green, yellow and red zones were defined. However, green zones correspond with water levels reported on the well logs at the time of drilling. This is logical, because water levels at the time of drilling would approximate pre-development conditions, assuming they were accurate measurements. The recharge well was a flowing well before use began and for about a decade after drilling according to annual reports, but it has not recovered flowing artesian pressure since 1995. Water levels measured at the expected annual high that are at or above predevelopment levels would demonstrate stored water is available to the wells. I imagine at the time of permit issuance, the thinking was to test it out and adjust as needed.

4. The applicant requested an adjustment to the green zone definition for well # 1 (see 12/21/2011 email from Paul Eckley, CWRE). Stronger monitoring and reporting would make this an easier call. But, the green zone measurement being based on the well log places a lot of weight on a questionable measurement. I'm supportive of bringing well #1 upper target level to 55 feet BLS and the recharge well's upper target level to 15 feet BLS, based on reported annual measurements. This provides access to the full storage account in some years. **If we change the zones in the recharge certificate, do we also need to do it in the recovery permit?** These authorizations come in pairs.

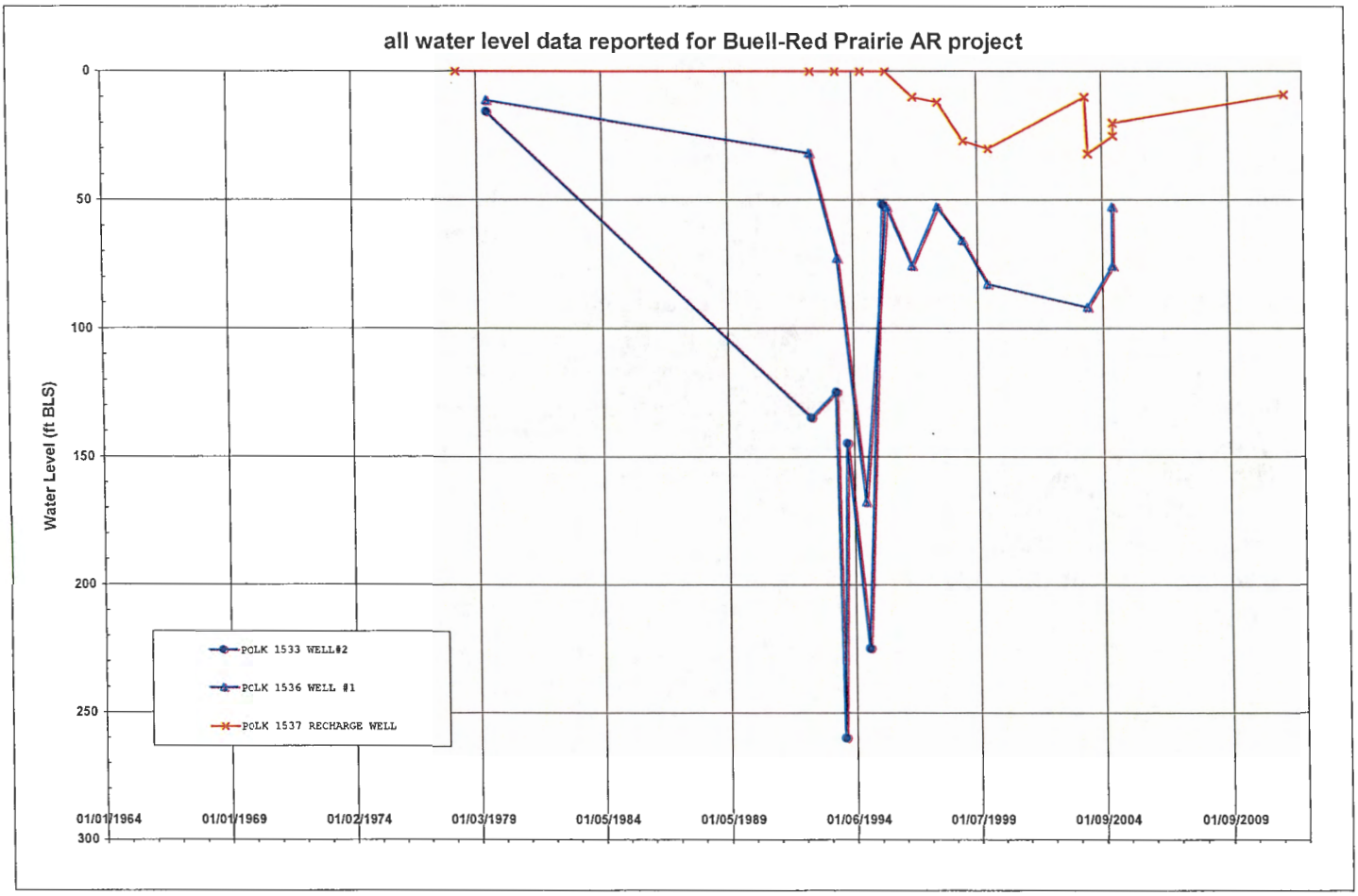
5. The applicant also requested to rely on Well #1 water levels to determine the availability of stored water, because the recharge well is difficult to measure. If the recharge well is hard to measure, what exactly is the issue? Is there an access port? Is the pressure gage on a faulty airline? Does a manual probe get hung up? How about installing a measuring tube and being done with it? Does the well's artesian

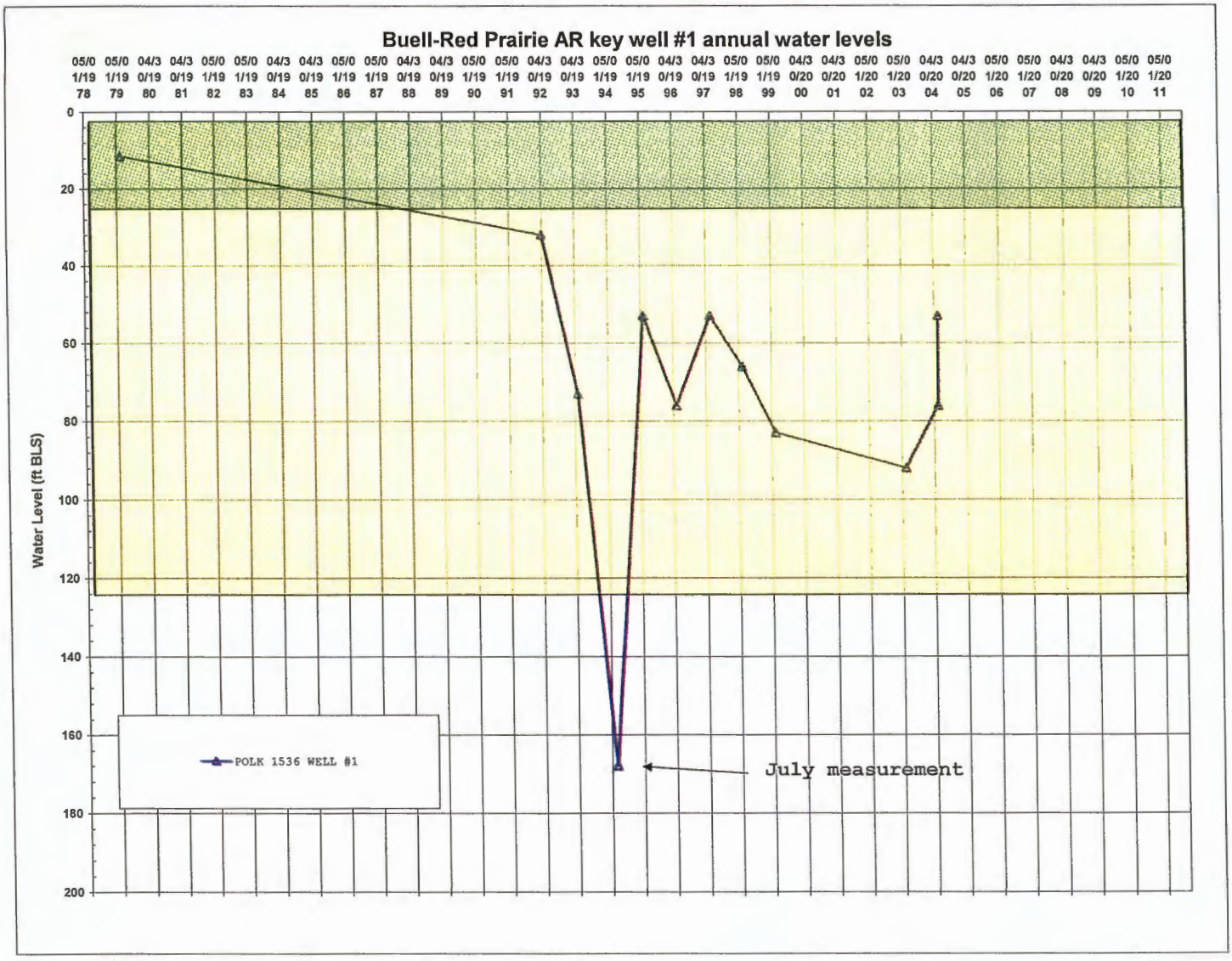
pressure get about land surface ever anymore? I'd ask for more information and/or propose a site visit to help come up with a solution. Perhaps replacing the recharge well with well #2 would make sense, if there were historical data at that well to demonstrate it is reasonable. However, we have very little data on file for Well #2. In my opinion, the permit stage of the project is the time to test out such matters, and collect information to support such changes. Again, monitoring and reporting fall short.

6. For these reasons, I recommend the following of actions. First, adjust the target levels (in feet below land surface) for the key wells to:

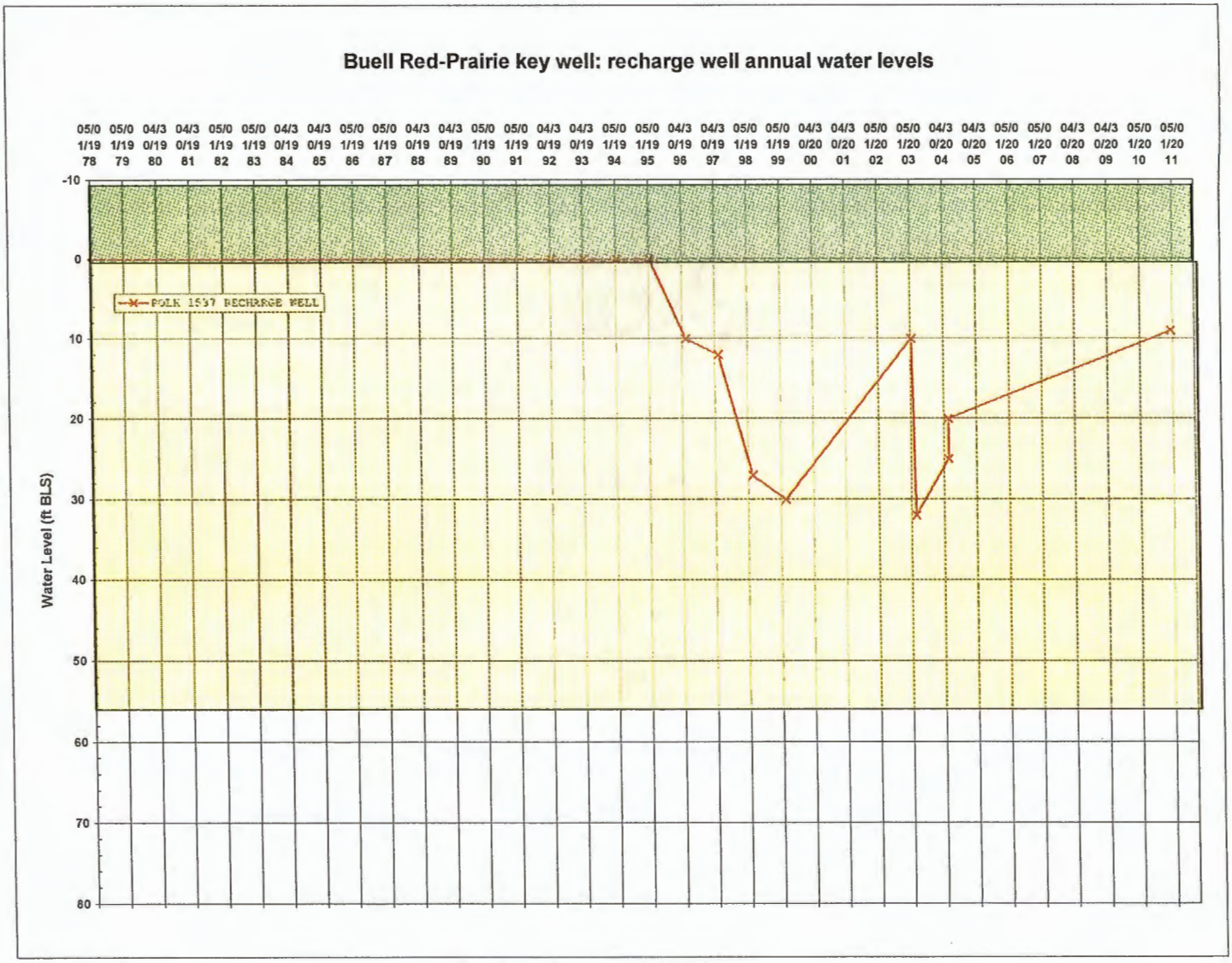
Well name	upper	lower
Buell-Red Prairie #1	55	125
Recharge Well	15	50

Second, request more information about the measurement problems at the recharge well. See #5.
Third, address the ramifications of changing the zone definitions in this certificate but not in the recovery permit G-13521 (app G 12608).
Fourth, request the missing annual reports be submitted ASAP.





Green and yellow zones as currently defined in the permit.



Green and yellow zones are currently defined in the permit.

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

July 11, 2005

Mark Lyon
Buell Red Prairie Water District
Box 367
Sheridan, OR 97378

RE: Permit 51165

Dear Mark:

Thank you for your reporting on the recharge project. The reporting has been pretty good but, on review, I need to point out some areas for improvement.

The copy of the recharge permit contains the monitoring and sampling plan. I have highlighted certain areas. In item 1, the total dissolved solids should be reported two times per year. In the past it was reported once per year. Also the inorganic chemical manganese should be reported annually. In recent years, magnesium has been reported instead. Item 2 of the monitoring and sampling plan speaks to analyzing the recharge water for organic chemicals and regulated volatile organic compounds. It appears that this has not been done.

Thank you for your attention to these areas in future reporting. Please contact me if you have questions at 503.986.0845.

Sincerely,

Donn Miller
Hydrogeologist

Cc: File 66101

reverse Chronological order

Annual Recharge reports as per permit condition

STATE OF OREGON
Water Resources Department
725 Summer St. NE, Suite A
Salem, OR 97301

MEMORANDUM

TO: Buell-Red Prairie Water District AR Files DATE: 7/18/2013
FROM: Jen Woody
SUBJECT: Annual Report Revision Recharge Year 2012-2013

Background
I met with the new Water District operator (Corey Lane 503-843-2882) yesterday, to visit the site for my education and to discuss the District's AR authorizations, monitoring and reporting. He does not have complete records from the previous operator and is seeking advice on reporting. After reviewing the file, I noted some errors in the storage accounting have occurred over time. When those errors are corrected, the District has stored more water than they have recovered, so I do not see a threat to the resource. It's a bookkeeping issue. My advice to the District was to rework the annual report format for next year's report, and not to try to revise all the past reports. The main point of confusion seems to be how to incorporate the native groundwater right into the accounting scheme. Back when the project began, in the early 1990s, the District was using on the order of 20 MG annually. The native groundwater right is 5 MG annually so they regularly used AR stored water when they pumped more than 5 MG. In recent years, the district has pumped less than 5 MG of groundwater in total. So anything injected should be credited toward the storage account. They seem to have also added the native groundwater allotment into the residual storage account, but that water cannot be "banked" like injected water. The native groundwater right, with a per year limit, is only available for one year. I have reviewed the most recent report, and revised the accounting to correct this inadvertent error. It required several attempts to determine the correct accounting procedure. What follows is my best estimate of the storage account associated with Certificate 87392, T-11390 and Permit G-3521. It is the balance as of May 31, 2013. If future information indicates a better estimate, we will revise as necessary.

WRD Estimate of Storage account:

Year	Recharge MG	% Credited	Credited Recharge MG	Discharge from Well MG	Annual Native Groundwater Credit	Credited Discharge (Pumpage over Native GW Credit)	Residual MG
2009	6,485,700	0.80	5,188,560	3,176,100	5MG	0	5,188,560
2010	5,378,300	0.80	4,302,640	1,684,800	5MG	0	4,302,640
2011	0	0.80	0	3,680,300	5MG	0	0
2012	0	0.80	0	4,325,651	5MG	0	0
2013	1,453,900	0.80	1,163,120	1,789,500	0MG	1,789,500	-626,380
5 year total			10,654,320			1,789,500	8,864,820

Credited Recharge MG - Pumpage over native groundwater credit = Residual Storage MG

= 10,654,320 - 1,789,500 = **8,864,820 MG** Residual Storage

Annual Recharge Report to the Oregon Water Resources Department
By: Buell Red Prairie Water District
Recharge Year: 2012-2013
As required by Permit 51165, Certificate 87392, T-11390
(This covers the time period of June 1st through May 31st and is due June 15th each year.)

Discharges during the year:

	To Recharge Well
Total In Gallons	1,453,900
Max Rate in gpm	40
Min Rate in gpm	20

General Operations review during the water year:
New plant is working good and the New ASR recharge was constructed and put into service. We filled the well to 23 feet and shut it off. We should have a very good number as far as recharged versus discharged this year.

Estimate of Storage account at end of year:

This value is equal to 80% of the recharge over the last 5 years minus the sum of the two well discharges less 5 million gallons of natural water over the last 4 years.

Year	Recharge		Credited recharge		discharge from wells	Add Credit	Residual
2009	6,485,700	x .80	5,188,560	–	3,176,100	5,000,000	7,012,460
2010	5,378,300	x .80	4,302,640		1,684,800	5,000,000	7,617,840
2011	-	x .80	-		3,680,300	5,000,000	1,319,700
2012	-	x.80	-		4,325,651	5,000,000	674,349
2013	1,453,900	x.80	1,163,120		1,789,500		(626,380)
			10,654,320	Minus	14,656,351	20,000,000	15,997,969

10,654,320-14,656,351+20,000,000=15,997,969

Water Levels at Monitoring Wells: to be collected between April 1 and June 1, once per year.

	Recent Water Levels (feet Below Land Surface)			Relationship of Recent Measurement to Target Water levels		
	Upper Target	Lower Target	Recent Measurement and Date	Above Upper	Below Lower	Between Both
Buell Red Prairie #1 (Key)	25	125	_____	23__	92__	58__
Buell Red Prairie #2	NA	NA	_____	____	____	____
Recharge Well (Key)	0	50	_____	____	____	____
Mike Propes Well	NA	NA	_____	____	____	____
Villiager Well	NA	NA	_____	____	____	____

Allowable Use of Stored Water (See Certificate Condition 7 for Explanation)

Number of Key Wells above upper Target Water Levels: __0___ (if 2, use falls in Green Zone)

Number of Key Wells below lower Target Water Levels: __0__ (if 2, use falls in Red Zone)

(If neither Green not Red Zone water levels prevail, default to Yellow Zone)

The allowable use of stored water is in the _____ Zone for the next water year.

Other Data Pertinent to the Storage Account (if any)

_____
_____
_____
_____
_____
_____
_____
_____

List of Date of Water Quality Reports Submitted to Other Agencies During Recharge Year

_____
_____
_____
_____

Report Submitted by ____Corey Lane_____ Dated ___7/12/2013 _ _ _ _

Attachments
1)
2)

Revised 7/2013

Annual Recharge Report to the Oregon Water Resources Department
by Buell-Red Prairie Water District
RechargeYear ____2011-2012___
As required by Permit 51165, Certificate 87392, T-11390
(This report covers the time period of June 1 through May 31, and is due June 15th of each year)

Discharges During Recharge Year

	From Gooseneck Creek	to Recharge Well(s)
Total in gallons	_____	_____
Max.Rate in gpm	_____	_____
Min. Rate in gpm	_____	_____

General Operations Review During Water Year

_____Old operator left and didn't leave records that I can find other that he said we used close to the allotted natural amount due to replacement of our filters with new ones Therfor we had a deficit again this year. But we are up and running with our new plant and should have a positive for the coming year.

Estimate of Storage Account at End of Year

This value is equal to 80% of the recharge over the last 5 years minus the sum of the two well discharges less 5 million gallons of natural water over the last 4 years.

Calculation (in gallons): Recharge Year	Recharge to well(s)		Credited Recharge		Discharge to Wells 1& 2		Residual
_2008___	8,382,800 x0. 80	=	6,706,240 __	-	2,941,100 + 5 M	=	8,765,140_____
_2009___	6,485,700 x0. 80	=	5,188,560__	-	3,176,100 +5M	=	7,012,460_____
_2010___	5,378,300 x0. 80	=	4,302,640__	-	1,684,800 +5M	=	7,617,840_____
_2011___	_0_____ x0. 80	=	4,325,651 _	-	3,680,300 +5M	=	1,319,700_____
_2012___	__0_____x0. 80	=	_____0_____	-	4,325,651_____	=	(4,325,651)_____
Total			16,197,440___	-	15,807,951___+20M		= 20,389,489___

Storage Account Estimate = Total Credited Recharge - Total Discharge over 5,000,000

= 16,197,440 -15,807,951 +20 M =20,389,489

revised 7/2013

Water Levels at Monitoring Wells: to be collected between April 1 and June 1, once per year.

	Recent Water Levels (feet Below Land Surface)			Relationship of Recent Measurement to Target Water levels		
	Upper Target	Lower Target	Recent Measurement and Date	Above Upper	Below Lower	Between Both
Buell Red Prairie #1 (Key)	25	125	_____	56__	68__	61__
Buell Red Prairie #2	NA	NA	_____	____	____	____
Recharge Well (Key)	0	50	_____	____	____	____
Mike Propes Well	NA	NA	_____	____	____	____
Villiager Well	NA	NA	_____	____	____	____

Allowable Use of Stored Water (See Certificate Condition 7 for Explanation)

Number of Key Wells above upper Target Water Levels: __0___ (if 2, use falls in Green Zone)

Number of Key Wells below lower Target Water Levels: __0__ (if 2, use falls in Red Zone)

(If neither Green not Red Zone water levels prevail, default to Yellow Zone)

The allowable use of stored water is in the _____ Zone for the next water year.

Other Data Pertinent to the Storage Account (if any)

_____
_____
_____
_____
_____
_____
_____
_____

List of Date of Water Quality Reports Submitted to Other Agencies During Recharge Year

_____
_____
_____
_____

Report Submitted by ____Corey Lane_____Dated ___7/10/2013_____

Attachments
1)Results of Related Water Quantity and Quality Programs (if any)
2)

Annual Recharge Report to the Oregon Water Resources Department
Buell-Red Prairie Water District
Recharge Year: 10-11
As Required by Premit 51165

Discharges During Recharge Year

	from Gooseneck Creek	To Recharge Well
Total in Acre-Feet		0
Max Rate in gpm		0
Min. Rate in gpm		0

General Operations Review During Recharge Year

ld treatment plant disconnected from recharge well in May 2010. Were unable to get new plant to work adiquately until anuary of 2011. Then discovered that the recharge had to be completely redesigned and overhauled to handle the new ant discharge. Were unable to get recharge going regularly (just some tests) before June of 2011.
he same problems with the new plant caused us to use over 3 million gallons from the wells for a substantial net defficite r the year.

Estimate of Storage Account at End of Year

e value is equal to 80% of the recharge over the last 5 recharge years minus the sum of the two ell discharges less 5 million gallons per year of natural water over the last four years.

alculation (in Gallons)

echarge ear	Recharge to Well		Credited Recharge		Discharge Wells #1 & #2		Residual
7	7,351,200	x 0.8 =	5,880,960	-	3,265,800	+ 5 M =	7,615,160
8	8,382,800	x 0.8 =	6,706,240	-	2,941,100	+ 5 M =	8,765,140
)9	6,485,700	x 0.8 =	5,188,560	-	3,176,100	+ 5 M =	7,012,140
10	5,378,300	x 0.8 =	4,302,640	-	1,684,800	+ 5 M =	2,617,840
011	0	x 0.8 =	0	-	3,680,300		-3,680,300
			22,078,400		14,748,100	+ 20 M =	27,330,300

orage Account Estimate = Total Credited Recharges - Total Discharges over 5,000,000 gallons

+	22,078,400	-	14,748,100	+ 20 M =	27,330,300

OVER

/ell Levels at Monitoring Wells

	Water Levels (ft Below LSD) Upper Target	Lower Target	Target Water Levels Above Upper	Below Lower	Between Both
uell Red Prairie #1 (Key)	25	125			53
uell Red Prairie #2	NA	NA	NA	NA	NA
echarge Well (Key)	0	50			
like Propes Well	NA	NA	NA	NA	NA
illiager Well	NA	NA	NA	NA	NA

llowable use of stored water (See Condition 7 of permit for explanation)

umber of key wells above upper target water levels: 0 (if 2, use falls in green zone)

umber of key wells below lower target water levels: 0 (if 2, use falls in red zone)

f neither green nor red zone water levels prevail, default to yellow zone.)

ther Data Pertinent to the Storage Account (if any)

lo water to recharge. But since water goes directly from the new plant clearwell both to the system and to the recharge, all equired tests were done over the year just in case we could get it started.

of Dates of Water Quality Reports Submitted to State Agencies during Recharge Year

eport Submitted By: Mark Lyon/Manager Date: 7/31/2011

Annual Recharge Report to the Oregon Water Resources Department
Buell-Red Prairie Water District
Recharge Year: 04-05
As Required by Premit 51165

Discharges During Recharge Year

	from Gooseneck Creek	To Recharge Well
Total in Acre-Feet		16.81
Max Rate in gpm		64.00
Min. Rate in gpm		

General Operations Review During Recharge Year

Well #1 at 53' on May 31; a near record high despite the winter drought and typically torpid recharge rates. Due probably to minimal well use this year and record spring rains. Slowed down the recharge rate to avoid possibly blowing out the ground storage.

Estimate of Storage Account at End of Year

the value is equal to 80% of the recharge over the last 5 recharge years minus the sum of the two well discharges less 5 million gallons per year of natural water over the last four years.

Calculation (in Gallons)

Recharge Year	Recharge to Well		Credited Recharge		Discharge Wells #1 & #2		Residual
01	8,552,000	x 0.8 =	6,841,600	-	6,112,100	+ 5 M =	5,729,500
02	7,601,800	x 0.8 =	6,081,440	-	2,725,800	+ 5 M =	8,355,640
03	3,791,600	x 0.8 =	3,033,280	-	8,079,100	+ 5 M =	-45,820
04	4,921,400	x 0.8 =	3,937,120	-	3,652,500	+ 5 M =	5,284,620
05	5,476,100	x 0.8 =	4,380,880	-	3,690,000		690,880
			24,274,320		24,259,500	+ 20 M =	20,014,820

Storage Account Estimate = Total Credited Recharges - Total Discharges over 5,000,000 gallons

+	24,274,320	-	24,259,500	+ 20 M =	20,014,820

OVER

RECEIVED
JUN 24 2005
WATER RESOURCES DEPT
SALEM, OREGON

5/31/2005

Well Levels at Monitoring Wells

	Water Levels (ft Below LSD) Upper Target	Lower Target		Target Water Levels Above Upper	Below Lower	Between Both
Buell Red Prairie #1 (Key)	25	125	6/15/04			53
Buell Red Prairie #2	NA	NA		NA	NA	NA
Recharge Well (Key)	0	50	6/15/04			20
Mike Propes Well	NA	NA		NA	NA	NA
Villiager Well	NA	NA		NA	NA	NA

Allowable use of stored water (See Condition 7 of permit for explanation)

Number of key wells above upper target water levels: 0 (if 2, use falls in green zone)

Number of key wells below lower target water levels: 0 (if 2, use falls in red zone)

(If neither green nor red zone water levels prevail, default to yellow zone.)

Other Data Pertinent to the Storage Account (if any)

List of Dates of Water Quality Reports Submitted to State Agencies during Recharge Year

Monthly Na, pH, Coliform	Annual taken in January	

Report Submitted By: Mark Lyon/Manager Date: 6/22/2005

Annual Recharge Report to the Oregon Water Resources Department
Buell-Red Prairie Water District
Recharge Year: 03-04
As Required by Premit 51165

Discharges During Recharge Year

	from Gooseneck Creek	To Recharge Well
Total in Acre-Feet		12.08
Max Rate in gpm		75.00
Min. Rate in gpm		

General Operations Review During Recharge Year

Three weeks of snow closed down the lake and required more from the wells but no leaks this year compaired to approximately 2 million gallons lost last year ment less water pumped despite more sold. Net result was well levels ended the year much higher than normal.

Estimate of Storage Account at End of Year

the value is equal to 80% of the recharge over the last 5 recharge years minus the sum of the two well discharges less 5 million gallons per year of natural water over the last four years.

Calculation (in Gallons)

Recharge Year	Recharge to Well		Credited Recharge		Discharge Wells #1 & #2		Residual
00	7,982,500	x 0.8 =	6,386,000	-	5,684,400	+ 5 M =	5,701,600
01	8,552,000	x 0.8 =	6,841,600	-	6,112,100	+ 5 M =	5,729,500
02	7,601,800	x 0.8 =	6,081,440	-	2,725,800	+ 5 M =	8,355,640
03	3,791,600	x 0.8 =	3,033,280	-	8,079,100	+ 5 M =	-45,820
04	4,921,400	x 0.8 =	3,937,120	-	3,652,500		284,620
			26,279,440		26,253,900	+ 20 M =	20,025,540

Storage Account Estimate = Total Credited Recharges - Total Discharges over 5,000,000 gallons

+	26,279,440	-	26,253,900	+ 20 M =	20,025,540

OVER

10/20/2004

Well Levels at Monitoring Wells

	Water Levels (ft Below LSD) Upper Target	Lower Target		Target Water Levels Above Upper	Below Lower	Between Both
Buell Red Prairie #1 (Key)	25	125	6/15/04			76
Buell Red Prairie #2	NA	NA		NA	NA	NA
Recharge Well (Key)	0	50	6/15/04			25
Mike Propes Well	NA	NA		NA	NA	NA
Villiager Well	NA	NA		NA	NA	NA

Allowable use of stored water (See Condition 7 of permit for explanation)

Number of key wells above upper target water levels: 0 (if 2, use falls in green zone)

Number of key wells below lower target water levels: 0 (if 2, use falls in red zone)

(If neither green nor red zone water levels prevail, default to yellow zone.)

Other Data Pertinent to the Storage Account (if any)

ist of Dates of Water Quality Reports Submitted to State Agencies during Recharge Year

Monthly Na, pH, Coliform	Annual taken in March	

Report Submitted By: _____ Date: _____

Buell Red Prairie Water District
PO Box 367, 6430 Red Prairie Rd., Sheridan, OR 97378
Ph# 503.843.2885

October 20, 2004

Oregon Department of Water Resources
158 12th St NE
Salem, OR 97310-1210
Attn: Donn Miller

Dear Donn,

I'm not sure why some of my reports aren't getting through. I send them all to the above address though not "attn: Donn Miller". Sometimes they are sent back to me for some reason.

Anyway, I've found a way to get my old format end of year reports off the hard disc. It will take time but it can be done.

Sincerely,

Mark Lyon
Manager

Enc: recharge reports complete set 03-04

RECEIVED
OCT 2 2 2004
WATER RESOURCES DEPT
SALEM, OREGON

appl file
S 66101

Annual Recharge Report to the Oregon Water Resources Department
Buell-Red Prairie Water District
Recharge Year: 02-03
As Required by Premit 51165

RECEIVED
JUL 3 0 2003
WATER RESOURCES DEPT.
SALEM, OREGON

Discharges During Recharge Year

	from Gooseneck Creek	To Recharge Well
Total in Acre-Feet		11.7
Max Rate in gpm		75
Min. Rate in gpm		0

General Operations Review During Recharge Year

Late rains ment we couldn't start recharging until January. Problems getting water out of the lake increased the amount of well water used and reduced the amount of recharge once we started. And when we tried to renew the recharge well, it was discovered that it had collapsed about half way down and had to be re drilled. All this meant low net quantities of recharge this year.

Estimate of Storage Account at End of Year

the value is equal to 80% of the recharge over the last 5 recharge years minus the sum of the two well discharges less 5 million gallons per year of natural water over the last four years.

Calculation (in Gallons)

Recharge Year	Recharge to Well		Credited Recharge		Discharge Wells #1 & #2		Residual
99	9,091,400	x 0.8 =	7,273,120	-	7,469,100	+ 5 M =	4,804,020
00	7,982,500	x 0.8 =	6,386,000	-	5,684,400	+ 5 M =	5,701,600
01	8,552,000	x 0.8 =	6,841,600	-	6,112,100	+ 5 M =	5,729,500
02	7,601,800	x 0.8 =	6,081,440	-	2,725,800	+ 5 M =	8,355,640
03	3,791,600	x 0.8 =	3,033,280	-	8,079,100		-5,045,820
			29,615,440		30,070,500	+ 20 M =	19,544,940

Storage Account Estimate = Total Credited Recharges - Total Discharges over 5,000,000 gallons

+	29,615,440	-	30,070,500	+ 20 M =	19,544,940

OVER

08/15/2001

Well Levels at Monitoring Wells

	Water Levels (ft Below LSD) Upper Target	Lower Target		Target Water Levels Above Upper	Below Lower	Between Both
Buell Red Prairie #1 (Key)	25	125	6/15/03			92
Buell Red Prairie #2	NA	NA		NA	NA	NA
Recharge Well (Key)	0	50	6/15/03			32
Mike Propes Well	NA	NA		NA	NA	NA
Villiager Well	NA	NA		NA	NA	NA

Allowable use of stored water (See Condition 7 of permit for explanation)

Number of key wells above upper target water levels: 0 (if 2, use falls in green zone)

Number of key wells below lower target water levels: 0 (if 2, use falls in red zone)

(If neither green nor red zone water levels prevail, default to yellow zone.)

Other Data Pertinent to the Storage Account (if any)

ist of Dates of Water Quality Reports Submitted to State Agencies during Recharge Year

Monthly Na, pH, Coliform	Annual taken in Feb	

Report Submitted By: _____ Date: _____

File S 66101

Annual Recharge Report to the Oregon Water Resources Department

Buell-Red Prairie Water District

Recharge Year: 98-99

As Required by Premit 51165

Discharges During Recharge Year

	from Gooseneck Creek	To Recharge Well
Total in Acre-Feet		279
Max Rate in gpm		75
Min. Rate in gpm		0

General Operations Review During Recharge Year

Dredged and drained lake in Sep 1998. Dry Autum prevented recharge till Dec 1999
Started 12/99. Stopped recharging May 31st 1998
Totals for Wells #1 & #2 June 1 1998 to May 31st 1999
Total for Recharge Well Dec 4, 1999 to May 31st 1999

The recharge well gets the same finished lake water that is sent to the customers. The only difference is that the Cl residual at the plant is 0.5 mg/l vs 1.0 mg/l for the drinking water.

Estimate of Storage Account at End of Year

the value is equal to 80% of the recharge over the last 5 recharge years minus the sum of the two well discharges less 5 million gallons per year of natural water over the last four years.

Calculation (in Gallons)

Recharge Year	Recharge to Well		Credited Recharge		Discharge Wells #1 & #2		Residual
95	11,818,600	x 0.8 =	9,454,880	-	6,504,300	+ 5 M =	7,950,580
96	8,991,400	x 0.8 =	7,193,120	-	7,730,200	+ 5 M =	4,462,920
97	6,483,600	x 0.8 =	5,186,880	-	7,173,200	+ 5 M =	3,013,680
98	6,153,400	x 0.8 =	4,922,720	-	8,260,300	+ 5 M =	1,662,420
99	9,091,400	x 0.8 =	7,273,120	-	7,469,100		-195,980
			34,030,720		37,137,100	+ 20 M =	16,893,620

Storage Account Estimate = Total Credited Recharges - Total Discharges over 5,000,000 gallons

+	34,030,720	-	37,137,100	+ 20 M =	16,893,620

OVER

07/19/1999

Well Levels at Monitoring Wells

	Water Levels (ft Below LSD) Upper Target	Lower Target		Target Water Levels Above Upper	Below Lower	Between Both
Buell Red Prairie #1 (Key)	25	125	6/15/99			83
Buell Red Prairie #2	NA	NA		NA	NA	NA
Recharge Well (Key)	0	50	6/15/99			30
Mike Propes Well	NA	NA		NA	NA	NA
Villiager Well	NA	NA		NA	NA	NA

Allowable use of stored water (See Condition 7 of permit for explanation)

Number of key wells above upper target water levels: 0 (if 2, use falls in green zone)

Number of key wells below lower target water levels: 0 (if 2, use falls in red zone)

(If neither green nor red zone water levels prevail, default to yellow zone.)

Other Data Pertinent to the Storage Account (if any)

st of Dates of Water Quality Reports Submitted to State Agencies during Recharge Year

Monthly Na, pH, Coliform	Annual tests submitted May 1999	

Report Submitted By: Mark Lyon Date: 7/19/99

Annual Recharge Report to the Oregon Water Resources Department
Buell-Red Prairie Water District
Recharge Year: 97-98
As Required by Premit 51165

Discharges During Recharge Year

	from Gooseneck Creek	To Recharge Well
Total in Acre-Feet		18.9
Max Rate in gp		75
Min. Rate in gp		0

General Operations Review During Recharge Year

Started 10/97. Stopped recharging May 31st 1998.
Totals for Wells #1 & #2 June 1 1997 to May 31st 1998.
Total for Recharge Well October 1 1997 to May 31st 1998.

The recharge well gets the same finished lake water that is sent to the customers. The only difference is that the Cl residual at the plant is 0.5 mg/l vs. 1.0 mg/l for the drinking water.

Estimate of Storage Account at End of Year

the value is equal to 80% of the recharge over the last 5 recharge years minus the sum of the two well discharges less 5 million gallons per year of natural water over the last four years.

Calculation (in Gallons)

Recharge Year	Recharge to Well		Credited Recharge		Discharge Wells #1 & #2		Residual
94	21,487,000	x 0.8 =	17,189,600	-	18,177,700	+ 5 M =	4,011,900
95	11,818,600	x 0.8 =	9,454,880	-	6,504,300	+ 5 M =	7,950,580
96	8,991,400	x 0.8 =	7,193,120	-	7,730,200	+ 5 M =	4,462,920
97	6,483,600	x 0.8 =	5,186,880	-	7,173,200	+ 5 M =	3,013,680
98	6,153,400	x 0.8 =	4,922,720	-	8,260,300		-3,337,580
			43,947,200		47,845,700	+ 20 M =	16,101,500

Storage Account Estimate = Total Credited Recharges - Total Discharges over 5,000,000 gallons

+ 43,947,200 - 47,845,700 + 20 M = 16,101,500

OVER

Buell Red Prairie Water District
Page 2

06/14/1998

Well Levels at Monitoring Wells

	Water Levels (ft Below LSD) Upper Target	Lower Target		Target Water Levels Above Upper	Below Lower	Between Both
Buell Red Prairie #1 (Key)	25	125	6/12/98 66'			XXXX
Buell Red Prairie #2	NA	NA	----------	NA	NA	NA
Recharge Well (Key)	0	50	6/12/98 27'			XXXX
Mike Propes Well	NA	NA	----------	NA	NA	NA
Villiager Well	NA	NA	----------	NA	NA	NA

Allowable use of stored water (See Condition 7 of permit for explanation)

Number of key wells above upper target water levels: 0 (if 2, use falls in green zone)

Number of key wells below lower target water levels: 0 (if 2, use falls in red zone)

(If neither green nor red zone water levels prevail, default to yellow zone.)

Other Data Pertinent to the Storage Account (if any)

st of Dates of Water Quality Reports Submitted to State Agencies during Recharge Year

Monthly Na, pH, Coliform	Annual tests	Semi-Annual tests
Submitted 6/15/98	Submitted 6/15/98	Submitted 6/15/98

Report Submitted By: Mark Lyon Date: 6/15/98

Recharge Year ending 5/31:	1992	1993	1994	1995	1996	1997
Date Due:	6/15/92	6/15/93	6/15/94	6/15/95	6/15/96	6/15/97
Date Received:	3/3/93	8/13/93	9/12/94	Jun-95	**not received**	**not received**
Adequate Storage Acct. Quantificatior	Yes	Yes	Yes	Yes	**not received**	**not received**
Precise WL Reporting?	**No**	**No**	**No**	**No**	**not received**	**not received**
Complete Water Level Reporting?	**No**	**No**	**No**	**No**	**not received**	**not received**
Reports to Other Agencies Confirmed?	**No**	**No**	Yes	Yes	**not received**	**not received**
Comments	Recharged more than permitted	Recharged more than permitted	Recharged more than permitted	Less recharge, Filter Plant now on line		

Annual Recharge Report to the Oregon Water Resources Department
Buell-Red Prairie Water District
Recharge Year: 96-97
As Required by Premit 51165

Discharges During Recharge Year

	from Gooseneck Creek	To Recharge Well
Total in Acre-Feet		19.9
Max Rate in gp		75
Min. Rate in gp		0

General Operations Review During Recharge Year

Started 10/96. Stopped recharging May 31st 1997.
Totals for Wells #1 & #2 June 1 1996 to May 31st 1997.
Total for Recharge Well October 1 1996 to May 31st 1997.

The recharge well gets the same finished lake water that is sent to the customers. The only difference is that the Cl residual at the plant is 0.5 mg/l vs. 1.0 mg/l for the drinking water.

Estimate of Storage Account at End of Year

the value is equal to 80% of the recharge over the last 5 recharge years minus the sum of the two well discharges less 5 million gallons per year of natural water over the last four years.

Calculation (in Gallons)

Recharge Year	Recharge to Well		Credited Recharge		Discharge Wells #1 & #2		Residual
93	32,656,000	x 0.8 =	26,124,800	-	18,177,700	+ 5 M =	12,947,100
94	21,487,000	x 0.8 =	17,189,600	-	18,707,300	+ 5 M =	3,482,300
95	11,818,600	x 0.8 =	9,454,880	-	6,504,300	+ 5 M =	7,950,580
96	8,991,400	x 0.8 =	7,193,120	-	7,730,200	+ 5 M =	4,462,920
97	6,483,600	x 0.8 =	5,186,880	-	7,173,200		-1,986,320
			65,149,280		58,292,700	+ 20 M =	26,856,580

Storage Account Estimate = Total Credited Recharges - Total Discharges over 5,000,000 gallons

+ 65,149,280 - 58,292,700 + 20 M = 26,856,580

OVER

Buell Red Prairie Water District
Page 2

06/14/1998

Well Levels at Monitoring Wells

	Water Levels (ft Below LSD) Upper Target	Lower Target		Target Water Levels Above Upper	Below Lower	Between Both
Buell Red Prairie #1 (Key)	25	125	6/15/97 53'			xxxxx
Buell Red Prairie #2	NA	NA		NA	NA	NA
Recharge Well (Key)	0	50	6/4/97 12'			xxxxx
Mike Propes Well	NA	NA		NA	NA	NA
Villiager Well	NA	NA		NA	NA	NA

Allowable use of stored water (See Condition 7 of permit for explanation)

Number of key wells above upper target water levels: 0 (if 2, use falls in green zone)

Number of key wells below lower target water levels: 0 (if 2, use falls in red zone)

(If neither green nor red zone water levels prevail, default to yellow zone.)

Other Data Pertinent to the Storage Account (if any)

st of Dates of Water Quality Reports Submitted to State Agencies during Recharge Year

Monthly, Annual and Semi-Annual reports to be sent to DOH this month as I can compile them from the files.

Report Submitted By: Mark Lyon Date: 6/15/98

Annual Recharge Report to the Oregon Water Resources Department
Buell-Red Prairie Water District
Recharge Year: 95-96
As Required by Premit 51165

Discharges During Recharge Year

	from Gooseneck Creek	To Recharge Well
Total in Acre-Feet		27.8
Max Rate in gp		75
Min. Rate in gp		0

General Operations Review During Recharge Year

Started 10/95. Stoppend recharging May 31st 1996.
Totals for Wells #1 & #2 June 1 1995 to May 31, 1996.
Totals for Recharge Well October 1, 1995 to May 31, 1996.

Finished water from lake treatment plantis pumped into the recharge well. This is the same water that goes to the customers except the Cl residual at the plant is only about .4 mg/l vs. 1.0 mg/l to the drinking water.

Estimate of Storage Account at End of Year

the value is equal to 80% of the recharge over the last 5 recharge years minus the sum of the two well discharges less 5 million gallons per year of natural water over the last four years.

Calculation (in Gallons)

Recharge Year	Recharge to Well		Credited Recharge		Discharge Wells #1 & #2		Residual
92	28,096,700	x 0.8 =	22,477,360	-	18,177,700	+ 5 M =	9,299,660
93	32,656,000	x 0.8 =	26,124,800	-	18,177,700	+ 5 M =	12,947,100
94	21,487,000	x 0.8 =	17,189,600	-	18,707,300	+ 5 M =	3,482,300
95	11,818,600	x 0.8 =	9,454,880	-	6,504,300	+ 5 M =	7,950,580
96	9,067,500	x 0.8 =	7,254,000	-	7,730,200		-476,200
			82,500,640		69,297,200	+ 20 M =	33,203,440

Storage Account Estimate = Total Credited Recharges - Total Discharges over 5,000,000 gallons

+	82,500,640	-	69,297,200	+ 20 M =	33,203,440

OVER

Buell Red Prairie Water District
Page 2

06/14/1998

Well Levels at Monitoring Wells

	Water Levels (ft Below LSD) Upper Target	Lower Target		Target Water Levels Above Upper	Below Lower	Between Both
Buell Red Prairie #1 (Key)	25	125	6/1/96 76'			xxxxx
Buell Red Prairie #2	NA	NA		NA	NA	NA
Recharge Well (Key)	0	50	6/5/96 10'			xxxxx
Mike Propes Well	NA	NA		NA	NA	NA
Villiager Well	NA	NA		NA	NA	NA

Allowable use of stored water (See Condition 7 of permit for explanation)

Number of key wells above upper target water levels: 0 (if 2, use falls in green zone)

Number of key wells below lower target water levels: 0 (if 2, use falls in red zone)

(If neither green nor red zone water levels prevail, default to yellow zone.)

Other Data Pertinent to the Storage Account (if any)

st of Dates of Water Quality Reports Submitted to State Agencies during Recharge Year

Monthly, annual and semi-annual reports to be submitted to DOH as they can be compiled from my records.

Report Submitted By: Mark Lyon Date: 6/15/98

Annual Recharge Report to the Oregon Water Resources Department
Buell-Red Prairie Domestic Water Association
Recharge Year: 94-5
as required by Permit 51165

Discharges During Recharge Year

	from Gooseneck Creek	To Recharge Well
Total in Acre-Feet		36.27
Max. Rate in gpm		80
Min. Rate in gpm		0

General Operations Review During Recharge Year

See note below. Started 10/95. Stopped recharging June 1 1995
Totals for Wells #1 & #2 June 1 1994 to May 31 1995
Total for Recharge Well October 1 1994 to May 31 1995

Startinng this year, the water to the Recharge Well was filtered through the DE filter plant built that summer. It's basically the same water that goes into the system for the customers except the Cl residual at the Recharge is 0.3 to 0.5 ppm. The plant can only send an average of 20-50 gpm to the recharge and still keep up with customer demand.

Estimate of Storage Account at End of Recharge Year

the value is equal to 80% of the recharge over the last 5 recharge years minus the sum of the two well discharges less 5 million gallons per year of natural water over the last four years.

Calculation (in Gallons)

Recharge Year	Recharge to well		Credited Recharge		Discharge Well #1 & 2		Residual
91	23,959,300	x 0.8 =	19,167,440	-	25,139,000	-5 M =	-971,560
92	28,096,700	x 0.8 =	22,477,360	-	18,177,700	-5 M =	9,299,660
93	32,656,000	x 0.8 =	26,124,800	-	18,177,700	-5 M =	12,947,100
94	21,487,000	x 0.8 =	17,189,600	-	18,707,300	-5 M =	3,482,300
95	11,818,600	x 0.8 =	9,454,880	-	6,504,300		2,950,580
			94,414,080		86,706,000	+20M =	27,708,080

Storage Account Estimate = Total Credited Recharges - Total Discharges over 5,000,000

+	94,414,080	-	86,706,000	+20M =	27,708,080

OVER

Water Levels at Monitoring Wells

Well	Water Levels (ft Below LSD) Upper Target	Lower Target	WL & Date	Target Water Levels Above Upper	Below Lower	Between Both
Buell Red Prairie #1 (Key)	25	125	53' 6/95 170' 11/94			
Buell Red Prairie #2	NA	NA	255' 8/94 52' 4/95	NA	NA	NA
Recharge Well (Key)	0	50	Assume 0 May 95			
Mike Propes Well	NA	NA		NA	NA	NA
Villager Well	NA	NA		NA	NA	NA

Allowable Use of Stored Water(See Condition 7 of Permit for Explanation

Number of Key Wells Above Upper Target Water Levels: 0 (if 2, use falls in Green Zone)

Number of Key Wells Below Lower Target Water Levels: 1 (if 2, use falls in Red Zone)

(If neither Green Not Red Zone water levels prevail, default to Yellow Zone.

The allowable use of stored water is in the Red Zone for the next recharge year.

Other Data Pertinent to the Storage Account (if any)

This summer the wells were nearly pumped out before the new filter plant started producing at capacity. Since then the well levels have climbed almost to record levels. The highest level acheaved at Well #1 was 45' but since it didn't occur on the 1st I didn't put it in the above chart. The lake water should be sufficient to see the system through the year but becomes stagnant and semi-palitable in late summer. We believe the wells are charged enough to see us through those 2 or 3 months supplementing the lake water.

List and Dates of Water Quality Reports Subitted to State Agencies during Recharge Year

Monthly Oct 94 to May 95	Annual January 1995	

Report Submitted by: Mark Lyon Date: 6/7/95

66101

Annual Recharge Report to the Oregon Water Resources Department
Buell-Red Prairie Domestic Water Association
Recharge Year: 93-4
as required by Permit 51165

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SEP 12 1994
WATER RESOURCES DEPT.
SALEM, OREGON

Discharges During Recharge Year

	from Gooseneck Creek	To Recharge Well
Total in Acre-Feet		65.95
Max. Rate in gpm		80
Min. Rate in gpm		0

General Operations Review During Recharge Year

Same as always. Stopped recharging June 1 1994.
Totals for Wells #1 & 2 June 1 1993 to May 31 1994
Total for Recharge Well October 1 1993 to May 31 1994

Estimate of Storage Account at End of Recharge Year

the value is equal to 80% of the recharge over the last 5 recharge years minus the sum of the two well discharges less 5 million gallons per year of natural water over the last four years.

Calculation (in Gallons)

Recharge Year	Recharge to well		Credited Recharge		Discharge Well #1 & 2		Residual
90	17,548,000	x 0.8 =	14,038,400	-	23,295,800	-5 M =	-4,257,400
91	23,959,300	x 0.8 =	19,167,440	-	25,139,000	-5 M =	-971,560
92	28,096,700	x 0.8 =	22,477,360	-	18,177,700	-5 M =	9,299,660
93	32,656,000	x 0.8 =	26,124,800	-	18,177,700	-5 M =	12,947,100
94	21,487,000	x 0.8 =	17,189,600	-	18,707,300		-1,517,700
			98,997,600		103,497,500	+20M =	15,500,100

Storage Account Estimate = Total Credited Recharges - Total Discharges over 5,000,000

+ 98,997,600 - 103,497,500 +20M = 15,500,100

OVER

Water Levels at Monitoring Wells

Well	Water Levels (ft Below LSD) Upper Target	Lower Target	WL & Date	Target Water Levels Above Upper	Below Lower	Between Both
Buell Red Prairie #1 (Key)	25	125	73' 6/ 93 168' 7/ 94			
Buell Red Prairie #2	NA	NA	260' 8/93 145' 10/93	NA	NA	NA
Recharge Well (Key)	0	50	Assume 0 May 94			
Mike Propes Well	NA	NA		NA	NA	NA
Villager Well	NA	NA		NA	NA	NA

Allowable Use of Stored Water(See Condition 7 of Permit for Explanation

Number of Key Wells Above Upper Target Water Levels: 0 (if 2, use falls in Green Zone)

Number of Key Wells Below Lower Target Water Levels: 1 (if 2, use falls in Red Zone)

(If neither Green Not Red Zone water levels prevail, default to Yellow Zone.

The allowable use of stored water is in the Red Zone for the next recharge year.

Other Data Pertinent to the Storage Account (if any)

List and Dates of Water Quality Reports Subitted to State Agencies during Recharge Year

Monthly Oct 93 to May 94		

Report Submitted by: _____ Date: _____

A-66101

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FEB 10 1994
WATER RESOURCES DEPT.
SALEM, OREGON

Buell Red Prairie Water District
6430 Red Prairie Rd.
Sheridan, OR 97378-9520
Ph. (503)843-2675
2/8/94

Water Resources Department
3850 Portland Rd. NE
Salem, OR 97310

Attn: Thomas E. Shook

Dear Mr. Shook,

Sorry about the mix-up.

I first sent in the annual recharge report last August. After receiving your letter of November 9, 1993 I gave a copy of your letter and the report to Bill Bauguess who sent it on to you. Apparently they both got lost in the shuffle someplace.

Three times a charm, though, and hopefully this one will get through to you.

Sincerely,

Mark Lyon
Bookkeeper

Annual Recharge Report to the Oregon Water Resources Department
Buell-Red Prairie Domestic Water Association
Recharge Year: 92-3
as required by Permit 51165

RECEIVED
FEB 10 1994
WATER RESOURCES DEPT.
SALEM, OREGON

Discharges During Recharge Year

	from Gooseneck Creek	To Recharge Well
Total in Acre-Feet		100.22
Max. Rate in gpm		82
Min. Rate in gpm		0

General Operations Review During Recharge Year

Estimate of Storage Account at End of Recharge Year

the value is equal to 80% of the recharge over the last 5 recharge years minus the sum of the two well discharges less 5 million gallons per year of natural water over the last four years.

Calculation (in Gallons)

Recharge Year	Recharge to well		Credited Recharge		Discharge Well #1 & 2		Residual
89	19,991,200	x 0.8 =	15,992,960	-	24,265,500	-5 M =	-3,272,540
90	17,548,000	x 0.8 =	14,038,400	-	23,295,800	-5 M =	-4,257,400
91	23,959,300	x 0.8 =	19,167,440	-	25,139,000	-5 M =	-971,560
92	28,096,700	x 0.8 =	22,477,360	-	18,177,700	-5 M =	9,299,660
93	32,656,000	x 0.8 =	26,124,800	-	0		26,124,800
			97,800,960		90,878,000	+20M =	26,922,960

Storage Account Estimate = Total Credited Recharges - Total Discharges over 5,000,000

+ 97,800,960 - 90,878,000 +20M = 26,922,960

OVER

Water Levels at Monitoring Wells

Well	Water Levels (ft Below LSD) Upper Target	Lower Target	WL & Date	Target Water Levels Above Upper	Below Lower	Between Both
Buell Red Prairie #1 (Key)	25	125	73' - 80' May 93	____	____	____
Buell Red Prairie #2	NA	NA	125' - 165' May 93	NA	NA	NA
Recharge Well (Key)	0	50	Assume 0 May 93	____	____	____
Mike Propes Well	NA	NA		NA	NA	NA
Villager Well	NA	NA		NA	NA	NA

Allowable Use of Stored Water(See Condition 7 of Permit for Explanation

Number of Key Wells Above Upper Target Water Levels: 1 (if 2, use falls in Green Zone)

Number of Key Wells Below Lower Target Water Levels: 0 (if 2, use falls in Red Zone)

(If neither Green Not Red Zone water levels prevail, default to Yellow Zone.

The allowable use of stored water is in the Green Zone for the next recharge year.

Other Data Pertinent to the Storage Account (if any)

List and Dates of Water Quality Reports Subitted to State Agencies during Recharge Year

Report Submitted by: Mark Lyon Date: 8/9/93

BUELL-RED PRAIRIE WATER DISTRICT
Income-Expense Statement
~~December 93~~ Jan 94

	Income	1992 Oct	Nov	Dec	1993 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Monthley Average	YTD
Operating Revenue															
A	Water Sales	0.00	10,792.26	9,941.19	10,038.14									7,692.90	30,771.59
B	New Accounts	0.00	274.44	250.00	45.00									142.36	569.44
C	Misc.	0.00	145.36	569.27	422.55									284.30	1,137.18
D	Bad Checks ()	0.00	0.00	0.00	0.00									0.00	0.00
	Subtotal	0.00	11,212.06	10,760.46	10,505.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8,119.55	32,478.21
Non-Operating Revenue															
E	Interest Inc.		441.54	442.30	318.55									400.80	1,202.39
F	Bond Proceeds	651,217.50	0.00	0.00	0.00									162,804.38	651,217.50
G	BRPWA Transfers	2,870.00	25,360.92	0.00	0.00									7,057.73	28,230.92
	Subtotal	654,087.50	25,802.46	442.30	318.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	170,262.90	680,650.81
	Total Revenue	654,087.50	37,014.52	11,202.76	10,824.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	178,382.45	713,129.02
Operating Expense															
1	Salaries	0.00	1,670.00	1,406.75	1,391.50									1,117.06	4,468.25
3	Payroll Taxes	0.00	9.02	518.27	(157.03)									92.56	370.26
2	Mileage	0.00	777.80	668.70	638.40									521.23	2,084.90
4	Office/Post	0.00	329.63	54.45	196.02									145.03	580.10
5	Ins./Lic.	0.00	0.00	0.00	80.00									20.00	80.00
6	Repair/Maint.	0.00	56.87	504.93	34.85									149.16	596.65
7	Util./Rent	0.00	662.59	697.40	829.03									547.26	2,189.02
8	Chem & Filter	0.00	318.68	639.78	146.40									276.22	1,104.86
9	Water Lab	0.00	146.00	265.79	166.60									144.60	578.39
10	Legal./Acc't.	0.00	20.00	0.00	0.00									5.00	20.00
11	W M Connect.	0.00	0.00	0.00	0.00									0.00	0.00
12	Water Bought	0.00	0.00	750.00	0.00									187.50	750.00
13	Deposit Refunds	0.00	9.50	124.70	0.00									33.55	134.20
14	Misc./Cont.	0.00	15.64	81.50	0.00									24.29	97.14
	Subotal	0.00	4,015.73	5,712.27	3,325.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3,263.44	13,053.77
Non-Operating Expenditures															
20	Debt Reserve Account	3,087.50	4,090.00	4,000.00	4,350.00									3,881.88	15,527.50
21	Bond Issue Expense	24,893.92	1,500.00	500.00	0.00									6,723.48	26,893.92
22	Assets of Association	530,065.25	0.00	0.00	0.00									132,516.31	530,065.25
23	Water Trtmnt Bldg	0.00	147.06	0.00	0.00									36.77	147.06
24	Water Trtmnt Equip	0.00	0.00	0.00	0.00									0.00	0.00
25	Water Line Extension	0.00	0.00	0.00	0.00									0.00	0.00
	Subotal	558,046.67	5,737.06	4,500.00	4,350.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	143,158.43	572,633.73
	Total Expenditures	558,046.67	9,752.79	10,212.27	7,675.77										
	Improvement Acct Bal	95,000.00	94,945.00	95,328.40	95,553.74										
	Acquisition Acct Bal	40.83	310.31	304.35	0.00										
	Revenue Acct Bal	1,000.00	28,047.25	28,667.55	31,852.86										
	Debt Reserve Acct Bal	3,087.50	7,177.50	11,170.25	15,562.42										
	Total	99,128.33	130,480.06	135,470.55	142,969.02					0.00	0.00	0.00	0.00		
	Bond Issue Bal	650,000.00	650,000.00	650,000.00	650,000.00										
Capital Reconciliation															
	Balance at Start	0.00	96,040.83	123,302.56	124,293.05										
	Plus Cash Received	654,087.50	37,014.52	11,202.76	10,824.24										
	Less Cash Paid Out	558,046.67	9,752.79	10,212.27	7,675.77										
	Balance on Hand	96,040.83	123,302.56	124,293.05	127,441.52										
	Meters Installed	265	265	265	266										
	Gal Water Sold	0	1,418,600	1,677,500	1,419,300										
	Total Billed	0.00	9,959.70	10,744.53	9,896.76										
	Past Due	0.00	2,526.99	2,672.53	3,119.28										

mated Month
3,000.00
5,000.00
3,600.00
0.00
7,600.00
3,600.00
1,127.00
0,417.00
4,544.00
2,144.00
0,160.00
4,020.00
8,000.00
2,040.00
3,600.00
3,000.00
7,800.00
3,000.00
3,600.00
5,000.00
2,400.00
0.00
0.00
500.00
61,120.00
52,200.00
2,114.00
30,065.00
20,000.00
50,000.00
0.00
64,379.00

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Water Levels at Monitoring Wells

Well	Water Levels (ft below LSD) Upper Target	Lower Target	WL & Date	Target Water levels Above Upper	Below Lower	Between Both
Buell-Red Prairie #1(Key)	25	125	73-80' June 93	___	___	___
Buell-Red Prairie #2	NA	NA	125-65 May 93	NA	NA	NA
Recharge Well (Key)	0	50	Assume 0 May 93	"	___	___
Mike Propes Well	NA	NA	_____	NA	NA	NA
Villager Well	NA	NA	_____	NA	NA	NA

Allowable Use of Stored Water (See Condition 7 of Permit for Explanation)

Number of Key Wells above (upper) Target Water Levels: 0 (if 2, use falls in Green Zone)

Number of Key Wells below (lower) Target Water Levels: 0 (if 2, use falls in Red Zone)

(If neither Green not Red Zone water levels prevail, default to Yellow Zone

The allowable use of stored water is in the Green Zone for the next recharge year.

Other Data Pertinent to the Storage Account (if any)

Level measured by OEQ

Report Submitted by [signature] Dated 8/9/93

Buell-Red Prairie Domestic Water Association
Annual Recharge Report
Page 2

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Water Levels at Monitoring Wells

Well	Water Levels (ft below LSD) Upper Target	Lower Target	WL & Date	Target Water levels Above Upper	Below Lower	Between Both
Buell-Red Prairie #1(Key)	25	125	32'6 4:' May 92	___	___	___
Buell-Red Prairie #2	NA	NA	1354 195'	NA	NA	NA
Recharge Well (Key)	0	50	Assume Ø - May 92	___	___	___
Mike Propes Well	NA	NA	_____	NA	NA	NA
Villager Well	NA	NA	_____	NA	NA	NA

Allowable Use of Stored Water (See Condition 7 of Permit for Explanation)

Number of Key Wells above Upper Target Water Levels: 1 (if 2, use falls in Green Zone)

Number of Key Wells below Lower Target Water Levels: Ø (if 2, use falls in Red Zone)

(If neither Green not Red Zone water levels prevail, default to Yellow Zone

The allowable use of stored water is in the Yellow Zone for the next recharge year.

Other Data Pertinent to the Storage Account (if any)

Need yearly DEQ

Report Submitted by Mark Lyon Dated 2/17/92

(This report is due by June 15 of the year following the end of the reported recharge year. For example, the June 15, 1991 report covers recharge year 1991 which started June 1, 1990 and ended May 31, 1991.)

Appl. 66101

Annual Recharge Report to the Oregon Water Resources Department
Buell-Red Prairie Domestic Water Association
Recharge Year 91
as required by Permit 51165

Discharges During Recharge Year

	from Gooseneck Creek	to Recharge Well
Total in Acre-feet	_____	8623 ac ft
Max. Rate in gpm	_____	75
Min. Rate in gpm	_____	0

General Operations Review During Recharge Year

Estimate of Storage Account at End of Recharge Year

This value is equal to 80% of the recharge over the last 5 recharge years minus the sum of the two well discharges less 5 million gallons per year of natural water over the last four years.

Calculation (in gallons):

Recharge Year	Recharge to well			Credited Recharge	Discharge Well #1&2		Residual
88	21132400	x0.8	=	16905920	- 23773999	-5 M	= -1869079
89	19991200	x0.8	=	15992960	- 24265500	-5 M	= -3272540
90	17545000	x0.8	=	14036400	- 23295830	-5 M	= 4252420
91	23955200	x0.8	=	19,164,440	- 25,139,000	-5 M	= 471,560
92	28096200	x0.8	=	22476960	- 0		= 22,476,960
Total				88,585,680	96,474,329		12,111,351

Storage Account Estimate = Total Credited Recharges - Total Discharges over 5,000,000

= 88,585,680 - 96,474,329 = 12,111,351

OVER

File 66101

Oregon

WATER
RESOURCES
DEPARTMENT

February 19, 1991

Buell-Red Prairie Domestic Water Association
6890 Frank Road
Sheridan, OR 97378

RE: Submittal of Reports Under Terms of Permit 51165

The purpose of this letter is to clarify where the Association should send the reports which are required under Permit 51165. The permit itself does not contain a precise delivery point since agency addresses and organizations may change. This letter gives precise addresses for now. In the future, changes may result and superseding letters will be sent to update reporting locations. Please use the following addresses for the following Water Resources Department permit items.

11.(A) Relating to compliance with the requirements of the Oregon State Health Division.

Report the results only to the Health Division address which is normally used for such requirements. No Direct reporting to Water Resources Department is necessary.

11.(B) Relating to the Oregon Department of Environmental Quality's (DEQ) monitoring and sampling plan in a letter dated January 18, 1991.

Report the results of analyses of water taken at the point of injection at the recharge well to both:

Donn Miller
Groundwater/Hydrology Section
Water Resources Department
3850 Portland Road NE
Salem, OR 97306

and

3850 Portland Rd NE
Salem, OR 97310
(503) 378-3739
FAX 378-8130

DEQ Willamette Valley Region
750 Front St NE
Salem, OR 97310

Please report on DEQ forms and note on the report a reference to Water Resources Department Permit 51165. Send a copy to WRD and the originals to DEQ.

13(A) Relating to annual recharge reports.

Submit this report to:

Donn Miller
Groundwater/Hydrology
3850 Portland Road NE
Salem, OR 97306

It is unlikely that there will be any other secondary permittee except the Association itself which would also need the report. Please use the enclosed form for this report. I suggest that the Association retain a copy of all submittals.

Please contact me if you have questions.

Sincerely,

Donn Miller
Hydrogeologist

DM/dm

cc: Rene Dulay, DEQ
Ed Butts, Stettler Supply
Don Capistran, Buell-Red Prairie Dom. Water Assoc.

STATE OF OREGON

COUNTY OF POLK

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

BUELL-RED PRAIRIE DOMESTIC WATER ASSOCIATION (ASSOCIATION)
6890 FRANK ROAD 503-843-2218
SHERIDAN, OREGON 97378

to use the waters of GOOSENECK CREEK, a tributary of MILL CREEK, for GROUNDWATER RECHARGE. The permit to use these waters is issued under Application 66101. The date of priority is JUNE 8, 1984. The use is limited to the period from October 1 through May 31, not more than 75.0 GALLONS PER MINUTE, and not to exceed 61.0 ACRE-FEET each recharge period/year, measured at the point of diversion.

The point of diversion is located as follows:

SE 1/4 SW 1/4, Section 35, T 6 S, R 7 W, W.M.; North 59 Degrees, 25 Minutes West, 1121 feet from S 1/4 corner Section 35.

The permittee shall appropriate water from Gooseneck Creek only when the following instream flows in cubic feet per second are maintained at the mouth of Gooseneck Creek:

OCTOBER	NOVEMBER THROUGH MAY
1.0	10.0

The water user shall install and maintain an in-line flow meter, weir, or other suitable device, of a type and at a location to be approved by the watermaster, for measuring or recording the above instream flows.

The use of water allowed under this permit shall conform to such reasonable rotation system as may be ordered by the proper state officer.

The place of use is the recharge well which is located as follows:

SW 1/4 SE 1/4
SECTION 35
TOWNSHIP 6 SOUTH, RANGE 7 WEST, W.M.

This permit is also subject to the following conditions:

1. Meters: The permittee shall meter the water withdrawn at the diversion and meter the water injected into the recharge well.

2. Records, inspections: The permittee shall keep accurate and current records of daily metered values, water levels and other operational information. The Water Resources Director (Director) may inspect the records and works covered by this permit upon one day notice and at any reasonable time.

3. Estimated data: When data are missing in whole or in part, the Director may make estimates from available data. Those estimates shall be reasonable and, where a range of uncertainty exists, conservatively low on water delivered to the place of recharge.

4. Water level monitoring: Once each year between April 1 and June 1, the permittee shall measure and record the depth to water below land surface in each of the following wells to 1 foot accuracy. Prior to the determinations, recharge and pumping shall be suspended by the permittee for at least seven days. Two of the wells are not controlled by the Association, however the permittee shall attempt to cooperate with the other owners to obtain these measurements.

Well Location	Common Name	Remarks
T6S/R7W-35db	Buell-Red Prairie #1	
T6S/R7W-35da	Buell-Red Prairie #2	
T6S/R7S-35dc	Recharge Well	
T6S/R7W-35ca	Mike Propes Well	Not controlled by Association
T6S/R7W-35db	Villager Well	Not controlled by Association

5. Target water levels in key wells: This permit designates two existing wells as key wells in the water level monitoring program. As determined between April 1 and June 1 of each year, actual water levels at these wells shall be compared to the target levels to determine allowable use as indicated under the allowable use of stored water condition. Key wells and associated target levels are:

Target Levels
(feet below Land Surface Datum)

Well Location	Common Name	Upper	Lower
T6S/R7W-35db	Buell-Red Prairie #1	25	125
T6S/R7W-35dc	Recharge Well	0	50

6. Storage account for the determination of stored recharge water: The Water Resources Department (WRD) shall make final determinations on stored groundwater. This shall occur through a storage account which covers this permit. The storage account shall be based on recharge and secondary permit withdrawals over only the preceding five recharge years. For this permit, the recharge year is the period from June 1 through May 31 of each year. It shall be credited at 80% of water metered to the place of recharge. Withdrawals of stored water shall be debited at 100% of metered values at wells covered by a secondary permit(s). The debit applies to that portion of withdrawals which are in excess of the permittee's natural water pumpage of 5 million gallons annually under Permit G-8748. The permittee may obtain information on the storage account from the WRD by submitting a written request.

7. Allowable use of stored recharge water: The availability of recharge water stored under this permit is based on the priority of secondary groundwater rights and the allowable use of stored recharge water. The allowable use of stored recharge water during any water year falls into 3 categories. For ease of reference, these categories are named as color zones.

(A) Green zone: If recent water levels as determined between April 1 and June 1 at the two (2) key wells are above the upper target levels, use is allowed up to the maximum of the storage account.

(B) Yellow zone: If neither Green zone nor Red zone water levels prevail, use is allowed up to 80 percent of the recharge volume for the preceding 12 months.

(C) Red zone: If recent water levels as determined between April 1 and June 1 at two (2) key wells are below the lower target levels, no use of recharged water is allowed the following recharge year.

8. Permit assignment: A potential assignee shall prove, to the Director's satisfaction, the financial capability to construct uncompleted portions of, and operate, the project authorized by the permit.

9. Mitigating unforseen effects:

(A) If, under actual operation of the recharge project, the Director notifies the permittee that the Director has reason to believe there are adverse groundwater quantity or quality effects, the permittee shall cease recharge activities. No further diversion shall be made until measures to prevent, correct or monitor those adverse effects have been agreed to and implemented.

(B) If, in the judgement of the Director, project performance or other hydrologic circumstances indicate that provision(s) in this permit are an unnecessary hardship, or are either inappropriate or inadequate to monitor or manage the quantity or protect the quality of the groundwater resource, the Director may modify target water levels, key wells, the storage account credit factor, the storage account, or any other term of this permit as necessary to remedy the deficiencies.

10. Technical oversight: The construction and operation of the recharge project shall be overseen by a professional registered civil engineer(s) licensed to practice in Oregon.

11. Other state or federal agency requirements:

The following conditions are notices of requirements of other Oregon state agencies. The permittee shall correspond directly with each agency regarding monitoring, reporting and any other requirements. Reports shall only be submitted to the requiring agency, unless otherwise specified herein.

The WRD will enforce these conditions in a manner similar to other conditions in this permit but only upon notice of noncompliance and request for enforcement from the responsible agencies.

Conditions 11(A) and (B) shall remain in effect unless and until WRD receives a written agreement signed by the permittee and responsible agencies to modify the conditions.

(A) The permittee shall comply with the requirements of the Oregon State Health Division.

(B) The permittee shall provide appropriate groundwater quality protection as specified by the Oregon Department of Environmental Quality (DEQ). The DEQ monitoring and sampling plan for this project was submitted to the WRD by letter of January 18, 1991, and is, by reference, included as part of this permit.

12. Water conservation program: Within one year from the date the Water Resources Commission adopts rules describing the schedules, standards and procedures for water management plans by water suppliers, the Association shall submit a plan which is consistent with the rules.

13. Annual and other reports:

(A) The permittee shall submit an annual report to the WRD and any secondary permittee by June 15 of each year. That report shall include the range of diversion and recharge rates and total quantities diverted and recharged during the prior recharge year (ending May 31) as metered under conditions 1, 2, and 3. In addition, the report shall include the water level data from condition 4, the permittee's estimate of the storage account under condition 6, a brief narrative describing operational factors related to the recharge project and conditions 8, 9, 10, 12, and a list of the dates of any reports submitted to other agencies under condition 11.

(B) The permittee shall submit, as scheduled, any reports required by other agencies as specified under condition 11.

The wells shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works constructed shall include an air line and pressure gauge or an access port for measuring line, adequate to determine water level elevation in the well at all times.

This development was reviewed and approved by the Water Resources Commission on FEBRUARY 1, 1991.

Actual construction work shall begin on or before February 4, 1992 , and shall be completed on or before October 1, 1992. Complete application of the water to the use shall be made on or before October 1, 1993.

This permit is for the beneficial use of water without waste. By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

Issued this date, FEBRUARY 4, 1991.

William H. Young

Water Resources Department
William H. Young
Director

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SALEM, OREGON

Oregon

DEPARTMENT OF ENVIRONMENTAL QUALITY

January 18, 1991

Donn Miller, Hydrogeologist
Water Resources Department
3850 Portland Road NE
Salem, OR 97310

Re: Buell-Red Prairie Water Association Recharge Project
Polk County

Dear Mr. Miller:

This will refer to the proposed Buell-Red Prairie Water Association aquifer recharge project permit that the Water Resources Department (WRD) is considering for issuance. The recharge project consists of a surface water diversion pond, water treatment system and a recharge well. Buell-Red Prairie plans to divert water from the Gooseneck Creek to a sand filter and disinfection treatment system. About half of the treated water will be routed to the existing water supply distribution system and the other half will be injected into an existing recharge well. Stored water will be withdrawn from a nearby well which supplies the Buell-Red Prairie domestic water distribution system.

In order to protect the recognized beneficial uses of the groundwater in the area, it is the Department's opinion that an adequate monitoring and sampling plan should be included in the proposed permit.

The draft of the monitoring and sampling plan has been discussed during the meeting with the officers of Buell-Red Prairie Water Association, Mr. Edward Butts, consultant of the association, DEQ and WRD on December 17, 1990. It was agreed that the monitoring and sampling plan be incorporated in the proposed water appropriation permit. In a subsequent discussion with you and Mr. Edward Butts, other minor changes in the monitoring plan were made.

811 SW Sixth Avenue
Portland, OR 97204-1390
(503) 229-5696

DEQ 1

As provided in the Memorandum of Agreement between DEQ and WRD, a groundwater recharge project does not need a separate DEQ water quality permit. Any concerns on water quality can be addressed in the water appropriation permit that will be issued by WRD.

Therefore, we recommend that the attached monitoring and sampling plan be incorporated in the Buell-Red Prairie Water Association recharge project water appropriation permit.

If you have any further questions, feel free to call me at 229-5876.

Sincerely,

Rene C. Dulay
Industrial Waste Specialist
Water Quality Division

RCD:crw
IW\WC7700
Enclosure
cc: Charles K. Ashbaker, DEQ
Willamette Valley Region, DEQ

MONITORING AND SAMPLING PLAN

1. Unless otherwise agreed in writing by the Water Resources Department, data collected, and submitted shall include but not necessarily be limited to the following parameters and minimum frequencies:

Recharge Well

Item or Parameter	Minimum Frequency*	Type of Sample
Total Coliform	Monthly	Grab
Nitrate (as N)	Monthly	Grab
pH	Monthly	Grab
Total Dissolved Solids	2 per year	Grab
Inorganic Chemicals		
Arsenic	Annual	Grab
Barium	Annual	Grab
Cadmium	Annual	Grab
Chromium	Annual	Grab
Copper	Annual	Grab
Fluoride	Annual	Grab
Iron	Annual	Grab
Lead	Annual	Grab
Manganese	Annual	Grab
Mercury	Annual	Grab
Selenium	Annual	Grab
Silver	Annual	Grab
Total Trihalomethanes	Annual	Grab

* Water shall be sampled for the required analyses at the point of injection at the recharge well.

2. Water to be recharged shall be analyzed for organic chemicals and regulated volatile organic compounds (VOC) in the frequency required by the Drinking Water Section of the Oregon Health Division. The data shall be submitted to the Water Resources Department within 45 days after sampling of the recharge well.

3. Recharge activities shall cease when any of the following conditions occur during the injection of treated water to the recharge well:

   a. Nitrate level of recharge water exceeds 5.0 mg/l.

   b. Total coliform shall not exceed <1/100 ml**.

   c. Concentration of any of the Inorganic Chemicals in the recharge water exceeds one half (1/2) of the Safe Drinking Water Standard Maximum Contaminant Levels.

   d. pH shall be within the range 6.5 - 8.5.

   e. Any of the Organic Chemicals or Volatile Organic Compounds is detected in the recharge water using approved analytical procedures under the Safe Drinking Water Act.

   ** Total coliform analyses are to be conducted using the 10-tube Multiple Tube Fermentation (MTF) Technique.

   Recharge activities shall resume only if contaminant levels as specified in Item 3 are not exceeded or if measures to prevent, correct and/or monitor any adverse groundwater quality or quantity effects have been agreed to and implemented.

4. The permittee shall submit the data required by the Health Division in monitoring of organic chemicals for community water systems.

(This report is due by June 15 of the year following the end of the reported recharge year. For example, the June 15, 1991 report covers recharge year 1991 which started June 1, 1990 and ended May 31, 1991.)

Annual Recharge Report to the Oregon Water Resources Department
Buell-Red Prairie Domestic Water Association
Recharge Year ____
as required by Permit 51165

Discharges During Recharge Year

	from Gooseneck Creek	to Recharge Well
Total in Acre-feet	_____	_____
Max.Rate in gpm	_____	_____
Min. Rate in gpm	_____	_____

General Operations Review During Recharge Year

_____
_____
_____
_____
_____
_____
_____
_____

Estimate of Storage Account at End of Recharge Year

This value is equal to 80% of the recharge over the last 5 recharge years minus the sum of the two well discharges less 5 million gallons per year of natural water over the last four years.

Calculation (in gallons):

Recharge Year	Recharge to well			Credited Recharge	Discharge Well #1&2		Residual
_____	_____	x0.8	=	_____	- _____	-5 M =	_____
_____	_____	x0.8	=	_____	- _____	-5 M =	_____
_____	_____	x0.8	=	_____	- _____	-5 M =	_____
_____	_____	x0.8	=	_____	- _____	-5 M =	_____
_____	_____	x0.8	=	_____	- 0	=	_____
Total				_____	_____		_____

Storage Account Estimate = Total Credited Recharges - Total Discharges over 5,000,000

= _____ - _____ = _____

OVER

Water Levels at Monitoring Wells

Well	Water Levels (ft below LSD) Upper Target	Lower Target	WL & Date	Target Water levels Above Upper	Below Lower	Between Both
Buell-Red Prairie #1(Key)	25	125	_____	____	____	____
Buell-Red Prairie #2	NA	NA	_____	NA	NA	NA
Recharge Well (Key)	0	50	_____	____	____	____
Mike Propes Well	NA	NA	_____	NA	NA	NA
Villager Well	NA	NA	_____	NA	NA	NA

Allowable Use of Stored Water (See Condition 7 of Permit for Explanation)

Number of Key Wells above Target Water Levels: _____ (if 2, use falls in Green Zone)

Number of Key Wells below Target Water Levels: _____ (if 2, use falls in Red Zone)

(If neither Green not Red Zone water levels prevail, default to Yellow Zone

The allowable use of stored water is in the _____ Zone for the next recharge year.

Other Data Pertinent to the Storage Account (if any)

_____
_____
_____
_____
_____
_____
_____
_____

List and Dates of Water Quality Reports Submitted to State Agencies during Recharge Year

_____
_____
_____
_____
_____
_____

Report Submitted by _____ Dated _____

WATERLAB CORP.

Accredited Lab #OR100039

2603 - 12th Street S.E.
Salem, Oregon 97302
(503) 363-0473
FAX (503) 363-8900

FAX TRANSMITTAL

TO: M. McCord

COMPANY: Water Resource Dept.

FAX NO: 503-986-0903

FROM: Maria

DATE: 5-29-13 TIME:

PROJECT:

COMMENTS:

Total number of pages including coversheet: 2
If you do not receive all pages please call us back ASAP

Confidentiality Notice:
The information contained in this message is privileged and confidential information intended only for the use of the addressee. If the reader of this message is not the intended recipient, or the employee or agent responsible to deliver this to the intended recipient, this communication is strictly prohibited. If you have received this communication in error please notify us immediately by telephone at 503-363-0473

Revised 7/05*ms

Corey at Buell Red Prair ask to fax F30 Mike

503-843-2885

WATERLAB CORP.

2603 - 12th Street, SE
Salem, OR 97302
Voice: (503) 363-0473
FAX: (503) 363-8900

TEST REPORT

TO: Buell-Red Prairie Water Assn.
PO Box 367
Sheridan, OR 97378

05/29/2013

BUEPRA

PO#:

Collection Information

Date: 05/20/2013
Time: 1230
By: Corey
Lab #: 20130521-006
Location: Sample Finished Tap at Plant

Lab Receipt Information

05/21/2013
1044
JW

Case Narrative

The analyses were performed according to the guidelines in the WATERLAB Corp Quality Assurance Program. This report contains analytical results for the sample(s) as received by the laboratory.

Analyte	Method	Acc*	Results	Qual	MRL	Units	Analysis Date Time	Tech
Total Solids, Dissolved	SM2540 C		58.			mg/l	05/24/2013	MC

ND- No Detection at @ MRL
SM-"Standard Methods for the Examination of Water & Wastewater",19th ed
EPA- "Methods for Chemical Analysis for Water and Wastes",USEPA
MRL-"Method Reporting Limit"
* Accreditation
A- Waterlab Corporation, ORELAP 100039

The results relate only to the parameters tested or to the sample as received by the laboratory.
This report shall not be reproduced except in full, without the written approval of Waterlab Corporation.

Approved by: _____

Customer

Buell Red Prairie Water District
PO Box 367, 6430 Red Prairie Rd., Sheridan, OR 97378
Ph# 503.843.2885

July 14, 2005

RECEIVED
JUL 18 2005
WATER RESOURCES DEPT
SALEM, OREGON

Donn Miller
Water Resources Dept
North Mall Office Building
725 Summer Street NE, Suite A
Salem, OR 97301-1271

Dear Donn:

I apologize for the sloppy reporting.

We have been testing for manganese. "Magnesium" on the report was a typo.

We have been taking 2 TDS samples annually. The second test was hand-written on the May Coliform-Nitrate-pH report.

I'd forgotten that you get the VOC tests, too. I take them for the State at the effluent side of the treatment plant instead of at the recharge well. It's the same water without the extra 5 minutes of contact time.

I'll make sure future reports are complete.

Thanks,

Mark Lyon
Manager

Enc: Lab Rect 3/30/2005 recharge annual, 3/30/2005 TDS, 6/6/2005 TDS, 6/16/2005 VOC

ORELAP 100028

Report Date: June 16, 2005
Job Number: A50510AB
PWSID: 01174
PO Number: None Provided
Project No: None Provided
Project Name: VOC

Mark Lyon
Buell Red Prairie Water Dist.
6430 Red Prairie Rd
Sheridan, OR 97378

Sample Information

Laboratory Sample ID	Field Identification	Matrix	Collection Date	Collection Time
A50510AB-1	Gooseneck Treated	Drinking Water	05/09/05	1300

Analytical results are on the following page(s).

Sincerely,

Technical Services

The data submitted in this report is for the sole and exclusive use of the above-named client. All samples associated with the work order will be retained a maximum of 15 days from the report date or until the maximum holding time expires. All results pertain only to samples submitted.

Thank you for allowing Coffey Laboratories to be of service to you. If you have questions or need further assistance, please do not hesitate to call our Customer Services Department.

TS/atc

ORELAP 100028

Water System ID #: 4101174 Source ID: Source name(s):

Water System: Buell Red Prairie Water Dist.

Address: 6430 Red Prairie Rd

City, State, Zip: Sheridan OR 97378

Sample Identification

Sampled at: Gooseneck Treated Sampled by: Client

Date collected: 05/09/05 Time collected: 1300

Date received: 05/10/05 Date analyzed: 05/16/05

Sample Composition: Raw or Treated Water | From Source or Distribution System | Single or Combined

Lab sample ID #: A50510AB-1 Sample Composited : Yes or No

Volatile Organic Chemicals

Regulated VOCs

Contaminant	Code	MCL mg/l	Analysis mg/l	LRL	Method	Analyst
1,1-Dichloroethylene	2977	0.007	ND	0.0005	EPA 524.2	AB
1,1,1-Trichloroethane	2981	0.2	ND	0.0005	EPA 524.2	AB
1,1,2-Trichloroethane	2985	0.005	ND	0.0005	EPA 524.2	AB
1,2 Dichloroethane	2980	0.005	ND	0.0005	EPA 524.2	AB
1,2 Dichloropropane	2983	0.005	ND	0.0005	EPA 524.2	AB
1,2,4-Trichlorobenzene	2378	0.07	ND	0.0005	EPA 524.2	AB
Benzene	2990	0.005	ND	0.0005	EPA 524.2	AB
Carbon Tetrachloride	2982	0.005	ND	0.0005	EPA 524.2	AB
Cis-1,2-Dichloroethylene	2380	0.07	ND	0.0005	EPA 524.2	AB
Dichloromethane	2964	0.005	ND	0.0005	EPA 524.2	AB
Ethylbenzene	2992	0.7	ND	0.0005	EPA 524.2	AB
Monochlorobenzene	2989	0.1	ND	0.0005	EPA 524.2	AB
O-Dichlorobenzene	2968	0.6	ND	0.0005	EPA 524.2	AB
P-Dichlorobenzene	2969	0.075	ND	0.0005	EPA 524.2	AB
Styrene	2996	0.1	ND	0.0005	EPA 524.2	AB

Coffey Laboratories, Inc.
12423 N.E. Whitaker Way ● Portland, OR ● 97230 ● (503) 254-1794 ● FAX (503) 254-1452

ORELAP 100028

Tetrachloroethylene	2987	0.005	ND	0.0005	EPA 524.2	AB
Toluene	2991	1.0	ND	0.0005	EPA 524.2	AB
Total Xylenes	2955	10.0	ND	0.001	EPA 524.2	AB
Trans-1,2-Dichloroethylene	2979	0.1	ND	0.0005	EPA 524.2	AB
Trichloroethylene	2984	0.005	ND	0.0005	EPA 524.2	AB
Vinyl Chloride	2976	0.002	ND	0.0005	EPA 524.2	AB

LRL = Lab Reporting Limit

Coffey Laboratories, Inc.
12423 N.E. Whitaker Way ● Portland, OR ● 97230 ● (503) 254-1794 ● FAX (503) 254-1452

WATERLAB CORP.

2603 - 12th Street, SE
Salem, OR 97302
Voice: (503) 363-0473
FAX: (503) 363-8900

TEST REPORT

TO: Buell-Red Prairie Water Assn.
PO Box 367
Sheridan, OR 97378

03/30/2005

BUEPRA

PO#:

Collection Information

Date: 01/31/2005
Time: 0900
By: ML
Lab #: 20050131-017
Location: recharge

Lab Receipt Information

01/31/2005
1230
RS

Case Narrative

The analyses were performed according to the guidelines in the WATERLAB Corp Quality Assurance Program. This report contains analytical results for the sample(s) as received by the laboratory.

WATERLAB Corp certifies that this report is in compliance with the requirements of NELAC. No unusual difficulties were experienced during analysis of this batch except as noted below or qualified with data flags on the reports..

Analyte	Results	Qual	Units	Analysis Date	Tech	Method	Acc
Arsenic	ND@0.002		mg/l	03/03/2005	BEM	SM3113B	A
Barium	ND@0.1		mg/l	03/17/2005	BEM	SM3113B	A
Cadmium	ND@0.002		mg/l	03/08/2005	BEM	SM3113B	A
Chromium	ND@0.01		mg/l	03/14/2005	BEM	SM3113B	A
Copper	ND@0.1		mg/l	03/07/2005	BEM	SM3111B	A
Fluoride	ND@0.1		mg/l	01/31/2005	BEM	EPA300.0	A
Iron	ND@0.1		mg/l	03/07/2005	BEM	SM3111B	
Lead	ND@0.002		mg/l	03/18/2005	BEM	SM3113B	A
Manganese	ND@0.01		mg/l	03/07/2005	BEM	SM3111B	A
Mercury	ND@0.001		mg/l	02/15/2005	BEM	SM3112B	A
Selenium	ND@0.002		mg/l	03/23/2005	BEM	SM3113B	A

ND- No Detection at specified limit
SM-"Standard Methods for the Examination of Water & Wastewater",19th ed
EPA- "Methods for Chemical Analysis for Water and Wastes",USEPA
A-ORELAP 100039

Approved by: Kathy E. Myers

WATERLAB CORP.

2603 - 12th Street, SE
Salem, OR 97302
Voice: (503) 363-0473
FAX: (503) 363-8900

TEST REPORT

TO: Buell-Red Prairie Water Assn.
PO Box 367
Sheridan, OR 97378

6/6/2005

BUEPRA

PO#:

Collection Information

Date: 5/24/2005
Time: 0900
By: Recharge
Lab #: 20050524-045
Location: Recharge

Lab Receipt Information

5/24/2005
1530
RS

Case Narrative

The analyses were performed according to the guidelines in the WATERLAB Corp Quality Assurance Program. This report contains analytical results for the sample(s) as received by the laboratory.

WATERLAB Corp certifies that this report is in compliance with the requirements of NELAC. No unusual difficulties were experienced during analysis of this batch except as noted below or qualified with data flags on the reports..

Analyte	Results	Qual	Units	Analysis Date	Tech	Method	Acc
Total Solids, Dissolved	61.0		mg/l	5/29/2005	JTD	SM2540C	A

ND- No Detection at specified limit
SM-"Standard Methods for the Examination of Water & Wastewater",19th ed
EPA- "Methods for Chemical Analysis for Water and Wastes",USEPA
A-ORELAP 100039

Approved by: [signature]

CUSTOMER 1

WATERLAB CORP.

2603 - 12th Street, SE
Salem, OR 97302
Voice: (503) 363-0473
FAX: (503) 363-8900

TEST REPORT

TO: Buell-Red Prairie Water Assn.
PO Box 367
Sheridan, OR 97378

03/30/2005

BUEPRA

PO#:

Collection Information

Date: 01/31/2005
Time: 0900
By: ML
Lab #: 20050131-018
Location: recharge

Lab Receipt Information

01/31/2005
1230
RS

Case Narrative

The analyses were performed according to the guidelines in the WATERLAB Corp Quality Assurance Program. This report contains analytical results for the sample(s) as received by the laboratory.

WATERLAB Corp certifies that this report is in compliance with the requirements of NELAC. No unusual difficulties were experienced during analysis of this batch except as noted below or qualified with data flags on the reports..

Analyte	Results	Qual	Units	Analysis Date	Tech	Method	Acc
Total Solids, Dissolved	65.0		mg/l	02/02/2005	JTD	SM2540C	A

ND- No Detection at specified limit
SM-"Standard Methods for the Examination of Water & Wastewater",19th ed
EPA- "Methods for Chemical Analysis for Water and Wastes",USEPA
A-ORELAP 100039

Approved by: Kathy E. Myers

PERMITEE NAME/ADDRESS
((Include Facility Name/Location if different)

NAME Buell Red Prairie Water District
ADDRESS PO Box 367
Sheridan, OR 97378
FACILITY Recharge Well
LOCATION 23590 Mtn. Springs Rd., Sheridan, OR 97378

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91

RECEIVED
JUN 24 2005
WATER RESOURCES DEPT
SALEM, OREGON

(2-16) PERMIT NUMBER: WRD 51165
(17-19) DISCHARGE #:

MONITORING PERIOD

YEAR (20-21)	MO (22-23)	DAY (24-25)	YEAR (26-27)	MO (28-29)	DAY (30-31)
05	10	01	05	10	31

NOTE: Read instructions before completing form.

PARAMETER (32-37)		(3 Card Only) (45-53) AVERAGE	QUANTITY OR LOADING (54-61) MAXIMUM	UNITS	(4 Card Only) (38-45) MINIMUM	QUALITY OR CONCENTRATION (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Nitrates	SAMPLE MEASUREMENT									01- 31	Grab
	PERMIT REQUIREMENT										
Coliform	SAMPLE MEASUREMENT									01- 31	Grab
	PERMIT REQUIREMENT										
pH	SAMPLE MEASUREMENT									01- 31	Grab
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NO RECHARGE THIS MONTH

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Mark Lyon / System Operator andMaintenance

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LLAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC 1001 AND 33 USC 1319 (Penalties under these statutes may include fines up to #10,000 and or maximum imprisonment of between 6 months and 3 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

AREA CODE	NUMBER	YR	MO	DAY
503	843-2885	05	10	31

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITEE NAME/ADDRESS
((Include Facility Name/Location if different)

NAME Buell Red Prairie Water District
ADDRESS PO Box 367
Sheridan, OR 97378
FACILITY Recharge Well
LOCATION 23590 Mtn. Springs Rd., Sheridan, OR 97378

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91

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(17-19) DISCHARGE #:

MONITORING PERIOD

YEAR (20-21)	MO (22-23)	DAY (24-25)	YEAR (26-27)	MO (28-29)	DAY (30-31)
05	01	01	05	01	31

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PARAMETER (32-37)		(3 Card Only) (45-53) QUANTITY OR LOADING AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Nitrates	SAMPLE MEASUREMENT					<0.1				01- 31	Grab
	PERMIT REQUIREMENT										
Coliform	SAMPLE MEASUREMENT					0				01- 31	Grab
	PERMIT REQUIREMENT										
pH	SAMPLE MEASUREMENT					6.9				01- 31	Grab
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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503	843-2885	05	01	31

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITEE NAME/ADDRESS
((Include Facility Name/Location if different)

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Sheridan, OR 97378
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(2-16) PERMIT NUMBER: WRD 51165
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Approval expires 6-30-91

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YEAR (20-21)	MO (22-23)	DAY (24-25)	YEAR (26-27)	MO (28-29)	DAY (30-31)
05	02	01	05	02	28

NOTE: Read instructions before completing form.

PARAMETER (32-37)		(3 Card Only) (45-53) QUANTITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Nitrates	SAMPLE MEASUREMENT					<0.1				01- 28	Grab
	PERMIT REQUIREMENT										
Coliform	SAMPLE MEASUREMENT					0				01- 28	Grab
	PERMIT REQUIREMENT										
pH	SAMPLE MEASUREMENT					7.1				01- 28	Grab
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

AREA CODE	NUMBER	YR	MO	DAY
503	843-2885	05	02	28

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITEE NAME/ADDRESS
((Include Facility Name/Location if different)

NAME Buell Red Prairie Water District
ADDRESS PO Box 367
Sheridan, OR 97378
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LOCATION 23590 Mtn. Springs Rd., Sheridan, OR 97378

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT

(2-16) PERMIT NUMBER	(17-19) DISCHARGE #
WRD 51165	

MONITORING PERIOD					
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Nitrates	SAMPLE MEASUREMENT					<0.1				01- 31	Grab
	PERMIT REQUIREMENT										
Coliform	SAMPLE MEASUREMENT					0				01- 31	Grab
	PERMIT REQUIREMENT										
pH	SAMPLE MEASUREMENT					7.0				01- 31	Grab
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Mark Lyon / System Operator andMaintenance

TYPED OR PRINTED

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AREA CODE	NUMBER	YR	MO	DAY
503	843-2885	05	03	31

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITEE NAME/ADDRESS
((Include Facility Name/Location if different)

NAME Buell Red Prairie Water District
ADDRESS PO Box 367
Sheridan, OR 97378
FACILITY Recharge Well
LOCATION 23590 Mtn. Springs Rd., Sheridan, OR 97378

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91

(2-16) PERMIT NUMBER	(17-19) DISCHARGE #
WRD 51165	

MONITORING PERIOD

YEAR (20-21)	MO (22-23)	DAY (24-25)	YEAR (26-27)	MO (28-29)	DAY (30-31)
05	04	01	05	04	30

NOTE: Read instructions before completing form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (45-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Nitrates	SAMPLE MEASUREMENT					<0.1				01- 30	Grab
	PERMIT REQUIREMENT										
Coliform	SAMPLE MEASUREMENT					0				01- 30	Grab
	PERMIT REQUIREMENT										
pH	SAMPLE MEASUREMENT					7.1				01- 30	Grab
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Mark Lyon / System Operator andMaintenance

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LLAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC 1001 AND 33 USC 1319 *(Penalties under these statutes may include fines up to #10,000 and or maximum imprisonment of between 6 months and 3 years.)*

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

AREA CODE	NUMBER	YR	MO	DAY
503	843-2885	05	04	30

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITEE NAME/ADDRESS
((Include Facility Name/Location if different)

NAME Buell Red Prairie Water District
ADDRESS PO Box 367
Sheridan, OR 97378
FACILITY Recharge Well
LOCATION 23590 Mtn. Springs Rd., Sheridan, OR 97378

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91

(2-16)	(17-19)
WRD 51165	
PERMIT NUMBER	DISCHARGE #

MONITORING PERIOD

YEAR	MO	DAY		YEAR	MO	DAY
05	05	01		05	05	31
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing form.

PARAMETER (32-37)		(3 Card Only) (45-53) QUANTITY OR LOADING AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Nitrates	SAMPLE MEASUREMENT					<0.1				01- 31	Grab
	PERMIT REQUIREMENT										
Coliform	SAMPLE MEASUREMENT					0				01- 31	Grab
	PERMIT REQUIREMENT										
pH	SAMPLE MEASUREMENT					7.2				01- 31	Grab
	PERMIT REQUIREMENT										
TDS 5/24/05	SAMPLE MEASUREMENT					61.0					Grab
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Mark Lyon / System Operator andMaintenance

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LLAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC 1001 AND 33 USC 1319 (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 3 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

AREA CODE	NUMBER	YR	MO	DAY
503	843-2885	05	05	31

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITEE NAME/ADDRESS
(Include Facility Name/Location if different)

NAME Buell Red Prairie Water District
ADDRESS PO Box 367
Sheridan, OR 97378
FACILITY Recharge Well
LOCATION 23590 Mtn. Springs Rd., Sheridan, OR 97378

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT

(2-16) PERMIT NUMBER: WRD 51165
(17-19) DISCHARGE #:

RECEIVED
JUN 24 2005
WATER RESOURCES DEPT
SALEM, OREGON

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91

MONITORING PERIOD

YEAR (20-21)	MO (22-23)	DAY (24-25)	YEAR (26-27)	MO (28-29)	DAY (30-31)
04	07	01	05	06	30

NOTE: Read instructions before completing form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (45-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Arsenic	SAMPLE MEASUREMENT					ND				1-365	Grab
	PERMIT REQUIREMENT										
Barium	SAMPLE MEASUREMENT					ND				1-365	Grab
	PERMIT REQUIREMENT										
Cadmium	SAMPLE MEASUREMENT					ND				1-365	Grab
	PERMIT REQUIREMENT										
Chromium	SAMPLE MEASUREMENT					ND				1-365	Grab
	PERMIT REQUIREMENT										
Copper	SAMPLE MEASUREMENT					ND				1-365	Grab
	PERMIT REQUIREMENT										
Flouride	SAMPLE MEASUREMENT					ND				1-365	Grab
	PERMIT REQUIREMENT										
Iron	SAMPLE MEASUREMENT					ND				1-365	Grab
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Mark Lyon / System Operator andMaintenance

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

AREA CODE	NUMBER	YR	MO	DAY
503	843-2885	5	1	31

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITEE NAME/ADDRESS
((Include Facility Name/Location if different)

NAME Buell Red Prairie Water District
ADDRESS PO Box 367
Sheridan, OR 97378
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DISCHARGE MONITORING REPORT

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91

(2-16) WRD 51165 PERMIT NUMBER
(17-19) DISCHARGE #

MONITORING PERIOD

YEAR	MO	DAY		YEAR	MO	DAY
04	07	01		05	06	30
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing form.

PARAMETER (32-37)		(3 Card Only) (45-53) QUANTITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Lead	SAMPLE MEASUREMENT					ND				1-365	Grab
	PERMIT REQUIREMENT										
Magnesium	SAMPLE MEASUREMENT					ND				1-365	Grab
	PERMIT REQUIREMENT										
Mercury	SAMPLE MEASUREMENT					ND				1-365	Grab
	PERMIT REQUIREMENT										
Selenium	SAMPLE MEASUREMENT					ND				1-365	Grab
	PERMIT REQUIREMENT										
Silver	SAMPLE MEASUREMENT					ND				1-365	Grab
	PERMIT REQUIREMENT										
TDS	SAMPLE MEASUREMENT					65.0				1-365	Grab
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT									1-365	Grab
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

AREA CODE	NUMBER	YR	MO	DAY
503	843-2885	5	7	31

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITEE NAME/ADDRESS
((Include Facility Name/Location if different)

NAME Buell Red Prairie Water District
ADDRESS PO Box 367
Sheridan, OR 97378
FACILITY Recharge Well
LOCATION 23590 Mtn. Springs Rd., Sheridan, OR 97378

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91

(2-16) PERMIT NUMBER	(17-19) DISCHARGE #
WRD 51165	

MONITORING PERIOD

YEAR	MO	DAY		YEAR	MO	DAY
04	07	01		05	06	30
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (45-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Bromodichloromethane	SAMPLE MEASUREMENT					.0060				1-365	Grab
	PERMIT REQUIREMENT										
Bromoform	SAMPLE MEASUREMENT					ND				1-365	Grab
	PERMIT REQUIREMENT										
Chloroform	SAMPLE MEASUREMENT					.0428				1-365	Grab
	PERMIT REQUIREMENT										
Dibromochloromethane	SAMPLE MEASUREMENT					.0046				1-365	Grab
	PERMIT REQUIREMENT										
TTHMs - Total	SAMPLE MEASUREMENT					.0534				1-365	Grab
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Mark Lyon / System Operator
andMaintenance

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

AREA CODE	NUMBER	YR	MO	DAY
503	843-2885	5	1	31

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITEE NAME/ADDRESS
((Include Facility Name/Location if different)

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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT

(2-16)	(17-19)
WRD 51165	
PERMIT NUMBER	DISCHARGE #

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91

MONITORING PERIOD

YEAR	MO	DAY		YEAR	MO	DAY
04	11	01		04	11	31
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing form.

PARAMETER (32-37)		(3 Card Only) (45-53) QUANTITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Nitrates	SAMPLE MEASUREMENT					<0.1				01- 31	Grab
	PERMIT REQUIREMENT										
Coliform	SAMPLE MEASUREMENT					0				01- 31	Grab
	PERMIT REQUIREMENT										
pH	SAMPLE MEASUREMENT					7.2				01- 31	Grab
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

AREA CODE	NUMBER	YR	MO	DAY
503	843-2885	04	11	31

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITEE NAME/ADDRESS
((Include Facility Name/Location if different)

NAME Buell Red Prairie Water District
ADDRESS PO Box 367
Sheridan, OR 97378
FACILITY Recharge Well
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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT

(2-16)	(17-19)
WRD 51165	
PERMIT NUMBER	DISCHARGE #

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OMB No. 2040-0004.
Approval expires 6-30-91

MONITORING PERIOD

YEAR	MO	DAY		YEAR	MO	DAY
04	12	01		04	12	31
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing form.

PARAMETER (32-37)		(3 Card Only) (45-53) QUANTITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	AVERAGE	MAXIMUM (54-61)	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Nitrates	SAMPLE MEASUREMENT					<0.1				01- 31	Grab
	PERMIT REQUIREMENT										
Coliform	SAMPLE MEASUREMENT					0				01- 31	Grab
	PERMIT REQUIREMENT										
pH	SAMPLE MEASUREMENT					6.9				01- 31	Grab
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

AREA CODE	NUMBER	YR	MO	DAY
503	843-2885	04	12	31

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITEE NAME/ADDRESS
(Include Facility Name/Location if different)

NAME Buell Red Prairie Water District
ADDRESS PO Box 367
Sheridan, OR 97378
FACILITY Recharge Well
LOCATION 23590 Mtn. Springs Rd., Sheridan, OR 97378

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT

(2-16)	(17-19)
WRD 51165	
PERMIT NUMBER	DISCHARGE #

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
04	01	01	04	01	31
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91

RECEIVED
FEB 17 2004
WATER RESOURCES DEPT
SALEM, OREGON

NOTE: Read instructions before completing form.

PARAMETER (32-37)		QUANTITY OR LOADING (3 Card Only) (45-53) AVERAGE	QUANTITY OR LOADING (54-61) MAXIMUM	UNITS	QUALITY OR CONCENTRATION (4 Card Only) (38-45) MINIMUM	QUALITY OR CONCENTRATION (46-53) AVERAGE	QUALITY OR CONCENTRATION (54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Nitrates	SAMPLE MEASUREMENT					<0.1				01- 31	Grab
	PERMIT REQUIREMENT										
Coliform	SAMPLE MEASUREMENT					0				01- 31	Grab
	PERMIT REQUIREMENT										
pH	SAMPLE MEASUREMENT					6.8				01- 31	Grab
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Mark Lyon / System Operator andMaintenance

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

AREA CODE	NUMBER	YR	MO	DAY
503	843-2885	04	01	31

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITEE NAME/ADDRESS
((Include Facility Name/Location if different)

NAME Buell Red Prairie Water District
ADDRESS PO Box 367
Sheridan, OR 97378
FACILITY Recharge Well
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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT

(2-16)	(17-19)
WRD 51165	
PERMIT NUMBER	DISCHARGE #

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
04	02	01	04	02	29
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91

RECEIVED
FEB 25 2004
WATER RESOURCES DEPT
SALEM, OREGON

NOTE: Read instructions before completing form.

PARAMETER (32-37)		(3 Card Only) (45-53) QUANTITY OR LOADING AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Nitrates	SAMPLE MEASUREMENT					<0.1				01- 29	Grab
	PERMIT REQUIREMENT										
Coliform	SAMPLE MEASUREMENT					0				01- 29	Grab
	PERMIT REQUIREMENT										
pH	SAMPLE MEASUREMENT					6.9				01- 29	Grab
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

AREA CODE	NUMBER	YR	MO	DAY
503	843-2885	04	02	29

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITEE NAME/ADDRESS
((Include Facility Name/Location if different)

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(2-16) PERMIT NUMBER	(17-19) DISCHARGE #
WRD 51165	

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
04	01	01	04	01	31
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

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PARAMETER (32-37)		(3 Card Only) (45-53) QUANTITY OR LOADING AVERAGE	MAXIMUM (54-61)	UNITS	(4 Card Only (38-45) QUALITY OR CONCENTRATION MINIMUM	AVERAGE (46-53)	MAXIMUM (54-61)	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Nitrates	SAMPLE MEASUREMENT					<0.1				01- 31	Grab
	PERMIT REQUIREMENT										
Coliform	SAMPLE MEASUREMENT					0				01- 31	Grab
	PERMIT REQUIREMENT										
pH	SAMPLE MEASUREMENT					6.8				01- 31	Grab
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

503	843-2885	04	01	31
AREA CODE	NUMBER	YR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITEE NAME/ADDRESS
((Include Facility Name/Location if different)

NAME Buell Red Prairie Water District
ADDRESS PO Box 367
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LOCATION 23590 Mtn. Springs Rd.. Sheridan. OR 97378

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DISCHARGE MONITORING REPORT

(2-16)	(17-19)
WRD 51165	
PERMIT NUMBER	DISCHARGE #

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MONITORING PERIOD

YEAR	MO	DAY		YEAR	MO	DAY
04	02	01		04	02	29
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing form.

PARAMETER (32-37)		(3 Card Only) (45-53) QUANTITY OR LOADING AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Nitrates	SAMPLE MEASUREMENT					<0.1				01- 29	Grab
	PERMIT REQUIREMENT										
Coliform	SAMPLE MEASUREMENT					0				01- 29	Grab
	PERMIT REQUIREMENT										
pH	SAMPLE MEASUREMENT					6.9				01- 29	Grab
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Mark Lyon / System Operator andMaintenance

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LLAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC 1001 AND 33 USC 1319 (Penalties under these statutes may include fines up to #10,000 and or maximum imprisonment of between 6 months and 3 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

503	843-2885	04	02	29
AREA CODE	NUMBER	YR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITEE NAME/ADDRESS
((Include Facility Name/Location if different)

NAME Buell Red Prairie Water District
ADDRESS PO Box 367
Sheridan, OR 97378
FACILITY Recharge Well
LOCATION 23590 Mtn. Springs Rd., Sheridan, OR 97378

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91

(2-16) PERMIT NUMBER	(17-19) DISCHARGE #
WRD 51165	

MONITORING PERIOD

YEAR (20-21)	MO (22-23)	DAY (24-25)	YEAR (26-27)	MO (28-29)	DAY (30-31)
04	03	01	04	03	31

NOTE: Read instructions before completing form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (45-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Nitrates	SAMPLE MEASUREMENT					<0.1				01- 31	Grab
	PERMIT REQUIREMENT										
Coliform	SAMPLE MEASUREMENT					0				01- 31	Grab
	PERMIT REQUIREMENT										
pH	SAMPLE MEASUREMENT					7.2				01- 31	Grab
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Mark Lyon / System Operator andMaintenance

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

AREA CODE	NUMBER	YR	MO	DAY
503	843-2885	04	03	31

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITEE NAME/ADDRESS
((Include Facility Name/Location if different)

NAME Buell Red Prairie Water District
ADDRESS PO Box 367
Sheridan. OR 97378
FACILITY Recharge Well
LOCATION 23590 Mtn. Springs Rd.. Sheridan. OR 97378

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT

(2-16)	(17-19)
WRD 51165	
PERMIT NUMBER	DISCHARGE #

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91

MONITORING PERIOD

YEAR	MO	DAY		YEAR	MO	DAY
04	04	01		04	04	30
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing form.

PARAMETER (32-37)		(3 Card Only) (45-53) QUANTITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Nitrates	SAMPLE MEASUREMENT					<0.1				01- 30	Grab
	PERMIT REQUIREMENT										
Coliform	SAMPLE MEASUREMENT					0				01- 30	Grab
	PERMIT REQUIREMENT										
pH	SAMPLE MEASUREMENT					7.2				01- 30	Grab
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

AREA CODE	NUMBER	YR	MO	DAY
503	843-2885	04	04	30

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITEE NAME/ADDRESS
((Include Facility Name/Location if different)

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Sheridan. OR 97378
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LOCATION 23590 Mtn. Springs Rd.. Sheridan. OR 97378

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT

(2-16)	(17-19)
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PERMIT NUMBER	DISCHARGE #

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MONITORING PERIOD

YEAR	MO	DAY		YEAR	MO	DAY
04	05	01		04	05	31
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

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PARAMETER (32-37)		(3 Card Only) (45-53) QUANTITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	AVERAGE	MAXIMUM (54-61)	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Nitrates	SAMPLE MEASUREMENT					<0.1				01- 31	Grab
	PERMIT REQUIREMENT										
Coliform	SAMPLE MEASUREMENT					0				01- 31	Grab
	PERMIT REQUIREMENT										
pH	SAMPLE MEASUREMENT					7.2				01- 31	Grab
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

AREA CODE	NUMBER	YR	MO	DAY
503	843-2885	04	05	31

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITEE NAME/ADDRESS
((Include Facility Name/Location if different)

NAME Buell Red Prairie Water District
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Sheridan, OR 97378
FACILITY Recharge Well
LOCATION 23590 Mtn. Springs Rd., Sheridan, OR 97378

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT

(2-16)	(17-19)
WRD 51165	
PERMIT NUMBER	DISCHARGE #

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Approval expires 6-30-91

MONITORING PERIOD

YEAR	MO	DAY	YEAR	MO	DAY
03	07	01	04	06	30
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing form.

PARAMETER (32-37)		(3 Card Only) (45-53) QUANTITY OR LOADING AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only (38-45) MINIMUM	(46-53) QUALITY OR CONCENTRATION AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Arsenic	SAMPLE MEASUREMENT					ND				1-365	Grab
	PERMIT REQUIREMENT										
Barium	SAMPLE MEASUREMENT					ND				1-365	Grab
	PERMIT REQUIREMENT										
Cadmium	SAMPLE MEASUREMENT					ND				1-365	Grab
	PERMIT REQUIREMENT										
Chromium	SAMPLE MEASUREMENT					ND				1-365	Grab
	PERMIT REQUIREMENT										
Copper	SAMPLE MEASUREMENT					ND				1-365	Grab
	PERMIT REQUIREMENT										
Flouride	SAMPLE MEASUREMENT					ND				1-365	Grab
	PERMIT REQUIREMENT										
Iron	SAMPLE MEASUREMENT					ND				1-365	Grab
	PERMIT REQUIREMENT										

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

AREA CODE	NUMBER	YR	MO	DAY
503	843-2885			

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITEE NAME/ADDRESS
((Include Facility Name/Location if different)

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ADDRESS PO Box 367
Sheridan, OR 97378
FACILITY Recharge Well
LOCATION 23590 Mtn. Springs Rd., Sheridan, OR 97378

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT

(2-16) WRD 51165 — PERMIT NUMBER
(17-19) DISCHARGE #

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91

MONITORING PERIOD

YEAR	MO	DAY		YEAR	MO	DAY
03	07	01		04	06	30
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

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PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (45-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Lead	SAMPLE MEASUREMENT					ND				1-365	Grab
	PERMIT REQUIREMENT										
Magnesium	SAMPLE MEASUREMENT					1.6				1-365	Grab
	PERMIT REQUIREMENT										
Mercury	SAMPLE MEASUREMENT					ND				1-365	Grab
	PERMIT REQUIREMENT										
Selenium	SAMPLE MEASUREMENT					ND				1-365	Grab
	PERMIT REQUIREMENT										
Silver	SAMPLE MEASUREMENT					ND				1-365	Grab
	PERMIT REQUIREMENT										
TDS	SAMPLE MEASUREMENT					72				1-365	Grab
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT									1-365	Grab
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Mark Lyon / System Operator andMaintenance

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

AREA CODE 503 | NUMBER 843-2885 | YR | MO | DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITEE NAME/ADDRESS
(Include Facility Name/Location if different)

NAME Buell Red Prairie Water District
ADDRESS PO Box 367
Sheridan, OR 97378
FACILITY Recharge Well
LOCATION 23590 Mtn. Springs Rd., Sheridan, OR 97378

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91

(2-16)	(17-19)
WRD 51165	
PERMIT NUMBER	DISCHARGE #

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
03	07	01	04	06	30
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing form.

PARAMETER (32-37)		(3 Card Only) (45-53) QUANTITY OR LOADING AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only (38-45) MINIMUM	(46-53) QUALITY OR CONCENTRATION AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Bromodichloromethane	SAMPLE MEASUREMENT					0.0018				1-365	Grab
	PERMIT REQUIREMENT										
Bromoform	SAMPLE MEASUREMENT					ND				1-365	Grab
	PERMIT REQUIREMENT										
Chloroform	SAMPLE MEASUREMENT					0.219				1-365	Grab
	PERMIT REQUIREMENT										
Dibromochloromethane	SAMPLE MEASUREMENT					ND				1-365	Grab
	PERMIT REQUIREMENT										
TTHMs - Total	SAMPLE MEASUREMENT					0.237				1-365	Grab
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

AREA CODE	NUMBER	YR	MO	DAY
503	843-2885			

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITEE NAME/ADDRESS
(Include Facility Name/Location if different)

NAME Buell Red Prairie Water District
ADDRESS PO Box 367
Sheridan, OR 97378
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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT

Form Approved.
OMB No. 2040-0004
Approval expires 6-30-91

RECEIVED
MAY 19 2004
WATER RESOURCES DEPT
SALEM, OREGON

(2-16) PERMIT NUMBER	(17-19) DISCHARGE #
WRD 51165	

MONITORING PERIOD

YEAR (20-21)	MO (22-23)	DAY (24-25)	YEAR (26-27)	MO (28-29)	DAY (30-31)
03	10	01	04	05	31

NOTE: Read instructions before completing form.

PARAMETER (32-37)		(3 Card Only) (45-53) QUANTITY OR LOADING AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Lead	SAMPLE MEASUREMENT					—				1-365	Grab
	PERMIT REQUIREMENT										
Magnesium	SAMPLE MEASUREMENT					1.6 mg/l					
	PERMIT REQUIREMENT										
Selenium	SAMPLE MEASUREMENT					—					
	PERMIT REQUIREMENT										
Silver	SAMPLE MEASUREMENT					—					
	PERMIT REQUIREMENT										
TDS	SAMPLE MEASUREMENT					72 mg/l					
	PERMIT REQUIREMENT										
Mercury	SAMPLE MEASUREMENT					—					
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

AREA CODE	NUMBER	YR	MO	DAY
503	843-2885 (2675)			

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITEE NAME/ADDRESS
((Include Facility Name/Location if different)

NAME Buell Red Prairie Water District
ADDRESS PO Box 367
Sheridan, OR 97378
FACILITY Recharge Well
LOCATION 23590 Mtn. Springs Rd., Sheridan, OR 97378

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT

(2-16) WRD 51165 PERMIT NUMBER
(17-19) DISCHARGE #

MONITORING PERIOD

YEAR	MO	DAY		YEAR	MO	DAY
03 (20-21)	10 (22-23)	01 (24-25)		04 (26-27)	05 (28-29)	31 (30-31)

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91

RECEIVED
MAY 19 2004
WATER RESOURCES DEPT
SALEM, OREGON

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PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (45-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Arsenic	SAMPLE MEASUREMENT					—				1-365	Grab
	PERMIT REQUIREMENT										
Barium	SAMPLE MEASUREMENT					—					
	PERMIT REQUIREMENT										
Cadmium	SAMPLE MEASUREMENT					—					
	PERMIT REQUIREMENT										
Chromium, Total	SAMPLE MEASUREMENT					—					
	PERMIT REQUIREMENT										
Copper	SAMPLE MEASUREMENT					—					
	PERMIT REQUIREMENT										
Flouride	SAMPLE MEASUREMENT					—					
	PERMIT REQUIREMENT										
Iron	SAMPLE MEASUREMENT					—					
	PERMIT REQUIREMENT										

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

AREA CODE 503 NUMBER 843-2675 (2885) YR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITEE NAME/ADDRESS
((Include Facility Name/Location if different)

NAME Buell Red Prairie Water District
ADDRESS PO Box 367
Sheridan, OR 97378
FACILITY Recharge Well
LOCATION 23590 Mtn. Springs Rd., Sheridan, OR 97378

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT

(2-16)	(17-19)
WRD 51165	
PERMIT NUMBER	DISCHARGE #

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
03	10	01	04	05	31
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

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WATER RESOURCES DEPT
SALEM, OREGON

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PARAMETER (32-37)		(3 Card Only) (45-53) QUANTITY OR LOADING AVERAGE	MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION MINIMUM	AVERAGE (46-53)	MAXIMUM (54-61)	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Bromodichloromethane	SAMPLE MEASUREMENT					.0018				1-365	Grab
	PERMIT REQUIREMENT										
Bromoform	SAMPLE MEASUREMENT					—					
	PERMIT REQUIREMENT										
Chloroform	SAMPLE MEASUREMENT					.021					
	PERMIT REQUIREMENT										
Dibromochloromethane	SAMPLE MEASUREMENT					—					
	PERMIT REQUIREMENT										
TTHMs Total	SAMPLE MEASUREMENT					.0237					
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

AREA CODE	NUMBER	YR	MO	DAY
503	843-2675 x 285			

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITEE NAME/ADDRESS
((Include Facility Name/Location if different)

NAME Buell Red Prairie Water District
ADDRESS PO Box 367
Sheridan. OR 97378
FACILITY Recharge Well
LOCATION 23590 Mtn. Springs Rd.. Sheridan. OR 97378

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT

(2-16)	(17-19)
WRD 51165	
PERMIT NUMBER	DISCHARGE #

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
03	10	01	03	10	31
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91

NOTE: Read instructions before completing form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (45-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Nitrates	SAMPLE MEASUREMENT									01- 31	Grab
	PERMIT REQUIREMENT										
Coliform	SAMPLE MEASUREMENT									01- 31	Grab
	PERMIT REQUIREMENT										
pH	SAMPLE MEASUREMENT									01- 31	Grab
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NO RECHARGE THIS MONTH

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Mark Lyon / System Operator andMaintenance

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LLAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC 1001 AND 33 USC 1319 *(Penalties under these statutes may include fines up to #10,000 and or maximum imprisonment of between 6 months and 3 years.)*

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

503	843-2885	03	10	31
AREA CODE	NUMBER	YR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITEE NAME/ADDRESS
((Include Facility Name/Location if different)

NAME Buell Red Prairie Water District
ADDRESS PO Box 367
Sheridan. OR 97378
FACILITY Recharge Well
LOCATION 23590 Mtn. Springs Rd.. Sheridan. OR 97378

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT

(2-16)	*(17-19)*
WRD 51165	
PERMIT NUMBER	DISCHARGE #

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91

MONITORING PERIOD

YEAR	MO	DAY		YEAR	MO	DAY
03	11	01		03	11	30
(20-21)	*(22-23)*	*(24-25)*		*(26-27)*	*(28-29)*	*(30-31)*

NOTE: Read instructions before completing form.

PARAMETER *(32-37)*		*(3 Card Only)* QUANTITY OR LOADING *(45-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	*(4 Card Only)* QUALITY OR CONCENTRATION *(38-45)* MINIMUM	*(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	NO. EX *(62-63)*	FREQUENCY OF ANALYSIS *(64-68)*	SAMPLE TYPE *(69-70)*
Nitrates	SAMPLE MEASUREMENT									01- 30	Grab
	PERMIT REQUIREMENT										
Coliform	SAMPLE MEASUREMENT									01- 30	Grab
	PERMIT REQUIREMENT										
pH	SAMPLE MEASUREMENT									01- 30	Grab
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NO RECHARGE THIS MONTH

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Mark Lyon / System Operator andMaintenance

TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

503	843-2885	03	11	30
AREA CODE	NUMBER	YR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITEE NAME/ADDRESS
(Include Facility Name/Location if different)

NAME Buell Red Prairie Water District
ADDRESS PO Box 367
Sheridan. OR 97378
FACILITY Recharge Well
LOCATION 23590 Mtn. Springs Rd.. Sheridan. OR 97378

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT

(2-16)	(17-19)
WRD 51165	
PERMIT NUMBER	DISCHARGE #

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91

MONITORING PERIOD

YEAR	MO	DAY		YEAR	MO	DAY
03	12	01		03	12	31
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing form.

PARAMETER (32-37)		(3 Card Only) (45-53) QUANTITY OR LOADING AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Nitrates	SAMPLE MEASUREMENT					<0.1				01- 31	Grab
	PERMIT REQUIREMENT										
Coliform	SAMPLE MEASUREMENT					0				01- 31	Grab
	PERMIT REQUIREMENT										
pH	SAMPLE MEASUREMENT					7.0				01- 31	Grab
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Mark Lyon / System Operator andMaintenance

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LLAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC 1001 AND 33 USC 1319 *(Penalties under these statutes may include fines up to #10,000 and or maximum imprisonment of between 6 months and 3 years.)*

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

AREA CODE	NUMBER	YR	MO	DAY
503	843-2885	03	12	31

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITTEE NAME/ADDRESS
((Include Facility Name/Location if different)

NAME Buell Red Prairie Water District
ADDRESS PO Box 367
Sheridan, OR 97378
FACILITY Recharge Well
LOCATION 23590 Mtn. Springs Rd., Sheridan, OR 97378

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT

(2-16) WRD 51165 — PERMIT NUMBER
(17-19) — DISCHARGE #

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91

RECEIVED
FEB 17 2004
WATER RESOURCES DEPT
SALEM, OREGON

NOTE: Read Instructions before completing form.

MONITORING PERIOD					
YEAR (20-21)	MO (22-23)	DAY (24-25)	YEAR (26-27)	MO (28-29)	DAY (30-31)
03	10	01	03	10	31

PARAMETER (32-37)		QUANTITY OR LOADING (3 Card Only) (45-53) AVERAGE	QUANTITY OR LOADING (54-61) MAXIMUM	UNITS	QUALITY OR CONCENTRATION (4 Card Only) (38-45) MINIMUM	QUALITY OR CONCENTRATION (46-53) AVERAGE	QUALITY OR CONCENTRATION (54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Nitrates	SAMPLE MEASUREMENT									01- 31	Grab
	PERMIT REQUIREMENT										
Coliform	SAMPLE MEASUREMENT									01- 31	Grab
	PERMIT REQUIREMENT										
pH	SAMPLE MEASUREMENT									01- 31	Grab
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NO RECHARGE THIS MONTH

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Mark Lyon / System Operator andMaintenance

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LLAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC 1001 AND 33 USC 1319 (Penalties under these statutes may include fines up to #10,000 and or maximum imprisonment of between 6 months and 3 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

AREA CODE	NUMBER	YR	MO	DAY
503	843-2885	03	10	31

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITEE NAME/ADDRESS
(Include Facility Name/Location if different)

NAME Buell Red Prairie Water District
ADDRESS PO Box 367
Sheridan, OR 97378
FACILITY Recharge Well
LOCATION 23590 Mtn. Springs Rd., Sheridan, OR 97378

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT

(2-16) WRD 51165 PERMIT NUMBER
(17-19) DISCHARGE #

MONITORING PERIOD

YEAR	MO	DAY		YEAR	MO	DAY
03	11	01		03	11	30
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91

RECEIVED
FEB 17 2004
WATER RESOURCES DEPT
SALEM, OREGON

NOTE: Read instructions before completing form.

PARAMETER (32-37)		(3 Card Only) (45-53) QUANTITY OR LOADING AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Nitrates	SAMPLE MEASUREMENT									01- 30	Grab
	PERMIT REQUIREMENT										
Coliform	SAMPLE MEASUREMENT									01- 30	Grab
	PERMIT REQUIREMENT										
pH	SAMPLE MEASUREMENT									01- 30	Grab
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NO RECHARGE THIS MONTH

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Mark Lyon / System Operator andMaintenance

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

AREA CODE	NUMBER	YR	MO	DAY
503	843-2885	03	11	30

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITEE NAME/ADDRESS
((Include Facility Name/Location if different)

NAME Buell Red Prairie Water District
ADDRESS PO Box 367
Sheridan, OR 97378
FACILITY Recharge Well
LOCATION 23590 Mtn. Springs Rd., Sheridan, OR 97378

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT

(2-16) WRD 51165 PERMIT NUMBER
(17-19) DISCHARGE #

MONITORING PERIOD

YEAR	MO	DAY		YEAR	MO	DAY
03	12	01		03	12	31
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91

RECEIVED
FEB 17 2004
WATER RESOURCES DEPT
SALEM, OREGON

NOTE: Read instructions before completing form.

PARAMETER (32-37)		(3 Card Only) (45-53) QUANTITY OR LOADING AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Nitrates	SAMPLE MEASUREMENT					<0.1				01- 31	Grab
	PERMIT REQUIREMENT										
Coliform	SAMPLE MEASUREMENT					0				01- 31	Grab
	PERMIT REQUIREMENT										
pH	SAMPLE MEASUREMENT					7.0				01- 31	Grab
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Mark Lyon / System Operator andMaintenance

TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

AREA CODE	NUMBER	YR	MO	DAY
503	843-2885	03	12	31

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITEE NAME/ADDRESS
((Include Facility Name/Location if different)

NAME Buell Red Prairie Water District
ADDRESS PO Box 367
Sheridan OR 97378
FACILITY Recharge Well
LOCATION 23590 Mtn. Springs Rd., Sheridan OR 97378

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT

(2-16)	(17-19)
WRD 5165	
PERMIT NUMBER	DISCHARGE #

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91

MONITORING PERIOD

YEAR	MO	DAY		YEAR	MO	DAY
02	12	01		02	12	31
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing form.

PARAMETER (32-37)		(3 Card Only) (45-53) QUANTITY OR LOADING (54-61)			(4 Card Only (38-45) QUALITY OR CONCENTRATION (46-53)		(54-61)		NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
Nitrates	SAMPLE MEASUREMENT									0 - 31	Grab
	PERMIT REQUIREMENT										
Coliform	SAMPLE MEASUREMENT									0 - 31	Grab
	PERMIT REQUIREMENT										
pH	SAMPLE MEASUREMENT									0 - 31	Grab
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NO RECHARGE THIS MONTH

RECEIVED
JAN 09 2003
WATER RESOURCES DEPT.
SALEM, OREGON

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Mark Lyon / System Operator
andMaintenance

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LLAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC 1001 AND

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

AREA CODE	NUMBER	YR	MO	DAY
503	843-2885	02	12	31

COMMENT AND EXPLANATION OF ANY VIOLATIONS

a 66101 a G-12608
φ 55165 pG-13521

PERMITEE NAME/ADDRESS
((Include Facility Name/Location if different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91

NAME Buell Red Prairie Water District
ADDRESS PO Box 367
Sheridan OR 97378
FACILITY Recharge Well
LOCATION 23590 Mtn. Springs Rd., Sheridan OR 97378

(2-16)	(17-19)
WRD 5165	
PERMIT NUMBER	DISCHARGE #

MONITORING PERIOD

YEAR	MO	DAY	YEAR	MO	DAY
03	02	01	03	02	28
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing form.

PARAMETER (32-37)		QUANTITY OR LOADING (3 Card Only) (45-53) AVERAGE	(54-61) MAXIMUM	UNITS	QUALITY OR CONCENTRATION (4 Card Only) (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Nitrates	SAMPLE MEASUREMENT					<0.1				0 - 28	Grab
	PERMIT REQUIREMENT										
Coliform	SAMPLE MEASUREMENT					0				0 - 28	Grab
	PERMIT REQUIREMENT										
pH	SAMPLE MEASUREMENT					6.8				0 - 28	Grab
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

RECEIVED
MAR 04 2003
WATER RESOURCES DEPT.
SALEM, OREGON

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Mark Lyon / System Operator andMaintenance

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LLAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC 1001 AND

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

AREA CODE	NUMBER	YR	MO	DAY
503	843-2885	03	02	28

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITEE NAME/ADDRESS
((Include Facility Name/Location if different)

NAME Buell Red Prairie Water District
ADDRESS PO Box 367
Sheridan, OR 97378
FACILITY Recharge Well
LOCATION 23590 Mtn. Springs Rd., Sheridan, OR 97378

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT

(2-16) PERMIT NUMBER	(17-19) DISCHARGE #
WRD 51165	

MONITORING PERIOD					
YEAR (20-21)	MO (22-23)	DAY (24-25)	YEAR (26-27)	MO (28-29)	DAY (30-31)
99	10	1	00	5	31

Form Approved.
OMB No. 2040-0004.
Approval expires

RECEIVED
MAY 23 2000
WATER RESOURCES DEP
SALEM, OREGON

NOTE: Read instructions before completing form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (45-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
TDS	SAMPLE MEASUREMENT					78				1/360	Grab
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
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	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Mark Lyon / System Operator andMaintenance

TYPED OR PRINTED

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33 USC 1319 (Penalties under these statutes may include fines up to #10,000 and or maximum imprisonment of between 6 months and 3 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

AREA CODE	NUMBER	YR	MO	DAY
503	843-2675			

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if different)*

NAME Buell Red Prairie Water Association

ADDRESS 6890 Frank Road

Sheridan Oregon 97378

Office Phone 843-2218

FACILITY Recharge Well

LOCATION 23000 Block Mountian Springs Road

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

(2-16) PERMIT NUMBER: WRD-51165

(17-19) DISCHARGE NUMBER: N/A

Form Approved.
OMB No. 2040-0004
Approval expires 6-30-91

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	91	04	01	TO	91	04	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Total Coliform	SAMPLE MEASUREMENT						None Present		0	1-30	Grab
	PERMIT REQUIREMENT						<1/100 ml				
Nitrates	SAMPLE MEASUREMENT						<0.1		0	1-30	Grab
	PERMIT REQUIREMENT						5.0 mg/l				
P.H.	SAMPLE MEASUREMENT						7.0 Sml		0	1-30	Grab
	PERMIT REQUIREMENT				6.5		8.5 Sml		XXXXXXXXXX		
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

RECEIVED
MAY 3 1991
STATE OF OREGON
DEPARTMENT OF ENVIRONMENTAL QUALITY
SALEM, OR 97310

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Donald L. Capistran
System Operator and Maintenance

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*

Donald L. Capistran
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY
503	843-4908	91	05	03

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

Paperwork Reduction Act Notice

Public reporting burden for this collection of information is estimated to vary from a range of 10 hours as an average per response for some minor facilities, to 110 hours as an average per response for some major facilities, with a weighted average for major and minor facilities of 18 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

General Instructions

1. If form has been partially completed by preprinting, disregard instructions directed at entry of that information already preprinted.
2. Enter *"Permittee Name/Mailing Address* (and facility name/location, if different)," *"Permit Number,"* and *"Discharge Number"* where indicated. (A separate form is required for each discharge.)
3. Enter dates beginning and ending *"Monitoring Period"* covered by form where indicated.
4. Enter each *"Parameter"* as specified in monitoring requirements of permit.
5. Enter *"Sample Measurement"* data for each parameter under *"Quantity"* and *"Quality"* in units specified in permit. *"Average"* is normally arithmetic average (geometric average for bacterial parameters) of all sample measurements for each parameter obtained during *"Monitoring Period"*; *"Maximum"* and *"Minimum"* are normally extreme high and low measurements obtained during *"Monitoring Period."* **(Note to municipals with secondary treatment requirement:** Enter 30-day average of sample measurements under *"Average,"* and enter maximum 7-day average of sample measurements obtained during monitoring period under *"Maximum."***)**
6. Enter *"Permit Requirement"* for each parameter under *"Quantity"* and *"Quality"* as specified in permit.
7. Under *"No Ex"* enter number of sample measurements during monitoring period that exceed maximum (and/or minimum or 7-day average as appropriate) permit requirement for each parameter. If none, enter *"O."*
8. Enter *"Frequency of Analysis"* both as *"Sample Measurement"* (actual frequency of sampling and analysis used during monitoring period) and as *"Permit Requirement"* specified in permit. (e.g., Enter *"Cont, "* for continuous monitoring, *"1/7"* for one day per week, *"1/30"* for one day per month, *"1/90"* for one day per quarter, etc.)
9. Enter *"Sample Type"* both as *"Sample Measurement"* (actual sample type used during monitoring period) and as *"Permit Requirement, "* (e.g., Enter *"Grab"* for individual sample, *"24HC"* for 24-hour composite, *"N/A" for continuous monitoring, etc.)*
10. Where violations of permit requirements are reported, attach a brief explanation to describe cause and corrective actions taken, and reference each violation by date.
11. If "no discharge" occurs during monitoring period, enter *"No Discharge"* across form in place of data entry.
12. Enter *"Name/Title of Principal Executive Officer"* with *"Signature of Principal Executive Officer of Authorized Agent," "Telephone Number,"* and *"Date"* at bottom of form.
13. Mail signed Report to Office(s) by date(s) specified in permit. Retain copy for your records.
14. More detailed instructions for use of this *Discharge Monitoring Report (DMR)* form may be obtained from Office(s) specified in permit.

Legal Notice

This report is required by law (33 U.S.C. 1318; 40 C.F.R. 125.27). Failure to report or failure to report truthfully can result in civil penalties not to exceed $10,000 per day of violation; or in criminal penalties not to exceed $25,000 per day of violation, or by imprisonment for not more than one year, or by both.

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if different)*

NAME BUELL RED PARIRIE WATER ASSOCIATION

ADDRESS 6890 Frank Road
Sheridan Oregon 97378
Phone 843-2218

FACILITY Recharge Well

LOCATION 23000 Blk. Mountian Springs Road

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

(2-16)	(17-19)
WRD-51165	N/A
PERMIT NUMBER	DISCHARGE NUMBER

Form Approved.
OMB No. 2040-0004
Approval expires 6-30-91

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	91	05	1	TO	91	05	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		QUANTITY OR LOADING (3 Card Only) (46-53) AVERAGE	MAXIMUM (54-61)	UNITS	QUALITY OR CONCENTRATION (4 Card Only) (38-45) MINIMUM	AVERAGE (46-53)	MAXIMUM (54-61)	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Total Coliform	SAMPLE MEASUREMENT						Absent 0		0	1-30	Grab
	PERMIT REQUIREMENT						<1/100 ml		[redacted]	[redacted]	
Nitrogen Nitrate	SAMPLE MEASUREMENT						<0.1		0	1-30	Grab
	PERMIT REQUIREMENT						5.0mg/l				
P.H.	SAMPLE MEASUREMENT						7.4mg/l		0	1-30	Grab
	PERMIT REQUIREMENT				6.5		8.5				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

RECEIVED
JUN 06 1991
STATE OF OREGON
DEPARTMENT OF ENVIRONMENTAL QUALITY
SALEM, OR 97310

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Donald L. Capistran
System Operator and Maintenance

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*

Donald L. Capistran
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	843-4908	91	06	03
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

Paperwork Reduction Act Notice

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6. Enter *"Permit Requirement"* for each parameter under *"Quantity"* and *"Quality"* as specified in permit.
7. Under *"No Ex"* enter number of sample measurements during monitoring period that exceed maximum (and/or minimum or 7-day average as appropriate) permit requirement for each parameter. If none, enter *"O."*
8. Enter *"Frequency of Analysis"* both as *"Sample Measurement"* (actual frequency of sampling and analysis used during monitoring period) and as *"Permit Requirement"* specified in permit. (e.g., Enter *"Cont,"* for continuous monitoring, *"1/7"* for one day per week, *"1/30"* for one day per month, *"1/90"* for one day per quarter, etc.)
9. Enter *"Sample Type"* both as *"Sample Measurement"* (actual sample type used during monitoring period) and as *"Permit Requirement,"* (e.g., Enter *"Grab"* for individual sample, *"24HC"* for 24-hour composite, *"N/A" for continuous monitoring, etc.)*
10. Where violations of permit requirements are reported, attach a brief explanation to describe cause and corrective actions taken, and reference each violation by date.
11. If "no discharge" occurs during monitoring period, enter *"No Discharge"* across form in place of data entry.
12. Enter *"Name/Title of Principal Executive Officer"* with *"Signature of Principal Executive Officer of Authorized Agent," "Telephone Number,"* and *"Date"* at bottom of form.
13. Mail signed Report to Office(s) by date(s) specified in permit. Retain copy for your records.
14. More detailed instructions for use of this *Discharge Monitoring Report (DMR)* form may be obtained from Office(s) specified in permit.

Legal Notice

This report is required by law (33 U.S.C. 1318; 40 C.F.R. 125.27). Failure to report or failure to report truthfully can result in civil penalties not to exceed $10,000 per day of violation; or in criminal penalties not to exceed $25,000 per day of violation, or by imprisonment for not more than one year, or by both.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME BUELL RED PARIRIE WATER ASSOCIATION
ADDRESS 6890 FRANK ROAD
SHRRIDAN OREGON 97378
PHONE # 843-2218
FACILITY RECHARGE WELL
LOCATION 23000 BLK. MOUNTIAN SPRINGS ROAD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved.
OMB No. 2040-0004
Approval expir

(2-16) WRD- 51165 PERMIT NUMBER
(17-19) N/A DISCHARGE NUMBER

OK 9/4 cc: TO
DEP/WQ data

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	91	06	01	TO	91	06	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Total Coliform	SAMPLE MEASUREMENT				NO SAMPLE	SEE BELOW					
	PERMIT REQUIREMENT						<1/100 ml				
Nitrogen nitrate	SAMPLE MEASUREMENT				NO SAMPLE	SEE BELOW					
	PERMIT REQUIREMENT						5.0 mg/l				
P.H.	SAMPLE MEASUREMENT				NO SAMPLE SEE BELOW						
	PERMIT REQUIREMENT				6.5		8.5				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

Read 9/6/91

RECEIVED
SEP - 6 1991
WATER RESOURCES DEP
SALEM, OREGON

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Donald L. Capistran
System Operator and Maintenance
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*

Donald Capistran
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 NUMBER 843-4908

DATE: YEAR 91 MO 09 DAY 08

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*
RECHARGE WELL WAS SHUT DOWN AS OF MAY 31 1991 AS REQUIRED BY WATER RESOURCES DEPARTMENT AND NO SAMPLES WERE TAKEN FOR MONTH OF JUNE 1991

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME BUELL RED PRAIRIE WATER ASSOCIATION
ADDRESS 6890 FRANK ROAD
SHERIDAN OREGON 97378
PH # 843-2218
FACILITY RECHARGE WELL
LOCATION 3000 BLK MOUNTAIN SPRINGS ROAD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved.
OMB No. 2040-0004
Approval expires 6-30-91

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
WRD-51165	N-A

MONITORING PERIOD	YEAR (20-21)	MO (22-23)	DAY (24-25)		YEAR (26-27)	MO (28-29)	DAY (30-31)
FROM	91	10	01	TO	91	10	31

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
TOTAL COLIFORM	SAMPLE MEASUREMENT						ABSENT 0		0	1-31	GRAB
	PERMIT REQUIREMENT						<1/100 ML				
P. H.	SAMPLE MEASUREMENT						7.4 MG/L		0	1-31	GRAB
	PERMIT REQUIREMENT				6.5		8.5				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE	DATE		
DONALD L. CAPISTRAN SYSTEM OPERATOR AND MAINTENANCE	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*	Donald L Capistran	503-843-4908	91	11	01
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE / NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)* THE FOLLOWING TESTS ARE STILL BEING DONE BY LUCIER LAB. RESULTS WILL BE INCLUDED IN DECEMBERS REPORT. NITRATE - TOTAL DISSOLVED SOLIDS - INORGANIC CHEMICALS AND TOTAL TRIHALOMETHANES

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME BULL RED PRAIRIE WATER ASSOCIATION
ADDRESS 6430 RED PRAIRIE ROAD
SHERIDAN OREGON 97378
PHONE # 843-2675
FACILITY RECHARGE WELL
LOCATION 3000 BIK MOUNTAIN SPRINGS ROAD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER: WRD-51165
(17-19) DISCHARGE NUMBER: N-A

MONITORING PERIOD

	YEAR (20-21)	MO (22-23)	DAY (24-25)		YEAR (26-27)	MO (28-29)	DAY (30-31)
FROM	91	11	01	TO	91	12	30

Form Approved.
OMB No. 2040-0004
Approval expires 6-30-91

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
TOTAL COLIFORM	SAMPLE MEASUREMENT						<1		0	1-31	GRAB
	PERMIT REQUIREMENT						<1/100 mL				
P. H.	SAMPLE MEASUREMENT						7.1 mG/L		0	1-31	GRAB
	PERMIT REQUIREMENT				6.5		8.5				
NITRATES	SAMPLE MEASUREMENT						<0.1		0	1-31	GRAB
	PERMIT REQUIREMENT						5.0 MG/L				
ARSENIC	SAMPLE MEASUREMENT						<0.005		0	1-31	GRAB
	PERMIT REQUIREMENT						0.025				
BARIUM	SAMPLE MEASUREMENT						<0.1		0	1-31	GRAB
	PERMIT REQUIREMENT						0.05				
CADMIUM	SAMPLE MEASUREMENT						<0.005		0	1-31	GRAB
	PERMIT REQUIREMENT						0.005				
CHROMIUM	SAMPLE MEASUREMENT						<0.01		0	1-31	GRAB
	PERMIT REQUIREMENT						0.025				

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
DONALD L. CAPISTRAN SYSTEM OPERATOR AND MAINTENANCE	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*	Donald L Capistran	503	843-4908	91	12	09
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)* THE FOLLOWING TESTS HAVE NOT BEEN COMPLETED AND RETURNED BY WATER LAB. WILL INCLUDE IN NEXT REPORT TOTAL TRIHALOMETHANES

Paperwork Reduction Act Notice

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PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME RUSH RED PRAIRIE WATER ASSOCIATION
ADDRESS 6430 RED PRAIRIE ROAD
SHERIDAN OREGON 97378
PHONE # 843-2675
FACILITY RECHARGE WELL
LOCATION 3,000 BLK MOUNTAIN SPRINGS ROAD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved.
OMB No. 2040-0004
Approval expires 6-30-91

(2-16) PERMIT NUMBER: WRD-51165
(17-19) DISCHARGE NUMBER: N-A

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	91	11	01	TO	91	11	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

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PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
COPPER	SAMPLE MEASUREMENT						<0.1		0	1-31	GRAB
	PERMIT REQUIREMENT						0.5				
FLUORIDE	SAMPLE MEASUREMENT						<0.1		0	1-31	GRAB
	PERMIT REQUIREMENT						1.2				
IRON	SAMPLE MEASUREMENT						0.475		0	1-31	GRAB
	PERMIT REQUIREMENT						0.15				
LEAD	SAMPLE MEASUREMENT						<0.005		0	1-31	GRAB
	PERMIT REQUIREMENT						0.025				
MANGANESE	SAMPLE MEASUREMENT						<0.005		0	1-31	GRAB
	PERMIT REQUIREMENT						0.025				
MERCURY	SAMPLE MEASUREMENT						<0.001		0	1-31	GRAB
	PERMIT REQUIREMENT						0.001				
SELENIUM	SAMPLE MEASUREMENT						<0.002		0	1-31	GRAB
	PERMIT REQUIREMENT						0.005				

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
DONALD L CAPISTRAN
SYSTEM OPERATOR AND MAINTENANCE
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*

Donald L Capistran
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503, NUMBER 843-4906

DATE: YEAR 91, MO 12, DAY 09

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

Paperwork Reduction Act Notice

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General Instructions

1. If form has been partially completed by preprinting, disregard instructions directed at entry of that information already preprinted.
2. Enter *"Permittee Name/Mailing Address* (and facility name/location, if different)," *"Permit Number,"* and *"Discharge Number"* where indicated. (A separate form is required for each discharge.)
3. Enter dates beginning and ending *"Monitoring Period"* covered by form where indicated.
4. Enter each *"Parameter"* as specified in monitoring requirements of permit.
5. Enter *"Sample Measurement"* data for each parameter under *"Quantity"* and *"Quality"* in units specified in permit. *"Average"* is normally arithmetic average (geometric average for bacterial parameters) of all sample measurements for each parameter obtained during *"Monitoring Period"; "Maximum"* and *"Minimum"* are normally extreme high and low measurements obtained during *"Monitoring Period."* **(Note to municipals with secondary treatment requirement:** Enter 30-day average of sample measurements under *"Average,"* and enter maximum 7-day average of sample measurements obtained during monitoring period under *"Maximum."***)**
6. Enter *"Permit Requirement"* for each parameter under *"Quantity"* and *"Quality"* as specified in permit.
7. Under *"No Ex"* enter number of sample measurements during monitoring period that exceed maximum (and/or minimum or 7-day average as appropriate) permit requirement for each parameter. If none, enter *"O."*
8. Enter *"Frequency of Analysis"* both as *"Sample Measurement"* (actual frequency of sampling and analysis used during monitoring period) and as *"Permit Requirement"* specified in permit. (e.g., Enter *"Cont, "* for continuous monitoring, *"1/7"* for one day per week, *"1/30"* for one day per month, *"1/90"* for one day per quarter, etc.)
9. Enter *"Sample Type"* both as *"Sample Measurement"* (actual sample type used during monitoring period) and as *"Permit Requirement, "* (e.g., Enter *"Grab"* for individual sample, *"24HC"* for 24-hour composite, *"N/A" for continuous monitoring, etc.)*
10. Where violations of permit requirements are reported, attach a brief explanation to describe cause and corrective actions taken, and reference each violation by date.
11. If "no discharge" occurs during monitoring period, enter *"No Discharge"* across form in place of data entry.
12. Enter *"Name/Title of Principal Executive Officer"* with *"Signature of Principal Executive Officer of Authorized Agent," "Telephone Number,"* and *"Date"* at bottom of form.
13. Mail signed Report to Office(s) by date(s) specified in permit. Retain copy for your records.
14. More detailed instructions for use of this *Discharge Monitoring Report (DMR)* form may be obtained from Office(s) specified in permit.

Legal Notice

This report is required by law (33 U.S.C. 1318; 40 C.F.R. 125.27). Failure to report or failure to report truthfully can result in civil penalties not to exceed $10,000 per day of violation; or in criminal penalties not to exceed $25,000 per day of violation, or by imprisonment for not more than one year, or by both.

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if different)*
NAME BUCK PRAIRIE WATER ASSOCIATION
ADDRESS 6430 RED PRAIRIE ROAD
SHELDAN OREGON 97398
PHONE # 843-2675
FACILITY RECHARGE WELL
LOCATION 3000 BLK DIAMOND SPRINGS ROAD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

Form Approved.
OMB No. 2040-0004
Approval expires 6-30-91

PERMIT NUMBER *(2-16)*	DISCHARGE NUMBER *(17-19)*
WRD-51165	N-A

MONITORING PERIOD

	YEAR *(20-21)*	MO *(22-23)*	DAY *(24-25)*		YEAR *(26-27)*	MO *(28-29)*	DAY *(30-31)*
FROM	91	11	01	TO	91	11	30

NOTE: Read instructions before completing this form.

PARAMETER *(32-37)*		QUANTITY OR LOADING *(3 Card Only) (46-53) (54-61)* AVERAGE	MAXIMUM	UNITS	QUALITY OR CONCENTRATION *(4 Card Only) (38-45) (46-53) (54-61)* MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX *(62-63)*	FREQUENCY OF ANALYSIS *(64-68)*	SAMPLE TYPE *(69-70)*
SILVER	SAMPLE MEASUREMENT						<0.01		0	1-31	GRAB
	PERMIT REQUIREMENT						0.025				
TOTAL SOLIDS DISSOLVED	SAMPLE MEASUREMENT						82.0		0	1-31	GRAB
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
DONALD L CAPISTRAN
SYSTEM OPERATOR AND MAINTENANCE
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*

Donald L Capistran
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 NUMBER 843-4908

DATE: YEAR 91 MO 12 DAY 09

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

Paperwork Reduction Act Notice

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6. Enter *"Permit Requirement"* for each parameter under *"Quantity"* and *"Quality"* as specified in permit.
7. Under *"No Ex"* enter number of sample measurements during monitoring period that exceed maximum (and/or minimum or 7-day average as appropriate) permit requirement for each parameter. If none, enter *"0."*
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13. Mail signed Report to Office(s) by date(s) specified in permit. Retain copy for your records.
14. More detailed instructions for use of this *Discharge Monitoring Report (DMR)* form may be obtained from Office(s) specified in permit.

Legal Notice

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PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if different)*
NAME BUELL-RED PRAIRIE WATER ASSOCIATION
ADDRESS 6430 RED PRAIRIE RD
SHERIDAN, OREGON 97378
PHONE # 843-2675
FACILITY RECHARGE WELL
LOCATION 23000 BLK. MOUNTAIN SPRING RD.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
WRD-51165	NA

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	91	12	01	TO	91	12	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

RECEIVED
JAN 15 1992
WATER RESOURCES DEPT
SALEM, OREGON

Form Approved.
OMB No. 2040-0004
Approval expires 6-30-91

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	AVERAGE	MAXIMUM (54-61)	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
TOTAL COLIFORM	SAMPLE MEASUREMENT						< 2		0	1-30	GRAB
	PERMIT REQUIREMENT						< 1/100 mL				
NITROGEN NITRATE	SAMPLE MEASUREMENT						1.4		0	1-30	GRAB
	PERMIT REQUIREMENT						5.0 mg/l				
P. H.	SAMPLE MEASUREMENT						7.2 mg/l		0	1-30	GRAB
	PERMIT REQUIREMENT				6.5		8.5				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
DICK MC COOL
SYSTEM OPERATOR AND MAINTENCE
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*

Dick McCool
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY
503	843-3680	92	1	8

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

Paperwork Reduction Act Notice

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6. Enter *"Permit Requirement"* for each parameter under *"Quantity"* and *"Quality"* as specified in permit.
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ADDRESS 6430 RED PRAIRIE RD.
SHERIDAN, OREGON 97378
PHONE # 843-2675
FACILITY RECHARGE WELL
LOCATION 23000 B/K. MOUNTAIN SPRING RD.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
WRD-51165	N/A

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	92	1	01	TO	92	1	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

RECEIVED
FEB 12 1992
WATER RESOURCES DEPT.
SALEM, OREGON

Form Approved.
OMB No. 2040-0004
Approval expires 6-30-91

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
TOTAL COLIFORM	SAMPLE MEASUREMENT						0		0	1-30	GRAB
	PERMIT REQUIREMENT						L 1/100ML				
NITROGEN NITRATE	SAMPLE MEASUREMENT						L 0.1		0	1-30	GRAB
	PERMIT REQUIREMENT						5.0mg/l				
P. H.	SAMPLE MEASUREMENT						7.1		0	1-30	GRAB
	PERMIT REQUIREMENT				6.5		8.5				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
DICK MC COOL SYSTEM OPERATOR AND MAINTENCE
TYPED OR PRINTED

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Dick McCool
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY
503	843-3680	92	2	10

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

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NAME BUELL RED PRAIRIE WATER ASSOC.
ADDRESS 6430 RED PRAIRIE RD.
SHERIDAN OREGON 97378
PHONE # 843-2675
FACILITY RECHARGE WELL
LOCATION 23000 BLK. MOUNTAIN SPRING RD.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
WRD-51165	N/A

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	92	2	1	TO	92	2	29
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

RECEIVED
MAR 12 1992
WATER RESOURCES DEPT.
SALEM, OREGON

Form Approved.
OMB No. 2040-0004
Approval expires 6-30-91

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TOTAL COLIFORM	SAMPLE MEASUREMENT						2		0	1-30	GRAB
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NITROGEN NITRATE	SAMPLE MEASUREMENT						<0.1		0	1-30	GRAB
	PERMIT REQUIREMENT						5.0mg/l				
P. H.	SAMPLE MEASUREMENT						7.2		0	1-30	GRAB
	PERMIT REQUIREMENT				6.5		8.5				
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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Dick McCool
SYSTEM OPERATOR AND MAINTENCE
TYPED OR PRINTED

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Dick McCool
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	843-3680	92	3	11
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

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7. Under *"No Ex"* enter number of sample measurements during monitoring period that exceed maximum (and/or minimum or 7-day average as appropriate) permit requirement for each parameter. If none, enter *"0."*
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9. Enter *"Sample Type"* both as *"Sample Measurement"* (actual sample type used during monitoring period) and as *"Permit Requirement, "* (e.g., Enter *"Grab"* for individual sample, *"24HC"* for 24-hour composite, *"N/A" for continuous monitoring, etc.)*
10. Where violations of permit requirements are reported, attach a brief explanation to describe cause and corrective actions taken, and reference each violation by date.
11. If "no discharge" occurs during monitoring period, enter *"No Discharge"* across form in place of data entry.
12. Enter *"Name/Title of Principal Executive Officer"* with *"Signature of Principal Executive Officer of Authorized Agent," "Telephone Number,"* and *"Date"* at bottom of form.
13. Mail signed Report to Office(s) by date(s) specified in permit. Retain copy for your records.
14. More detailed instructions for use of this *Discharge Monitoring Report (DMR)* form may be obtained from Office(s) specified in permit.

Legal Notice

This report is required by law (33 U.S.C. 1318; 40 C.F.R. 125.27). Failure to report or failure to report truthfully can result in civil penalties not to exceed $10,000 per day of violation; or in criminal penalties not to exceed $25,000 per day of violation, or by imprisonment for not more than one year, or by both.

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if different)*
NAME BILLY RED PRAIRIE WATER ASSN.
ADDRESS 6430 RED PRAIRIE RD.
SHERIDAN, OREGON 97378
PHONE # 843-2675
FACILITY RECHARGE WELL
LOCATION 23000 BLK. MOUNTAIN SPRING RD.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
WRD-51165	N/A

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	92	3	1	TO	92	3	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

RECEIVED
APR 17 1992
WATER RESOURCES DEPT.
SALEM, OREGON

Form Approved.
OMB No. 2040-0004
Approval expires 6-30-91

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
TOTAL Coli FORM	SAMPLE MEASUREMENT						0		0	1-30	GRAB
	PERMIT REQUIREMENT						LI/100ML				
NITROGEN NITRATE	SAMPLE MEASUREMENT						LO.1		0	1-30	GRAB
	PERMIT REQUIREMENT						5.0mg/l				
P. H.	SAMPLE MEASUREMENT						7.3		0	1-30	GRAB
	PERMIT REQUIREMENT				6.5		8.5				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
DICK MCCOOL SYSTEM OPERATOR AND MAINTENCE
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*

Dick McCool
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY
503	843-3680	92	4	13

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

Paperwork Reduction Act Notice

Public reporting burden for this collection of information is estimated to vary from a range of 10 hours as an average per response for some minor facilities, to 110 hours as an average per response for some major facilities, with a weighted average for major and minor facilities of 18 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

General Instructions

1. If form has been partially completed by preprinting, disregard instructions directed at entry of that information already preprinted.
2. Enter *"Permittee Name/Mailing Address* (and facility name/location, if different)," *"Permit Number,"* and *"Discharge Number"* where indicated. (A separate form is required for each discharge.)
3. Enter dates beginning and ending *"Monitoring Period"* covered by form where indicated.
4. Enter each *"Parameter"* as specified in monitoring requirements of permit.
5. Enter *"Sample Measurement"* data for each parameter under *"Quantity"* and *"Quality"* in units specified in permit. *"Average"* is normally arithmetic average (geometric average for bacterial parameters) of all sample measurements for each parameter obtained during *"Monitoring Period"; "Maximum"* and *"Minimum"* are normally extreme high and low measurements obtained during *"Monitoring Period."* **(Note to municipals with secondary treatment requirement:** Enter 30-day average of sample measurements under *"Average,"* and enter maximum 7-day average of sample measurements obtained during monitoring period under *"Maximum.")*
6. Enter *"Permit Requirement"* for each parameter under *"Quantity"* and *"Quality"* as specified in permit.
7. Under *"No Ex"* enter number of sample measurements during monitoring period that exceed maximum (and/or minimum or 7-day average as appropriate) permit requirement for each parameter. If none, enter *"0."*
8. Enter *"Frequency of Analysis"* both as *"Sample Measurement"* (actual frequency of sampling and analysis used during monitoring period) and as *"Permit Requirement"* specified in permit. (e.g., Enter *"Cont, "* for continuous monitoring, *"1/7"* for one day per week, *"1/30"* for one day per month, *"1/90"* for one day per quarter, etc.)
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14. More detailed instructions for use of this *Discharge Monitoring Report (DMR)* form may be obtained from Office(s) specified in permit.

Legal Notice

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PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if different)*
NAME BUELL RED PRAIRIE WATER ASSN.
ADDRESS 6430 RED PRAIRIE RD.
SHERIDAN, OREGON 97378
PHONE # 843-2675
FACILITY RECHARGE WELL
LOCATION 23000 BLK. MOUNTAIN SPRING RD.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
WRD-51165	N/A

MONITORING PERIOD

	YEAR (20-21)	MO (22-23)	DAY (24-25)		YEAR (26-27)	MO (28-29)	DAY (30-31)
FROM	92	4	1	TO	92	4	30

RECEIVED
MAY 12 1992
WATER RESOURCES DEPT.
SALEM, OREGON

Form Approved.
OMB No. 2040-0004
Approval expires 6-30-91

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
TOTAL COLIFORM	SAMPLE MEASUREMENT						0		0	1-30	GRAB
	PERMIT REQUIREMENT						<1/100ml				
NITROGEN NITRATE	SAMPLE MEASUREMENT						<0.1		0	1-30	GRAB
	PERMIT REQUIREMENT						5.0mg/l				
P. H.	SAMPLE MEASUREMENT						7.3		0	1-30	GRAB
	PERMIT REQUIREMENT				6.5		8.5				
	SAMPLE MEASUREMENT										
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	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
DICK MCCOOL SYSTEM OPERATOR AND MAINTENCE
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*

Dick McCool
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY
503	843-3680	92	5	11

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

Paperwork Reduction Act Notice

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General Instructions

1. If form has been partially completed by preprinting, disregard instructions directed at entry of that information already preprinted.
2. Enter *"Permittee Name/Mailing Address* (and facility name/location, if different)," *"Permit Number,"* and *"Discharge Number"* where indicated. (A separate form is required for each discharge.)
3. Enter dates beginning and ending *"Monitoring Period"* covered by form where indicated.
4. Enter each *"Parameter"* as specified in monitoring requirements of permit.
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6. Enter *"Permit Requirement"* for each parameter under *"Quantity"* and *"Quality"* as specified in permit.
7. Under *"No Ex"* enter number of sample measurements during monitoring period that exceed maximum (and/or minimum or 7-day average as appropriate) permit requirement for each parameter. If none, enter *"0."*
8. Enter *"Frequency of Analysis"* both as *"Sample Measurement"* (actual frequency of sampling and analysis used during monitoring period) and as *"Permit Requirement"* specified in permit. (e.g., Enter *"Cont,"* for continuous monitoring, *"1/7"* for one day per week, *"1/30"* for one day per month, *"1/90"* for one day per quarter, etc.)
9. Enter *"Sample Type"* both as *"Sample Measurement"* (actual sample type used during monitoring period) and as *"Permit Requirement,"* (e.g., Enter *"Grab"* for individual sample, *"24HC"* for 24-hour composite, *"N/A" for continuous monitoring, etc.)*
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12. Enter *"Name/Title of Principal Executive Officer"* with *"Signature of Principal Executive Officer of Authorized Agent," "Telephone Number,"* and *"Date"* at bottom of form.
13. Mail signed Report to Office(s) by date(s) specified in permit. Retain copy for your records.
14. More detailed instructions for use of this *Discharge Monitoring Report (DMR)* form may be obtained from Office(s) specified in permit.

Legal Notice

This report is required by law (33 U.S.C. 1318; 40 C.F.R. 125.27). Failure to report or failure to report truthfully can result in civil penalties not to exceed $10,000 per day of violation; or in criminal penalties not to exceed $25,000 per day of violation, or by imprisonment for not more than one year, or by both.

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if different)*

NAME Bi-Ell Red Prairie Water Assn.

ADDRESS 6430 Red Prairie Rd.
Sheridan, Oregon 97378
Phone # 843-2675

FACILITY Recharge Well

LOCATION 23000 Blk. Mountain Spring Rd.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

(2-16)	(17-19)
WRD-51165	N/A
PERMIT NUMBER	DISCHARGE NUMBER

Form Approved.
OMB No. 2040-0004
Approval expires 6-30-91

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	92	5	1	TO	92	5	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		QUANTITY OR LOADING (3 Card Only) (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	QUALITY OR CONCENTRATION (4 Card Only) (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Total Coliform	SAMPLE MEASUREMENT						0		0	1-30	GRAB
	PERMIT REQUIREMENT						<1/100ml				
Nitrogen Nitrate	SAMPLE MEASUREMENT						<0.1		0	1-30	GRAB
	PERMIT REQUIREMENT						5.0mg/l				
P.H.	SAMPLE MEASUREMENT						7.4		0	1-30	GRAB
	PERMIT REQUIREMENT				6.5		8.5				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

RECEIVED
JUN 16 1992
STATE OF OREGON
DEPARTMENT OF ENVIRONMENTAL QUALITY
SALEM OR 97310

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Dick McCool System Operator and Maintenance	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*	Dick McCool	503	843-3680	92	6	15
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

Paperwork Reduction Act Notice

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General Instructions

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6. Enter *"Permit Requirement"* for each parameter under *"Quantity"* and *"Quality"* as specified in permit.
7. Under *"No Ex"* enter number of sample measurements during monitoring period that exceed maximum (and/or minimum or 7-day average as appropriate) permit requirement for each parameter. If none, enter *"O."*
8. Enter *"Frequency of Analysis"* both as *"Sample Measurement"* (actual frequency of sampling and analysis used during monitoring period) and as *"Permit Requirement"* specified in permit. (e.g., Enter *"Cont, "* for continuous monitoring, *"1/7"* for one day per week, *"1/30"* for one day per month, *"1/90"* for one day per quarter, etc.)
9. Enter *"Sample Type"* both as *"Sample Measurement"* (actual sample type used during monitoring period) and as *"Permit Requirement, "* (e.g., Enter *"Grab"* for individual sample, *"24HC"* for 24-hour composite, *"N/A" for continuous monitoring, etc.)*
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Legal Notice

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PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME BUELL RED PRAIRIE WATER ASSN
ADDRESS 6430 RED PRAIRIE RD.
SHERIDAN, OREGON 97378
PHONE # 843-2675
FACILITY RECHARGE WELL
LOCATION 23000 BLK. MTN. SPRING DR.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
WRD-51165	N/A

MONITORING PERIOD

	YEAR (20-21)	MO (22-23)	DAY (24-25)		YEAR (26-27)	MO (28-29)	DAY (30-31)
FROM	92	6	1	TO	92	6	30

RECEIVED
JUL 22 1992
WATER RESOURCES DEPT.
SALEM, OREGON

Form Approved.
OMB No. 2040-0004
Approval expires 6-30-91

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
TOTAL COLIFORM	SAMPLE MEASUREMENT						0		0	1-30	GRAB
	PERMIT REQUIREMENT						< 1/100 ml				
NITROGEN NITRATE	SAMPLE MEASUREMENT						< 0.1		0	1-30	GRAB
	PERMIT REQUIREMENT						5.0 mg/l				
P. H.	SAMPLE MEASUREMENT						7.9		0	1-30	GRAB
	PERMIT REQUIREMENT				6.5		8.5				
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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
DICK MCCOOL
SYSTEM OPERATOR AND MAINTENCE
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*

Dick McCool
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 843-3680

DATE: YEAR 92 | MO 7 | DAY 17

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

Paperwork Reduction Act Notice

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PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
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SHERIDAN, OREGON 97378
PHONE # 843-2675
FACILITY RECHARGE WELL
LOCATION 23000 BLK MTN. SPRING DR.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
WRD-51165	N/A

MONITORING PERIOD

	YEAR (20-21)	MO (22-23)	DAY (24-25)		YEAR (26-27)	MO (28-29)	DAY (30-31)
FROM	92	7	1	TO	92	7	31

RECEIVED
AUG 11 1992
WATER RESOURCES DEPT.
SALEM, OREGON

Form Approved.
OMB No. 2040-0004
Approval expires 6-30-91

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
TOTAL COLIFORM	SAMPLE MEASUREMENT						0			1-30	GRAB
	PERMIT REQUIREMENT						< 1/100 ml				
NITROGEN NITRATE	SAMPLE MEASUREMENT						< 0.1			1-30	GRAB
	PERMIT REQUIREMENT						5.0 mg/l				
P. H.	SAMPLE MEASUREMENT						7.6			1-30	GRAB
	PERMIT REQUIREMENT				6.5		8.5				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
DICK MCCOOL
SYSTEM OPERATOR AND MAINTENCE
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*

Dick McCool
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE AREA CODE	NUMBER	DATE YEAR	MO	DAY
503	843-3680	92	8	9

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

Paperwork Reduction Act Notice

Public reporting burden for this collection of information is estimated to vary from a range of 10 hours as an average per response for some minor facilities, to 110 hours as an average per response for some major facilities, with a weighted average for major and minor facilities of 18 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

General Instructions

1. If form has been partially completed by preprinting, disregard instructions directed at entry of that information already preprinted.
2. Enter *"Permittee Name/Mailing Address* (and facility name/location, if different)," *"Permit Number,"* and *"Discharge Number"* where indicated. (A separate form is required for each discharge.)
3. Enter dates beginning and ending *"Monitoring Period"* covered by form where indicated.
4. Enter each *"Parameter"* as specified in monitoring requirements of permit.
5. Enter *"Sample Measurement"* data for each parameter under *"Quantity"* and *"Quality"* in units specified in permit. *"Average"* is normally arithmetic average (geometric average for bacterial parameters) of all sample measurements for each parameter obtained during *"Monitoring Period"*; *"Maximum"* and *"Minimum"* are normally extreme high and low measurements obtained during *"Monitoring Period."* **(Note to municipals with secondary treatment requirement:** Enter 30-day average of sample measurements under *"Average,"* and enter maximum 7-day average of sample measurements obtained during monitoring period under *"Maximum.")*
6. Enter *"Permit Requirement"* for each parameter under *"Quantity"* and *"Quality"* as specified in permit.
7. Under *"No Ex"* enter number of sample measurements during monitoring period that exceed maximum (and/or minimum or 7-day average as appropriate) permit requirement for each parameter. If none, enter *"0."*
8. Enter *"Frequency of Analysis"* both as *"Sample Measurement"* (actual frequency of sampling and analysis used during monitoring period) and as *"Permit Requirement"* specified in permit. (e.g., Enter *"Cont, "* for continuous monitoring, *"1/7"* for one day per week, *"1/30"* for one day per month, *"1/90"* for one day per quarter, etc.)
9. Enter *"Sample Type"* both as *"Sample Measurement"* (actual sample type used during monitoring period) and as *"Permit Requirement, "* (e.g., Enter *"Grab"* for individual sample, *"24HC"* for 24-hour composite, *"N/A" for continuous monitoring, etc.)*
10. Where violations of permit requirements are reported, attach a brief explanation to describe cause and corrective actions taken, and reference each violation by date.
11. If "no discharge" occurs during monitoring period, enter *"No Discharge"* across form in place of data entry.
12. Enter *"Name/Title of Principal Executive Officer"* with *"Signature of Principal Executive Officer of Authorized Agent," "Telephone Number,"* and *"Date"* at bottom of form.
13. Mail signed Report to Office(s) by date(s) specified in permit. Retain copy for your records.
14. More detailed instructions for use of this *Discharge Monitoring Report (DMR)* form may be obtained from Office(s) specified in permit.

Legal Notice

This report is required by law (33 U.S.C. 1318; 40 C.F.R. 125.27). Failure to report or failure to report truthfully can result in civil penalties not to exceed $10,000 per day of violation; or in criminal penalties not to exceed $25,000 per day of violation, or by imprisonment for not more than one year, or by both.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME BUELL-RED PRAIRIE WATER ASSN.
ADDRESS 6430 RED PRAIRIE RD.
SHERIDAN, OREGON 97378
PHONE # 843-2675
FACILITY RECHARGE WELL
LOCATION 23000 MTN. SPRING DR.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
WRD-51165	N/A

MONITORING PERIOD

	YEAR (20-21)	MO (22-23)	DAY (24-25)		YEAR (26-27)	MO (28-29)	DAY (30-31)
FROM	92	8	1	TO	92	8	31

RECEIVED
SEP 17 1992
WATER RESOURCES DEPT.
SALEM, OREGON

Form Approved.
OMB No. 2040-0004
Approval expires 6-30-91

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
TOTAL COLIFORM	SAMPLE MEASUREMENT						0			1-30	GRAB
	PERMIT REQUIREMENT						< 1/100ml				
NITROGEN NITRATE	SAMPLE MEASUREMENT						< 0.1			1-30	GRAB
	PERMIT REQUIREMENT						5.0 mg/l				
P. H.	SAMPLE MEASUREMENT						7.5			1-30	GRAB
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	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
DICK McCOOL SYSTEM OPERATOR AND MAINTENCE
TYPED OR PRINTED

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Dick McCool
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY
503	843-3680	92	9	14

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

Paperwork Reduction Act Notice

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General Instructions

1. If form has been partially completed by preprinting, disregard instructions directed at entry of that information already preprinted.
2. Enter *"Permittee Name/Mailing Address* (and facility name/location, if different)," *"Permit Number,"* and *"Discharge Number"* where indicated. (A separate form is required for each discharge.)
3. Enter dates beginning and ending *"Monitoring Period"* covered by form where indicated.
4. Enter each *"Parameter"* as specified in monitoring requirements of permit.
5. Enter *"Sample Measurement"* data for each parameter under *"Quantity"* and *"Quality"* in units specified in permit. *"Average"* is normally arithmetic average (geometric average for bacterial parameters) of all sample measurements for each parameter obtained during *"Monitoring Period"*; *"Maximum"* and *"Minimum"* are normally extreme high and low measurements obtained during *"Monitoring Period."* **(Note to municipals with secondary treatment requirement:** Enter 30-day average of sample measurements under *"Average,"* and enter maximum 7-day average of sample measurements obtained during monitoring period under *"Maximum.")*
6. Enter *"Permit Requirement"* for each parameter under *"Quantity"* and *"Quality"* as specified in permit.
7. Under *"No Ex"* enter number of sample measurements during monitoring period that exceed maximum (and/or minimum or 7-day average as appropriate) permit requirement for each parameter. If none, enter *"O."*
8. Enter *"Frequency of Analysis"* both as *"Sample Measurement"* (actual frequency of sampling and analysis used during monitoring period) and as *"Permit Requirement"* specified in permit. (e.g., Enter *"Cont, "* for continuous monitoring, *"1/7"* for one day per week, *"1/30"* for one day per month, *"1/90"* for one day per quarter, etc.)
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12. Enter *"Name/Title of Principal Executive Officer"* with *"Signature of Principal Executive Officer of Authorized Agent," "Telephone Number,"* and *"Date"* at bottom of form.
13. Mail signed Report to Office(s) by date(s) specified in permit. Retain copy for your records.
14. More detailed instructions for use of this *Discharge Monitoring Report (DMR)* form may be obtained from Office(s) specified in permit.

Legal Notice

This report is required by law (33 U.S.C. 1318; 40 C.F.R. 125.27). Failure to report or failure to report truthfully can result in civil penalties not to exceed $10,000 per day of violation; or in criminal penalties not to exceed $25,000 per day of violation, or by imprisonment for not more than one year, or by both.

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if different)*
NAME BUELL-RED PRAIRIE WATER ASSN.
ADDRESS 6430 RED PRAIRIE RD.
SHERIDAN, OR. 97378
PHONE # 843-2675
FACILITY RECHARGE WELL
LOCATION 23000 MTN SPRING DR.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
WRD-51165	N/A

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	92	9	1	TO	92	9	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 6-30-91

RECEIVED
OCT 20 1992
WATER RESOURCES DEPT
SALEM, OREGON

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	AVERAGE	MAXIMUM (54-61)	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
TOTAL COLIFORM	SAMPLE MEASUREMENT						0			1-30	GRAB
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	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
DICK McCOOL
SYSTEM OPERATOR AND MAINTENANCE
TYPED OR PRINTED

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Dick McCool
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	843-3680	92	10	12
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

Paperwork Reduction Act Notice

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13. Mail signed Report to Office(s) by date(s) specified in permit. Retain copy for your records.
14. More detailed instructions for use of this *Discharge Monitoring Report (DMR)* form may be obtained from Office(s) specified in permit.

Legal Notice

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PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME Buell-Red Prairie Water Assn.
ADDRESS 6430 Red Prairie Rd.
Sheridan, OR 97378
Phone # 843-2675
FACILITY Recharge-Well
LOCATION 23000 Mtn. Spring Dr.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
WRD-51165	N/A

RECEIVED
DEC - 2 1992
WATER RESOURCES DEPT.
SALEM, OREGON

Form Approved.
OMB No. 2040-0004
Approval expires 6-30-91

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	92	10	1	TO	92	10	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
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	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Dick McCool
System operator and maintence
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*

Dick McCool
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 843-3680

DATE: YEAR 92 | MO 11 | DAY 24

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

Paperwork Reduction Act Notice

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PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if different)*
NAME BUELL-RED PRAIRIE WATER ASSN.
ADDRESS 6430 RED PRAIRIE RD.
SHERIDAN, OREGON 97378
PHONE # 843-2625
FACILITY RECHARGE WELL
LOCATION 23000 NW. SPRING DR.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
WRD-51165	N/A

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	92	11	1	TO	92	11	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

RECEIVED
DEC 29 1992
WATER RESOURCES DEPT.
SALEM, OREGON

Form Approved.
OMB No. 2040-0004
Approval expires 6-30-91

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PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
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	PERMIT REQUIREMENT						<1/100ml				
NITROGEN NITRATE	SAMPLE MEASUREMENT						<0.1			1-30	GRAB
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P. H.	SAMPLE MEASUREMENT						7.4			1-30	GRAB
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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
DICK MCCOOL
SYSTEM OPERATOR AND MAINTENCE
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*

Dick McCool
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	843-3680	92	12	24
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

Paperwork Reduction Act Notice

Public reporting burden for this collection of information is estimated to vary from a range of 10 hours as an average per response for some minor facilities, to 110 hours as an average per response for some major facilities, with a weighted average for major and minor facilities of 18 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

General Instructions

1. If form has been partially completed by preprinting, disregard instructions directed at entry of that information already preprinted.
2. Enter *"Permittee Name/Mailing Address* (and facility name/location, if different)," *"Permit Number,"* and *"Discharge Number"* where indicated. (A separate form is required for each discharge.)
3. Enter dates beginning and ending *"Monitoring Period"* covered by form where indicated.
4. Enter each *"Parameter"* as specified in monitoring requirements of permit.
5. Enter *"Sample Measurement"* data for each parameter under *"Quantity"* and *"Quality"* in units specified in permit. *"Average"* is normally arithmetic average (geometric average for bacterial parameters) of all sample measurements for each parameter obtained during *"Monitoring Period"; "Maximum"* and *"Minimum"* are normally extreme high and low measurements obtained during *"Monitoring Period."* **(Note to municipals with secondary treatment requirement:** Enter 30-day average of sample measurements under *"Average,"* and enter maximum 7-day average of sample measurements obtained during monitoring period under *"Maximum."***)**
6. Enter *"Permit Requirement"* for each parameter under *"Quantity"* and *"Quality"* as specified in permit.
7. Under *"No Ex"* enter number of sample measurements during monitoring period that exceed maximum (and/or minimum or 7-day average as appropriate) permit requirement for each parameter. If none, enter *"0."*
8. Enter *"Frequency of Analysis"* both as *"Sample Measurement"* (actual frequency of sampling and analysis used during monitoring period) and as *"Permit Requirement"* specified in permit. (e.g., Enter *"Cont, "* for continuous monitoring, *"1/7"* for one day per week, *"1/30"* for one day per month, *"1/90"* for one day per quarter, etc.)
9. Enter *"Sample Type"* both as *"Sample Measurement"* (actual sample type used during monitoring period) and as *"Permit Requirement, "* (e.g., Enter *"Grab"* for individual sample, *"24HC"* for 24-hour composite, *"N/A" for continuous monitoring, etc.)*
10. Where violations of permit requirements are reported, attach a brief explanation to describe cause and corrective actions taken, and reference each violation by date.
11. If "no discharge" occurs during monitoring period, enter *"No Discharge"* across form in place of data entry.
12. Enter *"Name/Title of Principal Executive Officer"* with *"Signature of Principal Executive Officer of Authorized Agent," "Telephone Number,"* and *"Date"* at bottom of form.
13. Mail signed Report to Office(s) by date(s) specified in permit. Retain copy for your records.
14. More detailed instructions for use of this *Discharge Monitoring Report (DMR)* form may be obtained from Office(s) specified in permit.

Legal Notice

This report is required by law (33 U.S.C. 1318; 40 C.F.R. 125.27). Failure to report or failure to report truthfully can result in civil penalties not to exceed $10,000 per day of violation; or in criminal penalties not to exceed $25,000 per day of violation, or by imprisonment for not more than one year, or by both.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME: Buen-Red Prairie Water

ADDRESS: 6430 Red Prairie Rd
Sheridan OR 97378

FACILITY: Recharge well

LOCATION: 23000 Mtn Springs Rd Dr

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
WRD-51165	N/A
PERMIT NUMBER	DISCHARGE NUMBER

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91.

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	93	12	31	TO	93	1	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Total Coliform	SAMPLE MEASUREMENT						0			1-30	Grab
	PERMIT REQUIREMENT										
Nitrogen Nitrate	SAMPLE MEASUREMENT						<0.5			1-30	grab
	PERMIT REQUIREMENT						mg/l				
PH.	SAMPLE MEASUREMENT				7.0		7.1			1-30	Grab
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

RECEIVED
MAR 1 1993
STATE OF OREGON
DEPARTMENT OF ENVIRONMENTAL QUALITY
SALEM OR 97310

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Mark Lewis Maintenance	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*	[signature]	503	8[illegible]	93	1	19
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

Paperwork Reduction Act Notice

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6. Enter "*Permit Requirement*" for each parameter under "*Quantity*" and "*Quality*" as specified in permit.
7. Under "*No Ex*" enter number of sample measurements during monitoring period that exceed maximum (and/or minimum or 7-day average as appropriate) permit requirement for each parameter. If none, enter "0."
8. Enter "*Frequency of Analysis*" both as "*Sample Measurement*" (actual frequency of sampling and analysis used during monitoring period) and as "*Permit Requirement*" specified in permit. (e.g., Enter "*Cont*," for continuous monitoring, "*1/7*" for one day per week, "*1/30*" for one day per month, "*1/90*" for one day per quarter, etc.)
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11. If "no discharge" occurs during monitoring period, enter "*No Discharge*" across form in place of data entry.
12. Enter "*Name/Title of Principal Executive Officer*" with "*Signature of Principal Executive Officer of Authorized Agent*," "*Telephone Number*," and "*Date*" at bottom of form.
13. Mail signed Report to Office(s) by date(s) specified in permit. Retain copy for your records.
14. More detailed instructions for use of this *Discharge Monitoring Report (DMR)* form may be obtained from Office(s) specified in permit.

Legal Notice

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EPA Form 3320-1 (Rev. 9-88)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME Buell - Red Prairie Water
ADDRESS 6430 Red Prairie Rd
Shaudan OR 97378

FACILITY Recharge Well
LOCATION 23000 Intn Stranges Dr

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER: WRD-51165
(17-19) DISCHARGE NUMBER: NA

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91.

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	93	1	31	TO	93	2	28
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Total Col. form	SAMPLE MEASUREMENT						<3,			1-28	Grab
	PERMIT REQUIREMENT						Cel/100ml				
Nitrogen Nitrate	SAMPLE MEASUREMENT						< .5			1-28	Grab
	PERMIT REQUIREMENT						mg/l				
PH	SAMPLE MEASUREMENT				7.0		7.1			1-28	Grab
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

RECEIVED
MAR 1 1993
STATE OF OREGON
DEPARTMENT OF ENVIRONMENTAL QUALITY
SALEM OR 97310

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Mark Lyon Operator	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*	Mark Lyon	AREA CODE 503	NUMBER 743-2675	YEAR 93	MO 2	DAY 28
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT					

COMMENT AND EXPLANATION OF ANY VIOLATIONS (*Reference all attachments here*)

Paperwork Reduction Act Notice

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General Instructions

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2. Enter "*Permittee Name/Mailing Address* (and facility name/location, if different)," "*Permit Number*," and "*Discharge Number*" where indicated. (A separate form is required for each discharge.)
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6. Enter "*Permit Requirement*" for each parameter under "*Quantity*" and "*Quality*" as specified in permit.
7. Under "*No Ex*" enter number of sample measurements during monitoring period that exceed maximum (and/or minimum or 7-day average as appropriate) permit requirement for each parameter. If none, enter "0."
8. Enter "*Frequency of Analysis*" both as "*Sample Measurement*" (actual frequency of sampling and analysis used during monitoring period) and as "*Permit Requirement*" specified in permit. (e.g., Enter "*Cont*," for continuous monitoring; "*1/7*" for one day per week, "*1/30*" for one day per month, "*1/90*" for one day per quarter, etc.)
9. Enter "*Sample Type*" both as "*Sample Measurement*" (actual sample type used during monitoring period) and as "*Permit Requirement*," (e.g., Enter "*Grab*" for individual sample, "*24HC*" for 24-hour composite, "*N/A*" for continuous monitoring, etc.)
10. Where violations of permit requirements are reported, attach a brief explanation to describe cause and corrective actions taken, and reference each violation by date.
11. If "no discharge" occurs during monitoring period, enter "*No Discharge*" across form in place of data entry.
12. Enter "*Name/Title of Principal Executive Officer*" with "*Signature of Principal Executive Officer of Authorized Agent*," "*Telephone Number*," and "*Date*" at bottom of form.
13. Mail signed Report to Office(s) by date(s) specified in permit. Retain copy for your records.
14. More detailed instructions for use of this *Discharge Monitoring Report (DMR)* form may be obtained from Office(s) specified in permit.

Legal Notice

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EPA Form 3320-1 (Rev. 9-88)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME Buell Log Private Water
ADDRESS 6424 Sandblast Rd
Sheridan OR 97378
FACILITY Recharge well
LOCATION 3 Iron Mtn Springs Wtr Dr

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER: WR0051165
(17-19) DISCHARGE NUMBER:

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91.

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	93	03	1	TO	93	4	1
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Total Coli Form	SAMPLE MEASUREMENT						Ø			1-31	Grab
	PERMIT REQUIREMENT										
Nitrogen Nitrate	SAMPLE MEASUREMENT						<0.1			1-31	Grab
	PERMIT REQUIREMENT										
Ph	SAMPLE MEASUREMENT				7.0	7.2	7.3			1-31	Grab
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

RECEIVED
APR 20 1993
WATER RESOURCES DEPT.
SALEM, OREGON

RECEIVED
APR 12 1993
STATE OF OREGON
DEPARTMENT OF ENVIRONMENTAL QUALITY
SALEM OR 97310

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE		DATE		
Mark Leon Operator	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*	Mark Leon	503	843267	93	3	30
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

Paperwork Reduction Act Notice

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2. Enter "*Permittee Name/Mailing Address* (and facility name/location, if different)," "*Permit Number*," and "*Discharge Number*" where indicated. (A separate form is required for each discharge.)
3. Enter dates beginning and ending "*Monitoring Period*" covered by form where indicated.
4. Enter each "*Parameter*" as specified in monitoring requirements of permit.
5. Enter "*Sample Measurement*" data for each parameter under "*Quantity*" and "*Quality*" in units specified in permit. "*Average*" is normally arithmetic average (geometric average for bacterial parameters) of all sample measurements for each parameter obtained during "*Monitoring Period*"; "*Maximum*" and "*Minimum*" are normally extreme high and low measurements obtained during "*Monitoring Period.*" (**Note to municipals with secondary treatment requirement:** Enter 30-day average of sample measurements under "*Average*," and enter maximum 7-day average of sample measurements obtained during monitoring period under "*Maximum.*")
6. Enter "*Permit Requirement*" for each parameter under "*Quantity*" and "*Quality*" as specified in permit.
7. Under "*No Ex.*" enter number of sample measurements during monitoring period that exceed maximum (and/or minimum or 7-day average as appropriate) permit requirement for each parameter. If none, enter "0."
8. Enter "*Frequency of Analysis*" both as "*Sample Measurement*" (actual frequency of sampling and analysis used during monitoring period) and as "*Permit Requirement*" specified in permit. (e.g., Enter "*Cont*," for continuous monitoring, "*1/7*" for one day per week, "*1/30*" for one day per month, "*1/90*" for one day per quarter, etc.)
9. Enter "*Sample Type*" both as "*Sample Measurement*" (actual sample type used during monitoring period) and as "*Permit Requirement*," (e.g., Enter "*Grab*" for individual sample, "*24HC*" for 24-hour composite, "*N/A*" for continuous monitoring, etc.)
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EPA Form 3320-1 (Rev. 9-88)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME Buell Red Prairie Water Dist

ADDRESS 6430 Red Prairie Rd

Sheridan OR 97378

FACILITY Recharge Well

LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
WRD5116S	
PERMIT NUMBER	DISCHARGE NUMBER

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91.

MONITORING PERIOD

FROM YEAR	MO	DAY	TO YEAR	MO	DAY
93	4	1	93	4	30
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

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	PERMIT REQUIREMENT										
Nitrogen Nitrate	SAMPLE MEASUREMENT						< 0.1			1-30	Grab
	PERMIT REQUIREMENT										
Ph	SAMPLE MEASUREMENT				7.2	7.3	7.3			1-30	Grab
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

RECEIVED
MAY 12 1993
STATE OF OREGON
DEPARTMENT OF ENVIRONMENTAL QUALITY
SALEM OR 97310

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 USC § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE AREA CODE	NUMBER	DATE YEAR	MO	DAY
503	843-2675	93	4	27

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

RECEIVED
MAY 17 1993
WATER RESOURCES DEPT.
SALEM, OREGON

EPA Form 3320-1 (Rev. 9-88) *Previous editions may be used.* (REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

PAGE OF

Paperwork Reduction Act Notice

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6. Enter "*Permit Requirement*" for each parameter under "*Quantity*" and "*Quality*" as specified in permit.
7. Under "*No Ex*" enter number of sample measurements during monitoring period that exceed maximum (and/or minimum or 7-day average as appropriate) permit requirement for each parameter. If none, enter "0."
8. Enter "*Frequency of Analysis*" both as "*Sample Measurement*" (actual frequency of sampling and analysis used during monitoring period) and as "*Permit Requirement*" specified in permit. (e.g., Enter "*Cont*," for continuous monitoring, "*1/7*" for one day per week, "*1/30*" for one day per month, "*1/90*" for one day per quarter, etc.)
9. Enter "*Sample Type*" both as "*Sample Measurement*" (actual sample type used during monitoring period) and as "*Permit Requirement*," (e.g., Enter "*Grab*" for individual sample, "*24HC*" for 24-hour composite, "*N/A*" for continuous monitoring, etc.)
10. Where violations of permit requirements are reported, attach a brief explanation to describe cause and corrective actions taken, and reference each violation by date.
11. If "no discharge" occurs during monitoring period, enter "*No Discharge*" across form in place of data entry.
12. Enter "*Name/Title of Principal Executive Officer*" with "*Signature of Principal Executive Officer or Authorized Agent*," "*Telephone Number*," and "*Date*" at bottom of form.
13. Mail signed Report to Office(s) by date(s) specified in permit. Retain copy for your records.
14. More detailed instructions for use of this *Discharge Monitoring Report (DMR)* form may be obtained from Office(s) specified in permit.

Legal Notice

This report is required by law (33 U.S.C. 1318; 40 C.F.R. 125.27). Failure to report or failure to report truthfully can result in civil penalties not to exceed $10,000 per day of violation; or in criminal penalties not to exceed $25,000 per day of violation, or by imprisonment for not more than one year, or by both.

EPA Form 3320-1 (Rev. 9-88)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME Bowell Red Prairie Water

ADDRESS 6430 Red Prairie Rd
Sheridan OR 97378

FACILITY Recharge Well

LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16) WRD 5116 S — PERMIT NUMBER

(17-19) — DISCHARGE NUMBER

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91.

MONITORING PERIOD

FROM YEAR	MO	DAY	TO YEAR	MO	DAY
93	5	1	93	5	31
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Total Col. Form	SAMPLE MEASUREMENT						0			1-31	Grab
	PERMIT REQUIREMENT										
Nitrogen Nitrate	SAMPLE MEASUREMENT						<0.1			1-31	Grab
	PERMIT REQUIREMENT										
Ph	SAMPLE MEASUREMENT				7.3	7.3	7.3			1-31	Grab
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

RECEIVED
JUN 11 1993
WATER RESOURCES DEPT.
SALEM, OREGON

RECEIVED
JUN 9 1993
STATE OF OREGON
DEPARTMENT OF ENVIRONMENTAL QUALITY
SALEM OR 97310

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE AREA CODE	NUMBER	DATE YEAR	MO	DAY
503	843-7625	93	5	31

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Paperwork Reduction Act Notice

Public reporting burden for this collection of information is estimated to vary from a range of 10 hours as an average per response for some minor facilities, to 110 hours as an average per response for some major facilities, with a weighted average for major and minor facilities of 18 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

General Instructions

1. If form has been partially completed by preprinting, disregard instructions directed at entry of that information already preprinted.
2. Enter "*Permittee Name/Mailing Address* (and facility name/location, if different)," "*Permit Number*," and "*Discharge Number*" where indicated. (A separate form is required for each discharge.)
3. Enter dates beginning and ending "*Monitoring Period*" covered by form where indicated.
4. Enter each "*Parameter*" as specified in monitoring requirements of permit.
5. Enter "*Sample Measurement*" data for each parameter under "*Quantity*" and "*Quality*" in units specified in permit. "*Average*" is normally arithmetic average (geometric average for bacterial parameters) of all sample measurements for each parameter obtained during "*Monitoring Period*"; "*Maximum*" and "*Minimum*" are normally extreme high and low measurements obtained during "*Monitoring Period*." **(Note to municipals with secondary treatment requirement:** Enter 30-day average of sample measurements under "*Average*," and enter maximum 7-day average of sample measurements obtained during monitoring period under "*Maximum*.")
6. Enter "*Permit Requirement*" for each parameter under "*Quantity*" and "*Quality*" as specified in permit.
7. Under "*No Ex*" enter number of sample measurements during monitoring period that exceed maximum (and/or minimum or 7-day average as appropriate) permit requirement for each parameter. If none, enter "0."
8. Enter "*Frequency of Analysis*" both as "*Sample Measurement*" (actual frequency of sampling and analysis used during monitoring period) and as "*Permit Requirement*" specified in permit. (e.g., Enter "*Cont*," for continuous monitoring, "*1/7*" for one day per week, "*1/30*" for one day per month, "*1/90*" for one day per quarter, etc.)
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12. Enter "*Name/Title of Principal Executive Officer*" with "*Signature of Principal Executive Officer of Authorized Agent*," "*Telephone Number*," and "*Date*" at bottom of form.
13. Mail signed Report to Office(s) by date(s) specified in permit. Retain copy for your records.
14. More detailed instructions for use of this *Discharge Monitoring Report (DMR)* form may be obtained from Office(s) specified in permit.

Legal Notice

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EPA Form 3320-1 (Rev. 9-88)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME Buell-Red Prairie Water
ADDRESS 6430 Red Prairie Rd
Silverton OR 97381
FACILITY Recharge Well
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER: WRD5116 5
(17-19) DISCHARGE NUMBER:

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91.

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	93	6	1	TO	93	6	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Total Coliform	SAMPLE MEASUREMENT						8			1-30	Grab
	PERMIT REQUIREMENT										
Total Nitrate	SAMPLE MEASUREMENT						4.1			1-30	Grab
	PERMIT REQUIREMENT										
Ph	SAMPLE MEASUREMENT				7.8	7.8	7.8			1-30	Grab
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT				Switched to digital Ph meter						
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

RECEIVED
JUL 19 1993
STATE OF OREGON
DEPARTMENT OF ENVIRONMENTAL QUALITY
SALEM OR 97310

RECEIVED
JUL 22 1993
WATER RESOURCES DEPT.
SALEM, OREGON

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE		DATE		
	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C § 1001 AND 33 U.S.C § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*		AREA CODE	NUMBER	YEAR	MO	DAY
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	503	874-2673	93	6	31

COMMENT AND EXPLANATION OF ANY VIOLATIONS (*Reference all attachments here*)

Paperwork Reduction Act Notice

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General Instructions

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2. Enter "*Permittee Name/Mailing Address* (and facility name/location, if different)," "*Permit Number*," and "*Discharge Number*" where indicated. (A separate form is required for each discharge.)
3. Enter dates beginning and ending "*Monitoring Period*" covered by form where indicated.
4. Enter each "*Parameter*" as specified in monitoring requirements of permit.
5. Enter "*Sample Measurement*" data for each parameter under "*Quantity*" and "*Quality*" in units specified in permit. "*Average*" is normally arithmetic average (geometric average for bacterial parameters) of all sample measurements for each parameter obtained during "*Monitoring Period*"; "*Maximum*" and "*Minimum*" are normally extreme high and low measurements obtained during "*Monitoring Period*." **(Note to municipals with secondary treatment requirement:** Enter 30-day average of sample measurements under "*Average*," and enter maximum 7-day average of sample measurements obtained during monitoring period under "*Maximum*.")
6. Enter "*Permit Requirement*" for each parameter under "*Quantity*" and "*Quality*" as specified in permit.
7. Under "*No Ex*" enter number of sample measurements during monitoring period that exceed maximum (and/or minimum or 7-day average as appropriate) permit requirement for each parameter. If none, enter "0."
8. Enter "*Frequency of Analysis*" both as "*Sample Measurement*" (actual frequency of sampling and analysis used during monitoring period) and as "*Permit Requirement*" specified in permit. (e.g., Enter "*Cont*," for continuous monitoring, "*1/7*" for one day per week, "*1/30*" for one day per month, "*1/90*" for one day per quarter, etc.)
9. Enter "*Sample Type*" both as "*Sample Measurement*" (actual sample type used during monitoring period) and as "*Permit Requirement*," (e.g., Enter "*Grab*" for individual sample, "*24HC*" for 24-hour composite, "*N/A*" for continuous monitoring, etc.)
10. Where violations of permit requirements are reported, attach a brief explanation to describe cause and corrective actions taken, and reference each violation by date.
11. If "no discharge" occurs during monitoring period, enter "*No Discharge*" across form in place of data entry.
12. Enter "*Name/Title of Principal Executive Officer*" with "*Signature of Principal Executive Officer of Authorized Agent*," "*Telephone Number*," and "*Date*" at bottom of form.
13. Mail signed Report to Office(s) by date(s) specified in permit. Retain copy for your records.
14. More detailed instructions for use of this *Discharge Monitoring Report (DMR)* form may be obtained from Office(s) specified in permit.

Legal Notice

This report is required by law (33 U.S.C. 1318; 40 C.F.R. 125.27). Failure to report or failure to report truthfully can result in civil penalties not to exceed $10,000 per day of violation; or in criminal penalties not to exceed $25,000 per day of violation, or by imprisonment for not more than one year, or by both.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME Buell Red Prairie Water

ADDRESS 6130 Red Prairie Rd

Sheridan OR 97378

FACILITY Recharge

LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
WRD 5116 S	
PERMIT NUMBER	DISCHARGE NUMBER

RECEIVED

AUG 16 1993

WATER RESOURCES DEPT.
SALEM, OREGON

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91.

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	93	07	01	TO	93	07	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Total Coliform	SAMPLE MEASUREMENT						0			1-31	Grab
	PERMIT REQUIREMENT										
Total Nitrate	SAMPLE MEASUREMENT						<.1			1-31	Grab
	PERMIT REQUIREMENT										
Ph	SAMPLE MEASUREMENT				7.8	7.9	8.0			1-31	Grab
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

RECEIVED
AUG 10 1993
STATE OF OREGON
DEPARTMENT OF ENVIRONMENTAL QUALITY
SALEM OR 97310

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*

[signature]

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	843-7671	93	7	31
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Paperwork Reduction Act Notice

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General Instructions

1. If form has been partially completed by preprinting, disregard instructions directed at entry of that information already preprinted.
2. Enter "*Permittee Name/Mailing Address* (and facility name/location, if different)," "*Permit Number*," and "*Discharge Number*" where indicated. (A separate form is required for each discharge.)
3. Enter dates beginning and ending "*Monitoring Period*" covered by form where indicated.
4. Enter each "*Parameter*" as specified in monitoring requirements of permit.
5. Enter "*Sample Measurement*" data for each parameter under "*Quantity*" and "*Quality*" in units specified in permit. "*Average*" is normally arithmetic average (geometric average for bacterial parameters) of all sample measurements for each parameter obtained during "*Monitoring Period*"; "*Maximum*" and "*Minimum*" are normally extreme high and low measurements obtained during "*Monitoring Period.*" (**Note to municipals with secondary treatment requirement:** Enter 30-day average of sample measurements under "*Average*," and enter maximum 7-day average of sample measurements obtained during monitoring period under "*Maximum.*")
6. Enter "*Permit Requirement*" for each parameter under "*Quantity*" and "*Quality*" as specified in permit.
7. Under "*No Ex*" enter number of sample measurements during monitoring period that exceed maximum (and/or minimum or 7-day average as appropriate) permit requirement for each parameter. If none, enter "0."
8. Enter "*Frequency of Analysis*" both as "*Sample Measurement*" (actual frequency of sampling and analysis used during monitoring period) and as "*Permit Requirement*" specified in permit. (e.g., Enter "*Cont*," for continuous monitoring, "*1/7*" for one day per week, "*1/30*" for one day per month, "*1/90*" for one day per quarter, etc.)
9. Enter "*Sample Type*" both as "*Sample Measurement*" (actual sample type used during monitoring period) and as "*Permit Requirement*," (e.g., Enter "*Grab*" for individual sample, "*24HC*" for 24-hour composite, "*N/A*" for continuous monitoring, etc.)
10. Where violations of permit requirements are reported, attach a brief explanation to describe cause and corrective actions taken, and reference each violation by date.
11. If "no discharge" occurs during monitoring period, enter "*No Discharge*" across form in place of data entry.
12. Enter "*Name/Title of Principal Executive Officer*" with "*Signature of Principal Executive Officer of Authorized Agent*," "*Telephone Number*," and "*Date*" at bottom of form.
13. Mail signed Report to Office(s) by date(s) specified in permit. Retain copy for your records.
14. More detailed instructions for use of this *Discharge Monitoring Report (DMR)* form may be obtained from Office(s) specified in permit.

Legal Notice

This report is required by law (33 U.S.C. 1318; 40 C.F.R. 125.27). Failure to report or failure to report truthfully can result in civil penalties not to exceed $10,000 per day of violation; or in criminal penalties not to exceed $25,000 per day of violation, or by imprisonment for not more than one year, or by both.

EPA Form 3320-1 (Rev. 9-88)

CC/ Water Resources

66 101

PERMITTEE NAME/ADDRESS
(Include Facility Name/Location if different)

NAME Buell-Red Prairie Water District

ADDRESS 6430 Red Prairie Rd.
Sheridan, OR 97378-9520

FACILITY Recharge Well

LOCATION 23590 Mountain Springs Dr., Sheridan, OR 97378

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*

DISCHARGE MONITORING REPORT

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
WRD 51165	

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91

MONITORING PERIOD

YEAR (20-21)	MO (22-23)	DAY ((24-25)	YEAR (26-27)	MO (28-29)	DAY (30-31)
93	11	1	39	11	1

NOTE: Read instructions before completing form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FRQUENCY OF ANALYSIS (64-68)	SAMPL TYPE (69-70)
Total Coliform	SAMPLE MEASUREMENT						0			1-30	GRAB
	PERMIT REQUIREMENT						< 1/100ml				
Nitrogen Nitrate	SAMPLE MEASUREMENT						> 0.1			1-30	GRAB
	PERMIT REQUIREMENT						5.0 mg/l				
PH	SAMPLE MEASUREMENT				6.9	7.3	8.4			1-30	GRAB
	PERMIT REQUIREMENT				6.5		8.5				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

RECEIVED JAN 26 1995 WATER RESOURCES DEPT. SALEM, OREGON

RECEIVED JAN 0 6 1995

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Mark Lyon / System operator and maintenance.

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH TEH INFORMATION SUBMITTED HERIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARETHAT THERE ARE SIGNIFICANT PENALTIES FOR SBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC 1001 AND 33 USC 1319 *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 3 years.)*

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

AREA CODE	NUMBER	YR	MO	DAY
503	843-2675	93	11	30

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME Bend Red Prairie Water

ADDRESS 64730 Red Prairie Rd

Sisters OR 97759

FACILITY Recharge Well

LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER: WPCF 5466

(17-19) DISCHARGE NUMBER:

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91.

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	93	11	1	TO	93	11	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Total Coliform	SAMPLE MEASUREMENT						<2.0			1-30	Grab
	PERMIT REQUIREMENT										
Nitrogen Nitrate	SAMPLE MEASUREMENT						<0.1			1-30	Grab
	PERMIT REQUIREMENT										
PH	SAMPLE MEASUREMENT				8.0	8.2	8.3			1-30	Grab
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

RECEIVED
JAN 24 1994
STATE OF OREGON
DEPARTMENT OF ENVIRONMENTAL QUALITY
SALEM OR 97310

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)*				93	11	25
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (*Reference all attachments here*)

Paperwork Reduction Act Notice

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3. Enter dates beginning and ending "*Monitoring Period*" covered by form where indicated.
4. Enter each "*Parameter*" as specified in monitoring requirements of permit.
5. Enter "*Sample Measurement*" data for each parameter under "*Quantity*" and "*Quality*" in units specified in permit. "*Average*" is normally arithmetic average (geometric average for bacterial parameters) of all sample measurements for each parameter obtained during "*Monitoring Period*"; "*Maximum*" and "*Minimum*" are normally extreme high and low measurements obtained during "*Monitoring Period.*" **(Note to municipals with secondary treatment requirement:** Enter 30-day average of sample measurements under "*Average*," and enter maximum 7-day average of sample measurements obtained during monitoring period under "*Maximum.*")
6. Enter "*Permit Requirement*" for each parameter under "*Quantity*" and "*Quality*" as specified in permit.
7. Under "*No Ex*" enter number of sample measurements during monitoring period that exceed maximum (and/or minimum or 7-day average as appropriate) permit requirement for each parameter. If none, enter "0."
8. Enter "*Frequency of Analysis*" both as "*Sample Measurement*" (actual frequency of sampling and analysis used during monitoring period) and as "*Permit Requirement*" specified in permit. (e.g., Enter "*Cont*," for continuous monitoring, "*1/7*" for one day per week, "*1/30*" for one day per month, "*1/90*" for one day per quarter, etc.)
9. Enter "*Sample Type*" both as "*Sample Measurement*" (actual sample type used during monitoring period) and as "*Permit Requirement*," (e.g., Enter "*Grab*" for individual sample, "*24HC*" for 24-hour composite, "*N/A*" for continuous monitoring, etc.)
10. Where violations of permit requirements are reported, attach a brief explanation to describe cause and corrective actions taken, and reference each violation by date.
11. If "no discharge" occurs during monitoring period, enter "*No Discharge*" across form in place of data entry.
12. Enter "*Name/Title of Principal Executive Officer*" with "*Signature of Principal Executive Officer or Authorized Agent*," "*Telephone Number*," and "*Date*" at bottom of form.
13. Mail signed Report to Office(s) by date(s) specified in permit. Retain copy for your records.
14. More detailed instructions for use of this *Discharge Monitoring Report (DMR)* form may be obtained from Office(s) specified in permit.

Legal Notice

This report is required by law (33 U.S.C. 1318; 40 C.F.R. 125.27). Failure to report or failure to report truthfully can result in civil penalties not to exceed $10,000 per day of violation; or in criminal penalties not to exceed $25,000 per day of violation, or by imprisonment for not more than one year, or by both.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME Buell Red Prairie Water

ADDRESS 6430 Red Prairie Rd
Sheridan OR 97328

FACILITY Recharge Well

LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
WRD 5165	
PERMIT NUMBER	DISCHARGE NUMBER

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91.

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	92	12	1	TO	92	12	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Total Coliform	SAMPLE MEASUREMENT						0			1-31	Grab
	PERMIT REQUIREMENT										
Nitrogen Nitrate	SAMPLE MEASUREMENT						<0.1			1-31	Grab
	PERMIT REQUIREMENT										
pH	SAMPLE MEASUREMENT				7.9	8.1	8.3			1-31	Grab
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

RECEIVED
JAN 24 1994
STATE OF OREGON
DEPARTMENT OF ENVIRONMENTAL QUALITY
SALEM OR 97310

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 USC § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*		TELEPHONE		DATE		
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR 93	MO 12	DAY 31

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Paperwork Reduction Act Notice

Public reporting burden for this collection of information is estimated to vary from a range of 10 hours as an average per response for some minor facilities, to 110 hours as an average per response for some major facilities, with a weighted average for major and minor facilities of 18 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

General Instructions

1. If form has been partially completed by preprinting, disregard instructions directed at entry of that information already preprinted.
2. Enter "*Permittee Name/Mailing Address* (and facility name/location, if different)," "*Permit Number*," and "*Discharge Number*" where indicated. (A separate form is required for each discharge.)
3. Enter dates beginning and ending "*Monitoring Period*" covered by form where indicated.
4. Enter each "*Parameter*" as specified in monitoring requirements of permit.
5. Enter "*Sample Measurement*" data for each parameter under "*Quantity*" and "*Quality*" in units specified in permit. "*Average*" is normally arithmetic average (geometric average for bacterial parameters) of all sample measurements for each parameter obtained during "*Monitoring Period*"; "*Maximum*" and "*Minimum*" are normally extreme high and low measurements obtained during "*Monitoring Period*." (**Note to municipals with secondary treatment requirement:** Enter 30-day average of sample measurements under "*Average*," and enter maximum 7-day average of sample measurements obtained during monitoring period under "*Maximum*.")
6. Enter "*Permit Requirement*" for each parameter under "*Quantity*" and "*Quality*" as specified in permit.
7. Under "*No Ex*" enter number of sample measurements during monitoring period that exceed maximum (and/or minimum or 7-day average as appropriate) permit requirement for each parameter. If none, enter "0."
8. Enter "*Frequency of Analysis*" both as "*Sample Measurement*" (actual frequency of sampling and analysis used during monitoring period) and as "*Permit Requirement*" specified in permit. (e.g., Enter "*Cont*," for continuous monitoring, "*1/7*" for one day per week, "*1/30*" for one day per month, "*1/90*" for one day per quarter, etc.)
9. Enter "*Sample Type*" both as "*Sample Measurement*" (actual sample type used during monitoring period) and as "*Permit Requirement*," (e.g., Enter "*Grab*" for individual sample, "*24HC*" for 24-hour composite, "*N/A*" for continuous monitoring, etc.)
10. Where violations of permit requirements are reported, attach a brief explanation to describe cause and corrective actions taken, and reference each violation by date.
11. If "no discharge" occurs during monitoring period, enter "*No Discharge*" across form in place of data entry.
12. Enter "*Name/Title of Principal Executive Officer*" with "*Signature of Principal Executive Officer or Authorized Agent*," "*Telephone Number*," and "*Date*" at bottom of form.
13. Mail signed Report to Office(s) by date(s) specified in permit. Retain copy for your records.
14. More detailed instructions for use of this *Discharge Monitoring Report (DMR)* form may be obtained from Office(s) specified in permit.

Legal Notice

This report is required by law (33 U.S.C. 1318; 40 C.F.R. 125.27). Failure to report or failure to report truthfully can result in civil penalties not to exceed $10,000 per day of violation; or in criminal penalties not to exceed $25,000 per day of violation, or by imprisonment for not more than one year, or by both.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME Burnt Red Prairie Water

ADDRESS 6436 Red Prairie Rd
Shandon OR 97325

FACILITY Hackamore Well

LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
WP D51165	
PERMIT NUMBER	DISCHARGE NUMBER

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91.

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	94	01	1	TO	94	1	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Total Coliform	SAMPLE MEASUREMENT						0			1-31	Grab
	PERMIT REQUIREMENT										
Nitrogen Nitrate	SAMPLE MEASUREMENT						<0.1			1-31	Grab
	PERMIT REQUIREMENT										
Ph	SAMPLE MEASUREMENT				7.8	8.0	8.2			1-31	Grab
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

RECEIVED
JAN 24 1994
STATE OF OREGON
DEPARTMENT OF ENVIRONMENTAL QUALITY
SALEM OR 97310

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)		TELEPHONE		DATE		
					94	1	31
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Paperwork Reduction Act Notice

Public reporting burden for this collection of information is estimated to vary from a range of 10 hours as an average per response for some minor facilities, to 110 hours as an average per response for some major facilities, with a weighted average for major and minor facilities of 18 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

General Instructions

1. **If form has been partially completed by preprinting, disregard instructions directed at entry of that information already preprinted.**
2. **Enter "*Permittee Name/Mailing Address* (and facility name/location, if different)," "*Permit Number*," and "*Discharge Number*" where indicated. (A separate form is required for each discharge.)**
3. **Enter dates beginning and ending "*Monitoring Period*" covered by form where indicated.**
4. **Enter each "*Parameter*" as specified in monitoring requirements of permit.**
5. Enter "*Sample Measurement*" data for each parameter under "*Quantity*" and "*Quality*" in units specified in permit. "*Average*" is normally arithmetic average (geometric average for bacterial parameters) of all sample measurements for each parameter obtained during "*Monitoring Period*"; "*Maximum*" and "*Minimum*" are normally extreme high and low measurements obtained during "*Monitoring Period.*" **(Note to municipals with secondary treatment requirement:** Enter 30-day average of sample measurements under "*Average*," and enter maximum 7-day average of sample measurements obtained during monitoring period under "*Maximum.*")
6. Enter "*Permit Requirement*" for each parameter under "*Quantity*" and "*Quality*" as specified in permit.
7. Under "*No Ex*" enter number of sample measurements during monitoring period that exceed maximum (and/or minimum or 7-day average as appropriate) permit requirement for each parameter. If none, enter "0."
8. Enter "*Frequency of Analysis*" both as "*Sample Measurement*" (actual frequency of sampling and analysis used during monitoring period) and as "*Permit Requirement*" specified in permit. (e.g., Enter "*Cont*," for continuous monitoring, "*1/7*" for one day per week, "*1/30*" for one day per month, "*1/90*" for one day per quarter, etc.)
9. Enter "*Sample Type*" both as "*Sample Measurement*" (actual sample type used during monitoring period) and as "*Permit Requirement*," (e.g., Enter "*Grab*" for individual sample, "*24HC*" for 24-hour composite, "*N/A*" for continuous monitoring, etc.)
10. Where violations of permit requirements are reported, attach a brief explanation to describe cause and corrective actions taken, and reference each violation by date.
11. If "no discharge" occurs during monitoring period, enter "*No Discharge*" across form in place of data entry.
12. Enter "*Name/Title of Principal Executive Officer*" with "*Signature of Principal Executive Officer of Authorized Agent*," "*Telephone Number*," and "*Date*" at bottom of form.
13. Mail signed Report to Office(s) by date(s) specified in permit. Retain copy for your records.
14. More detailed instructions for use of this *Discharge Monitoring Report (DMR)* form may be obtained from Office(s) specified in permit.

Legal Notice

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EPA Form 3320-1 (Rev. 9-88)

PERMITTEE NAME/ADDRESS
(Include Facility Name/Location if different)

NAME Buell Red Prairie Water District
ADDRESS 6430 Red Prairie Rd.
Sheridan, OR 97378-9520
FACILITY Recharge Well
LOCATION 23590 Mountain Springs Dr., Sheridan, OR 97378

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT

(2-16)	(17-19)
WRD 51165	
PERMIT NUMBER	DISCHARGE NUMBER

RECEIVED JUL 25 1994 WATER RESOURCES DEPT. SALEM, OREGON

IAP

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91

MONITORING PERIOD

YEAR	MO	DAY	YEAR	MO	DAY
94	4	1	94	4	30
(20-21)	(22-23)	((24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FRQUENCY OF ANALYSIS (64-68)	SAMPL TYPE (69-70)
Total Coliform	SAMPLE MEASUREMENT						0			1/30	GRAB
	PERMIT REQUIREMENT						< 1/100ml				
Nitrogen Nitrate	SAMPLE MEASUREMENT						< 0.1			1/30	GRAB
	PERMIT REQUIREMENT						5.0 mg/l				
PH	SAMPLE MEASUREMENT				7.2	7.2	7.2			1/30	GRAB
	PERMIT REQUIREMENT				6.5		8.5				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

Back to Chem Pk test digital bad

RECEIVED
APR 22 1994
WESTERN REGION - SALEM OFFICE

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Mark Lyon / System operator and maintenance.
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH TEH INFORMATION SUBMITTED HERIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARETHAT THERE ARE SIGNIFICANT PENALTIES FOR SBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC 1001 AND 33 USC 1319 (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 3 years.)

Mark Lyon
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

AREA CODE	NUMBER	YR	MO	DAY
503	843-2675	94	4	14

COMMENT AND EXPLANATION OF ANY VIOLATIONS

IRF

PERMITTEE NAME/ADDRESS
(Include Facility Name/Location if different)

NAME: Bull Rod Prairie Water District
ADDRESS: 6430 Rod Prairie Rd.
Sheridan, OR 97378-9520
FACILITY: Recharge Well
LOCATION: 23590 Mountain Springs Dr., Sheridan, OR 97378

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
WRD 51165	

MONITORING PERIOD

YEAR (20-21)	MO (22-23)	DAY ((24-25)	YEAR (26-27)	MO (28-29)	DAY (30-31)
94	5	1	94	5	31

RECEIVED JUN 25 1994 WATER RESOURCES DEPT SALEM, OREGON

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91

NOTE: Read instructions before completing form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FRQUENCY OF ANALYSIS (64-68)	SAMPL TYPE (69-70)
Total Coliform	SAMPLE MEASUREMENT						0			1-31	GRAB
	PERMIT REQUIREMENT						< 1/100ml				
Nitrogen Nitrate	SAMPLE MEASUREMENT						0			1-31	GRAB
	PERMIT REQUIREMENT						5.0 mg/l				
PH	SAMPLE MEASUREMENT				7.2	7.2	7.3			1-31	GRAB
	PERMIT REQUIREMENT				6.5		8.5				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

RECEIVED
JUN 13 1994
WESTERN REGION - SALEM OFFICE

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Mark Lyon / System operator and maintenance.

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH TEH INFORMATION SUBMITTED HERIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARETHAT THERE ARE SIGNIFICANT PENALTIES FOR SBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC 1001 AND 33 USC 1319 *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 3 years.)*

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

AREA CODE	NUMBER	YR	MO	DAY
503	843-2675	94	5	31

COMMENT AND EXPLANATION OF ANY VIOLATIONS

WATER RES

PERMITTEE NAME/ADDRESS
(Include Facility Name/Location if different)

NAME Buell Red Prairie Water District
ADDRESS 6430 Red Prairie Rd.
Sheridan, OR 97378-9520
FACILITY Recharge Well
LOCATION 23590 Mountain Springs Dr., Sheridan, OR 97378

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT

(2-16) PERMIT NUMBER: WRD 51165
(17-19) DISCHARGE NUMBER:

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91

RECEIVED
MAR - 2 1995
WATER RESOURCES DEPT.
SALEM, OREGON

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
	95	1	1		95	1	31
	(20-21)	(22-23)	((24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING AVERAGE (46-53)	MAXIMUM (54-61)	UNITS	(4 Card Only) QUALITY OR CONCENTRATION MINIMUM (38-45)	AVERAGE (46-53)	MAXIMUM (54-61)	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Total Coliform	SAMPLE MEASUREMENT						0			1-31	GRA
	PERMIT REQUIREMENT						< 1/100ml				
Nitrogen Nitrate	SAMPLE MEASUREMENT						< 0..			1-31	GRA
	PERMIT REQUIREMENT						5.0 mg/l				
PH	SAMPLE MEASUREMENT				6.8	7.3	7.1			1-31	GRA
	PERMIT REQUIREMENT				6.5		8.5				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT					RECEIVED					
	PERMIT REQUIREMENT					FEB 0 8 1995					

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Mark Lyon / System operator and maintenance.
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH TEH INFORMATION SUBMITTED HERIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARETHAT THERE ARE SIGNIFICANT PENALTIES FOR SBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC 1001 AND 33 USC 1319 (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 3 years.)

WESTERN REGION - SALEM OFFICE
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
503 843-2675
AREA CODE | NUMBER

95 | 1 | 20
YR | MO | DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITTEE NAME/ADDRESS
(Include Facility Name/Location if different)

NAME: Buell Red Prairie Water District
ADDRESS: 6430 Red Prairie Rd.
Sheridan, OR 97378-9520
FACILITY: Recharge Well
LOCATION: 23590 Mountain Springs Dr., Sheridan, OR 97378

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*

DISCHARGE MONITORING REPORT

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
WRD 51165	

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91

MONITORING PERIOD

YEAR (20-21)	MO (22-23)	DAY ((24-25)	YEAR (26-27)	MO (28-29)	DAY (30-31)
94	1	20	95	1	20

NOTE: Read instructions before completing form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FRQUENCY OF ANALYSIS (64-68)	SAMPL TYPE (69-70)
Flouride	SAMPLE MEASUREMENT						< 0.1			1	GRAB
	PERMIT REQUIREMENT										
Iron	SAMPLE MEASUREMENT					2.01				1	GRAB
	PERMIT REQUIREMENT										
Lead	SAMPLE MEASUREMENT						< 0.002			1	GRAB
	PERMIT REQUIREMENT										
Manganese	SAMPLE MEASUREMENT						< 0.005			1	GRAB
	PERMIT REQUIREMENT										
Mercury	SAMPLE MEASUREMENT						< 0.001			1	GRAB
	PERMIT REQUIREMENT										
Selenium	SAMPLE MEASUREMENT						< 0.002			1	GRAB
	PERMIT REQUIREMENT										
Silver	SAMPLE MEASUREMENT						< 0.01			1	GRAB
	PERMIT REQUIREMENT										

RECEIVED
MAR 10 1995
WATER RESOURCES - SALEM OFFICE
MAR 28 1995
WATER RESOURCES DEPT.
SALEM, OREGON

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE			
Mark Lyon / System operator and maintenance.	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH TEH INFORMATION SUBMITTED HERIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARETHAT THERE ARE SIGNIFICANT PENALTIES FOR SBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC 1001 AND 33 USC 1319 *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 3 years.)*		503	843-2675	95	1	20
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITTEE NAME/ADDRESS
(Include Facility Name/Location if different)

NAME Buell-Red Prairie Water District

ADDRESS 6430 Red Prairie Rd.
Sheridan, OR 97378-9520

FACILITY Recharge Well

LOCATION 23590 Mountain Springs Dr., Sheridan, OR 97378

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*

DISCHARGE MONITORING REPORT

(2-16)	(17-19)
WRD 51165	
PERMIT NUMBER	DISCHARGE NUMBER

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91

MONITORING PERIOD

YEAR	MO	DAY		YEAR	MO	DAY
94	1	20		95	1	20
(20-21)	(22-23)	((24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (45-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FRQUENCY OF ANALYSIS (64-68)	SAMPL TYPE (69-70)
Total Disolved Solids	SAMPLE MEASUREMENT						55			1	GRAB
	PERMIT REQUIREMENT										
Chloroform	SAMPLE MEASUREMENT					0.0126				1	GRAB
	PERMIT REQUIREMENT										
Bromodichloromethane	SAMPLE MEASUREMENT						0.0028			1	GRAB
	PERMIT REQUIREMENT										
Dibromochloromethane	SAMPLE MEASUREMENT						< 0.0005			1	GRAB
	PERMIT REQUIREMENT										
Bromoform	SAMPLE MEASUREMENT						< 0.005			1	GRAB
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT									1	GRAB
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT									1	GRAB
	PERMIT REQUIREMENT										

RECEIVED
MAR 10 1995
RECEIVED
MAR 28 1995

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Mark Lyon / System operator and maintenance.

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH TEH INFORMATION SUBMITTED HERIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARETHAT THERE ARE SIGNIFICANT PENALTIES FOR SBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC 1001 AND 33 USC 1319 *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 3 years.)*

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

AREA CODE	NUMBER	YR	MO	DAY
503	843-2675			

COMMENT AND EXPLANATION OF ANY VIOLATIONS

DECLASSIFIED

PERMITTEE NAME/ADDRESS
(Include Facility Name/Location if different)

NAME Buell-Red Prairie Water District

ADDRESS 6430 Red Prairie Rd.
Sheridan, OR 97378-9520

FACILITY Recharge Well

LOCATION 23590 Mountain Springs Dr., Sheridan, OR 97378

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*

DISCHARGE MONITORING REPORT

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
WRD 51165	

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91

MONITORING PERIOD

YEAR	MO	DAY		YEAR	MO	DAY
95	2	1		95	2	28
(20-21)	(22-23)	((24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPL TYPE (69-70)
Coliform	SAMPLE MEASUREMENT						0			1	GRAB
	PERMIT REQUIREMENT										
Nitrogen, Nitrate	SAMPLE MEASUREMENT					2.01				1	GRAB
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT									1	GRAB
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT									1	GRAB
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT									1	GRAB
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT									1	GRAB
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT									1	GRAB
	PERMIT REQUIREMENT										

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MAR 10 1995
WESTERN REGION - SALEM OFFICE

RECEIVED
MAR 28 1995
WATER
SALEM OREGON

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Mark Lyon / System operator and maintenance.

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH TEH INFORMATION SUBMITTED HERIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARETHAT THERE ARE SIGNIFICANT PENALTIES FOR SBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC 1001 AND 33 USC 1319 *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 3 years.)*

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

AREA CODE	NUMBER	YR	MO	DAY
503	843-2675	95	2	21

COMMENT AND EXPLANATION OF ANY VIOLATIONS

RECEIVED

PERMITTEE NAME/ADDRESS
(Include Facility Name/Location if different)

NAME: Buell-Red Prairie Water District
ADDRESS: 6430 Red Prairie Rd.
Sheridan, OR 97378-9520
FACILITY: Recharge Well
LOCATION: 23590 Mountain Springs Dr., Sheridan, OR 97378

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*

DISCHARGE MONITORING REPORT

(2-16)	(17-19)
WRD 51165	
PERMIT NUMBER	DISCHARGE NUMBER

Form Approved.
OMB No. 2040-0004
Approval expires 6-30-91

RECEIVED
MAY 17 1995
WATER RESOURCES DEPT
SALEM, OREGON

NOTE: Read instructions before completing form

MONITORING PERIOD

YEAR	MO	DAY		YEAR	MO	DAY
95	4	1		95	4	30
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FRQUENCY OF ANALYSIS (64-68)	SAMPL TYPE (69-70)
Total Coliform	SAMPLE MEASUREMENT						0			1-30	GR AB
	PERMIT REQUIREMENT						< 1/100ml				
Nitrogen Nitrate	SAMPLE MEASUREMENT						< 0.1			1-30	GR AB
	PERMIT REQUIREMENT						5.0 mg/l				
PH	SAMPLE MEASUREMENT				7.1	7.1	7.2			1-30	GR AB
	PERMIT REQUIREMENT				6.5		8.5				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

RECEIVED
MAY 11 1995
WESTERN REGION SALEM OFFICE

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE			
Mark Lyon / System operator and maintenance.	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH TEH INFORMATION SUBMITTED HERIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARETHAT THERE ARE SIGNIFICANT PENALTIES FOR SBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC 1001 AND 33 USC 1319 *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 3 years.)*		503	843-2675	95	4	24
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITTEE NAME/ADDRESS
(Include Facility Name/Location if different)

NAME Buell-Red Prairie Water District
ADDRESS 6430 Red Prairie Rd.
Sheridan, OR 97378-9520
FACILITY Recharge Well
LOCATION 23590 Mountain Springs Dr., Sheridan, OR 97378

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*

DISCHARGE MONITORING REPORT

(2-16)	(17-19)
WRD 51165	
PERMIT NUMBER	DISCHARGE NUMBER

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91

MONITORING PERIOD

YEAR	MO	DAY		YEAR	MO	DAY
95	5	1		95	5	31
(20-21)	(22-23)	((24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FRQUENCY OF ANALYSIS (64-68)	SAMPL TYPE (69-70)
Total Coliform	SAMPLE MEASUREMENT						0			1-30	GRAB
	PERMIT REQUIREMENT						< 1/100ml				
Nitrogen Nitrate	SAMPLE MEASUREMENT						< 0.1			1-30	GRAB
	PERMIT REQUIREMENT						5.0 mg/l				
PH	SAMPLE MEASUREMENT				7.1	7.2	7.4			1-30	GRAB
	PERMIT REQUIREMENT				6.5		8.5				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Mark Lyon / System operator and maintenance.

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH TEH INFORMATION SUBMITTED HERIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARETHAT THERE ARE SIGNIFICANT PENALTIES FOR SBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC 1001 AND 33 USC 1319 *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 3 years.)*

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

AREA CODE	NUMBER	YR	MO	DAY
503	843-2675	5	31	95

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITTEE NAME/ADDRESS
(Include Facility Name/Location if different)

NAME: Bull Red Prairie Water District
ADDRESS: 6430 Red Prairie Rd.
Sheridan, OR 97378-9520
FACILITY: Recharge Well
LOCATION: 23590 Mountain Springs Dr., Sheridan, OR 97378

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
WRD 51165	

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
95	2	1	96	1	31
(20-21)	(22-23)	((24-25)	(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91

RECEIVED
FEB 29 1996
WATER RESOURCES DEPT.
SALEM, OREGON

NOTE: Read instructions before completing form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPL TYPE (69-70)
pH	SAMPLE MEASUREMENT						7.8			1-365	GRAB
	PERMIT REQUIREMENT										
Specific Conductance	SAMPLE MEASUREMENT						58.8			1-365	GRAB
	PERMIT REQUIREMENT										
Arsenic	SAMPLE MEASUREMENT						<0.002ppm			1-365	GRAB
	PERMIT REQUIREMENT										
Barium	SAMPLE MEASUREMENT						<0.1ppm			1-365	GRAB
	PERMIT REQUIREMENT										
Cadmium	SAMPLE MEASUREMENT						<0.002ppm			1-365	GRAB
	PERMIT REQUIREMENT										
Chromium	SAMPLE MEASUREMENT						<0.005ppm			1-365	GRAB
	PERMIT REQUIREMENT										
Coper	SAMPLE MEASUREMENT						<0.01ppm			1-365	GRAB
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Mark Lyon / System operator and maintenance.

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH TEH INFORMATION SUBMITTED HERIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARETHAT THERE ARE SIGNIFICANT PENALTIES FOR SBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC 1001 AND 33 USC 1319 (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 3 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

AREA CODE	NUMBER	YR	MO	DAY
503	843-2675	96	1	12

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITTEE NAME/ADDRESS
(Include Facility Name/Location if different)

NAME Buell-Red Prairie Water District

ADDRESS 6430 Red Prairie Rd.
Sheridan, OR 97378-9520

FACILITY Recharge Well

LOCATION 23590 Mountain Springs Dr., Sheridan, OR 97378

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT

(2-16) WRD 51165 — PERMIT NUMBER

(17-19) — DISCHARGE NUMBER

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91

MONITORING PERIOD

YEAR (20-21)	MO (22-23)	DAY ((24-25)	YEAR (26-27)	MO (28-29)	DAY (30-31)
95	2	1	96	1	31

NOTE: Read instructions before completing form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FRQUENCY OF ANALYSIS (64-68)	SAMPL TYPE (69-70)
Chloroform as TTHM	SAMPLE MEASUREMENT						<0.0005ppm			1-365	GRAB
	PERMIT REQUIREMENT										
Bromodichloromethane as TTHM	SAMPLE MEASUREMENT						<0.0005ppm			1-365	GRAB
	PERMIT REQUIREMENT										
Dibromochloromethane as TTHM	SAMPLE MEASUREMENT						<0.0005ppm			1-365	GRAB
	PERMIT REQUIREMENT										
Bromoform as TTHM	SAMPLE MEASUREMENT						<0.0005ppm			1-365	GRAB
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT									1-365	GRAB
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT									1-365	GRAB
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT									1-365	GRAB
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Mark Lyon / System operator and maintenance.

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH TEH INFORMATION SUBMITTED HERIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARETHAT THERE ARE SIGNIFICANT PENALTIES FOR SBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC 1001 AND 33 USC 1319 *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 3 years.)*

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

AREA CODE	NUMBER	YR	MO	DAY
503	843-2675	96	1	2

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITTEE NAME/ADDRESS
(Include Facility Name/Location if different)

NAME Buell Red Prairie Water District
ADDRESS 6430 Red Prairie Rd.
Sheridan, OR 97378-9520
FACILITY Recharge Well
LOCATION 23590 Mountain Springs Dr., Sheridan, OR 97378

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT

(2-16) WRD 51165 — PERMIT NUMBER
(17-19) — DISCHARGE NUMBER

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91

MONITORING PERIOD

YEAR	MO	DAY		YEAR	MO	DAY
96	2	1		96	2	29
(20-21)	(22-23)	((24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FRQUENCY OF ANALYSIS (64-68)	SAMPL TYPE (69-70)
Total Coliform	SAMPLE MEASUREMENT						0			1-29	GRAB
	PERMIT REQUIREMENT						<1/100ml				
Nitrogen Nitrate	SAMPLE MEASUREMENT						<0.1			1-29	GRAB
	PERMIT REQUIREMENT						5.0 mg/l				
pH	SAMPLE MEASUREMENT				7.5	7.7	7.8			1-29	GRAB
	PERMIT REQUIREMENT				6.5		8.5				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

RECEIVED
FEB 26 1996
WATER RESOURCES DEPT
SALEM, OREGON

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Mark Lyon / System operator and maintenance.
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH TEH INFORMATION SUBMITTED HERIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARETHAT THERE ARE SIGNIFICANT PENALTIES FOR SBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC 1001 AND 33 USC 1319 *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 3 years.)*

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
AREA CODE 503 NUMBER 843-2675

YR	MO	DAY
96	2	23

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITTEE NAME/ADDRESS
(Include Facility Name/Location if different)

NAME: Bull-Red Prairie Water District
ADDRESS: 6430 Red Prairie Rd.
Sheridan, OR 97378-9520
FACILITY: Recharge Well
LOCATION: 23590 Mountain Springs Dr., Sheridan, OR 97378

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
WRD 51165	

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
96	3	1	96	3	31
(20-21)	(22-23)	((24-25)	(26-27)	(28-29)	(30-31)

RECEIVED
MAR 26 1996
WATER RESOURCES DEI
SALEM, OREGON

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91

NOTE: Read instructions before completing form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FRQUENCY OF ANALYSIS (64-68)	SAMPL TYPE (69-70)
Total Coliform	SAMPLE MEASUREMENT						0			1-31	GRAB
	PERMIT REQUIREMENT						<1/100ml				
Nitrogen Nitrate	SAMPLE MEASUREMENT						<0.1			1-31	GRAB
	PERMIT REQUIREMENT						5.0 mg/l				
PH	SAMPLE MEASUREMENT				7.6	7.7	7.8			1-31	GRAB
	PERMIT REQUIREMENT				6.5		8.5				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Mark Lyon / System operator and maintenance.

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH TEH INFORMATION SUBMITTED HERIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARETHAT THERE ARE SIGNIFICANT PENALTIES FOR SBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC 1001 AND 33 USC 1319 *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 3 years.)*

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

AREA CODE	NUMBER	YR	MO	DAY
503	843-2675	96	3	7

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITTEE NAME/ADDRESS
(Include Facility Name/Location if different)

NAME Buell-Red Prairie Water District
ADDRESS 6430 Red Prairie Rd.
Sheridan, OR 97378-9520
FACILITY Recharge Well
LOCATION 23590 Mountain Springs Dr., Sheridan, OR 97378

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*

DISCHARGE MONITORING REPORT

(2-16)	(17-19)
WRD 51165	
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

YEAR	MO	DAY		YEAR	MO	DAY
92	12	31		94	1	1
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

RECEIVED
MAR 3 1994
WATER RESOURCES DEPT.
SALEM, OREGON

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91

NOTE: Read instructions before completing form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING AVERAGE (46-53)	MAXIMUM (54-61)	UNITS	(4 Card Only) QUALITY OR CONCENTRATION MINIMUM (38-45)	AVERAGE (46-53)	MAXIMUM (54-61)	UNITS	NO. EX (62-63)	FRQUENCY OF ANALYSIS (64-68)	SAMPL TYPE (69-70)
Ph	SAMPLE MEASUREMENT						7.02			1-365	GR AB
	PERMIT REQUIREMENT										
Arsenic	SAMPLE MEASUREMENT					< 0.002 (2) →				1-365	GR AB
	PERMIT REQUIREMENT										
Barium	SAMPLE MEASUREMENT						< 0.1			1-365	GR AB
	PERMIT REQUIREMENT										
Cadmium	SAMPLE MEASUREMENT						< 0.005			1-365	GR AB
	PERMIT REQUIREMENT										
Chromium, Total	SAMPLE MEASUREMENT						< 0.005			1-365	GR AB
	PERMIT REQUIREMENT										
Copper	SAMPLE MEASUREMENT						< 0.01			1-365	GR AB
	PERMIT REQUIREMENT										
Fluoride	SAMPLE MEASUREMENT						< 0.1			1-365	GR AB
	PERMIT REQUIREMENT										

RECEIVED
MAR 14 1994
WESTERN REGION - SALEM OFFICE

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Mark Lyon / System operator and maintenance.
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH TEH INFORMATION SUBMITTED HERIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARETHAT THERE ARE SIGNIFICANT PENALTIES FOR SBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC 1001 AND 33 USC(Penalties under these statutes may include maximum imprisonment of between 6 months and 3 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

AREA CODE	NUMBER	YR	MO	DAY
503	843-2675	94	3	14

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITTEE NAME/ADDRESS
(Include Facility Name/Location if different)

NAME: Bull Red Prairie Water District
ADDRESS: 6430 Red Prairie Rd.
Sheridan, OR 97378-9520
FACILITY: Recharge Well
LOCATION: 23590 Mountain Springs Dr., Sheridan, OR 97378

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
WRD 51165	

MONITORING PERIOD

YEAR (20-21)	MO (22-23)	DAY ((24-25)	YEAR (26-27)	MO (28-29)	DAY (30-31)
92	12	31	94	1	1

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91

RECEIVED
MAR 23 1994
WATER RESOURCES DEPT
SALEM, OREGON

NOTE: Read instructions before completing form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FRQUENCY OF ANALYSIS (64-68)	SAMPL TYPE (69-70)
Iron	SAMPLE MEASUREMENT						< 0.01			1-365	GR AB
	PERMIT REQUIREMENT										
Lead	SAMPLE MEASUREMENT					(3) →				1-365	GR AB
	PERMIT REQUIREMENT										
Manganese	SAMPLE MEASUREMENT						< 0.002			1-365	GR AB
	PERMIT REQUIREMENT										
Mercury	SAMPLE MEASUREMENT						< 0.001			1-365	GR AB
	PERMIT REQUIREMENT										
Selenium	SAMPLE MEASUREMENT						< 0.002			1-365	GR AB
	PERMIT REQUIREMENT										
Silver	SAMPLE MEASUREMENT						< 0.01			1-365	GR AB
	PERMIT REQUIREMENT										
Total Solids (Dissolved)	SAMPLE MEASUREMENT						65.6			1-365	GR AB
	PERMIT REQUIREMENT										

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MAR 14 1994
WESTERN REGION - SALEM OFFICE

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE			
Mark Lyon / System operator and maintenance.	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH TEH INFORMATION SUBMITTED HERIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARETHAT THERE ARE SIGNIFICANT PENALTIES FOR SBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC 1001 AND 33 USC(Penalties under these statutes may include maximum imprisonment of between 6 months and 3 years.)		503 843-2675	94	3	14
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE NUMBER	YR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS

RECEIVED
MAY 9 1961
SMITHSONIAN - NATIONAL MUSEUM

PERMITTEE NAME/ADDRESS
(Include Facility Name/Location if different)

NAME Buell-Red Prairie Water District
ADDRESS 6430 Red Prairie Rd.
Sheridan, OR 97378-9520
FACILITY Recharge Well
LOCATION 23590 Mountain Springs Dr., Sheridan, OR 97378

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*

DISCHARGE MONITORING REPORT

(2-16)	(17-19)
WRD 51165	
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

YEAR	MO	DAY		YEAR	MO	DAY
92	12	31		94	1	1
(20-21)	(22-23)	((24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 6-30-91

MAR 23 1994
WATER RESOURCES DEP
SALEM, OREGON

NOTE: Read instructions before completing form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FRQUENCY OF ANALYSIS (64-68)	SAMPL TYPE (69-70)
Trihalomethanes-- Bromodichloromethane	SAMPLE MEASUREMENT						< 0.0005			1-365	GR AB
	PERMIT REQUIREMENT										
Bromoform	SAMPLE MEASUREMENT					< 0.0005 (3) →				1-365	GR AB
	PERMIT REQUIREMENT										
Chloroform	SAMPLE MEASUREMENT						< 0.0005			1-365	GR AB
	PERMIT REQUIREMENT										
Dibromochloromethane	SAMPLE MEASUREMENT						< 0.0005			1-365	GR AB
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT									1-365	GR AB
	PERMIT REQUIREMENT				RECEIVED						
	SAMPLE MEASUREMENT				MAR 14 1994					1-365	GR AB
	PERMIT REQUIREMENT				WESTERN REGION - SALEM OFFICE						
	SAMPLE MEASUREMENT									1-365	GR AB
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Mark Lyon / System operator and maintenance.

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH TEH INFORMATION SUBMITTED HERIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARETHAT THERE ARE SIGNIFICANT PENALTIES FOR SBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC 1001 AND 33 USC(Penalties under these statutes may include maximum imprisonment of between 6 months and 3 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

AREA CODE	NUMBER	YR	MO	DAY
503	843-2675	94	3	14

COMMENT AND EXPLANATION OF ANY VIOLATIONS

PERMITTEE NAME/ADDRESS
(Include Facility Name/Location if different)

NAME: Buell-Red Prairie Water District
ADDRESS: 6430 Red Prairie Rd.
Sheridan, OR 97378-9520
FACILITY: Recharge Well
LOCATION: 23590 Mountain Springs Dr., Sheridan, OR 97378

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT

(2-16)	(17-19)
WRD 51165	
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
94	3	1	94	3	31
(20-21)	(22-23)	((24-25)	(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004.
Approval expires 6-30-91

RECEIVED
MAR 23 1994
WATER RESOURCES DEPT
SALEM, OREGON

NOTE: Read instructions before completing form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Total Coliform	SAMPLE MEASUREMENT						0			1-31	GRAB
	PERMIT REQUIREMENT						< 1/100ml				
Nitrogen Nitrate	SAMPLE MEASUREMENT						< 0.1			1-31	GRAB
	PERMIT REQUIREMENT						5.0 mg/l				
PH	SAMPLE MEASUREMENT				8.0	8.1	8.3			1-31	GRAB
	PERMIT REQUIREMENT				6.5		8.5				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

RECEIVED
MAR 14 1994
WESTERN REGION - SALEM OFFICE

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Mark Lyon / System operator and maintenance.

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH TEH INFORMATION SUBMITTED HERIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARETHAT THERE ARE SIGNIFICANT PENALTIES FOR SBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC 1001 AND 33 USC 1319 (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 3 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

AREA CODE	NUMBER	YR	MO	DAY
503	843-2675	94	3	10

COMMENT AND EXPLANATION OF ANY VIOLATIONS

WATERLAB

2609 12th S.E.
Salem, Oregon 97302
(503) 363-0473

April 18, 1984

TO: Boatwright Engineering
2613-12th St. SE
Salem, OR 97302

DATE COLLECTED: 3/7/84

COLLECTED BY: Waterlab

SOURCE: Propes pond for Buell-Red Prairie Water Assn./ Samples taken about 2 ft. under water in standing 3 ft. depth about 15 ft. from shore on the NE end of pond.

LAB REPORT #: P1702-84

OREGON STATE HEALTH DIVISION TABLE 3, OAR CH. 333

TEST	UNIT	LIMIT	P1702-84	ANALYST
Sand	MG/L	2	0	BEM
pH	pH units	6.0-9.0	7.69	BEM
Fluoride	MG/L	1.4-2.4	ND @ 0.5	BEM
Hardness	MG/L	250	72	BEM
Total solids	MG/L	500	96	BEM
Chloride	MG/L	250	10.9	BEM
Copper	MG/L	5	ND @ 0.1	BEM
Iron	MG/L	0.3	0.51	BEM
Manganese	MG/L	0.05	0.071	BEM
Sulfate	MG/L	250	ND @ 0.1	BEM
Zinc	MG/L	5	0.21	BEM
Turbidity	NTU		1.0	BEM

ND = no detection at specified limits

WEATHER: Clear, no rain for 4-5 days.

WATERLAB

2609 12th S.E.
Salem, Oregon 97302
(503) 363-0473

April 18, 1984

Sample Bottle Number P1702-84 Time Collected AM Date Collected 3/7/84

Mailing Address:
Name Boatwright Engineering
Street 2613-12th St. SE
City Salem State OR Zip 97302

Sample Location:
Name Buell-Red Prairie Water Assn.
Street
City State Zip

Water Source: Spring ☐ Stream ☐ Well ☐ Chlorinated: Yes ☐ No ☐ Sample Type: Routine ☐ Resample ☐ Check ☐

Sample Point Propes pond (see below)
Collector's Name Waterlab

EPA / OSHD PRIMARY DRINKING WATER STANDARDS

Inorganics					
Test	**Test Method[1]**	**Units**	**Limits**	**Test Results**	**Analyst**
Arsenic, As	SM 303 E	MG/L	0.05	ND @ 0.01	BEM
Barium, Ba	SM 303 C	MG/L	1.	ND @ 0.1	BEM
Cadmium, Cd	SM 303 B	MG/L	0.01	ND @ 0.002	BEM
Chromium, Cr	SM 303 A	MG/L	0.05	ND @ 0.02	BEM
Fluoride, F	SM 414 A&C	MG/L	1.4 to 2.4	ND @ 0.5	BEM
Lead, Pb	SM 303 B	MG/L	0.05	ND @ 0.01	BEM
Mercury, Hg	SM 303 F	MG/L	0.002	ND @ 0.001	BEM
Nitrate, NO_3 as N	ASTM D992-71	MG/L	10.	ND @ 0.5	BEM
Selenium, Se	SM 303 E	MG/L	0.01	ND @ 0.002	BEM
Silver, Ag	SM 303 A	MG/L	0.05	ND @ 0.01	BEM
Sodium, Na	SM 303 A	MG/L		8.6	BEM
Other					
pH	SM 423	pH units		7.69	BEM
Specific Conductance	SM 205	µMHO/CM		70	BEM
Langlier Index	SM 203	SI		- 0.76	BEM

ND MEANS NO DETECTION AT SPECIFIED LIMITS.

Sampling point: Samples taken about 2 ft. under water in standing 3 ft. depth about 15 ft. from shore on the NE end of pond.

WATERLAB

2609 12th S.E.
Salem, Oregon 97302
(503) 363-0473

Sample Number P1919-84
Date Received 3/26/84
Time Received
Date Reported 4/18/84

Print or type applicable information in box below.

Sample Number P1919-84 Date Collected 3/26/84 Time Collected AM

Mailing Address:
Name Boatwright Engineering
Street 2613-12th St. SE
City Salem State OR Zip 97302

Sample Location:
Name Buell-Red Prairie Water Assn.
Street
City State Zip

Water Source: Spring ☐ Stream ☐ Well ☐ Chlorinated: Yes ☐ No ☐ Sample Type: Routine ☐ Resample ☐ Check ☐
Sample Point Propes ~~#1~~ pond
Collector's Name Waterlab

TEST	Sample Number		P1919-84				
pH	pH Units		7.28				
Specific Conductance	uMHO/CM		90				
Nitrogen(nitrate)	mg/liter		ND @ 0.5				
Turbidity	NTU		1.5				
WEATHER: Raining heavily, windy							

N.D. — NONE DETECTED AT LEVEL INDICATED

Approved by: Ben

WATERLAB

2609 12th S.E.
Salem, Oregon 97302
(503) 363-0473

Sample Number P2054-84
Date Received 4/12/84
Time Received
Date Reported 4/17/84

Print or type applicable information in box below.

Sample Number P2054-84 Date Collected 4/12/84 Time Collected AM

Mailing Address:

Name Boatwright Engineering
Street 2613-12th St. SE
City Salem State OR Zip 97302

Sample Location:

Name Buell-Red Prairie Water Assn.
Street
City State Zip

Water Source: Spring ☐ Stream ☐ Well ☐ Chlorinated: Yes ☐ No ☐ Sample Type: Routine ☐ Resample ☐ Check ☐

Sample Point Propes pond
Collector's Name Waterlab

TEST	Sample Number		P2054-84				
pH	pH Units		7.56				
Specific Conductance	uMHO/CM		70				
Nitrogen(nitrate)	mg/liter		ND @ 0.5				
Turbidity	NTU		2.0				
WEATHER: Raining							

N.D. — NONE DETECTED AT LEVEL INDICATED

Approved by: Ben

WATERLAB

2609 12th S.E.
Salem, Oregon 97302
(503) 363-0473

October 16, 1978

TEST RESULTS

TO: Boatwright Engineering
2613-12th St. SE
Salem, OR 97302

DATE COLLECTED: 10/5/78

COLLECTED BY: Jack Hills

SOURCE: Red Prairie-Buell, New well on Propes property

LAB REPORT #: P760-78

TEST PERFORMED		SUGGESTED MAXIMUM*		P760-78
Total Solids		1000		153.0
Volatile Solids				5.0
Turbidity, Formazin Units		1.0		0
Odor (60°C)	Threshhold	3		100
Hardness as $CaCO_3$				6.0
Alkalinity				100
pH (pH units)				8.396
Arsenic		0.05	less than	0.02
Calcium				1.60
Copper		1.0	less than	0.01
Iron		0.30		0.41
Magnesium				0.488
Manganese		0.050	less than	0.01
Sodium				60.70
Zinc		5.0	less than	0.001
Chloride		250	less than	10
Fluoride (25°C)		2.4		1.6
Nitrogen (Nitrate)		10	less than	0.1
Nitrogen (Nitrite)			less than	0.1
Silica				19
Sulfate		250	less than	0.1

*Maximums listed per Dept. of Commerce, State of Oregon and EPA regulations.

All amounts listed in milligrams per liter except where noted.

WATERLAB

2609 12th S.E.
Salem, Oregon 97302
(503) 363-0473

June 26, 1979

TEST RESULTS

TO: Boatwright Engineering
2613-12th St. SE
Salem, OR 97302

DATE COLLECTED: 6/23/79

COLLECTED BY: B. Lyda, Waterlab

SOURCE: Buell-Red Prairie #1 Well
Lab Report #P1123-79

Test Performed	Suggested Maximum*	P1123-79
Alkalinity	N.A.	88
Calcium	N.A.	1.2
Chloride	250.0	7.9
Copper	1.0	less than 0.1
Fluoride	2.0	0.12
Hardness as $CaCO_3$	N.A.	4.0
Iron	0.30	0.16
Magnesium	N.A.	0.244
Manganese	0.050	less than 0.01
Nitrate (as N)	10.0	less than 0.01
Nitrite (as N)	N.A.	less than 0.01
pH, pH units	N.A.	9.218
Silica	N.A.	23
Sodium	N.A.	201.2
Sulfate	250.0	less than 0.1
Solids (Total)	1000.0	181
Solids (Volatile)	N.A.	65
Zinc	5.0	less than 0.1

*Per OAR Ch. 333-42-210, Oregon State Health Division.

All amounts except pH listed in milligrams per liter.

October 13, 2000

Mark Lyon
Buell Red Prairie Water District
Box 367
Sheridan, OR 97378

RE: Permit 51165

Dear Mark:

Thank you for sending all the water quality reports for the recharge project. It looks pretty good! Sorry about this delay in acknowledgement.

I don't know what is going on at Health Division and DEQ with your NPDES submittal.

Please contact me if you have questions (1-800-624-3199 x205).

Sincerely,

Donn Miller
Hydrogeologist

Cc: File 66101

Sample Period	Total Coliform	pH	Nitrate Nitrogen	Total Dissolved Solids	Arsenic	Barium	Cadmium	Chromium	Copper	Fluoride	Iron	Lead	Manganese	Mercury	Selenium	Silver	Total Trihalomethanes	Chloroform (not on permit)	Bromodichloromethane (not on permit)	Dibromochloromethane (not on permit)	Bromoform (not on permit)	Spec Cond (not on permit)
1991																						
Feb-91	**No Analyses Reported, Permit Issued 2/4/91**																					
Mar-91	**No Analyses Reported**																					
Apr-91	None	7	<0.1																			
May-91	None	7.4	<0.1																			
Jun-91				Recharge not allowed	No Analyses Required or Expected																	
Jul-91				Recharge not allowed	No Analyses Required or Expected																	
Aug-91				Recharge not allowed	No Analyses Required or Expected																	
Sep-91				Recharge not allowed	No Analyses Required or Expected																	
Oct-91	0	7.4																				
Nov-91	<1	7.1	<0.1	82	<0.005	<0.1	<0.005	<0.01	<0.1	<0.1	0.475	<0.005	<0.005	<0.001	<0.002	<0.01	**Not Submitted**					
Dec-91	<2	7.2	1.4																			
1992																						
Jan-92	0	7.1	<0.1	**No TDS Analyses Reported Twice Annually as Required**																		
Feb-92	2	7.2	<0.1	**No TDS Analyses Reported Twice Annually as Required**																		
Mar-92	0	7.3	<0.1																			
Apr-92	0	7.3	<0.1																			
May-92	0	7.4	<0.1																			
Jun-92	0	7.9	<0.1	**Recharge not allowed**	**No Analyses Required or Expected-Illegal Diversion?**																	
Jul-92	0	7.6	<0.1	**Recharge not allowed**	**No Analyses Required or Expected-Illegal Diversion?**																	
Aug-92	0	7.5	<0.1	**Recharge not allowed**	**No Analyses Required or Expected-Illegal Diversion?**																	
Sep-92	0	7.6	<0.1	**Recharge not allowed**	**No Analyses Required or Expected-Illegal Diversion?**																	
Oct-92	0	7.4	<0.1																			
Nov-92	0	7.4	<0.1																			
Dec-92	0	7.4	<0.1	**No Analyses Reported Annually as Required----------**																		
1993																						
Jan-93	0	7.1	<0.5	**No TDS Analyses Reported Twice Annually as Required**																		
Feb-93	<3	7.1	<0.5	**No TDS Analyses Reported Twice Annually as Required**																		
Mar-93	0	7.2	<0.1																			
Apr-93	0	7.3	<0.1																			
May-93	0	7.3	<0.1																			
Jun-93	8	7.8	<0.1	**Recharge not allowed**	**No Analyses Required or Expected-Illegal Diversion?**																	
Jul-93	0	7.9	<0.1	**Recharge not allowed**	**No Analyses Required or Expected-Illegal Diversion?**																	
Aug-93				Recharge not allowed	No Analyses Required or Expected																	
Sep-93				Recharge not allowed	No Analyses Required or Expected																	
Oct-93	**No Analyses Reported**																					
Nov-93	<0	8.2	<0.1																			
Dec-93	0	8.1	<0.1	**No Analyses Reported Annually as Required----------**																		

Sample Period	Total Coliform	pH	Nitrate Nitrogen	Total Dissolved Solids	Arsenic	Barium	Cadmium	Chromium	Copper	Fluoride	Iron	Lead	Manganese	Mercury	Selenium	Silver	Total Trihalomethanes	Chloroform	Bromodichloromethane	Dibromochloromethane	Bromoform	Spec Conduct
1994																						
Jan-94	0	8	<0.1	**No TDS Analyses Reported Twice Annually as Required**																		
Feb-94	0	8.1	<0.1	**No TDS Analyses Reported Twice Annually as Required**																		
Mar-94	**No Analyses Reported**																					
Apr-94	0	7.2	<0.1																			
May-94	0	7.2	0																			
Jun-94	Recharge not allowed	No Analyses Required or Expected																				
Jul-94	Recharge not allowed	No Analyses Required or Expected																				
Aug-94	Recharge not allowed	No Analyses Required or Expected																				
Sep-94	Recharge not allowed	No Analyses Required or Expected																				
Oct-94	**No Analyses Reported**																					
Nov-94	**No Analyses Reported**																					
Dec-94	**No Analyses Reported**	**No Analyses Reported Annually as Required**----------																				
1995																						
Jan-95	0	7.3	<0.1	55	N/A	N/A	N/A	N/A	N/A	<0.1	<0.01	<0.002	<0.005	<0.001	<0.002	<0.01	N/A	0.0126	0.0028	<0.0005	<0.0005	
Feb-95	0	N/A	<0.1?	**No TDS Analyses Reported Twice Annually as Required**																		
Mar-95	**No Analyses Reported**	**No TDS Analyses Reported Twice Annually as Required**																				
Apr-95	0	7.1	<0.1																			
May-95	0	7.2	<0.1																			
Jun-95	Recharge not allowed	No Analyses Required or Expected																				
Jul-95	Recharge not allowed	No Analyses Required or Expected																				
Aug-95	Recharge not allowed	No Analyses Required or Expected																				
Sep-95	Recharge not allowed	No Analyses Required or Expected																				
Oct-95	**No Analyses Reported**																					
Nov-95	**No Analyses Reported**																					
Dec-95	<3.	7.7	<0.1	**No Analyses Reported Annually as Required**----------																		
1996																						
Jan-96	0	7.8	<0.1		<0.002	<0.1	<0.002	<0.005	<0.01	**No Analyses Reported Annually as Required**-----								<0.0005	<0.0005	<0.0005	<0.0005	58.8
Feb-96	0	7.7	<0.1	**No TDS Analyses Reported Twice Annually as Required**																		
Mar-96	0	7.7	<0.1	**No TDS Analyses Reported Twice Annually as Required**																		
Apr-96	**No Analyses Reported**																					
May-96	**No Analyses Reported**																					
Jun-96	Recharge not allowed	No Analyses Required or Expected																				
Jul-96	Recharge not allowed	No Analyses Required or Expected																				
Aug-96	Recharge not allowed	No Analyses Required or Expected																				
Sep-96	Recharge not allowed	No Analyses Required or Expected																				
Oct-96	**No Analyses Reported**																					
Nov-96	**No Analyses Reported**																					
Dec-96	**No Analyses Reported**	**No Analyses Reported Annually as Required**----------																				
1997																						
Jan-97	**No Analyses Reported**	**No TDS Analyses Reported Twice Annually as Required**																				
Feb-97	**No Analyses Reported**	**No TDS Analyses Reported Twice Annually as Required**																				
Mar-97	**No Analyses Reported**																					
Apr-97	**No Analyses Reported**																					
May-97	**No Analyses Reported**																					
Jun-97	Recharge not allowed	No Analyses Required or Expected																				
Jul-97	Recharge not allowed	No Analyses Required or Expected																				
Aug-97	Recharge not allowed	No Analyses Required or Expected																				
Sep-97	Recharge not allowed	No Analyses Required or Expected																				
Oct-97																						
Nov-97																						
Dec-97																						

Samples from Recharge Well

66101

STATE OF OREGON
Water Resources Department
158 12th St. N.E.
Salem, OR 97310

MEMORANDUM

DATE: 5/18/98

TO: Mark Lyons, Buell-Red Prairie Water District

FROM: Donn Miller, Hydrogeologist (371-4938 x 205)

SUBJECT: Recent Water Quality Submittal

I have made a copy of the attached report for your water right file (S 66101). Unless I am mistaken, our permit does not require the NTU and Cl_2 reporting for surface water that the submittal contains. It is on a sheet that suggests that the Oregon Health Division Drinking Water Section is the requiring agency.

I don't know if you submitted this report to us in error, as an FYI, or I'm missing something. In any case you can submit the returned original to Health Division, if you need to.

Oregon Health Division Drinking Water Section

Turbidity Monitoring Report Form

ystem Name:_____ Id #: 41_____ Month/Year:_____

DAY	12 AM (NTU)	4 AM (NTU)	8 AM (NTU)	NOON (NTU)	4 PM (NTU)	8 PM (NTU)	Highest Reading (NTU)	Peak Hourly Flow (GPM)
1	.28	.24	.7	.2	.18	.26	.7	68
2	.22	—	.24	.12	.1	.46	.46	
3	.26	—	.46	—	.06	.08	.46	
4	.1	.48	0.6	0.6	0.6	0.8	.48	
5	.1	0.6	—	—	—	—	.6	
6	—	—	0.6	0.8	—	.06	.06	
7	.06	.1	.06	.16	.06	.08	.16	
8	—	.08	.16	.18	.18	—	.18	
9	.16	.62	.18	.64	.46	.2	.64	
10	.64	.28	.18	.18	.36	.32	.36	
11	.18	.64	.3	.6	.2	.18	.64	
12	—	—	—	—	—	—		
13	—	—	.22	.26	.22	.22	.26	
14	.24	.42	.9	—	—	—	.9	
15	—	—	—	—	—	—	—	
16	—	—	—	—	—	—	—	
17	—	—	—	.26	.24	.3	.3	
18	.2	.2	.22	.26	.26	.2	.26	
19	.22	.2	—	—	—	—	.2	
20	—	—	—	—	—	—		
21	—	—	—	—	—	—		
22	—	—	—	—	—	—		
23	—	—	—	.24	.22	.2	.24	
24	—	.28	.2	.44	.3	.32	.44	
25	.22	.24	.2	.44	.36	.28	.44	
26	.34	.3	.32	.36	.42	.4	.42	
27	.42	.44	.42	.4	.44	.42	.44	
28	.44	.38	.42	.48	.42	.34	.48	
29	.28	.32	.3	.3	.34	.4	.4	
30	.36	.46	.3	.28	.3	.22	.46	
31								

You are using a Slow Sand or Cartridge Filter ☐ Monthly Summary

95 % of Turbidity readings < MCL Y/N All Turbidity readings < 5 NTU Y/N	CT's met everyday: Yes/No (see back of sheet)	Cl Residual at entry point always ≥ .2 mg/l Yes/No	Cl residual measured in 95 % of distribution samples Yes / No

CL is 0.5 for conventional and direct filtration
1 for slow sand and diatomaceous earth filters

Signature: Mark Tyson

Date: 5/2/98

Mc Apr 98

MAY 15 1998

WATER RESOURCES DEPT.
SALEM, OREGON

Surface Water Quality Data

Date Time	Min. Cl_2 Residual At 1st User (C)	Contact Time (T)	Actual CT	Temp	pH	Required CT	CT Met
	ppm or mg/l	minutes	C x T	°C		Tables	Yes / No
1 / 8	0.8	137	110	10	7.4	44	✓
2 / 8	0.8	↓	110	10	7.4	44	✓
3 / 8	0.5		69	10	7.4	43	✓
4 / 8	0.6		82	10	7.4	43	✓
5 / 10	0.8		110	10	7.5	44	✓
6 / 8	1.1		151	11	7.4	45	✓
7 / 9	0.8		110	10	7.4	44	✓
8 / 8	0.8		110	10	7.4	44	✓
9 / 9	0.9		123	10	7.5	44	✓
10 / 8	0.9		123	9	7.4	44	✓
11 / 9	1.4		192	10	7.4	46	✓
12 / 8	0.8		110	10	7.4	44	✓
13 / 8	0.7		96	8	7.5	50	✓
14 / 11	1.0		137	9	7.4	46	✓
15 / 9	0.8		110	9	7.4	44	✓
16 / 11	0.5		69	10	7.4	43	✓
17 / 9	0.5		69	10	7.4	43	✓
18 / —	—		—	—	—	—	—
19 / —	—		—	—	—	—	—
20 / —	—		—	—	—	—	—
21 / —	—		—	—	—	—	—
22 / —	—		—	—	—	—	—
23 / 9	0.5		69	11	7.5	43	✓
24 / 6	0.7		96	11	7.4	44	✓
25 / 12	0.6		82	11	7.4	44	✓
26 / 11	1.0		137	12	7.5	35	✓
27 / 9	0.6		82	12	7.5	30	✓
28 / 9	0.7		96	12	7.4	37	✓
29 / 9	0.5		69	13	7.4	37	✓
30 / 8	0.7	↓	96	13	7.4	37	✓
31 /							

Application No. 66101 (Permit No. (

STATE OF OREGON WATER RESOURCES DEPARTMENT

Application for Permit to Appropriate Surface Water

RECEIVED
S... 1993
WATER RESOURCES DEPT
SALEM, OREGON

I, Buell-Red Prairie Domestic Water Assn
(Name of Applicant)

of 6975 Red Prairie Rd, Sheridan
(Mailing Address) (City)

State of Ore, 97378 Phone No. 843-2218 do hereby
(Zip Code)

make application for a permit to appropriate the following described waters of the State of Oregon: 1985

1. The source of the proposed appropriation is Goosenest Cr

, a tributary of Mill Cr

2. The point of diversion is to be located .... ft. (N. or S.) and .... ft. (E. or W.)

from the .... corner of N 59° 25' W 1121.0 ft from
(Public Land Survey Corner)

the S¼ cor Sec 35 T 6S R 7W
(If there is more than one point of diversion, each must be described)

being within the SE¼ ¼ of the SW¼ ¼ of

Sec. 35 Tp. 6S (N. or S.) R. 7W (E. or W.), W. M., in the county of Polk

3. Location of area to be irrigated, or place of use if other than irrigation.

Township	Range	Section	List ¼ ¼ of Section	List use and/or number of acres to be irrigated
6S	7W	35	SW¼ SE¼	Recharge well

Form 690-1-0-1-77

25721

4. *The amount of water which the applicant intends to apply to beneficial use is* 75 gpm

~~cubic feet per second~~

(If water is to be used from more than one source, give quantity from each)

5. *The use to which the water is to be applied is* Ground water recharge.

6. *DESCRIPTION OF WORKS*

Include dimensions and type of construction of diversion dam and headgate, length and dimensions of supply ditch or pipeline, size and type of pump and motor, type of irrigation system to adequately describe the proposed distribution system.

Water will be injected into the aquifer by means of an existing well ~~[redacted]~~ 90-100' deep located in the SW¼SE¼ Sec 35 T6S R7W. Withdrawal will be made from two wells described in Permit G ~~8746~~ 8748 (Appl 9326) located in the NE¼SE¼ & NW¼SE¼ Sec 35 T6S R7W. The water will be pre-treated before recharge & a turbidity meter installed with automatic shut off to prevent recharge when turbidity reaches pre-determined levels. The recharge well was flow flowing prior to pumping the two wells under Permit G 8748 and is no longer in use. The recharge well is approx 800 ft from one withdrawal well & 1700 ft from the other. There is no development upstream from the creek diversion point.

If for domestic use state number of families to be supplied

7. *Construction work will begin on or before* Jan 1984

8. *Construction work will be completed on or before* Apr 1984

9. *The water will be completely applied to the proposed use on or before* Apr 1985

Remarks:

This permit, when issued, is for the beneficial use of water. By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan. It is possible that the land use you propose may not be allowed if it is not in keeping with the goals and the acknowledged plan. Your city or county planning agency can advise you about the land-use plan in your area.

M S Brulyt Engineer
Signature of Applicant
for Buell Red Prairie Domestic Water Association

This is to certify that I have examined the foregoing application, together with the accompanying maps and data, and return the same for completion

In order to retain its priority, this application must be returned to the Water Resources Director with corrections on or before June 5, *19* 84

WITNESS my hand this 5th *day of* December, *19* 83

WILLIAM H. YOUNG, *Water Resources Director*

By Larry W. Jebousek

Larry W. Jebousek

RECEIVED
JUN 1984
WATER RESOURCES DEPT
SALEM, OREGON

This instrument was first received in the office of the Water Resources Director at Salem, Oregon, on the 15th *day of* September, *19* 83, *at* 3:50 *o'clock* P *M.*

Application No. 66101 *Permit No.*

Application No. 66101 ..... *Permit No.* ..... PC / RCR

Permit to Appropriate the Public Waters of the State of Oregon

This is to certify that I have examined the foregoing application and do hereby grant the same SUBJECT TO EXISTING RIGHTS INCLUDING THE EXISTING FLOW POLICIES ESTABLISHED BY THE WATER POLICY REVIEW BOARD and the following limitations and conditions:

The right herein granted is limited to the amount of water which can be applied to beneficial use and shall not exceed ..... *cubic feet per second measured at the point of diversion from the stream, or its equivalent in case of rotation with other water users, from* .....

.....

.....

The use to which this water is to be applied is .....

.....

.....

If for irrigation, this appropriation shall be limited to ..... *of one cubic foot per second or its equivalent for each acre irrigated* .....

.....

.....

.....

.....

.....

.....

.....

.....

and shall be subject to such reasonable rotation system as may be ordered by the proper state officer.

The priority date of this permit is .....

Actual construction work shall begin on or before ..... *and shall thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 19*.....

Complete application of the water to the proposed use shall be made on or before October 1, 19.....

WITNESS my hand this ..... *day of* ....., *19*.....

THIS PERMIT IS HEREBY ISSUED TO

ASSIGNED

BUELL-RED PRAIRIE DOMESTIC WATER ASSOCIATION (ASSOCIATION)
6890 FRANK ROAD
SHERIDAN, OREGON 97378

503-843-2218

to use the waters of GOOSENECK CREEK, a tributary of MILL CREEK, for GROUNDWATER RECHARGE. The permit to use these waters is issued under Application 66101. The date of priority is JUNE 8, 1984. The use is limited to the period from October 1 through May 31, not more than 75.0 GALLONS PER MINUTE, and not to exceed 61.0 ACRE-FEET each recharge period/year, measured at the point of diversion.

The point of diversion is located as follows:

SE 1/4 SW 1/4, Section 35, T 6 S, R 7 W, W.M.; North 59 Degrees, 25 Minutes West, 1121 feet from S 1/4 corner Section 35.

The permittee shall appropriate water from Gooseneck Creek only when the following instream flows in cubic feet per second are maintained at the mouth of Gooseneck Creek:

OCTOBER	NOVEMBER THROUGH MAY
1.0	10.0

The water user shall install and maintain an in-line flow meter, weir, or other suitable device, of a type and at a location to be approved by the watermaster, for measuring or recording the above instream flows.

The use of water allowed under this permit shall conform to such reasonable rotation system as may be ordered by the proper state officer.

The place of use is the recharge well which is located as follows:

SW 1/4 SE 1/4
SECTION 35
TOWNSHIP 6 SOUTH, RANGE 7 WEST, W.M.

This permit is also subject to the following conditions:

1. Meters: The permittee shall meter the water withdrawn at the diversion and meter the water injected into the recharge well.

2. Records, inspections: The permittee shall keep accurate and current records of daily metered values, water levels and other operational information. The Water Resources Director (Director) may inspect the records and works covered by this permit upon one day notice and at any reasonable time.

3. Estimated data: When data are missing in whole or in part, the Director may make estimates from available data. Those estimates shall be reasonable and, where a range of uncertainty exists, conservatively low on water delivered to the place of recharge.

4. Water level monitoring: Once each year between April 1 and June 1, the permittee shall measure and record the depth to water below land surface in each of the following wells to 1 foot accuracy. Prior to the determinations, recharge and pumping shall be suspended by the permittee for at least seven days. Two of the wells are not controlled by the Association, however the permittee shall attempt to cooperate with the other owners to obtain these measurements.

T6S/R7W-35dc	Recharge Well	
T6S/R7W-35ca	Mike Propes Well	Not controlled by Association
T6S/R7W-35db	Villager Well	Not controlled by Association

5. Target water levels in key wells: This permit designates two existing wells as key wells in the water level monitoring program. As determined between April 1 and June 1 of each year, actual water levels at these wells shall be compared to the target levels to determine allowable use as indicated under the allowable use of stored water condition. Key wells and associated target levels are:

Target Levels
(feet below Land Surface Datum)

Well Location	Common Name	Upper	Lower
T6S/R7W-35db	Buell-Red Prairie #1	25	125
T6S/R7W-35dc	Recharge Well	0	50

6. Storage account for the determination of stored recharge water: The Water Resources Department (WRD) shall make final determinations on stored groundwater. This shall occur through a storage account which covers this permit. The storage account shall be based on recharge and secondary permit withdrawals over only the preceding five recharge years. For this permit, the recharge year is the period from June 1 through May 31 of each year. It shall be credited at 80% of water metered to the place of recharge. Withdrawals of stored water shall be debited at 100% of metered values at wells covered by a secondary permit(s). The debit applies to that portion of withdrawals which are in excess of the permittee's natural water pumpage of 5 million gallons annually under Permit G-8748. The permittee may obtain information on the storage account from the WRD by submitting a written request.

7. Allowable use of stored recharge water: The availability of recharge water stored under this permit is based on the priority of secondary groundwater rights and the allowable use of stored recharge water. The allowable use of stored recharge water during any water year falls into 3 categories. For ease of reference, these categories are named as color zones.

(A) Green zone: If recent water levels as determined between April 1 and June 1 at the two (2) key wells are above the upper target levels, use is allowed up to the maximum of the storage account.

(B) Yellow zone: If neither Green zone nor Red zone water levels prevail, use is allowed up to 80 percent of the recharge volume for the preceding 12 months.

(C) Red zone: If recent water levels as determined between April 1 and June 1 at two (2) key wells are below the lower target levels, no use of recharged water is allowed the following recharge year.

8. Permit assignment: A potential assignee shall prove, to the Director's satisfaction, the financial capability to construct uncompleted portions of, and operate, the project authorized by the permit.

notifies the permittee that the Director has reason to believe there are adverse groundwater quantity or quality effects, the permittee shall cease recharge activities. No further diversion shall be made until measures to prevent, correct or monitor those adverse effects have been agreed to and implemented.

(B) If, in the judgement of the Director, project performance or other hydrologic circumstances indicate that provision(s) in this permit are an unnecessary hardship, or are either inappropriate or inadequate to monitor or manage the quantity or protect the quality of the groundwater resource, the Director may modify target water levels, key wells, the storage account credit factor, the storage account, or any other term of this permit as necessary to remedy the deficiencies.

10. Technical oversight: The construction and operation of the recharge project shall be overseen by a professional registered civil engineer(s) licensed to practice in Oregon.

11. Other state or federal agency requirements:

The following conditions are notices of requirements of other Oregon state agencies. The permittee shall correspond directly with each agency regarding monitoring, reporting and any other requirements. Reports shall only be submitted to the requiring agency, unless otherwise specified herein.

The WRD will enforce these conditions in a manner similar to other conditions in this permit but only upon notice of noncompliance and request for enforcement from the responsible agencies.

Conditions 11(A) and (B) shall remain in effect unless and until WRD receives a written agreement signed by the permittee and responsible agencies to modify the conditions.

(A) The permittee shall comply with the requirements of the Oregon State Health Division.

(B) The permittee shall provide appropriate groundwater quality protection as specified by the Oregon Department of Environmental Quality (DEQ). The DEQ monitoring and sampling plan for this project was submitted to the WRD by letter of January 18, 1991, and is, by reference, included as part of this permit.

12. Water conservation program: Within one year from the date the Water Resources Commission adopts rules describing the schedules, standards and procedures for water management plans by water suppliers, the Association shall submit a plan which is consistent with the rules.

13. Annual and other reports:

(A) The permittee shall submit an annual report to the WRD and any secondary permittee by June 15 of each year. That report shall include the range of diversion and recharge rates and total quantities diverted and recharged during the prior recharge year (ending May 31) as metered under conditions 1, 2, and 3. In addition, the report shall include the water level data from condition 4, the permittee's estimate of the storage account under condition 6, a brief narrative describing operational factors related to the recharge project and conditions 8, 9, 10, 12, and a list of the dates of any reports submitted to other agencies under condition 11.

constructed shall include an air line and pressure gauge or an access port for measuring line, adequate to determine water level elevation in the well at all times.

This development was reviewed and approved by the Water Resources Commission on FEBRUARY 1, 1991.

Actual construction work shall begin on or before February 4, 1992 , and shall be completed on or before October 1, 1992. Complete application of the water to the use shall be made on or before October 1, 1993.

This permit is for the beneficial use of water without waste. By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

Issued this date, FEBRUARY 4, 1991.

/s/ WILLIAM H. YOUNG

Water Resources Department
William H. Young
Director

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 8, 2008

REFERENCE: Application for Extension of Time

Dear Extension of Time Applicant:

The Water Rights Section has received your application for an extension of time for **APPLICATION FILE #** S-66101 (**PERMIT #** S-51165). Your application will be reviewed in the near future. Following the review, you will receive a Proposed Final Order either approving or rejecting the extension of time request. A 45-day protest period begins upon issuance of the Proposed Final Order. After the protest period closes, a Final Order is issued.

If you have questions concerning your extension of time application, please contact Ann Reece at (503) 986-0827. For general information about the Water Resources Department, you may contact the Water Resources' Customer Service Group at (503) 986-0801 or you may access the Department's Internet home page at: "**www.wrd.state.or.us**".

Application # S-66101 Permit # S-51165

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

- **WRIG...**
  Money Receipted on: 3-26-08
- **Kim French...**
  - [x] Added to tracking spreadsheet

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

- **Jonnine Skaug...**
  - [x] Publish on Public Notice (initial 30-day comment): Date of notice 4/8/08 JS
  - [x] Update WRIS Database
  - [x] In the "PNotice Date" field... Enter the date the Extension Application was published on the Public Notice.
  - [x] In the "Ext Filed" field... Enter the date the Extension Application was received.

Return to Jms

STATE OF OREGON

WATER RESOURCES DEPARTMENT

RECEIPT # **91880**

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

INVOICE # _____

RECEIVED FROM: BUELL-RED PRAIRIE WATER DISTRICT

BY:

APPLICATION	See below
PERMIT	
TRANSFER	

CASH: ☐ CHECK:# ☒ 5287 OTHER: (IDENTIFY) ☐ _____ $1750.00

1083 TREASURY 4170 WRD MISC CASH ACCT

0407	COPIES	PLA 46111 RECEIVED OVER THE COUNTER	$
_____	OTHER:	(IDENTIFY)	$

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

4270 WRD OPERATING ACCT

	MISCELLANEOUS	G- 9926 = 350.00	
0407	COPY & TAPE FEES	G- 12608 = 350.00	$
0410	RESEARCH FEES	R- 71455 = 350.00	$
0408	MISC REVENUE: (IDENTIFY)	S- 66101 = 350.00	$
TC162	DEPOSIT LIAB. (IDENTIFY)	S- 71756 = 350.00	$
0240	EXTENSION OF TIME		$1750.00

		EXAM FEE		RECORD FEE
	WATER RIGHTS:			
0201	SURFACE WATER	$	0202	$
0203	GROUND WATER	$	0204	$
0205	TRANSFER	$		
	WELL CONSTRUCTION	EXAM FEE		LICENSE FEE
0218	WELL DRILL CONSTRUCTOR	$	0219	$
	LANDOWNER'S PERMIT		0220	$

_____ OTHER (IDENTIFY) _____

0536 TREASURY 0437 WELL CONST START FEE

0211	WELL CONST START FEE	$	
0210	MONITORING WELLS	$	

_____ 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 / BOX

FUND _____ TITLE _____

OBJ. CODE _____ VENDOR # _____

DESCRIPTION _____ $

RECEIPT: **91880** DATED: 3/26/08 BY: _____

Distribution: White - Customer Yellow - Customer Pink - Basin Copy Tan - Basin Copy

Ann Reece

File S-66101
Extension updates

From: pauleckley@comcast.net
Sent: Monday, April 14, 2008 7:55 PM
To: Ann Reece
Subject: Buell Red Prairie Questions on Water Right Extension

Ann: Here are the questions I emailed to BRPWD with the answers in bold after each question. I will forward any additional information received.

Paul...
---------- Forwarded Message: ----------
From: pauleckley@comcast.net
Subject: Questions from Oregon Water Resources Department
Date: Sun, 06 Apr 2008 05:27:31 +0000
Mark Millikan, Mark Lyon and Julien Verheyden: Ann Reece of the Oregon Water Resources Department is reviewing our applications to extend Buell Red Prairie's Water Rights.

1) We need to provide the Department with a basic summary of Operations and Maintenance work performed on both Wells #1 and #2, during the years 1991 through 1996. This is the time period of the latest time extension on the wells. If you have any records on O&M work performed on the wells, these records can be used to provide what she needs. If you have any estimates of operational time, labor and materials spent on the wells this would also be useful to submit. These do not need to be exact numbers, only estimates.

Mark Lyon operates the BRPWD system. He told me that they have not done much maintenance work on the wells during those years, except for some painting. He does spend time at the wells when they are started and at the same time Mark checks water levels and other pumping and motor information. He is planning to send me copies of power bills and I will forward the information to you.

2) She cannot find any of the annual recharge reports provided to the Department from the District. Donn Miller is out of the country right now so she cannot ask him. Were the annual recharge reports sent to Donn??

Found in File S-66101

Mark Lyon told me that he sends the reports to Donn Miller. Mark says he has the information on his computer but it would take some time to regenerate the reports. Ann, what do you want Mark to provide to you??

3) The extension applications state that the Water Management and Conservation Plan was being prepared this year. I understand the District is having Ed Butts prepare this Plan. It would be very helpful to the Department if the District could show some progress on this Plan by Ed. Do you know if he has done any work so far this year on the Plan that could be submitted to the Department? Does the District have a contract with Ed for the Plan?

Mark Lyon told me that they have a contract with Ed Butts, in the amount of $12,000, to prepare the Plan and that he is working on the Plan and will have it

completed by the end of this calendar year.

5-6610i 4) An instream flow meter on Gooseneck Creek was required in the groundwater recharge permit. Does the District have a flow meter which is used to determine when recharging can take place? The instream flow meter would also help show some progress on the reservoir enlargement permits.

There is an instream flow meter that the District has used from the construction of the reservoir to measure streamflow. However, the flow meter was destroyed when the creekbed under the bridge at Hwy 22 was reconstructed. The District plans to reinstall the flowmeter this summer.

5) The reservoir enlargement permit (R-12221) references an April 17, 1996 operation and maintenance schedule and requires the reservoir be operated according to this schedule. The permit also references August 27, 1996 As-Built drawings. Does the District have a copy of these As-Builts? If so a copy should be submitted to WRD.

Mark has found some old drawings on the Reservoir and will send copies to me. I will forward to you when I receive them.

6) Ann Reece is requesting any information on the District's plan to enlarge the reservoir. Does the District have any cost estimate of this work? would it be in the $500,000 to $1,000,000 range??

Mark tells me the District does not have any detailed plans, such as an engineering study or report, for enlarging the reservoir. He is hoping the construction cost will be closer to the $500,000 estimate.

Ann: I saw the April 8th Public Notices for the five extensions.

WRD should be advertising the Public Notice for these five extensions the week of April 7th and will close after 30 days. It would be helpful to Ann Reece at WRD to have this additional information before the end of the 30 days. I will follow up with Mark in about a week.

Thank you very much....

Paul Eckley...

File S-66101

BEFORE THE BOARD OF COMMISSIONERS
FOR POLK COUNTY, OREGON

In the matter of creation of the)
Buell Red Prairie Water District)

ORDER NO. 92-39

Whereas, by Order No. 92-35, dated November 16, 1992, the Board of Commissioners approved the petition for formation of the Buell Red Prairie Water District as modified, with boundaries as described in Appendix "A" thereto and as depicted on a map which constituted Appendix "B" thereto, both of which were incorporated into such Order by reference; and

Whereas, by such Order the Board scheduled a final public hearing on the petition as modified to be held at 9 a.m. on December 2, 1992, including within such Order information on the filing of written requests for an election on creation of the district; and

Whereas, the Board caused notice of the time and place of the final public hearing to be posted and published pursuant to ORS 198.730, and as a courtesy not required by law mailed copies of such Order to the owners of property within such district; and

Whereas, at 9 a.m. on December 2, 1992, the Board convened the final public hearing in the Polk County Courthouse, as announced in the posted and published notices, and received testimony from all in attendance but did not receive any written requests for an election on the question of creating the district; and

Whereas, at the conclusion of the public hearing a majority of the members of the Board, Commissioner Propes abstaining because of the possibility of a perceived conflict of interest, found no reason to recede from their findings set out in Order No. 92-35, nor to reconsider their conclusion pursuant to ORS 198.805 that the area embraced within the boundaries of the proposed district, as modified, will be benefitted by formation of the district; now, therefore,

IT IS ORDERED:

(1) In accordance with ORS 198.820, no requests for an election on the question having been received by the Board and creation of a tax base not having been requested, the Buell Red Prairie Water District hereby is declared created. Such district shall function as a domestic water supply district under ORS Chapter 264 and shall have boundaries as described in Order No. 92-35 until such boundaries are modified as prescribed by law.

POLK COUNTY COUNSEL
Polk County Courthouse - Dallas, Oregon 97338
Telephone: 623-8173

924585

(2) In accordance with ORS 198.825 an election is ordered for the purpose of electing the first members of the district board. In accordance with ORS 255.345 such election shall be held on the fourth Tuesday in March 1993.

(3) In accordance with ORS 198.845 such district shall reimburse Polk County for its expenses in making necessary preliminary engineering studies and surveys in connection with the formation of such district, including but not limited to expenses incurred by the County Assessor in modifying boundaries as described in the petitions for formation.

(4) The Recording Secretary of the Board shall transmit copies of this Order to the County Assessor, the County Treasurer, Yamhill County, the Division of Audits of the Secretary of State's office, the Oregon Ethics Commission and the chief sponsor of the petitions for formation.

Dallas, Oregon, December 9, 1992.

POLK COUNTY BOARD OF COMMISSIONERS

C. Ralph Blanchard, Chairman

Ron Dodge, Commissioner

abstained
Mike Propes, Commissioner

Approved as to Form:

Robert W. Oliver
County Counsel

POLK COUNTY COUNSEL
Polk County Courthouse - Dallas, Oregon 97338
Telephone: 623-8173

924586

Oregon

WATER
RESOURCES
DEPARTMENT

November 9, 1993

BUELL RED PRAIRIE DOMESTIC WATER ASSOCIATION
6430 RED PRAIRIE RD
SHERIDAN, OR 97378

REFERENCE FILES: 66101, G-9326, T-6287, AND T-6291

We have received your check in the amount of $40 along with requests to assign permits 51165, G-8748, and transfers 6287 and 6291.

There are a couple of conditions for permit 51165, which allows not to exceed 61 acre feet of water from Gooseneck Creek between October 1 and May 31 for groundwater recharge, that have not been met. Item 13 of the permit requires you to submit an annual report **by June 15.** To date, that information has not been received.

Item 8 requires proof of financial capability.

Upon receipt of this satisfactory information, our records will be changed.

Sincerely,

Thomas E. Shook
Water Right Specialist

3850 Portland Rd NE
Salem, OR 97310
(503) 378-3739
FAX (503) 378-8130

Memorandum

To: FILE - App. G-9326 / Permit G-8748;
App. G-12608 / Permit G-13521
App. S-66101 / Permit G-51165
App. G-71756 / Permit G-53238
App. R-71755 / Permit G-12221

From: Ann Reece

Date: April 29, 2008

Re: Work notes for Estimated Population /Demand Projections for Buell-Red Prairie Water District (BRPWD)

BRPWD 3/26/2008 Extension Materials provide a "2007 Water Rights Report."

- On Page 9: BRPWD estimates the 2007 population @ 748 with 299 service connections and assumes 2.5 persons per connection.
- On Page 9: BRPWD reports that the 2007 demand for 299 connections is 64 acre feet (AF)/year
- On Page 10: BRPWD estimates 632 connections by the year 2045. At 2.5 persons per connection, the population estimate is 1580 in 2045. The population growth rate averages (calculates to) 1.9% per year from 2007 to 2045.
- On Page 10: BRPWD estimates a growth rate of 1.36 % per year beyond the year 2040.
- On Page 11: BRPWD estimates demand to reach 130 acre feet (AF) per year.

The following projections were calculated [CALC] based on the above information provided by BRPWD.

Year	Population	Growth Rate	Demand	Connnections	
2007	748		64 AF/year	299	(2.5 persons/connection)
2046*	1580	1.9 %/year [CALC]	130 AF/year	632	(2.5 persons/connection)
2049	1645 [CALC]	added 3 years at 1.36%	135 AF/year [CALC]		
2051	1691 [CALC]	added 5 yrs at 1.36%	139 AF/Year [CALC]		
2053	1737	added 7 yrs at 1.36%	142 AF/Year [CALC]		

*used 2045 data for the extension that requested until 2046

RECEIVED

JUL 01 1998

WATER RESOURCES DEPT.
SALEM, OREGON

Form C (690—9-77)

IMPORTANT—This form is a notice to the Water Resources Director that permittee is ready to make **final proof** to the extent to which the water has actually been applied to the intended use under the terms of the permit. Permittee is cautioned that Certificate of Water Right will be issued based on the extent of the quantity and use as determined by the **final proof** inspection and survey which will be made in response to the filing of this Form C.

NOTE: In the case of an irrigation permit, this Form C should not be mailed to the Water Resources Department until all of the land described in the permit, which it is intended to irrigate under this permit at any time, has actually been irrigated.

Fill out, detach and mail to the Water Resources Department, Salem, OR 97310, when all of the water has been applied.

Application No. ~~51165~~ 66101

NOTICE OF COMPLETE APPLICATION OF WATER TO A BENEFICIAL USE

I, Buell Red Prairie Water District, the holder of Permit No. 51165

to appropriate the public waters of the state of Oregon, completely applied the waters to a beneficial use in accordance with the terms of said permit on the 1 day of July, 19 98

Remarks: all water has been used to limits of permit

IN WITNESS WHEREOF, I have hereunto set my hand this ~~26~~ 1 day of ~~June~~ July, 19 98

Mark A Mulkey Chairman
(Signature of Applicant)

(Address)

Form B (690—9-77)

Application No. ~~51165~~ 66101

NOTICE OF COMPLETION OF CONSTRUCTION

I, Buell Red Prairie Water District, the holder of Permit No. 51165

to appropriate the public waters of the state of Oregon, completed the construction of the works described therein on the 26 day of June, 19 98

Remarks: staff gauge installed to satisfaction of Water Master

If the works have less capacity than described in the permit, or you have definitely abandoned part of the proposed development you should so state in order that our records may not be unnecessarily encumbered.

IN WITNESS WHEREOF, I have hereunto set my hand this 1 day of July, 19 98

Mark A Mulkey chairman
(Signature of Applicant)

(Address)

Fill out, detach and mail to the Water Resources Department, Salem, OR 97310, when construction work is completed.

RECEIVED
JUL 01 1998
WATER RESOURCES DEPT.
SALEM, OREGON

DALLAS MILLER
Natural Resource Specialist 2

DM:jh

cc: Bill Ferber, Watermaster

STATE OF OREGON REMITTANCE ADVICE

TO SIGN UP FOR DIRECT DEPOSIT PAYMENT SERVICE AND RECEIVE CONVENIENT, ELECTRONIC PAYMENTS, LOG-ON TO http://egov.oregon.gov/DAS/SCD/SFMS/ach.shtml ON THE INTERNET. CLICK ON: FORMS AND BROCHURES THEN SELECT DIRECT DEPOSIT (ACH) AUTHORIZATION FORM.

Mailed 4/21/09

WARRANT NO.
121161906

WATER RESOURCES DEPARTMENT (503) 986-0926 EXT.

INVOICE NO.	INVOICE DATE	INVOICE DESCRIPTION	AGY	DOCUMENT	AMOUNT
91880		REVENUE REFUND	690	VP029364	350.00

ISSUE DATE: 04/17/09

WARRANT AMOUNT 350.00

VENDOR NAME: BUELL-RED PRAIRIE WATER DISTRICT

FOLD ON PERFORATION LINE BELOW ⇩ BEFORE DETACHING.

DO NOT ACCEPT THIS CHECK UNLESS YOU CAN SEE A TRUE WATERMARK OF CHAIN-LINKED SHARES WHEN HELD TO THE LIGHT

STATE OF OREGON
Dept of Administrative Services
To the State Treasurer, Salem, OR 97301-3896
WATER RESOURCES DEPARTMENT
(503) 986-0926 EXT.

PAYABLE THROUGH US BANK 96-10 / 1232

CHECK DATE
04/17/09

BANK WARRANT NO.
12 1161906

PAY THIS AMOUNT
$350.00

DOCUMENT NO.
VP029364

**********THREE HUNDRED FIFTY AND 00/100 DOLLARS

PAY TO THE ORDER OF:

BUELL-RED PRAIRIE WATER DISTRICT
MARK MILLIKAN
PO BOX 367
SHERIDAN OR 97378

VOID AFTER 2 YEARS FROM DATE OF ISSUE

AUTHORIZED SIGNATURE

THE FACE OF THIS CHECK HAS A COLORED BACKGROUND - EXPLANATION OF ADDITIONAL SECURITY FEATURES INDICATED ON REVERSE SIDE

⑈121161906⑈ ⑆123200101⑆ 10501⑈

Water Resources Department

3850 PORTLAND ROAD NE, SALEM, OREGON 97310 PHONE 378-3066

MEMORANDUM

TO: Water Resources Commission

FROM: Director

SUBJECT: Item ~~D~~ C, February 1, 1991, Water Resources Commission Meeting.

Request for Approval of a Process to Examine Department Rules Related to Public Review of Applications.

Background

On December 3, 1990, the Department received a letter from Karl G. Anuta, president of the Northwest Environmental Defense Center (Attachment 1). The letter concerns the Department's rules on public involvement. He requests clarification on the meaning of identical and similar words used in the various administrative rule divisions. Mr. Anuta points out the potential for inconsistent interpretations of these rules and recommends the Department undertake rulemaking to resolve these ambiguities.

Evaluation and Alternatives

Staff feels the Anuta letter raises several valid points. In addition, staff have identified other issues in the rules that may need attention. There are at least 7 rule divisions which identify a public participation process. These include Chapter 690 Divisions:

01	Procedural Rules
11	Applications and Permits
15	Water Right Transfers
18	Conservation and Use of Conserved Water
75	Contested case Hearings Before the Water Resources Commission
76	Review of Applications for Minimum Perennial Streamflows
77	Instream Water Rights.

Divisions 01 and 75 attempt to define how the public should make known its concerns to the Department to be assured that they are given full consideration. They also are intended to guide the Department in its resolution of those concerns. The other divisions pertain to the processing of various water use applications. These other divisions generally reiterate some

portion of the public involvement procedures outlined in Divisions 01 and 75.

As old rules have been modified, prompted by new legislation, and new divisions are created, undefined terms have occasionally been used interchangeably. Also, due to the different purposes of these rules, procedures set out in one division may or may not apply in another. Some of the confusion stems from confusion in the underlying legislation. Because of these complexities, understanding the public involvement procedures for each program can be difficult. Inconsistent rule interpretations may have occasionally occurred.

Recognizing that our rules always could use improvement, staff tried to identify what needs to be changed and how it should be done. Staff first considered options and factors related to this activity. The Commission could form a work group or committee comprised of representatives of the various interest groups who regularly participate in Department activities. This group could review all agency rules, focusing on public participation, with the goal of eliminating unnecessary or confusing duplication and utilizing clear consistent language. Our concerns with this approach include:

1. Public interest groups historically have divergent views, so drafting rules and reaching consensus on each of 10 to 20 issues could be difficult for such a group.
2. With the opening of so many rule sections it could be difficult to stay focused on the original concerns.
3. With the Legislature in session, we may get substantial new direction on processing applications that also would require additional rulemaking.

Another option would be for staff to conduct its own review of the rules and develop a proposal for consideration by a work group or committee. Staff envisions completing its proposals in July or August. This would allow staff to consider new statutes that may prompt other changes. The end product could range from something as complex as substantial rule revisions to a brochure that more clearly describes the processes. This method would help keep the comments focused on the public involvement process. After staff's initial cut at the problems, a work group could be more effective. Comments and suggestions of the group would be addressed before seeking Commission authorization for rulemaking. Staff recommends this approach.

While some potential changes are not controversial, others are so complex that they require more consideration. Except as recommended in Agenda Item B, staff is not proposing to begin the rulemaking process immediately.

Summation

A recent letter from the Northwest Environmental Defense Center pointed out some potentially confusing language in several sections of our administrative rules pertaining to public involvement. In addition, staff have identified other issues in the rules that may need attention. Staff proposes a comprehensive review of all WRD rules pertaining to public involvement. Following the legislative session, a proposal would be shared with a work group composed of representatives of various interest groups who regularly participate in Department activities. This group could help refine the proposal before taking it to the Commission for formal hearing authorization.

Director's Recommendation

Staff recommends the Commission approve the process to review the Department's public involvement rules.

Attachments: 1) NEDC Letter

Michael Mattick
378-3066
January 10, 1991

RECEIVED
DEC 3 1990
WATER RESOURCES DEPT.
SALEM, OREGON

Northwest Environmental Defense Center
10015 S.W. Terwilliger Blvd., Portland, Oregon 97219
(503) 244-1181 ext.707

November 30, 1990

William Young
Oregon Water Resources Dept.
3850 Portland Rd., NE
Salem, OR 97303

Re: Clarification on Rules

Dear Mr. Young:

I am president of the Northwest Environmental Defense Center (NEDC). NEDC has spent over 20 years working to protect the natural resources of the Pacific Northwest. I am also an attorney in private practice specializing in water law and environmental law.

NEDC recently spent an enormous amount of time trying to outline the Water Resources Department's rules on public involvement in the issuance of water rights. After reviewing your rules, we admit to being extremely frustrated. Critical terms are repeatedly left undefined. Others are used repeatedly, but in totally different fashions. This leaves the reader hopelessly confused and raises the following questions.

1. What is the difference between the "protest" discussed in OAR 690-01-010 and the "petition" discussed in the same rule?

2. What is the difference between the "protest" in OAR 690-01-010 thru 035 and the "objection" in OAR 690-11-080(1)?

3. What is the difference between the "petition" in OAR 690-01-010 thru 035 and the "objection" in OAR 690-11-080(1)?

4. Is the "request for review" in OAR 690-11-080(2)(b)(D) different from the "objection" in OAR 690-11-080(1)?

5. Is the "request for review" in OAR 690-11-080(2)(b)(D) different from the "protest" or the "petition" in OAR 690-01-010 thru 035?

6. Is there is a difference between the "request for review"

in OAR 690-11-080(2)(b)(D) and the "request for review" in the instream water right rules, OAR 690-77-030(1)(b)?

7. How does the "petition" in OAR 690-75-007(1) (the public interest determination in contested cases) fit with all of the above "protests," "petitions," "objections" and "requests for review"? Is it equivalent to a protest? Is it equivalent to a objection? Is it equivalent to a request for review? And so forth.

Until recently, I was under the impression that the Department of Environmental Quality's (DEQ) extensive rules on water pollution, air pollution and hazardous waste were by far the most confusingly written and poorly coordinated rules in this state. I now reluctantly conclude that, by comparison, DEQ's rules are a model of clarity. It will not benefit either the WRD or the public, to have these rules remain in this state.

It is imperative that the Department clarify what it meant by each of the above-mentioned provisions. In the situation, it can easily be charged that the Department is altering its definition to fit the circumstance. At the same time, the Department could be hoist on its proverbial petard if a smart lawyer (or even a dumb lawyer) comes up with an equally logical construction of the same rule.

I strongly recommend that you institute rule-making to resolve these ambiguities. At the same time, because that rule-making will take time to complete, it is essential that the Department issue some sort of immediate clarification on how it interprets these rules.

I look forward to your clarification. If you have any questions, please do not hesitate to contact me at 228-6474.

Sincerely,

Karl G. Anuta
President

KGA:pl
cc: Lorna Stickel, WRC
Karen Russell, WaterWatch
Jim Myron, Oregon Trout
Jeff Bernstein, NEDC
Liz Frenkel, The Sierra Club
Bob Doppelt, Oregon Rivers Council
Bruce White, Deschutes County Counsel

66101

Boatwright Engineering Inc.
2613 12th ST SE. SALEM, OREGON 97302
civil engineers • land surveyors
(503) 363-9225

May 12, 1983

Grand Ronde Domestic Water Association
P.O. Box 183
Grand Ronde, Oregon

RE: BUELL-RED PRAIRIE WELL RECHARGE PROGRAM

Gentlemen:

We have been asked by the Buell-Red Prairie Board to assist them in developing a ground water recharging program to increase the yield from the wells.

To date we have been in contact with the State Health Division and Water Resources Department and been advised that no known regulations exist that would preclude the implementation of the recharge program being proposed. Recharging is not a common practice, however it is being used currently in a number of areas in the State.

We propose to finalize our recommendations on how the system would operate and protective measure to be taken to insure water of potable quality for domestic use for a written submittal for agency approval prior to any construction.

I trust this brief explanation will bring you up to speed as to where we're at. You must keep in mind that this process is not standard and will take a little longer than a standard every day time system improvement or modification. If you have any questions please contact me at your convenience.

Yours truly;

Martin G. Boatwright, P.E.

CC: Buell-Red Prairie
FHA, Dan Fraser

MGB/kv

NEIL GOLDSCHMIDT
GOVERNOR

Water Resources Department

3850 PORTLAND ROAD NE, SALEM, OREGON 97310 PHONE 378-8455

MEMORANDUM

TO: Water Resources Commission

FROM: Director

SUBJECT: Agenda Item K, February 1, 1991, Water Resources Commission meeting

Consideration for Approval of Application 66101 to Appropriate Water for Artificial Groundwater Recharge, Buell-Red Prairie Domestic Water Association, Polk County.

Background

Application 66101 proposes the appropriation of 75 gallons per minute (0.17 cfs) and 61 acre-feet per year from Gooseneck Creek for the purpose of artificially recharging a deep volcanic tuff groundwater reservoir (Attachment 1). The intended use of the recharged water would ultimately be quasi-municipal (domestic) purposes through a future secondary permit. The recharge would serve to augment the depleted natural supply to the Association's deep wells. Administrative Rule 690-11-080 (2)(a)(E) specifies that the Director shall refer to the Commission all applications for artificial groundwater recharge.

Discussion

The Buell-Red Prairie Domestic Water Association provides mainly domestic water to rural users in Polk and Yamhill Counties. The Association serves about 900 people in a 36-square-mile area through 36 miles of distribution pipe. Due to severe groundwater scarcity in this area, the cost of water and the available supply limit anything but the most frugal use of water to Association members. This scarcity is likely to prohibit expansion of the Association's service.

The Association relies upon two wells for its quasi-municipal water supplies. The wells were constructed in 1979 and withdraw water under permit G-8748. These wells and the completion of the distribution system replaced the use of numerous individual wells and springs by Association members. In 1983 after a few years of use, the wells became almost unusable due to groundwater depletion that they caused. At that time, the Association began artificial groundwater recharge using the basic recharge scheme in Application 66101. That activity resulted in the rebound of water levels in the wells and allowed continued use.

The recharge scheme consists of taking water from Gooseneck Creek during the high-flow months and recharging the groundwater reservoir through a former irrigation well. Association data reveal that the recharge results in water level rebounds at well #1 which is 800 feet away. Water quality data suggest that recharge water also moves to well #2 which is 1700 feet away. At the present time the two wells are in near constant use to provide the average demand of 69,000 gpd (0.11 cfs).

The recharge rate and volume will vary in response to conditions which are encountered at the recharge well and flow limitations on the creek. The application anticipates a recharge rate of 75 gpm which is based on experience at the recharge well. It is likely that the requested rate could be met almost continuously at the recharge well.

The Oregon Department of Environmental Quality (DEQ), the Oregon Department of Fish and Wildlife (ODFW), and the Oregon State Health Division worked with the Department and applicant to draft a permit (Attachment 2). The draft permit addresses water quality by requiring compliance with other state agency programs and water quantity through metering, measurement, and specific streamflow requirements. The draft requires annual and other reports to the Department and other agencies and provides the Department the ability to modify the permit due to actual recharge performance or require recharge to stop due to adverse circumstances.

Water quantity is an issue in this application. ORS 537.135 (recharge statute) states in subsection 5 that "the Water Resources Commission shall not issue a ground water recharge permit unless the supplying stream has a minimum perennial stream flow established for the protection of aquatic and fish life. The State Department of Fish and Wildlife may waive this prerequisite if a minimum perennial stream flow for protection of aquatic and fish life is not required for the supplying stream." Since Gooseneck Creek has no minimum streamflow or instream water right for aquatic and fish life, ODFW has offered permit-specific minimum flows for the mouth of Gooseneck Creek in order to waive the need for a minimum flow. The ODFW letter of March 14, 1990 (Attachment 3) outlines those flows and the draft incorporates them. The Department's own water availability analysis indicates that those flows are typically met (Attachment 4).

Additional water quantity issues arise since Gooseneck Creek is a tributary of Mill Creek which is a tributary of the South Yamhill River. The chronic low summer flows of the South Yamhill River are a concern to ODFW, DEQ, Oregon Trout and Waterwatch as referenced by letters in pending applications on that river. The draft permit addresses that concern by limiting recharge to the period October through May. Any recharge permit on this application would also be subject to the existing instream water rights (converted minimum streamflows) on Mill Creek at the mouth, the South Yamhill River near Whiteson, and the Yamhill River near Lafayette.

Water quality is also a concern in this project. The watershed is undeveloped above the diversion point. The watershed is controlled mainly by the Bureau of Land Management but also by a private timber operator. Coordination with DEQ on this application resulted in the applicant's testing of creek water for numerous organic chemicals and volatile organic compounds. None of the constituents were discovered and their introduction into the watershed appears remote. Both DEQ and Health Division have sampling requirements for the Association which are referenced and required by the draft permit (Attachment 2).

Alternatives

1. Find that the use with the conditions in the draft permit in Attachment 2 would not be detrimental to the public interest and instruct the Director to issue the permit.

2. Find that the use, as otherwise conditioned, would not be detrimental to the public interest and instruct the Director to issue a permit with other conditions.

3. Find that the use may be detrimental to the public interest and require a public interest hearing by the Commission to assist in making a determination.

Director's Recommendation

The staff recommends that the Commission approve Alternative 1: find that the use as conditioned in the draft permit would not be detrimental to the public interest and instruct the Director to issue the permit.

Attachments:
1. Application 66101 and Map
2. Draft Permit
3. ODFW letter
4. Water Availability Analysis

Donn Miller: dm
378-8455
January 9, 1991

Application No. 66101 C Permit No. (ATTACHMENT 1

STATE OF OREGON WATER RESOURCES DEPARTMENT

Application for Permit to Appropriate Surface Water

RECEIVED
SEP 1993
WATER RESOURCES DEPT
SALEM, OREGON

I, Buell-Red Prairie Domestic Water Assn (Name of Applicant)

of 6975 Red Prairie Rd (Mailing Address), Sheridan (City)

State of Ore, 97378 (Zip Code) Phone No. 843-2718 do hereby

make application for a permit to appropriate the following described waters of the State of Oregon:

1. The source of the proposed appropriation is Goosemark Cr

, a tributary of Mill Cr

2. The point of diversion is to be located .... ft. (N. or S.) and .... ft. (E. or W.)

from the .... corner of N 59°25'W 1121.0 ft from (Public Land Survey Corner)

the S¼ cor Sec 35 T 6S R 7W

(If there is more than one point of diversion, each must be described)

being within the SE¼ ¼ of the SW¼ ¼ of

Sec. 35 Tp. 6S (N. or S.) R. 7W (E. or W.), W. M., in the county of Polk

3. Location of area to be irrigated, or place of use if other than irrigation.

Township	Range	Section	List ¼ ¼ of Section	List use and/or number of acres to be irrigated
6S	7W	35	SW¼ SE¼	Recharge well

Form 690-1-0-1-77

4. *The amount of water which the applicant intends to apply to beneficial use is* 75 gpm

~~cubic feet per second~~

(If water is to be used from more than one source, give quantity from each)

5. *The use to which the water is to be applied is* Ground water recharge.

6. *DESCRIPTION OF WORKS*

Include dimensions and type of construction of diversion dam and headgate, length and dimensions of supply ditch or pipeline, size and type of pump and motor, type of irrigation system to adequately describe the proposed distribution system.

Water will be injected into the aquifer by means of an existing well ~~No. 1~~ 90-100' deep located in the SW¼SE¼ Sec 35 T6S R7W. Withdrawal will be made from two wells described in Permit G ~~8326~~ 8748 (Appl 9326) located in the NE¼SE¼ & NW¼SE¼ Sec 35 T6S R7W. The water will be pre-treated before recharge & a turbidity meter installed with automatic shut off to prevent recharge when turbidity reaches pre-determined levels. The recharge well was flow flowing prior to pumping the two wells under Permit G 8748 and is no longer in use. The recharge well is approx 800 ft from one withdrawal well & 1700 ft from the other. There is no development upstream from the creek diversion point.

If for domestic use state number of families to be supplied

7. *Construction work will begin on or before* Jan 1984

8. *Construction work will be completed on or before* Apr 1984

9. *The water will be completely applied to the proposed use on or before* Apr 1985

ATTACHMENT 1

Remarks:

This permit, when issued, is for the beneficial use of water. By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan. It is possible that the land use you propose may not be allowed if it is not in keeping with the goals and the acknowledged plan. Your city or county planning agency can advise you about the land-use plan in your area.

M S Brooklyn Engineer
Signature of Applicant
for Buell Red Prairie Domestic Water Association

This is to certify that I have examined the foregoing application, together with the accompanying maps and data, and return the same for completion

In order to retain its priority, this application must be returned to the Water Resources Director with corrections on or before June 5, *19*84

WITNESS my hand this 5th *day of* December, *19*83

WILLIAM H. YOUNG, *Water Resources Director*

By Larry W. Jebousek

Larry W. Jebousek

RECEIVED
JUN 8 1984
WATER RESOURCES DEPT.
SALEM, OREGON

This instrument was first received in the office of the Water Resources Director at Salem, Oregon, on the 15th *day of* September, *19*83, *at* 3:50 *o'clock* P *M.*

Application No. 66101 *Permit No.*

Application No. 66101 ..... *Permit No.* ATTACHMENT 1 ..... PC / RCR

Permit to Appropriate the Public Waters of the State of Oregon

This is to certify that I have examined the foregoing application and do hereby grant the same SUBJECT TO EXISTING RIGHTS INCLUDING THE EXISTING FLOW POLICIES ESTABLISHED BY THE WATER POLICY REVIEW BOARD and the following limitations and conditions:

The right herein granted is limited to the amount of water which can be applied to beneficial use and shall not exceed ..... cubic feet per second measured at the point of diversion from the stream, or its equivalent in case of rotation with other water users, from .....

The use to which this water is to be applied is .....

If for irrigation, this appropriation shall be limited to ..... of one cubic foot per second or its equivalent for each acre irrigated .....

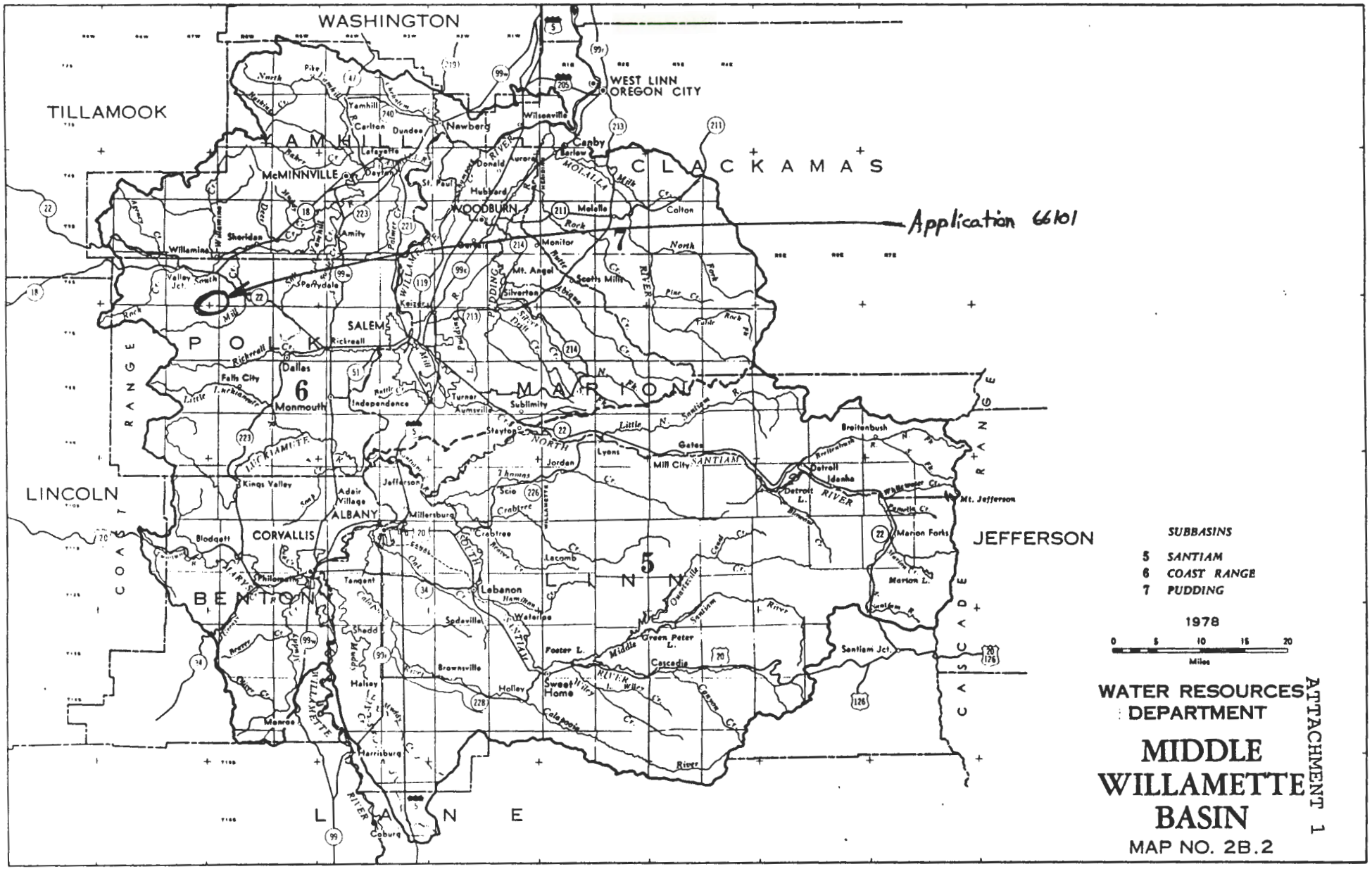
and shall be subject to such reasonable rotation system as may be ordered by the proper state officer.

The priority date of this permit is .....

Actual construction work shall begin on or before ..... and shall thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 19.....

Complete application of the water to the proposed use shall be made on or before October 1, 19.....

WITNESS my hand this ..... day of ....., 19.....


WASHINGTON
TILLAMOOK
WEST LINN
OREGON CITY
Newberg
Canby
YAMHILL
CLACKAMAS
McMINNVILLE
WOODBURN
Application 66101
Willamina
Sheridan
Amity
SALEM
Mt. Angel
Silverton
Scotts Mills
POLK
Dallas
Monmouth
Independence
Falls City
MARION
Stayton
Sublimity
Aumsville
Lyons
Mill City
Gates
Detroit
Idanha
Detroit L.
Mt. Jefferson
Marion Forks
JEFFERSON
LINCOLN
Kings Valley
Jefferson
Scio
Jordan
ALBANY
Millersburg
CORVALLIS
Blodgett
Philomath
Tangent
Lebanon
Sodaville
Shedd
Brownsville
Halsey
Holley
Sweet Home
Foster L.
Green Peter L.
Cascadia
Santiam Jct.
Marion L.
BENTON
LINN
Monroe
Harrisburg
Coburg
LANE
COAST RANGE
CASCADES
SUBBASINS
5 SANTIAM
6 COAST RANGE
7 PUDDING
1978
0 5 10 15 20
Miles
WATER RESOURCES DEPARTMENT
MIDDLE WILLAMETTE BASIN
MAP NO. 2B.2
ATTACHMENT 1

STATE OF OREGON

COUNTY OF POLK

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

BUELL-RED PRAIRIE DOMESTIC WATER ASSOCIATION (ASSOCIATION)
6890 FRANK ROAD
SHERIDAN, OREGON 97378

to use the waters of GOOSENECK CREEK, a tributary of MILL CREEK, for GROUNDWATER RECHARGE. The permit to use these waters is issued under Application 66101. The date of priority is JUNE 8, 1984. The use is limited to the period from October 1 through May 31, not more than 75.0 GALLONS PER MINUTE, and not to exceed 61.0 ACRE-FEET each recharge period/year, measured at the point of diversion.

The point of diversion is located as follows:

SE 1/4 SW 1/4, Section 35, T 6 S, R 7 W, W.M.; North 59 Degrees, 25 Minutes West, 1121 feet from S 1/4 corner Section 35.

The permittee shall appropriate water from Gooseneck Creek only when the following instream flows in cubic feet per second are maintained at the mouth of Gooseneck Creek:

OCTOBER	NOVEMBER THROUGH MAY
1.0	10.0

The water user shall install and maintain an in-line flow meter, weir, or other suitable device, of a type and at a location to be approved by the watermaster, for measuring or recording the above instream flows.

The use of water allowed under this permit shall conform to such reasonable rotation system as may be ordered by the proper state officer.

The place of use is the recharge well which is located as follows:

SW 1/4 SE 1/4
SECTION 35
TOWNSHIP 6 SOUTH, RANGE 7 WEST, W.M.

This permit is also subject to the following conditions:

1. Meters: The permittee shall meter the water withdrawn at the diversion and meter the water injected into the recharge well.

2. Records, inspections: The permittee shall keep accurate and current records of daily metered values, water levels and other operational information. The Water Resources Director (Director) may inspect the records and works covered by this permit upon one day notice and at any reasonable time.

3. Estimated data: When data are missing in whole or in part, the Director may make estimates from available data. Those estimates shall be reasonable and, where a range of uncertainty exists, conservatively low on water delivered to the place of recharge.

4. Water level monitoring: Once each year between April 1 and June 1, the permittee shall measure and record the depth to water below land surface in each of the following wells to 1 foot accuracy. Prior to the determinations, recharge and pumping shall be suspended by the permittee for at least seven days. Two of the wells are not controlled by the Association, however the permittee shall attempt to cooperate with the other owners to obtain these measurements.

Well Location	Common Name	Remarks
T6S/R7W-35db	Buell-Red Prairie #1	
T6S/R7W-35da	Buell-Red Prairie #2	
T6S/R7S-35dc	Recharge Well	
T6S/R7W-35ca	Mike Propes Well	Not controlled by Association
T6S/R7W-35db	Villager Well	Not controlled by Association

5. Target water levels in key wells: This permit designates two existing wells as key wells in the water level monitoring program. As determined between April 1 and June 1 of each year, actual water levels at these wells shall be compared to the target levels to determine allowable use as indicated under the allowable use of stored water condition. Key wells and associated target levels are:

		Target Levels (feet below Land Surface Datum)	
Well Location	Common Name	Upper	Lower
T6S/R7W-35db	Buell-Red Prairie #1	25	125
T6S/R7W-35dc	Recharge Well	0	50

6. Storage account for the determination of stored recharge water: The Water Resources Department (WRD) shall make final determinations on stored groundwater. This shall occur through a storage account which covers this permit. The storage account shall be based on recharge and secondary permit withdrawals over only the preceding five recharge years. For this permit, the recharge year is the period from June 1 through May 31 of each year. It shall be credited at 80% of water metered to the place of recharge. Withdrawals of stored water shall be debited at 100% of metered values at wells covered by a secondary permit(s). The debit applies to that portion of withdrawals which are in excess of the permittee's natural water pumpage of 5 million gallons annually under Permit G-8748. The permittee may obtain information on the storage account from the WRD by submitting a written request.

7. Allowable use of stored recharge water: The availability of recharge water stored under this permit is based on the priority of secondary groundwater rights and the allowable use of stored recharge water. The allowable use of stored recharge water during any water year falls into 3 categories. For ease of reference, these categories are named as color zones.

(A) Green zone: If recent water levels as determined between April 1 and June 1 at the two (2) key wells are above the upper target levels, use is allowed up to the maximum of the storage account.

(B) Yellow zone: If neither Green zone nor Red zone water levels prevail, use is allowed up to 80 percent of the recharge volume for the preceding 12 months.

(C) Red zone: If recent water levels as determined between April 1 and June 1 at two (2) key wells are below the lower target levels, no use of recharged water is allowed the following recharge year.

8. Permit assignment: A potential assignee shall prove, to the Director's satisfaction, the financial capability to construct uncompleted portions of, and operate, the project authorized by the permit.

9. Mitigating unforseen effects:

(A) If, under actual operation of the recharge project, the Director notifies the permittee that the Director has reason to believe there are adverse groundwater quantity or quality effects, the permittee shall cease recharge activities. No further diversion shall be made until measures to prevent, correct or monitor those adverse effects have been agreed to and implemented.

(B) If, in the judgement of the Director, project performance or other hydrologic circumstances indicate that provision(s) in this permit are an unnecessary hardship, or are either inappropriate or inadequate to monitor or manage the quantity or protect the quality of the groundwater resource, the Director may modify target water levels, key wells, the storage account credit factor, the storage account, or any other term of this permit as necessary to remedy the deficiencies.

10. Technical oversight: The construction and operation of the recharge project shall be overseen by a professional registered civil engineer(s) licensed to practice in Oregon.

11. Other state or federal agency requirements:

The following conditions are notices of requirements of other Oregon state agencies. The permittee shall correspond directly with each agency regarding monitoring, reporting and any other requirements. Reports shall only be submitted to the requiring agency.

The WRD will enforce these conditions in a manner similar to other conditions in this permit but only upon notice of noncompliance and request for enforcement from the responsible agencies.

Conditions 11(A) and (B) shall remain in effect unless and until WRD receives a written agreement signed by the permittee and responsible agencies to modify the conditions.

(A) The permittee shall comply with the requirements of the Oregon State Health Division.

(B) The permittee shall provide appropriate groundwater quality protection as specified by the Oregon Department of Environmental Quality (DEQ). The DEQ monitoring and sampling plan for this project was submitted to the WRD by letter of January __, 1991, and is, by reference, included as part of this permit.

12. Water conservation program: Within one year from the date the Water Resources Commission adopts rules describing the schedules, standards and procedures for water management plans by water suppliers, the Association shall submit a plan which is consistent with the rules.

13. Annual and other reports:

(A) The permittee shall submit an annual report to the WRD and any secondary permittee by June 15 of each year. That report shall include the range of diversion and recharge rates and total quantities diverted and recharged during the prior recharge year (ending May 31) as metered under conditions 1, 2, and 3. In addition, the report shall include the water level data from condition 4, the permittee's estimate of the storage account under condition 6, a brief narrative describing operational factors related to the recharge project and conditions 8, 9, 10, 12, and a list of the dates of any reports submitted to other agencies under condition 11.

(B) The permittee shall submit, as scheduled, any reports required by other agencies under condition 11, directly to those agencies.

The wells shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works constructed shall include an air line and pressure gauge or an access port for measuring line, adequate to determine water level elevation in the well at all times.

This development was reviewed and approved by the Water Resources Commission on _____.

Actual construction work shall begin on or before _____ , and shall be completed on or before October 1, 1992. Complete application of the water to the use shall be made on or before October 1, 1993.

This permit is for the beneficial use of water without waste. By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

Issued this date, _____.

_____
Water Resources Department
William H. Young
Director

ATTACHMENT 2

STATE OF OREGON

DEPARTMENT OF ENVIRONMENTAL QUALITY INTEROFFICE MEMORANDUM

DATE: December 20, 1990

TO: Donn Miller
Water Resources Department

FROM: Rene C. Dulay
Industrial Waste Section, WQD

DEC 24 1990
WATER RESOURCES DEPT.
SALEM, OREGON

SUBJECT: Buell-Red Prairie Water Association Recharge Permit

Attached herewith is the draft of the monitoring plan for the Red Prairie Recharge project. We have considered the comments from Red Prairie during the meeting on December 17, 1990 and were incorporated in the monitoring plan.

Limits for pH and total coliform has been added. Also the monitoring of nitrate has been changed from 2 per year to monthly. A review of the nitrate data showed that there is a dramatic increase of nitrate in the groundwater since 1979. There is a need to monitor nitrate more often.

We would like to comment also on the permit. In item 13(B) on page 4, the second sentence should read as follows:

13(B) Reports to the Department of Environmental Quality shall be directed to the attention of the DEQ Willamette Valley Region office.

Attached also is an example of the monitoring report form which should be used by the permittee. Although the form is intended for NPDES monitoring permit requirement, this could be used for the proposed WRD permit. This form could be obtained from the Willamette Valley Region office or from Water Quality Division.

Please let me know if there are any further comments on the monitoring plan. Otherwise, I plan to send the final monitoring plan by the first week of January 1991.

Attachments
cc: Willamette Valley Region, DEQ w/ attachments

1/8/91

Note: Final letter is "in the mail".

MONITORING AND SAMPLING PLAN ATTACHMENT 2

1. Unless otherwise agreed in writing by the Water Resources Department, data collected, and submitted shall include but not necessarily be limited to the following parameters and minimum frequencies:

Recharge Well

Item or Parameter	Minimum Frequency*	Type of Sample
Total Coliform	Monthly	Grab
Nitrate (as N)	Monthly	Grab
Total Dissolved Solids	2 per year	Grab
pH	2 per year	Grab
Inorganic Chemicals		
Arsenic	Annual	Grab
Barium	Annual	Grab
Cadmium	Annual	Grab
Chromium	Annual	Grab
Copper	Annual	Grab
Fluoride	Annual	Grab
Iron	Annual	Grab
Lead	Annual	Grab
Manganese	Annual	Grab
Mercury	Annual	Grab
Selenium	Annual	Grab
Silver	Annual	Grab
Total Trihalomethanes	Annual	Grab

* Water shall be sampled for the required analyses at the point of injection at the recharge well.

2. Water to be recharged shall be analyzed for organic chemicals and regulated volatile organic compounds (VOC) in the frequency required by the Drinking Water Section of the Oregon Health Division. (The data shall be submitted to the ?? Water Resources Department within 45 days after sampling of the recharge well.)

3. Recharge activities shall cease when any of the following conditions occur during the injection of treated water to the recharge well:

   a. Nitrate level of recharge water exceeds 5.0 mg/l.

   b. Total coliform shall not exceed <1/100 ml**.

   c. Concentration of any of the Inorganic Chemicals in the recharge water exceeds one half (1/2) of the Safe Drinking Water Standard Maximum Contaminant Levels.

DRAFT

d. pH shall be within the range 6.5 - 8.5. ATTACHMENT 2

e. Any of the Organic Chemicals or Volatile Organic Compounds is detected in the recharge water using approved analytical procedures under the Safe Drinking Water Act.

** Total coliform analyses are to be conducted using the 10-tube Multiple Tube Fermentation (MTF) Technique.

Recharge activities ~~in~~ shall resume only if contaminant levels as specified in Item 3 are not exceeded or if measures to prevent, correct and/or monitor any adverse groundwater quality or quantity effects have been agreed to and implemented.

4. The permittee shall submit the data required by the Health Division in monitoring of organic chemicals for community water systems.

NEIL GOLDSCHMIDT
GOVERNOR

Department of Fish and Wildlife

P.O. BOX 59, PORTLAND, OREGON 97207

RECEIVED
MAR 16 1990
ATTACHMENT 3
WATER RESOURCES DEPT.
SALEM, OREGON

March 14, 1990

Jake Szramek
Water Resources Department
3850 Portland Road N.E.
Salem, OR 97310

Re: Water Right 66101, Buell-Red Prairie Water Association, Gooseneck Creek 75 gpm (0.16 cfs)

Gooseneck Creek contains wild steelhead and cutthroat trout. In July, 1979 and 1987, our West Slope-Mollala District Fish Biologist, John Haxton, inventoried Gooseneck Creek and collected wild juvenile steelhead and cutthroat trout. During the 1987 inventory, a 0.5 cubic feet per second (cfs) Gooseneck streamflow was observed.

The Willamette Basin Comprehensive Study, Pacific Northwest River Basins Commission 1969, appendix D, recommends minimum perennial streamflows in cfs at Gooseneck Creek's mouth as follows:

Nov-May	Jun	Jul	Aug-Sep	Oct
10	5	2	1	1

The applicant requests surface water appropriation to recharge wells. OAR 690-11-0851 requires the applicant to obtain an ODFW waiver to the requirement for establishment of a Minimum Perennial Streamflow. Unless the applicant is willing to accept the above minimum streamflow conditions, ODFW recommends this application be denied.

Thank you for the opportunity to comment.

Sincerely,

Gregory P. Robart
Staff Biologist
Aquatic Habitats Program
Habitat Conservation Division

grg
c: WRD, Groundwater Permits - Brown

ATTACHMENT 4

December, 27, 1990

MEMORANDUM

To: ~~Mike~~ Mattick Donn Miller - call me MM Looks ok except min flow #'s

From: E. George Robison E. George Robison

Concerning: Flows on Gooseneck Creek

Attached are the calculated flows for Gooseneck Creek that you requested me to get. If you look at the attachments you will see that there is flow year round but the flow gets very low during August and September. In looking at the existing water rights there is 600 acre feet diverted for municipal use. If water is diverted equally 365 days a year for this use the flow would be about 0.8 CFS per day taken out of the stream. That would represent water that should be subtracted from the values I gave you. In August and September the streamflows go down to a few cubic feet per second. With the municipal diversion this may almost dry up the stream. However, there is a small reservoir on the stream and maybe this makes up for this demand. Flows from a neighboring gaged watershed (Mill Creek, area 27.4 miles sqrd., see attached streamflows highlighted in Orange) show that the model results are reasonable. By doing a basin to basin ratio on basin area I get an August 50% exceedence flow of 2.4 CFS as compared with 2.7 CFS with the model. There are four separate attachments giving results. I hope this is what you need. If not please give me a call.

cc Fred Lissner Cover only

Attach 1

ATTACHMENT 4

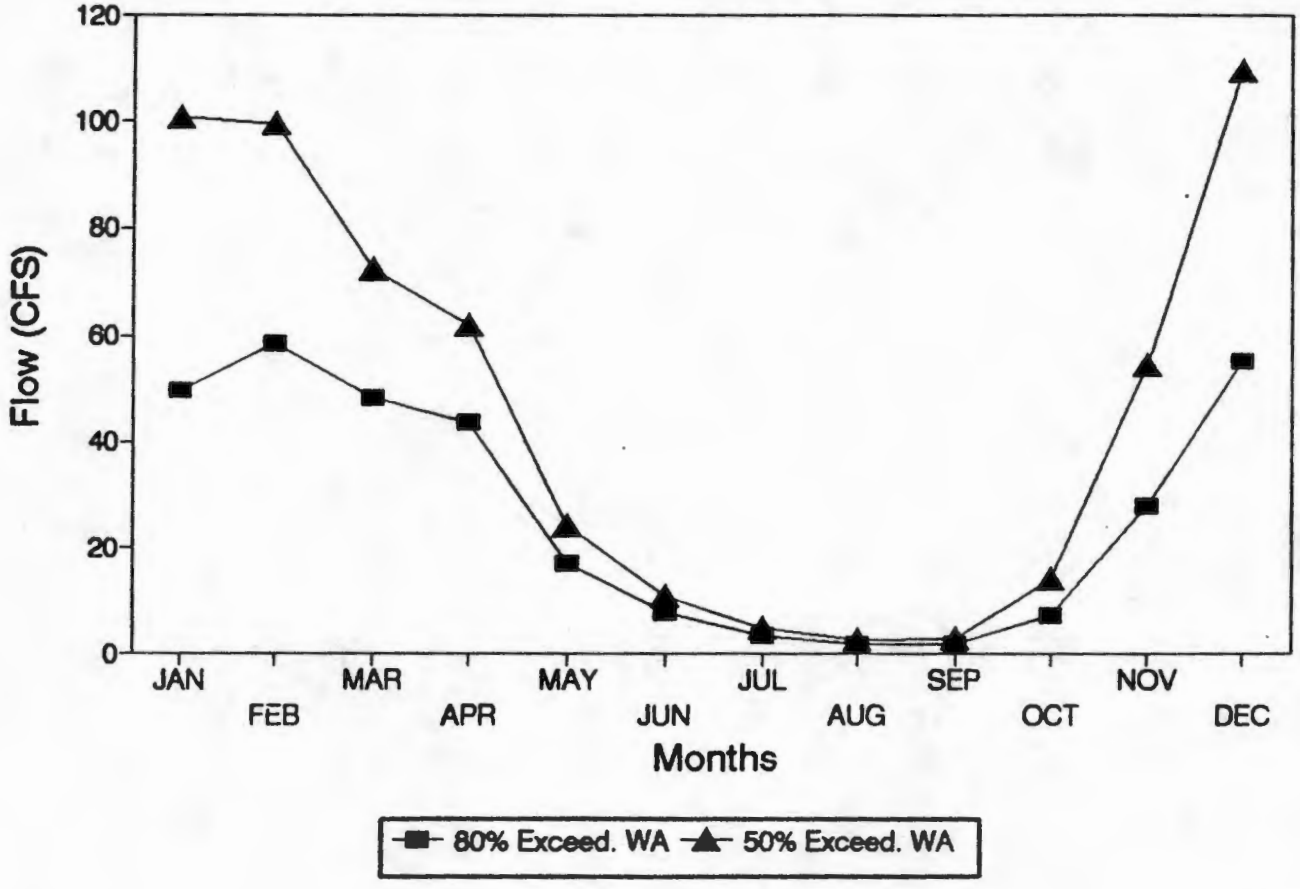
WATER AVAILABILITY TABULATION

Gooseneck Creek at mouth

Months	Pred5	Pred2	Inswr	WA5	WA2
JAN	49.6	100.6	0.0	49.6	100.6
FEB	58.4	99.3	0.0	58.4	99.3
MAR	48.2	72.4	0.0	48.2	72.4
APR	43.4	61.8	0.0	43.4	61.8
MAY	17.1	24.3	0.0	17.1	24.3
JUN	7.9	10.7	0.0	7.9	10.7
JUL	3.5	4.9	0.0	3.5	4.9
AUG	1.8	2.7	0.0	1.8	2.7
SEP	1.9	3.0	0.0	1.9	3.0
OCT	7.2	13.9	0.0	7.2	13.9
NOV	27.7	54.0	0.0	27.7	54.0
DEC	54.8	109.3	0.0	54.8	109.3

2.0 *********
10.9 = Drainage Area
83.2 = Precipitation
18.7 = WR Index
4.8 = SI Index

Water Availability
Gooseneck Creek at mouth



Attach 2.

ATTACHMENT 4

Santiam R. at Jefferson, Or. #14189000
Located in the SE quarter of sec. 11, town. 10s, and range 3w.

Flows	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
80% Exceed.	7625.9	8604.2	7272.1	7541.4	5839.4	2545.5	990.9	519.7	568.8	1093.4	5106.0	8562.0
50% Exceed.	14097.4	14788.1	10142.4	9949.2	8334.5	3903.6	1441.1	705.3	828.2	2351.4	10314.1	15112.0

Luckiamute R. near Hoskins, Or. #14189500
Located in the NE quarter of sec. 11, town. 10s, and range 7w.

Flows	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
80% Exceed.	255.4	290.6	241.0	128.7	61.0	31.5	17.3	11.0	9.7	22.4	121.6	297.3
50% Exceed.	463.3	455.5	350.3	190.8	87.4	42.8	22.2	14.3	14.2	44.6	256.0	508.5

Luckiamute R. at Pedee, Or. #14190000
Located in the SE quarter of sec. 33, town. 9s, and range 6w.

Flows	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
80% Exceed.	567.8	622.1	492.8	266.5	141.4	67.8	31.3	17.4	17.0	34.2	200.4	593.6
50% Exceed.	1105.9	1021.9	735.9	391.0	200.4	89.6	40.8	23.6	24.8	68.0	449.7	1118.8

Little Luckiamute R. at Falls City, Or. #14190100
Located in the SE quarter of sec. 18, town. 8s, and range 6w.

Flows	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
80% Exceed.	199.3	212.1	166.7	109.2	62.0	34.0	20.7	13.7	12.3	18.4	69.2	171.9
50% Exceed.	344.3	313.9	234.7	150.4	85.1	45.0	25.9	17.6	17.7	35.8	138.0	337.7

Grant Cr. near Falls City, Or. #14190350
Located in the NE quarter of the NW quarter of sec. 34, town. 8s, and range 6w.

Flows	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
80% Exceed.	10.0	14.0	11.1	5.7	2.7	1.1	0.5	0.2	0.1	0.3	1.3	8.1
50% Exceed.	24.7	25.9	16.4	9.0	4.1	1.5	0.7	0.3	0.2	0.5	4.5	29.2

Luckiamute R. near Suver, Or. #14190500
Located in the SW quarter of the SW quarter of sec. 18, town. 9s, and range 4w.

Flows	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
80% Exceed.	1129.3	1241.3	956.7	533.0	269.9	119.2	47.4	24.5	29.7	59.9	363.9	1151.6
50% Exceed.	2244.0	2071.3	1431.6	784.0	379.9	160.5	66.0	36.8	43.5	119.4	826.7	2202.0

Rickreall Cr. near Dallas, Or. #14190700
Located in the SE quarter of the SW quarter of sec. 35, town. 7s, and range 6w.

Flows	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
80% Exceed.	162.9	178.6	127.4	63.3	28.0	10.6	3.5	1.6	2.0	4.9	42.6	167.2
50% Exceed.	401.6	366.7	232.6	112.6	47.1	16.7	5.9	3.0	3.6	12.0	121.2	395.2

Willamette R. at Salem, Or. #14191000
Located in the SE quarter of the SW quarter of sec. 22, town. 7s, and range 3w.

Flows	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
80% Exceed.	24112.1	29443.5	23794.5	21616.8	16271.7	7621.5	4369.7	3255.8	3320.2	4291.1	12845.0	22321.7
50% Exceed.	38500.4	45474.7	33109.9	27975.6	22073.4	10633.5	5421.9	3767.7	3926.9	5878.1	21519.9	39742.1

S. Yamhill R. near Willamina, Or. #14192500
Located in the NE quarter of the SE quarter of sec. 14, town. 6s, and range 7w.

Flows	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
80% Exceed.	784.2	856.4	689.8	373.7	177.3	73.3	31.3	14.8	17.9	59.0	405.8	939.1
50% Exceed.	1493.3	1331.5	1010.0	531.2	255.5	104.0	43.3	23.0	30.4	142.4	869.6	1636.0

Willamina Cr. near Willamina, Or. #14193000
Located in the NE quarter of the NW quarter of sec. 13, town. 5s, and range 7w.

Flows	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
80% Exceed.	321.7	370.1	314.2	182.3	95.0	47.8	25.9	15.9	15.5	26.7	132.8	359.6
50% Exceed.	622.0	584.0	448.4	259.0	128.2	60.7	31.3	19.6	20.5	49.5	283.8	653.8

Mill Cr. near Willamina, Or. #14193300
Located in the NE quarter of the NW quarter of sec. 17, town. 7s, and range 6w.

Flows	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
80% Exceed.	152.3	166.5	148.0	76.3	35.6	16.0	7.8	4.6	4.6	12.2	87.0	194.0
50% Exceed.	318.5	293.0	222.0	116.4	52.5	21.1	9.4	6.1	7.2	27.5	176.9	356.4

S. Yamhill R. near Whiteson, Or. #14194000
Located in the NE quarter of the NW quarter of sec. 5, town. 5s, and range 4w.

Flows	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
80% Exceed.	2253.6	2517.9	1964.3	984.2	448.4	174.8	64.1	27.2	34.6	104.6	775.3	2442.0
50% Exceed.	4592.0	4249.2	2903.0	1484.0	650.1	251.3	92.8	44.6	60.0	257.5	1778.6	4635.5

RECEIVED
AUG 23 1989
WATER RESOURCES DEPT.
SALEM, OREGON

Young
Borden

NEIL GOLDSCHMIDT
GOVERNOR

Department of Human Resources
HEALTH DIVISION
1400 SW 5th AVENUE, PORTLAND, OREGON 97201 (503) 229-6307
TDD-NONVOICE: (503) 229-5497

August 22, 1989

Mrs. Neoma Reynolds
Buell-Red Prairie Water Association
6869 Frank Road
Sheridan, Oregon 97378

Dear Mrs. Reynolds:

RE: W-BUELL-RED PRAIRIE WATER ASSOCIATION #4101174

I met with Don Capistran and members of the water board on August 2, 1989, to discuss system operation and proposed improvements. Currently, the system is supplied water by a combination of a drilled well and a recharge system from an impoundment on Gooseneck Creek. Items that must be addressed by the Association with regard to the existing operation:

1) Well #1 (supplied from recharge system) must be monitored as a surface water source. This would include daily turbidity measurements, annual inorganics, and organics every 3 years (see schedule enclosed).

2) System must be disinfected in a manner that guarantees that all the finished water is chlorinated with adequate (minimum 30 minutes) contact time and that a 0.2 ppm free chlorine residual is maintained throughout the distribution. Enclosed is a copy of the February 24, 1986, letter from our office requiring disinfection on a continuous basis. Plans for the chlorination and contact time provision must be prepared by a professional engineer and reviewed/approved by the State prior to installation. This process has never been completed.

3) The operation of the recharge system (chlorination, monitoring, etc.) is under the jurisdiction of the State Water Resources Department. That office must be kept informed of all pertinent matters.

4) As a result of the new Surface Water Treatment Rule, filtration will likely be required, based on use of the recharge system. The implementation of the rule will require that filtration be in place and operating by 1993.

I didn't copy FO, Permit or PFD

Concerning Future Plans:

The board indicated that the Association is in the process of negotiating to purchase the Gooseneck Reservoir and acreage around it from a private individual. If this situation develops and the Association looks at usage directly from the impoundment, the degree of treatment must be determined. The Surface Water Treatment Rule requires filtration of all surface water supplies except in special cases depending on water quality and watershed control. Filtration treatment that is acceptable to the Health Division:

1) Conventional Rapid Sand which uses coagulation, flocculation, sedimentation and filtration. This treatment can be used with all types of water.

2) Direct Rapid Sand which uses chemicals the same as conventional rapid sand, but flocculation and sedimentation are eliminated. This type of plant requires a pilot study.

3) Slow Sand Filtration, a biological filter, which requires a pilot study to test the effectiveness of the filter technology.

4) Other types of filtration (Diatomaceous Earth and Cartridge Filters). These filtration techniques require a pilot study.

In all of the above, chlorination (disinfection) is required as part of the treatment. Plan review and approval by the Division is required prior to construction. The plans must be completed by a professional engineer (registered in Oregon). It is advisable for you to contact an engineer as soon as possible to assist the Association in dealing with the upgrading of the existing system and in making plans for long term supply. It is also recommended that the raw water quality (turbidity, coliform bacteria, temperature, pH) from the impoundment be monitored to provide data for selecting the proper treatment.

Please contact our office (me or Mike Grimm) if you have any questions. We will visit again soon to check progress and collect water samples for bacteria and turbidity.

Sincerely

Tom Charbonneau, P.E.
Regional Engineer
Drinking Water Section

TC:mp
enclosure(s)

cc: Dennis Allen, Yamhill County HD
Gene Clemens, Polk County HD
Judy Dixon, Sheridan, OR
Oregon Water Resources Dept.

bc: Fred Bolton
Mike Grimm
Dave Leland
John Straughan

File Appl. 66101

VICTOR ATIYEH
GOVERNOR

Department of Human Resources

HEALTH DIVISION

1400 S.W. 5th AVENUE, PORTLAND, OREGON 97201 PHONE

February 24, 1986

RECEIVED
FEB 26 1986
WATER RESOURCES DEPT
SALEM, OREGON

Mr. Don Miller
Senior Hydrogeologist
Ground Water Division
Water Resources Department
Mill Creek Office Park
555 13th Street N.E.
Salem, Oregon 97310

Re: W - Buell-Red Prairie Water Association

Dear Mr. Miller:

Recently, you sent information to this office regarding a proposal by the Buell-Red Prairie Water Association for recharging an aquifer which the Association uses for a water supply. The recharge is to be accomplished using nearby surface water and a recharge well located in the vicinity of a production well used by Buell-Red Prairie.

Our main concern with this proposal involves protection of the quality of the Buell-Red Prairie water supply. We believe that, at a minimum, the public water supply must be disinfected on a continuous basis for safety if recharge is started. Our other concern concerns operation, maintenance, and management of the recharge system. It is our experience that these systems require much maintenance to keep in operation. We encourage the Association to ensure that sufficient thought has been given to increasing capacity in more conventional ways, such as drilling additional wells.

If you have questions, please contact me.

Sincerely,

James R. Boydston, P.E., Manager
Drinking Water Section
Office of Environment and Health Systems

JRB:ld

cc: Buell-Red Prairie Water Association
Polk County Health Department

A 66101

378-8456

January 13, 1986

Jim Boydston, Section Manager
Drinking Water Systems
Environment and Health Systems
Health Division
1400 SW Fifth
Portland, OR 97201

Dear Jim:

I am writing in regards to an application before me for appropriation of surface water for the purpose of ground water recharge. Application 66101 of the Buell-Red Prairie Domestic Water Association of Sheridan (a community water system) seeks to inject water from Gooseneck Creek into a recharge well. That well is approximately 800 feet from one existing Association withdrawal well and 1700 feet from another Association withdrawal well. Recharged water will be a major portion of the withdrawal by the two Association wells in the future.

Analyses of water samples at the proposed point of diversion from a pond on Gooseneck Creek indicate that water quality will easily satisfy the inorganic and secondary contamination standards set by Health Division OAR. Analyzed Turbidity levels, however, are 1.0, 1.5 and 2.0 NTU. This suggests that tubidity levels will generally exceed 1 NTU in the proposed recharge water.

The recharge facility, as currented conceived, would consist of a gravity feed pipeline from the pond to the recharge well. A turbidity meter in the pipeline would automatically prevent recharge when turbidity reached pre-determined levels. If turbidity is low enough to allow recharge, chlorination of the water may occur prior to injection.

In writing a recharge permit, we attach certain terms and conditions. For water quality protection, we wish to condition the permit in such a manner that only high quality water is injected. In order to do that wisely, I need some assistance from the Health Division.

My questions to you are the following:

1. Do Health Division's OAR Chapter 333 apply to recharge water per se for a facility as mentioned? (I recently spoke with Joe Jensen about this.)

2. If they appply, do they apply for quality standards as a surface water or ground water source?

3. If they don't apply, would you say that chlorination of recharge water at these turbidity levels is worthwhile?

4. Do you have any other thoughts to aid in conditioning the permit for water quality assurance?

If I could hear from you within the week on these items, it would be greatly appreciated.

Sincerely,

DONN W. MILLER
Hydrologist

DWM:wpc
2066D

STATE OF OREGON INTEROFFICE MEMO

TO: LARRY JEBOUSEK, FRED LISSNER, FILE 66101 DATE: NOVEMBER 14, 1985

FROM: DONN MILLER DwM

SUBJECT: APPLICATION 66101 TO RECHARGE GROUND WATER BY THE BUELL - RED PRAIRIE DOMESTIC WATER ASSOCIATION

Pursuant to ORS 537.135, I am recommending that a permit be issued for the diversion of surface water to recharge the ground water source which is used by Wells 1 and 2 of the Buell-Red Prairie Domestic Water Association. Further, proposed special conditions of such diversion should be stated in the permit as follows:

1. recharge water must be excess to all surface rights except junior recharge rights,
2. the state watermaster for the district shall determine when excess waters are available in lieu of the Director (Commission),
3. recharge water must meet current Oregon Drinking Water Standards as prescribed by the Health Division,
4. recharge facilities must prevent the introduction of contaminants to the ground water supply.

My review of OWRD records and District records, as well as site inspection and conversations with the District's president, Larry Mueller, indicate that recharging will be a beneficial use of water. The District's wells without recharge have been fully stressed and insufficient for customers' needs since shortly after production started in 1980.

To meet its needs, the District obtained water from a neighboring District in 1981, 1982, and 1983. This water came at a cost which would have increased greatly had use via the intertie continued. During the winters of '83-84 and '84-85, Larry Mueller illegally, but effectively, recharged water in much the same manner as outlined in the application. District records show marked water level rebound with recharge in the wet season and very low water level conditions in the fall. Recharge has made the water supply from the District's wells adequate for the District's water needs. It is the view of Mr. Mueller and me that recharge as noted in the application will not allow expansion of the water district but only maintenance of it.

I intend to write to Mr. Mueller after permit issuance and advise him on data collection needs and techniques which I feel would be valuable in order for the District to eventually obtain a ground water withdrawal permit under ORS 537.135(3). Any recommendations I may make would be gratis in nature and not necessarily constitute the full extent of data needs required to provide information for the satisfaction of the Director as outlined by statute.

1219D

File
Appl. 66101

Boatwright Engineering Inc.
2613 12th ST SE. SALEM, OREGON 97302
civil engineers • land surveyors
(503) 363-9225

September 19, 1985

RECEIVED
SEP 27 1985
WATER RESOURCES DEPT
SALEM, OREGON

Buell-Red Prairie Domestic Water Association
6975 Red Prairie Road
Sheridan, Oregon, 97378

ATT: Mr. Larry Mueller, Chairman

REF: Associations Records on Groundwater Production and Groundwater Surface Elevation Information

Dear Larry,

As you can see by correspondance we have provided the Oregon State Water Resources Department information from our files as to Well No. 1 production and ground water levels and annual recharge and recovery. On September 5th, 1985, Jack Hills and I met with a representative of the Water Resources Department to determine the status of your requested ground water recharge program.

There was considerable discussion about base data being needed, however, we never got a definition as to what base data was! It is the position of the State, to date, that data is needed to clearly define that the ground water is declining and that the annual recharge (winter time) doesn't restore the storage within the acquifier. Much of the methodology by which ground water hydrologists calculate trends and ground water basin capacities are not available as the number of wells involved are few and the complete lack of observation wells don't allow for measurements of the ground water surface profile free of deviations caused by well pumping, etc..

After all our discussion back and forth and the disclosure that standard informational data was not available or could not be readily obtained, I have reached the conclusion that they feel that there is an indication of a mining problem (water removal exceeds annual recharge causing a declining water table within the acquifier) but they need more extensive data for confirmation.

I don't know what information you have on the production and ground water surface elevation profiles. It is important that you provide all available information to establish the natural rate of recharge and the amount of water withdrawn from the acquifier to develop the storage capacity, annual recharge and withdraw and water surface profile for the maximum number of years this information is of record.

We will run elevations between wells no. 1 and 2 and the Prope's well (proposed for recharge) to develop a correlation between the water surface elevations being observed.

I trust you can appreciate the resources departments need for verification that mining of the ground water exists. I have expressed that any approval on their part is conditional until we can prove, based on records to be kept, that ground water can be artificially recharged and recovered at the site and you are willing to proceed on that basis.

If you have any questions regarding the additional information needed, please call. I would think that a measurement of the water surface in the Prope's well would verify the ground water surface profile, free of fluctuations due to starting and stopping of the well pumps. If the water surface is below the bottom of Prope's well, all we will know if the well is dry is that the water surface level is below the bottom of the well. For your information the Prope's well is 80 feet deep.

Yours Truly,

M. G. Boatwright

Martin G. Boatwright, P.E.

cc: Mr. Larry Jebousek, Water Resources Department

RECEIVED
SEP 27 1985
WATER RESOURCES DEPT
SALEM, OREGON

Boatwright Engineering Inc.
2613 12th ST SE, SALEM, OREGON 97302
civil engineers • land surveyors
(503) 363-9225

August 7, 1985

RECEIVED
AUG 13 1985
WATER RESOURCES DEPT
SALEM, OREGON

Water Resources Department
Mill Creek Office Park
555 13th Street N.E.
Salem, Oregon 97310

ATT: Mr. Larry Jebousek, Administrator Water Rights Division

REF: Buell Red Prairie Ground Water Recharge Program

Dear Larry,

Thanks for your patience in our developing a program that will develop a system to determine the recovery rates of recharge water for the Buell-Red Prairie well system.

With the meters at each well and at each service throughout the system and the records of well production and ground water levels observed and recorded over the past 4 years, we have been able to determine many characteristics of the ground water acquifier and system demands for water.

This system is providing water to some 213 services and has user aggreements to provide water to some 30 member non-users in the future with a present consumptive demand for May through October of 6,454 gallons per service per month or 1,374,784 gallons per month and a water loss of 200,000 gallons per month or 14.5% of the sales. This equates to a continuous source of supply of 31.3 gpm.

Observations made on the Propes well, an artesian, and the Association's well at the time it was drilled with a static level of 11.5 feet clearly indicates the rate of recharge exceeds outlets to the aquifier at levels below 11½ feet. We have been able to develop through pumping records and ground water level monitoring that the annual rate of recharge of this small perched water aquifier is some 14 to 15 gpm. At this level of recharge the outlets to the perched basin below the ground surface have to be virtually non existant. Making the potential of recharge with high recovery virtually assured if the recharge doesn't exceed the ground level at the Propes well or 11½ feet at Well No.1 of the Association's.

We have prepared 3 graphs for 213 services, for your references that show Total Water Consumption - annually, Total Water Available, and Remaining Water Stored In Underground Aquifier. These graphs show that the perched water basin has a storage capacity of some 6 million gallons and will require a continuous average recharge rate of 35 gpm for 6 Winter months to maximize the storage yield potential of the basin. With shut off of recharge due to unacceptable turbidity levels due to storm run off, turbidity peak recharge rates are projected to be in the 100 gpm range with periods of shut off equal to 20% to 40% of the time for the 6 Winter months.

It is our opinion that the recharge-recovery can be effectively monitored with the existing equipment and a master meter on the recharge line to the Propes well. The total recharge can be monitored and recorded and the water level can be observed and recorded to ensure the level is at a maximum level at shut down June 1 of each year which would allow the association to serve some 260 services at their present rate of consumption. The recovery is easily calculated as the difference between total water pumped from Well No. 1 and that which would be available from 14.5 gpm, the natural annual rate of recharge.

I trust this brief explanation shows how the system can function and be monitored to produce the information you desire. If you have any questions give me a call.

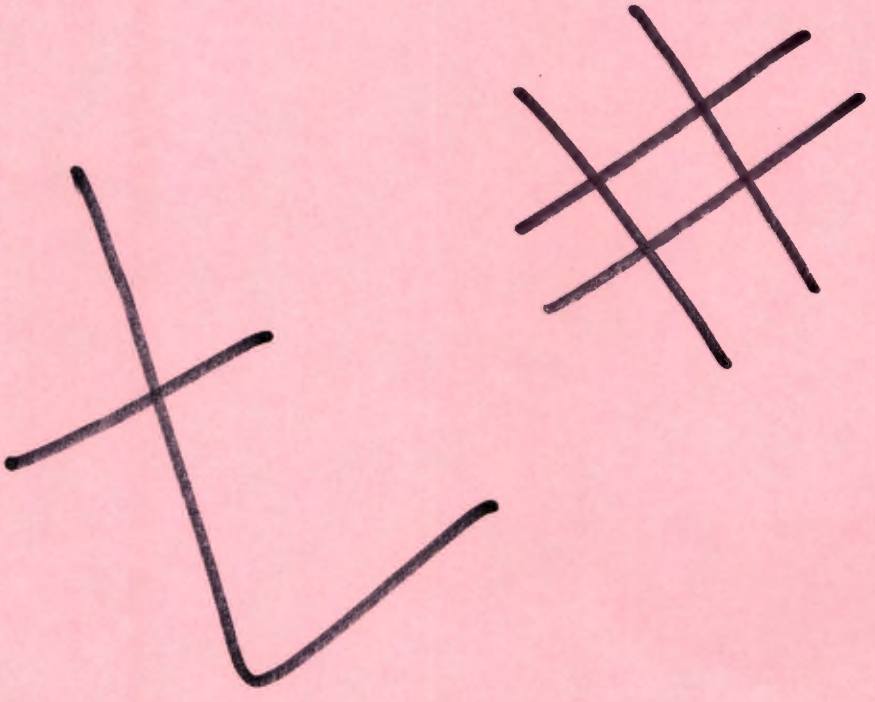
Yours Very Truly,

Martin G. Boatwright, P.E.

Enclosures: 3 Graphs

CC: Buell Red Prairie Water Association

MGB/bb



VICTOR ATIYEH
GOVERNOR

Water Resources Department

MILL CREEK OFFICE PARK
555 13th STREET N.E., SALEM, OREGON 97310 PHONE 378-8453

November 7, 1984

Martin G. Boatwright
Boatwright Engineering, Inc.
2613 12th Street SE
Salem, Oregon 97302

Dear Martin:

Reference: File 66101

We have been withholding action on the Associations ground water recharge application no. 66101, pending receipt of the information discussed with you on our telephone conversation September 13, 1984.

The two items of information required are: 1) ground water level measurements or meter records to substantiate the present ground water decline and 2) a proposal whereby the net actual recharge can be quantified through an approved testing method.

Upon receipt of this information we are prepared to process the application toward the issuance of a permit.

Sincerely,

Larry W. Jebousek, Administrator
Water Rights Division

LWJ:cle
cc: Buell-Red Prairie Domestic Water Association

RECEIVED
AUG 30 1984
WATER RESOURCES DEPT

Boatwright Engineering Inc.
2613 12th ST SE, SALEM, OREGON 97302
civil engineers • land surveyors
(503) 363-9225

August 27, 1984

Water Resources Department
Mill Creek Office Park
555 13th Street N.E.
Salem, Oregon 97310
Attention: Mr. Fred Lissner

Ref: Buell Red Prairie Ground Water Exchange Program

Dear Fred,

This letter is written in behalf of the Buell Red Prairie Domestic Water Associations requesting conceptual approval and authorization to proceed with a ground water recharge and monitoring program on their well field located adjacent to Gooseneck Creek in Section 35, Township 6 South, Range 7 West of the Willamette Meridian Polk County, Oregon.

We have prepared a brief flow schematic depicting the major system components we discussed at the time of our joint field inspection with Larry Jebousek, Administrator of the Water Rights Division. Two copies of this schematic are enclosed for your reference.

The recharge plan is to recharge a well (by gravity) some 800 feet from Well No. 1 and 3,000 feet from Well No. 2 of Buell Red Prairie. Water will be pumped primarily from Well No. 1 for ultimate consumption within a domestic water system

The system will consist of the following principle units:

1. Screened submerged intake.

2. Supply line (4" PVC plastic pipe).

3. Turbidity Meter.

4. Electric valve at wired to operate by the turbidity meter allowing for discharge of excessive levels of turbidity back to Gooseneck Creek.

5. Return line to Gooseneck Creek.

6. Meter driven hyprochlorimeter to meter recharge water and prechlorinate water prior to recharge.

7. Chlorine contact chamber.

8. Screened, vented access to recharge well.

We are requesting conceptual approval to allow for recharging during, off irrigation demand periods, November through May. We will develop records of recharge and recovery rates for your information, allowing for the granting of water rights, after 3 to 5 years of records are available.

You still have on file the application we prepared in the initial phases of this project.

I trust the original application, subsequent water testing, Field inspection and the enclosed schematic of the proposed recharge system, is adequate for your authorization to proceed. If we can provide any additional information or assist you in any way give use a call.

Yours Truly,

Martin G. Boatwright

Enclosure: System Schematic

cc: Buell Red Prairie Domestic Water Association
Attention - Larry Mueller

MGB/bb

378-8453

December 5, 1983

Martin Boatwright, Engineer
2613 Twelfth Street SE
Salem, OR 97302

Dear Mr. Boatwright:

REFERENCE: File 66101, Buell-Red Prairie Domestic Water Association

This will acknowledge receipt of an application in the name of Buell-Red Prairie Domestic Water Association for a permit to appropriate 75 gallons per minute of water from Gooseneck Creek for ground water recharge, a map and the fee of $65 for which our Receipt 38400 was handed to Trevor Jones. This application has been filed as number 66101.

Approval of this application by issuance of a permit will not authorize use of any recharged ground water. That will have to be covered in a later application and permit. That application must be accompanied by evidence to show how much of the recharged water is available for withdrawal by their system in excess of that which would have been available without the recharge. It may be desirable or require period of testing and monitoring the project to document and quantify the available recharge before the application for use of the artificial recharge could be approved. Artificial recharge by injection into a rock aquifer requires some detailed effort and care if it is to be successful. We would be happy to work with you as you develop your plan for recharge including the proposal to test and monitor. This would enable us to consider them for approval quicker.

Some of the usual concerns involve the compatibility of the water and you would need chemical and biological analysis's of both.

We would expect you to also need a description of the ground water reservoir, including the amount of decline or dewatered zone as a basis to determine that it could be recharged. This data should cover the annual cycle as minimum.

We are also concerned that the nitrate-nitrogen concentration be monitored and probably no recharge allowed when the level exceeds 10 ppm, or when the turbidity exceeds 1 NTU. The recharge water will also have to be chlorinated or otherwise treated to disinfect to public drinking water standards. The means of accomplishing these should be included with the application.

TO: Wayne Overcash

FROM WATER RESOURCES DEPARTMENT
DAM SAFETY & WELLS DIVISION
555 13th Street N. E.
SALEM, OREGON 97310
PHONE (503) 378-8455

SUBJECT: Appl 66101

DATE: 11/18/83

FOLD

Wayne:

Subject application seeks to appropriate waters of Goosenecke Cr. to recharge ground water in T6S, R7W, S35. Before surface water is used to recharge, the nitrate-nitrogen concentration should be determined. At no time should water with a nitrate-nitrogen concentration exceeding 10 ppm be used for recharge. In addition, before the water is used for recharge the turbidity should be reduced to EPA public water supply standards of 1 NTU or less. After treating to reduce turbidity to this level the water must be chlorinated or otherwise treated to disinfect to public drinking water standards.

PLEASE REPLY TO → SIGNED Frederick L Lissner

DATE | SIGNED

SEND WHITE AND PINK COPIES WITH CARBON INTACT. PINK COPY IS RETURNED WITH REPLY



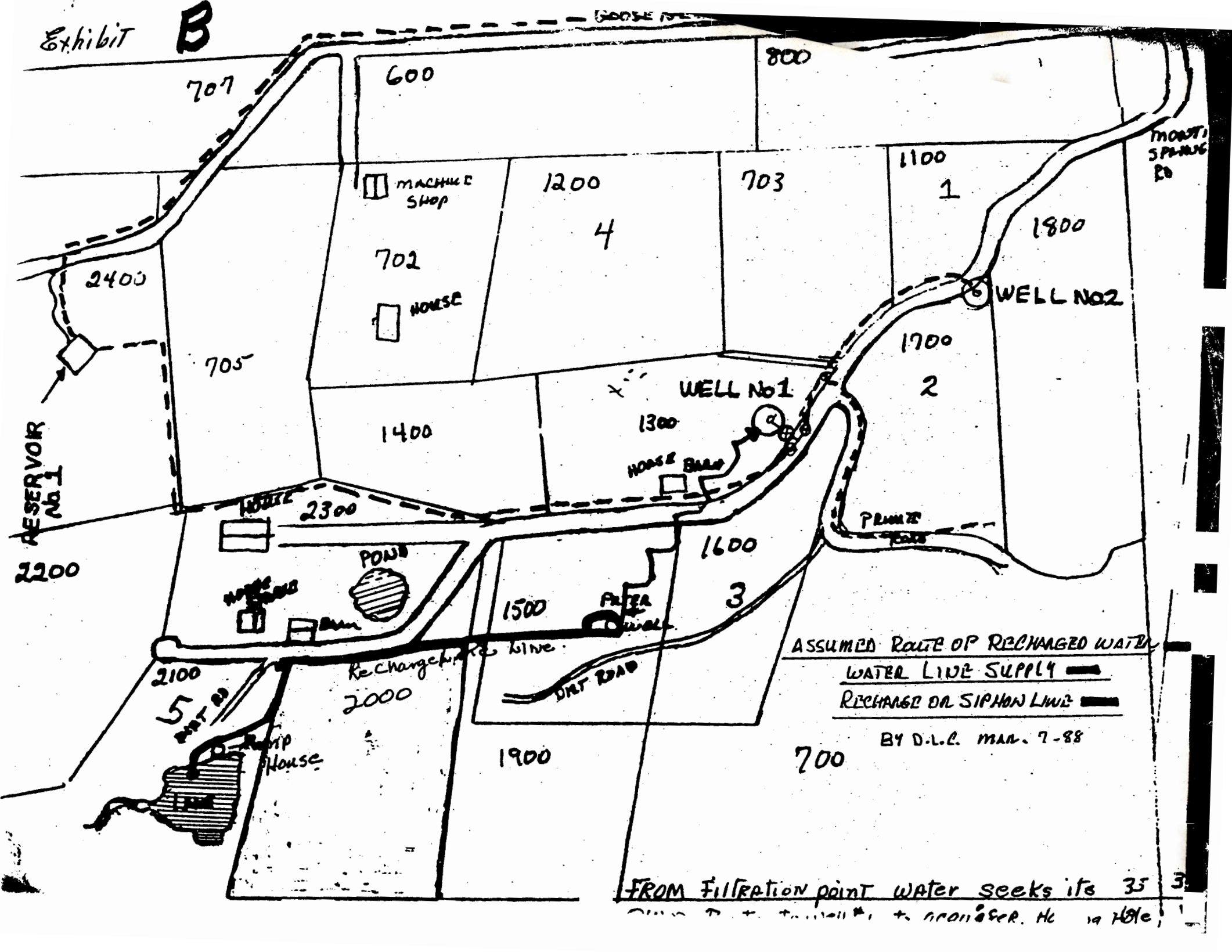


Exhibit B
GOOSE
707
600
800
MONTI SPRING RD
1100
1
1200
4
703
MACHINE SHOP
702
HOUSE
1800
WELL No2
2400
705
1700
2
WELL No1
1400
1300
HOUSE
BARN
RESERVOIR No 1
HOUSE
2300
PRIVATE ROAD
2200
POND
1600
3
1500
PATER WELL
Recharge Line
2100
5
DIRT RD
2000
DIRT ROAD
Pump House
1900
700
ASSUMED ROUTE OF RECHARGED WATER
WATER LINE SUPPLY
RECHARGE OR SIPHON LINE
BY D.L.C. MAR. 7-88
FROM Filtration point water seeks its 35

Oregon
John A. Kitzhaber, M.D., Governor

Water Resources Department
Commerce Building
158 12th Street NE
Salem, OR 97310-0210
(503) 378-3739
FAX (503) 378-8130

March 13, 2000

Mark Lyon
Buell Red Prairie Water District
Box 367
Sheridan, OR 97378

RE: Permit 51165

Dear Mark:

Enclosed are some items to assist you with future water analyses reporting for the recharge permit. I have included a summary of past reporting and a copy of the permit. It appears that there has been some misunderstanding.

Please contact me if you have questions (1-800-624-3199 x205).

Sincerely,

Donn Miller

Donn Miller
Hydrogeologist

Cc: File 66101

Sample Period	Total coliform	pH	Nitrate Nitroge	Total Dissolved Solids	Arseni	Bariu	admiu	hromiu	oppe	luorid	Iron	Lead	angane	Mercur	eleniu	Silver	Total Trihalomethan	Chlorofor (not on permit)	Bromodichloromet (not on permit)	Dibromochloromet (not on permit)	Bromofor (not on permit)	Spec Con (not on permit)
1991																						
Feb-91	**No Analyses Reported, Permit Issued 2/4/91**																					
Mar-91	**No Analyses Reported**																					
Apr-91	None	7	<0.1																			
May-91	None	7.4	<0.1																			
Jun-91				Recharge not allowed	No Analyses Required or Expected																	
Jul-91				Recharge not allowed	No Analyses Required or Expected																	
Aug-91				Recharge not allowed	No Analyses Required or Expected																	
Sep-91				Recharge not allowed	No Analyses Required or Expected																	
Oct-91	0	7.4	???																			
Nov-91	<1	7.1	<0.1	82	<0.005	<0.1	<0.005	<0.01	<0.1	<0.1	0.475	<0.005	<0.005	<0.001	<0.002	<0.01	Not Submitted					
Dec-91	<2	7.2	1.4																			
1992																						
Jan-92	0	7.1	<0.1	**No TDS Analyses Reported Twice Annually as Required**																		
Feb-92	2	7.2	<0.1	**No TDS Analyses Reported Twice Annually as Required**																		
Mar-92	0	7.3	<0.1																			
Apr-92	0	7.3	<0.1																			
May-92	0	7.4	<0.1																			
Jun-92	0	7.9	<0.1	**Recharge not allowed**	**No Analyses Required or Expected-Illegal Diversion?**																	
Jul-92	0	7.6	<0.1	**Recharge not allowed**	**No Analyses Required or Expected-Illegal Diversion?**																	
Aug-92	0	7.5	<0.1	**Recharge not allowed**	**No Analyses Required or Expected-Illegal Diversion?**																	
Sep-92	0	7.6	<0.1	**Recharge not allowed**	**No Analyses Required or Expected-Illegal Diversion?**																	
Oct-92	0	7.4	<0.1																			
Nov-92	0	7.4	<0.1																			
Dec-92	0	7.4	<0.1	**No Analyses Reported Annually as Required**----------																		
1993																						
Jan-93	0	7.1	<0.5	**No TDS Analyses Reported Twice Annually as Required**																		
Feb-93	<3	7.1	<0.5	**No TDS Analyses Reported Twice Annually as Required**																		
Mar-93	0	7.2	<0.1																			
Apr-93	0	7.3	<0.1																			
May-93	0	7.3	<0.1																			
Jun-93	8	7.8	<0.1	**Recharge not allowed**	**No Analyses Required or Expected-Illegal Diversion?**																	
Jul-93	0	7.9	<0.1	**Recharge not allowed**	**No Analyses Required or Expected-Illegal Diversion?**																	
Aug-93				Recharge not allowed	No Analyses Required or Expected																	
Sep-93				Recharge not allowed	No Analyses Required or Expected																	
Oct-93	**No Analyses Reported**																					
Nov-93	<0	8.2	<0.1																			
Dec-93	0	8.1	<0.1	**No Analyses Reported Annually as Required**----------																		

Samples from Recharge Well

Sample Period	Total oliform	pH	Nitrate Nitroge	Total Dissolved Solids	Arsenic	Barium	admiu	hromiu	oppe	luorid	Iron	Lead	angane	Mercur	eleniu	Silver	Total Trihalomethanes	Chlorofor	Bromodichloromet	Dibromochloromet	Bromofor	Spec Con
1994																						
Jan-94	0	8	<0.1	**No TDS Analyses Reported Twice Annually as Required**																		
Feb-94	0	8.1	<0.1	**No TDS Analyses Reported Twice Annually as Required**																		
Mar-94	**No Analyses Reported**																					
Apr-94	0	7.2	<0.1																			
May-94	0	7.2	0																			
Jun-94				Recharge not allowed No Analyses Required or Expected																		
Jul-94				Recharge not allowed No Analyses Required or Expected																		
Aug-94				Recharge not allowed No Analyses Required or Expected																		
Sep-94				Recharge not allowed No Analyses Required or Expected																		
Oct-94	**No Analyses Reported**																					
Nov-94	**No Analyses Reported**																					
Dec-94	**No Analyses Reported**			**No Analyses Reported Annually as Required**----------																		
1995																						
Jan-95	0	7.3	<0.1	55	N/A	N/A	N/A	N/A	N/A	<0.1	<0.01	<0.002	<0.005	<0.001	<0.002	<0.01	N/A	0.0126	0.0028	<0.0005	<0.0005	
Feb-95	0	N/A	<0.1?	**No TDS Analyses Reported Twice Annually as Required**																		
Mar-95	**No Analyses Reported**																					
Apr-95	0	7.1	<0.1																			
May-95	0	7.2	<0.1																			
Jun-95				Recharge not allowed No Analyses Required or Expected																		
Jul-95				Recharge not allowed No Analyses Required or Expected																		
Aug-95				Recharge not allowed No Analyses Required or Expected																		
Sep-95				Recharge not allowed No Analyses Required or Expected																		
Oct-95	**No Analyses Reported**																					
Nov-95	**No Analyses Reported**																					
Dec-95	<3.	7.7	<0.1																			
1996																						
Jan-96	0	7.8	<0.1		<0.002	<0.1	<0.002	<0.005	<0.01		**No Analyses Reported Annually as Required**-----							<0.0005	<0.0005	<0.0005	<0.0005	58.8
Feb-96	0	7.7	<0.1	**No TDS Analyses Reported Twice Annually as Required**																		
Mar-96	0	7.7	<0.1	**No TDS Analyses Reported Twice Annually as Required**																		
Apr-96	**No Analyses Reported**																					
May-96	**No Analyses Reported**																					
Jun-96				Recharge not allowed No Analyses Required or Expected																		
Jul-96				Recharge not allowed No Analyses Required or Expected																		
Aug-96				Recharge not allowed No Analyses Required or Expected																		
Sep-96				Recharge not allowed No Analyses Required or Expected																		
Oct-96	**No Analyses Reported**																					
Nov-96	**No Analyses Reported**																					
Dec-96	**No Analyses Reported**																					

Samples from Recharge Well

Sample Period	Total coliform	pH	Nitrate Nitroge	Total Dissolved Solids	Arsenic	Barium	cadmium	chromium	copper	fluoride	Iron	Lead	manganese	Mercury	selenium	Silver	Total Trihalomethanes	Chloroform	Bromodichloromethane	Dibromochloromethane	Bromoform	Spec Con
1997																						
Jan-97	**No Analyses Reported**			**No TDS Analyses Reported Twice Annually as Required**																		
Feb-97	**No Analyses Reported**			**No TDS Analyses Reported Twice Annually as Required**																		
Mar-97	**No Analyses Reported**																					
Apr-97	**No Analyses Reported**																					
May-97	**No Analyses Reported**																					
Jun-97				Recharge not allowed	No Analyses Required or Expected																	
Jul-97				Recharge not allowed	No Analyses Required or Expected																	
Aug-97				Recharge not allowed	No Analyses Required or Expected																	
Sep-97				Recharge not allowed	No Analyses Required or Expected																	
Oct-97	**No Analyses Reported**																					
Nov-97	**No Analyses Reported**																					
Dec-97	**No Analyses Reported**			**No Analyses Reported Annually as Required**																		
1998																						
Jan-98	**No Analyses Reported**			**No TDS Analyses Reported Twice Annually as Required**																		
Feb-98	**No Analyses Reported**			**No TDS Analyses Reported Twice Annually as Required**																		
Mar-98	**No Analyses Reported**																					
Apr-98	**No Analyses Reported**																					
May-98	**No Analyses Reported**																					
Jun-98				Recharge not allowed	No Analyses Required or Expected																	
Jul-98				Recharge not allowed	No Analyses Required or Expected																	
Aug-98				Recharge not allowed	No Analyses Required or Expected																	
Sep-98				Recharge not allowed	No Analyses Required or Expected																	
Oct-98	**No Analyses Reported**																					
Nov-98	**No Analyses Reported**																					
Dec-98	**No Analyses Reported**			**No Analyses Reported Annually as Required**																		
1999																						
Jan-99	<0.1	7	<0.1	**No TDS Analyses Reported Twice Annually as Required**																		
Feb-99	<0.1	7	<0.1																			
Mar-99	0	7	<0.1	86	<0.005	<0.1	<0.002	<0.005	<0.01	<0.1	<0.1	<0.002	<0.005	<0.001	<0.005	<0.01	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
Apr-99	0	7	<0.1																			
May-99	0	7.4	<0.1																			
Jun-99				Recharge not allowed	No Analyses Required or Expected																	
Jul-99				Recharge not allowed	No Analyses Required or Expected																	
Aug-99				Recharge not allowed	No Analyses Required or Expected																	
Sep-99				Recharge not allowed	No Analyses Required or Expected																	
Oct-99	**No Analyses Reported**																					
Nov-99	**No Analyses Reported**																					
Dec-99	0	7	<0.1																			
2000																						
Jan-00				90	<0.005	<0.1	<0.002	<0.01	<0.01	<0.1	<0.1	<0.002		<0.001	<0.002	<0.005	0.285	0.285	<0.0005	<0.0005	<0.0005	
Feb-00	0	6.9	ND																			
Mar-00																						
Apr-00																						
May-00																						
Jun-00				Recharge not allowed	No Analyses Required or Expected																	
Jul-00				Recharge not allowed	No Analyses Required or Expected																	
Aug-00				Recharge not allowed	No Analyses Required or Expected																	
Sep-00				Recharge not allowed	No Analyses Required or Expected																	
Oct-00																						
Nov-00																						
Dec-00																						

Samples from Recharge Well

STATE OF OREGON

COUNTY OF POLK

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

BUELL-RED PRAIRIE DOMESTIC WATER ASSOCIATION (ASSOCIATION)
6890 FRANK ROAD 503-843-2218
SHERIDAN, OREGON 97378

to use the waters of GOOSENECK CREEK, a tributary of MILL CREEK, for GROUNDWATER RECHARGE. The permit to use these waters is issued under Application 66101. The date of priority is JUNE 8, 1984. The use is limited to the period from October 1 through May 31, not more than 75.0 GALLONS PER MINUTE, and not to exceed 61.0 ACRE-FEET each recharge period/year, measured at the point of diversion.

The point of diversion is located as follows:

SE 1/4 SW 1/4, Section 35, T 6 S, R 7 W, W.M.; North 59 Degrees, 25 Minutes West, 1121 feet from S 1/4 corner Section 35.

The permittee shall appropriate water from Gooseneck Creek only when the following instream flows in cubic feet per second are maintained at the mouth of Gooseneck Creek:

OCTOBER	NOVEMBER THROUGH MAY
1.0	10.0

The water user shall install and maintain an in-line flow meter, weir, or other suitable device, of a type and at a location to be approved by the watermaster, for measuring or recording the above instream flows:

The use of water allowed under this permit shall conform to such reasonable rotation system as may be ordered by the proper state officer.

The place of use is the recharge well which is located as follows:

SW 1/4 SE 1/4
SECTION 35
TOWNSHIP 6 SOUTH, RANGE 7 WEST, W.M.

This permit is also subject to the following conditions:

1. Meters: The permittee shall meter the water withdrawn at the diversion and meter the water injected into the recharge well.

2. Records, inspections: The permittee shall keep accurate and current records of daily metered values, water levels and other operational information. The Water Resources Director (Director) may inspect the records and works covered by this permit upon one day notice and at any reasonable time.

3. Estimated data: When data are missing in whole or in part, the Director may make estimates from available data. Those estimates shall be reasonable and, where a range of uncertainty exists, conservatively low on water delivered to the place of recharge.

4. Water level monitoring: Once each year between April 1 and June 1, the permittee shall measure and record the depth to water below land surface in each of the following wells to 1 foot accuracy. Prior to the determinations, recharge and pumping shall be suspended by the permittee for at least seven days. Two of the wells are not controlled by the Association, however the permittee shall attempt to cooperate with the other owners to obtain these measurements.

Well Location	Common Name	Remarks
T6S/R7W-35db	Buell-Red Prairie #1	
T6S/R7W-35da	Buell-Red Prairie #2	
T6S/R7S-35dc	Recharge Well	
T6S/R7W-35ca	Mike Propes Well	Not controlled by Association
T6S/R7W-35db	Villager Well	Not controlled by Association

5. Target water levels in key wells: This permit designates two existing wells as key wells in the water level monitoring program. As determined between April 1 and June 1 of each year, actual water levels at these wells shall be compared to the target levels to determine allowable use as indicated under the allowable use of stored water condition. Key wells and associated target levels are:

Target Levels
(feet below Land Surface Datum)

Well Location	Common Name	Upper	Lower
T6S/R7W-35db	Buell-Red Prairie #1	25	125
T6S/R7W-35dc	Recharge Well	0	50

6. Storage account for the determination of stored recharge water: The Water Resources Department (WRD) shall make final determinations on stored groundwater. This shall occur through a storage account which covers this permit. The storage account shall be based on recharge and secondary permit withdrawals over only the preceding five recharge years. For this permit, the recharge year is the period from June 1 through May 31 of each year. It shall be credited at 80% of water metered to the place of recharge. Withdrawals of stored water shall be debited at 100% of metered values at wells covered by a secondary permit(s). The debit applies to that portion of withdrawals which are in excess of the permittee's natural water pumpage of 5 million gallons annually under Permit G-8748. The permittee may obtain information on the storage account from the WRD by submitting a written request.

7. Allowable use of stored recharge water: The availability of recharge water stored under this permit is based on the priority of secondary groundwater rights and the allowable use of stored recharge water. The allowable use of stored recharge water during any water year falls into 3 categories. For ease of reference, these categories are named as color zones.

(A) Green zone: If recent water levels as determined between April 1 and June 1 at the two (2) key wells are above the upper target levels, use is allowed up to the maximum of the storage account.

(B) Yellow zone: If neither Green zone nor Red zone water levels prevail, use is allowed up to 80 percent of the recharge volume for the preceding 12 months.

(C) Red zone: If recent water levels as determined between April 1 and June 1 at two (2) key wells are below the lower target levels, no use of recharged water is allowed the following recharge year.

8. Permit assignment: A potential assignee shall prove, to the Director's satisfaction, the financial capability to construct uncompleted portions of, and operate, the project authorized by the permit.

9. Mitigating unforseen effects:

(A) If, under actual operation of the recharge project, the Director notifies the permittee that the Director has reason to believe there are adverse groundwater quantity or quality effects, the permittee shall cease recharge activities. No further diversion shall be made until measures to prevent, correct or monitor those adverse effects have been agreed to and implemented.

(B) If, in the judgement of the Director, project performance or other hydrologic circumstances indicate that provision(s) in this permit are an unnecessary hardship, or are either inappropriate or inadequate to monitor or manage the quantity or protect the quality of the groundwater resource, the Director may modify target water levels, key wells, the storage account credit factor, the storage account, or any other term of this permit as necessary to remedy the deficiencies.

10. Technical oversight: The construction and operation of the recharge project shall be overseen by a professional registered civil engineer(s) licensed to practice in Oregon.

11. Other state or federal agency requirements:

The following conditions are notices of requirements of other Oregon state agencies. The permittee shall correspond directly with each agency regarding monitoring, reporting and any other requirements. Reports shall only be submitted to the requiring agency, unless otherwise specified herein.

The WRD will enforce these conditions in a manner similar to other conditions in this permit but only upon notice of noncompliance and request for enforcement from the responsible agencies.

Conditions 11(A) and (B) shall remain in effect unless and until WRD receives a written agreement signed by the permittee and responsible agencies to modify the conditions.

(A) The permittee shall comply with the requirements of the Oregon State Health Division.

(B) The permittee shall provide appropriate groundwater quality protection as specified by the Oregon Department of Environmental Quality (DEQ). The DEQ monitoring and sampling plan for this project was submitted to the WRD by letter of January 18, 1991, and is, by reference, included as part of this permit.

12. Water conservation program: Within one year from the date the Water Resources Commission adopts rules describing the schedules, standards and procedures for water management plans by water suppliers, the Association shall submit a plan which is consistent with the rules.

13. Annual and other reports:

(A) The permittee shall submit an annual report to the WRD and any secondary permittee by June 15 of each year. That report shall include the range of diversion and recharge rates and total quantities diverted and recharged during the prior recharge year (ending May 31) as metered under conditions 1, 2, and 3. In addition, the report shall include the water level data from condition 4, the permittee's estimate of the storage account under condition 6, a brief narrative describing operational factors related to the recharge project and conditions 8, 9, 10, 12, and a list of the dates of any reports submitted to other agencies under condition 11.

(B) The permittee shall submit, as scheduled, any reports required by other agencies as specified under condition 11.

The wells shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works constructed shall include an air line and pressure gauge or an access port for measuring line, adequate to determine water level elevation in the well at all times.

This development was reviewed and approved by the Water Resources Commission on FEBRUARY 1, 1991.

Actual construction work shall begin on or before February 4, 1992 , and shall be completed on or before October 1, 1992. Complete application of the water to the use shall be made on or before October 1, 1993.

This permit is for the beneficial use of water without waste. By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

Issued this date, FEBRUARY 4, 1991.

William H. Young

Water Resources Department
William H. Young
Director

RECEIVED
JAN 22 1991
WATER RESOURCES DEPT.
SALEM, OREGON

Oregon

DEPARTMENT OF ENVIRONMENTAL QUALITY

January 18, 1991

Donn Miller, Hydrogeologist
Water Resources Department
3850 Portland Road NE
Salem, OR 97310

Re: Buell-Red Prairie Water Association Recharge Project
Polk County

Dear Mr. Miller:

This will refer to the proposed Buell-Red Prairie Water Association aquifer recharge project permit that the Water Resources Department (WRD) is considering for issuance. The recharge project consists of a surface water diversion pond, water treatment system and a recharge well. Buell-Red Prairie plans to divert water from the Gooseneck Creek to a sand filter and disinfection treatment system. About half of the treated water will be routed to the existing water supply distribution system and the other half will be injected into an existing recharge well. Stored water will be withdrawn from a nearby well which supplies the Buell-Red Prairie domestic water distribution system.

In order to protect the recognized beneficial uses of the groundwater in the area, it is the Department's opinion that an adequate monitoring and sampling plan should be included in the proposed permit.

The draft of the monitoring and sampling plan has been discussed during the meeting with the officers of Buell-Red Prairie Water Association, Mr. Edward Butts, consultant of the association, DEQ and WRD on December 17, 1990. It was agreed that the monitoring and sampling plan be incorporated in the proposed water appropriation permit. In a subsequent discussion with you and Mr. Edward Butts, other minor changes in the monitoring plan were made.

811 SW Sixth Avenue
Portland, OR 97204-1390
(503) 229-5696

As provided in the Memorandum of Agreement between DEQ and WRD, a groundwater recharge project does not need a separate DEQ water quality permit. Any concerns on water quality can be addressed in the water appropriation permit that will be issued by WRD.

Therefore, we recommend that the attached monitoring and sampling plan be incorporated in the Buell-Red Prairie Water Association recharge project water appropriation permit.

If you have any further questions, feel free to call me at 229-5876.

Sincerely,

Rene C. Dulay
Industrial Waste Specialist
Water Quality Division

RCD:crw
IW\WC7700
Enclosure
cc: Charles K. Ashbaker, DEQ
Willamette Valley Region, DEQ

MONITORING AND SAMPLING PLAN

1. Unless otherwise agreed in writing by the Water Resources Department, data collected, and submitted shall include but not necessarily be limited to the following parameters and minimum frequencies:

Recharge Well

Item or Parameter	Minimum Frequency*	Type of Sample
Total Coliform	Monthly	Grab
Nitrate (as N)	Monthly	Grab
pH	Monthly	Grab
Total Dissolved Solids	2 per year	Grab
Inorganic Chemicals		
Arsenic	Annual	Grab
Barium	Annual	Grab
Cadmium	Annual	Grab
Chromium	Annual	Grab
Copper	Annual	Grab
Fluoride	Annual	Grab
Iron	Annual	Grab
Lead	Annual	Grab
Manganese	Annual	Grab
Mercury	Annual	Grab
Selenium	Annual	Grab
Silver	Annual	Grab
Total Trihalomethanes	Annual	Grab

* Water shall be sampled for the required analyses at the point of injection at the recharge well.

2. Water to be recharged shall be analyzed for organic chemicals and regulated volatile organic compounds (VOC) in the frequency required by the Drinking Water Section of the Oregon Health Division. The data shall be submitted to the Water Resources Department within 45 days after sampling of the recharge well.

3. Recharge activities shall cease when any of the following conditions occur during the injection of treated water to the recharge well:

   a. Nitrate level of recharge water exceeds 5.0 mg/l.

   b. Total coliform shall not exceed <1/100 ml**.

   c. Concentration of any of the Inorganic Chemicals in the recharge water exceeds one half (1/2) of the Safe Drinking Water Standard Maximum Contaminant Levels.

   d. pH shall be within the range 6.5 - 8.5.

   e. Any of the Organic Chemicals or Volatile Organic Compounds is detected in the recharge water using approved analytical procedures under the Safe Drinking Water Act.

   ** Total coliform analyses are to be conducted using the 10-tube Multiple Tube Fermentation (MTF) Technique.

   Recharge activities shall resume only if contaminant levels as specified in Item 3 are not exceeded or if measures to prevent, correct and/or monitor any adverse groundwater quality or quantity effects have been agreed to and implemented.

4. The permittee shall submit the data required by the Health Division in monitoring of organic chemicals for community water systems.

Oregon
John A. Kitzhaber, M.D., Governor

Water Resources Department
Commerce Building
158 12th Street NE
Salem, OR 97310-0210
(503) 378-3739
FAX (503) 378-8130

July 6, 1998

BUELL RED PRAIRIE WATER DIST
6430 RED PRAIRIE RD
SHERIDAN OR 97378

REFERENCE: File 66101

We have received your notice that complete application of water has been made under Permit 51165.

At a future date you will be mailed a proposed certificate of water right covering the actual use of water as found by our Inspector. Any use described in the permit that was not made will not be included in the certificate.

In the meantime, the permit you hold is valid evidence of your right so long as you continue to use the water.

If you have any questions, please contact the Water Rights Section at 378-3739, or toll-free within Oregon 1-800-624-3199.

Sincerely,

DALLAS MILLER
Natural Resource Specialist 2

DM:jh

cc: Bill Ferber, Watermaster

RECEIVED
JUL 01 1998
WATER RESOURCES DEPT.
SALEM, OREGON

Form C (690—9-77)

IMPORTANT—This form is a notice to the Water Resources Director that permittee is ready to make **final proof** to the extent to which the water has actually been applied to the intended use under the terms of the permit. Permittee is cautioned that Certificate of Water Right will be issued based on the extent of the quantity and use as determined by the **final proof** inspection and survey which will be made in response to the filing of this Form C.

NOTE: In the case of an irrigation permit, this Form C should not be mailed to the Water Resources Department until all of the land described in the permit, which it is intended to irrigate under this permit at any time, has actually been irrigated.

Fill out, detach and mail to the Water Resources Department, Salem, OR 97310, when all of the water has been applied.

Application No. ~~S[illegible]~~ 66101

NOTICE OF COMPLETE APPLICATION OF WATER TO A BENEFICIAL USE

I, Quell Red Prairie Water District, the holder of Permit No. S1165

to appropriate the public waters of the state of Oregon, completely applied the waters to a beneficial use in accordance with the terms of said permit, on the 1 day of July, 19 98

Remarks: all water has been used to limits of permit

IN WITNESS WHEREOF, I have hereunto set my hand this ~~26~~ 1 day of ~~June~~ July, 19 98

Mark A Mulkey Chairman.
(Signature of Applicant)

(Address)

Form B (690—9-77)

Application No. ~~S[illegible]~~ 66101

NOTICE OF COMPLETION OF CONSTRUCTION

I, Quell Red Prairie Water District, the holder of Permit No. S1165

to appropriate the public waters of the state of Oregon, completed the construction of the works described therein on the 26 day of June, 19 98

Remarks: staff gauge installed & construction of Water Works

If the works have less capacity than described in the permit, or you have definitely abandoned part of the proposed development, you should so state in order that our records may not be unnecessarily encumbered.

RECEIVED
JUL 01 1998
WATER RESOURCES DEPT.
SALEM, OREGON

IN WITNESS WHEREOF, I have hereunto set my hand this 1 day of July, 19 98

Mark A Mulkey Chairman
(Signature of Applicant)

(Address)

Fill out, detach and mail to the Water Resources Department, Salem, OR 97310, when construction work is completed.

Janet

Please

set-up survey

DSM

66101 File

Oregon
John A. Kitzhaber, M.D., Governor

Water Resources Department
Commerce Building
158 12th Street NE
Salem, OR 97310-0210
(503) 378-3739
FAX (503) 378-8130

July 28, 1998

Mark Lyon, Manager
Buell Red Prairie Water District
6430 Red Prairie Road
Sheridan, Oregon 97378

Re: Approval of Water Management and Conservation Plan - Permit S-51165

Dear Mr. Lyon:

Congratulations on completion of the Water Management and Conservation Plan for the Buell Red Prairie Water District. We approve of your plan and believe it will be useful to you for years to come. Thank you for your cooperation in the preparation and implementation of it.

This plan meets the guidelines established by our rules as submitted with no additional conditions. A plan update will not be required unless: 1) the District requires an additional source of water; 2) service connections exceed 300; 3) there is a concurrent need for a System Master Plan (if required by Health Division); or 4) the District is absorbed by another entity.

Again, thank you for all your efforts and hard work. If you have any questions regarding this matter please feel free to contact Bill Fujii of our staff at 378-8455, ext. 254.

Sincerely,

Martha O. Pagel
Director

c: Tom Paul
Bill Ferber
Dick Bailey
Water Right Permit #S-51165

interoffice
MEMORANDUM

To: Application File S-66101

From: Bill Ferber - Watermaster 16

Subject: Rating Curve for Gooseneck Creek

Date: April 22, 1998

April 22, 1998 I discussed Application File S-66101 with Dave Jarrett, previous watermaster for District 16. The discussion was about the permit condition requiring measuring or recording instream flows. Dave said that a rating curve was not created due to the fact that the staff plate was stolen and never replaced. Some measurements have been made on Gooseneck Creek at the Highway 22 bridge. These measurements are classified as miscellaneous measurements since the measured discharge could not be tied to a gage height. Dave said he did inform Buell-Red Prairie Domestic Water Association that the staff plate would need to be reinstalled before a rating curve could be developed.

4/1/98 Met w/Don Miller, Jim Schulte, according to RECORDS may have complied construction & application of water be B-C dates, Jim will check, if that is the case will send B-C form, in which case we will not need an extension. Can return & refund.

Another meeting will be set up with Dist, Rep & Don Miller, Watermast to see if conditions satisfied.

If B-C date met will set-up for survey.

4-20-98 Met w/DonM., Jake, Mark Lyons, Jim Schulte, Mark ?, Bill Ferber

Determined CONDITIONS BEING met for the most part. Bill F. will check to see if withdrawal from Goosecreek at CERTAIN levels is verifiable. If it is B-C form can be turned & no extension Required. If not maybe extension necessary to include measuring within C date.

[illegible] of mining

14662 [illegible] fee

Oregon
John A. Kitzhaber, M.D., Governor

Water Resources Department
Commerce Building
158 12th Street NE
Salem, OR 97310-0210
(503) 378-3739
FAX (503) 378-8130

January 25, 1999

Buell-Red Prairie Domestic Water District
6430 Frank Road
Sheridan, OR 97378

RE: Permit 51165, Application File 66101

Dear Sirs:

I am writing to alert you of a well registration requirement that you have under the EPA's Underground Injection Control Program (UIC). That requirement applies to the recharge well that is cited in the captioned recharge permit. Requirements of other agencies, such as this, become required under the recharge permit per condition 11. The registration document is not lengthy but needs to be submitted in 1999.

The Oregon Department of Environmental Quality (DEQ) operates the UIC program in Oregon. Information on this matter can be obtained from DEQ's UIC Coordinator, Barbara Priest. Her number is (503) 229-5945 and her email is Priest.Barbara@deq.state.or.us. Barbara has established an internet address for the UIC program and its registration forms. It is http://waterquality.deq.state.or.us/wq/groundwa/UICHome.htm. Enclosed are the registration form and fact sheets that are obtainable over the internet.

Please send a copy of your registration filing to this agency, noting the permit and application numbers. Otherwise, please contact Barbara if you have questions.

Sincerely,

Donn Miller
Hydrogeologist

Enclosures

c: Application File 66101
Barbara Priest

STATE OF OREGON
Water Resources Department
158 12th St. N.E.
Salem, OR 97310

MEMORANDUM DATE: 10/24/97

TO: Dallas Miller

FROM: Donn Miller, Hydrogeologist

SUBJECT: Extension of Time on Permit 51165

This permit has many conditions which could prove difficult and confusing for the permittee. The permittee's reporting under the terms of the permit has been highly deficient. Diversion has exceeded allowable limits and minimum streamflows are probably not been monitored. I assume that these problems are the unintended results of the permittee's lack of attention to details of the permit and lack of regulatory oversight.

I have reviewed the file and spoken with staff to reach the following conclusions:

1. Water quality reporting during each year has neglected to provide all of the required analyses,

2. Annual recharge reporting lacks the required detail,

3. There is no confirmation that the district has installed the needed flow measuring device on Gooseneck Creek to allow the district to know if flow is sufficient to allow recharge diversions, and

4. Illegal diversion has occurred beyond the permitted provisions.

Therefore, I recommend that we meet with the permittee and discuss what is expected henceforth before we consider any extension of time.

Date: Fri, 17 Oct 1997 11:49:51 -0700 (PDT)
X-Sender: millerds@mailhub.wrd.state.or.us
X-Mailer: Windows Eudora Light Version 1.5.4 (16)
To: Donn.W.MILLER@wrd.state.or.us
From: Dallas Miller <Dallas.S.MILLER@wrd.state.or.us>
Subject: file 66101

Donn, we have a couple of requests from Buell-Red Prairie Water for extension of permit 51165. We wrote them back in '93 that we needed info regarding the permit conditions related to re-charge. The permittee then submitted some info. I need to know if its sufficient to issue an extension of the time limits.

Oregon

WATER
RESOURCES
DEPARTMENT

February 15, 1994

BUELL RED PRAIRIE WATER DISTRICT
6430 RED PRAIRIE RD
SHERIDAN OR 97378

REFERENCE: Files 66101, G-9326, T-6287, and T-6291

We have received your annual report and proof of financial capability.

The assignment of Permits 51165 and G-8748, and Transfers 6287 and 6291 from Buell Red Prairie Domestic Water Association to you have been recorded in the records of the Water Resources Department. Our records have been changed accordingly and the original assignments are enclosed.

Our receipts number 106397, 106395, 106394, and 106396 covering the $40 recording fee were handed to you in our office on October 29, 1993.

Sincerely,

THOMAS E. SHOOK
Water Rights Specialist

TES:jh

enclosure

cc: Buell Red Prairie Domestic Water Association

3850 Portland Rd NE
Salem, OR 97310
(503) 378-3739
FAX (503) 378-8130

STATE OF OREGON
WATER RESOURCES DEPARTMENT
3850 PORTLAND ROAD NE
SALEM, OR 97310
378-8455/378-8130 (FAX)

RECEIPT # 106397

RECEIVED OVER THE COUNTER

RECEIVED FROM: Buell Red Prairie
BY: Water Assoc

APPLICATION	106101
PERMIT	
TRANSFER	

CASH: ☐ CHECK: # ☒ 1244 OTHER: (IDENTIFY) ☐

TOTAL REC'D $ 40.00

01-00-0 WRD MISC CASH ACCT

842.010	ADJUDICATIONS		$
831.087	PUBLICATIONS/MAPS		$
830.650	PARKING FEES Name/month		$
	OTHER: (IDENTIFY)		$

REDUCTION OF EXPENSE

CASH ACCT.

COST CENTER AND OBJECT CLASS VOUCHER # $

03-00-0 WRD OPERATING ACCT

	MISCELLANEOUS:		
840.001	COPY FEES		$
850.200	RESEARCH FEES		$
880.109	MISC REVENUE: (IDENTIFY)	ax Alignment	$ 10.00
520.000	OTHER (P-6) (IDENTIFY)		$

		EXAM FEE		RECORD FEE
	WATER RIGHTS:			
842.001	SURFACE WATER	$	842.002	$
842.003	GROUND WATER	$	842.004	$
842.005	TRANSFER	$	842.006	$
	WELL CONSTRUCTION	EXAM FEE		LICENSE FEE
842.022	WELL DRILL CONSTRUCTOR	$	842.023	$
	LANDOWNER'S PERMIT		842.024	$
	OTHER (IDENTIFY)			

06-00-0 WELL CONST START FEE

842.013	WELL CONST START FEE	$	CARD #	
	MONITORING WELLS	$	CARD #	

45-00-0 LOTTERY PROCEEDS

864.000	LOTTERY PROCEEDS	$

07-00-0 HYDRO ACTIVITY

		LIC NUMBER	
842.011	POWER LICENSE FEE(FW/WRD)		$
842.115	HYDRO LICENSE FEE(FW/WRD)		$
	HYDRO APPLICATION		$

RECEIPT # 106397 DATED: 10/29/93 BY: Shelly Wells

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

Oregon

WATER
RESOURCES
DEPARTMENT

January 12, 1994

BUELL-RED PRAIRIE DOMESTIC WATER ASSOCIATION
6975 RED PRAIRIE ROAD
SHERIDAN, OR 97378

REFERENCE FILE: 66101

We have been holding action on granting your extensions of time requests pending receipt of the information given in my letter of November 9, 1993. A copy of the letter is enclosed.

To date, we have not received any of the information.

Under the terms of your permit 51165, the project was to have been completed by October 1, 1993. Unless we receive the reports, the validity of the permit will be in jeopardy.

Further action will be withheld on your file for 60 days pending your reply.

Sincerely,

Thomas E. Shook
Water Right Specialist

cc: Buell Red Prairie Water District

3850 Portland Rd NE
Salem, OR 97310
(503) 378-3739
FAX (503) 378-8130

EXTENSION CHECKLIST

FILE DOCUMENT - FOR OFFICE USE ONLY

APPLICATION NO: 66101 PERMIT NO: 51165

DATE: 9-8-93

1. What service area or base was anticipated by the applicant at the time the permit was granted?

2. What water right development steps has the permittee completed to date?

3. Is the permittee currently meeting all conditions of the permit?

4. What is the current use of water under the permit?

5. What percent of the total allowable use under the permit does the current use represent?

6. Have there been any unforseen events (over which the permittee has no control) which could reasonably have delayed development under the permit?

7. Has there been any change in the market for either water or power since the permit was granted which could have affected the development program under the permit?

8. Has there been any change in demand for water or power since the permit was granted?

9. If the extension request is denied, is the current level of water use under the permit economically feasible?

10. Is there an alternate source of water available at this time?

11. Has use of water under the permit caused an adverse impact on the surface/ground water resource in the area?

12. Have there been claims of injury to other water right holders or water users in the area?

REMARKS:

9-8-93 TELEPHONE DISCUSSION WITH C.W.C.D. E. DAVIS.

1. RECHARGE SYSTEM COMPLETE EXCEPT FOR DEQ TREATMENT FACILITY REQUIREMENT.
2. MONEYS SHORT: PLAN TO SELL BONDS & SYSTEM SHOULD BE DONE BY '94
3. NEW NAME: BUELL RED PRAIRIE WATER DISTRICT
4. HE WILL DISCUSS "B" EXT ⇒ '93 "BC" EXT ⇒ '94 PLUS $100

Oregon

WATER
RESOURCES
DEPARTMENT

November 9, 1993

BUELL RED PRAIRIE DOMESTIC WATER ASSOCIATION
6430 RED PRAIRIE RD
SHERIDAN, OR 97378

REFERENCE FILES: 66101, G-9326, T-6287, AND T-6291

We have received your check in the amount of $40 along with requests to assign permits 51165, G-8748, and transfers 6287 and 6291.

There are a couple of conditions for permit 51165, which allows not to exceed 61 acre feet of water from Gooseneck Creek between October 1 and May 31 for groundwater recharge, that have not been met. Item 13 of the permit requires you to submit an annual report by **June 15**. To date, that information has not been received.

Item 8 requires proof of financial capability.

Upon receipt of this satisfactory information, our records will be changed.

Sincerely,

Thomas E. Shook
Water Right Specialist

3850 Portland Rd NE
Salem, OR 97310
(503) 378-3739
FAX (503) 378-8130

Oregon

WATER
RESOURCES
DEPARTMENT

March 16, 1992

Buell-Red Prairie Domestic Water Assoc.
6890 Frank Rd
Sheridan, OR 97378

Dear Board Members,

Under the terms of water use permit 51165 covering your diversion of surface water to recharge a groundwater aquifer, the district was mandated to monitor the flows of Gooseneck Creek. Part of that monitoring included the installation of a measuring device near the mouth of Gooseneck Creek. To date, I have not seen any evidence that you are measuring the stream or that you have installed a measuring device. Failure to comply with the conditions of the permit can lead to cancellation.

I attached a portion of the permit and highlighted the clauses which require you to monitor the flow in Gooseneck Creek. You are responsible for the installation and maintenance of the gage and the measurement of the stream. Without the monitoring, you cannot legally divert surface water for the recharge project. You should notify this office immediately about this matter.

Sincerely,

Dave Jarrett

Dave Jarrett
Watermaster, District 16

cc: File 66101
Ed Butts

3850 Portland Rd NE
Salem, OR 97310
(503) 378-3739
FAX (503) 378-8130

BUELL-RED PRAIRIE WATER ASSN.
6890 Frank Rd.
Sheridan, Oregon 97378
Tel. 843-2218

Department of Water Resources
3850 Portland Road, N.E.
Salem, OR 97310
William H. Young, Director

June 13,1991

Re: Permit Application #66101, Buell-Red Prairie Water Association

Dear Sir:

It has been brought to our attention that we do not have enough water in our recharge storage system at this time to take care of our needs for the next 4 months without additional water being recharged. As provided in section 11, Para. 3 of above permit, we are asking to modify the terms and conditions of this permit and agreement to allow us to recharge the storage area during the months of July and August, 1991. We are basing this request on the following facts.

1. This past season we were not able to recharge the well at our anticipated rate of 75 G.P.M. until approximately February 5, 1991, when a new pump and intake system was brought on line.

2. The extremely cold weather of December/January caused many customers to suffer frozen pipes both inside and outside their residences, resulting in a very large loss of our stored water.

3. We have been delayed in implementing the direct input of water into our service lines as the requested Pilot Study has been progressing much slower than anticipated. We have had several trials and failures in getting the right combination of equipment and material to produce the desired results for our slow sand filtration plant.

In summary, adequate water is presently available from our lake. We have not used the total quantity of water allowed by our permit. We feel the foregoing request is reasonable. It is in keeping with the intent and spirit of our permit and our obligation to provide the customers with the water necessary to protect their health and provide for their well-being.

Sincerely Yours,

Buell-Red Prairie Water Association.

John F. Kumley
By John F. Kumley, V. Chr. Board

Neoma Reynolds
Neoma Reynolds, Sec. Board

225 S. E. Walnut Ave.
Dallas, OR 97338
February 1, 1991

Water Resources Department
3850 Portland Road NE
Salem, OR 97310

Re: Buell-Red Prairie Domestic Water Association
Groundwater recharge application

Testimony

My testimony will be primarily a history of this project for your information. I would welcome questions that you may have.

We purchased the property in the early 60's where Mt. Springs Dam and Lake are located as well as the wells that will be used for the recharge application by the Water Association.

My husband and I owned and operated a small construction company working over the Northwestern States on many rural projects. Some of these were on Dams, roads and other infrastructure projects. My husband was and is very knowledgeable about construction projects that require clearing, dirt moving and compaction. We also worked very closely with several engineers.

After purchasing the property we improved the pasture land, buildings, tree stand and perimeter fencing. My husband early on recognized the importance of having water storage to allow irrigation as well as to improve the condition of the creek flow, not only in the summer, but to help control erosion in the winter on the downstream areas. With consultation and help from Polk Soil and Water Conservation, PGE for necessary preliminary engineering for the irrigation systems and others, he constructed two water storage small lakes. The first was in a swamp area that he opened and deepened to catch and store the water from some spring areas. The second was constructed on Gooseneck Creek in two stages. We were only able to do this because of his particular expertise and willingness to invest considerable time and money in the projects.

Our entire family worked on the project and our son Mike Propes not only helped on the actual construction of the project running the tractors, scrapers, grader, backhoe and other equipment, but he has been active in the management of the system since it was built.

We obtained all the necessary permits and complied with all the requirements necessary to build these storage reservoirs. We met with the Water Resources Department many times. We received permission to place the dam on Gooseneck Creek from the Fish and Wildlife Department. All of this project was on our property.

We managed and maintained the reservoirs and protected the water supply at all times. In addition we stocked both reservoirs with fish.

In the 70's it became apparent many people in the area were having some problem with their water supplies, either from springs or wells. During this time we had a business associate who was a geologist and he prepared some information for us that indicated we had an excellent underground water supply. We had drilled several wells on our property as well as building the lake. They all were good producers. We irrigated out of one of them prior to completion of the lake irrigation.

During the 70's when the area began planning a water supply to furnish the people of the area we talked with Boatwright Engineering that we would be interested in hooking onto their system and in the event of an emergency, fire, etc. they could possibly use water from the lake. They were pursuing several possibilities for water. After several years it became apparent they were unable to locate a satisfactory supply. We were approached to consider selling some of our well locations provided the water was satisfactory quantity or quality to meet a water association needs. Many tests were done and several more wells were drilled. One was an artesian well producing a very large amount of water.

We subsequently entered into an agreement with the Water Association to allow them to purchase by easements two well sites and the necessary pipeline and tank easements.

It became apparent after a period of time that the water supply was coming from an underground reservoir and the amount of available water was becoming limited as it was not recharging rapidly. After considerable experimentation with trying to obtain water from other sources, it became obvious there was only one solution and that was to utilize the water stored in Mt. Springs Lake or the district was going to be without water. It was important to supplement the water that was available in the wells. It also seemed important if possible to recharge that underground and use it for additional storage.

For our family to decide to sell the lake, additional easements, release our irrigation rights and other amenities was very difficult. However, we all feel an obligation and concern for our neighbors who could have a very serious problems in the future for a adequate and healthy water supply. From the tests we had made on the lake it was obvious it was excellent water for human consumption.

After consulting with several engineers with other water districts on utililizing the lake considering the quality of the water, the location boarding forestland and rainfall it became obvious the use of the storage facility was vital to our community.

It is also important if at all possible to make use of the underground storage. We are fully supportive of the efforts of the Buell Water Association to meet the needs of the people. In our opinion there is nothing they are doing or plan to do that will adversely affect the stream, lake or general area. In fact in enhances the area, increases the wildlife, birds and helps stop erosion. In their proposal to utilize the water to recharge their underground reservoir in no way could adversely affect the steam.

Alice Propes

66101

RECEIVED
JAN 22 1991
WATER RESOURCES DEPT.
SALEM, OREGON

Oregon
DEPARTMENT OF
ENVIRONMENTAL
QUALITY

January 18, 1991

Donn Miller, Hydrogeologist
Water Resources Department
3850 Portland Road NE
Salem, OR 97310

Re: Buell-Red Prairie Water Association Recharge Project
Polk County

Dear Mr. Miller:

This will refer to the proposed Buell-Red Prairie Water Association aquifer recharge project permit that the Water Resources Department (WRD) is considering for issuance. The recharge project consists of a surface water diversion pond, water treatment system and a recharge well. Buell-Red Prairie plans to divert water from the Gooseneck Creek to a sand filter and disinfection treatment system. About half of the treated water will be routed to the existing water supply distribution system and the other half will be injected into an existing recharge well. Stored water will be withdrawn from a nearby well which supplies the Buell-Red Prairie domestic water distribution system.

In order to protect the recognized beneficial uses of the groundwater in the area, it is the Department's opinion that an adequate monitoring and sampling plan should be included in the proposed permit.

The draft of the monitoring and sampling plan has been discussed during the meeting with the officers of Buell-Red Prairie Water Association, Mr. Edward Butts, consultant of the association, DEQ and WRD on December 17, 1990. It was agreed that the monitoring and sampling plan be incorporated in the proposed water appropriation permit. In a subsequent discussion with you and Mr. Edward Butts, other minor changes in the monitoring plan were made.

811 SW Sixth Avenue
Portland, OR 97204-1390
(503) 229-5696

As provided in the Memorandum of Agreement between DEQ and WRD, a groundwater recharge project does not need a separate DEQ water quality permit. Any concerns on water quality can be addressed in the water appropriation permit that will be issued by WRD.

Therefore, we recommend that the attached monitoring and sampling plan be incorporated in the Buell-Red Prairie Water Association recharge project water appropriation permit.

If you have any further questions, feel free to call me at 229-5876.

Sincerely,

Rene C. Dulay
Industrial Waste Specialist
Water Quality Division

RCD:crw
IW\WC7700
Enclosure
cc: Charles K. Ashbaker, DEQ
Willamette Valley Region, DEQ

MONITORING AND SAMPLING PLAN

1. Unless otherwise agreed in writing by the Water Resources Department, data collected, and submitted shall include but not necessarily be limited to the following parameters and minimum frequencies:

Recharge Well

Item or Parameter	Minimum Frequency*	Type of Sample
Total Coliform	Monthly	Grab
Nitrate (as N)	Monthly	Grab
pH	Monthly	Grab
Total Dissolved Solids	2 per year	Grab
Inorganic Chemicals		
Arsenic	Annual	Grab
Barium	Annual	Grab
Cadmium	Annual	Grab
Chromium	Annual	Grab
Copper	Annual	Grab
Fluoride	Annual	Grab
Iron	Annual	Grab
Lead	Annual	Grab
Manganese	Annual	Grab
Mercury	Annual	Grab
Selenium	Annual	Grab
Silver	Annual	Grab
Total Trihalomethanes	Annual	Grab

* Water shall be sampled for the required analyses at the point of injection at the recharge well.

2. Water to be recharged shall be analyzed for organic chemicals and regulated volatile organic compounds (VOC) in the frequency required by the Drinking Water Section of the Oregon Health Division. The data shall be submitted to the Water Resources Department within 45 days after sampling of the recharge well.

3. Recharge activities shall cease when any of the following conditions occur during the injection of treated water to the recharge well:

   a. Nitrate level of recharge water exceeds 5.0 mg/l.

   b. Total coliform shall not exceed <1/100 ml**.

   c. Concentration of any of the Inorganic Chemicals in the recharge water exceeds one half (1/2) of the Safe Drinking Water Standard Maximum Contaminant Levels.

   d. pH shall be within the range 6.5 - 8.5.

   e. Any of the Organic Chemicals or Volatile Organic Compounds is detected in the recharge water using approved analytical procedures under the Safe Drinking Water Act.

   ** Total coliform analyses are to be conducted using the 10-tube Multiple Tube Fermentation (MTF) Technique.

   Recharge activities shall resume only if contaminant levels as specified in Item 3 are not exceeded or if measures to prevent, correct and/or monitor any adverse groundwater quality or quantity effects have been agreed to and implemented.

4. The permittee shall submit the data required by the Health Division in monitoring of organic chemicals for community water systems.

IW\WC7701 (1/18/91)

STATE OF OREGON
WATER RESOURCES DEPARTMENT

INTEROFFICE MEMO

TO: File 66101 DATE: 4/10/90

FROM: Donn Miller DM

SUBJECT: Adequacy of Application per Recharge Rules in Div. 11

Recharge applications have special requirements. The purpose of this memo is to comment on the adequacy of the application at this time, regarding the various requirements.

690-11-085

(2) PRE-APPLICATION CONFERENCE (optional)	DONE
(3) SPECIAL INFORMATION	
(a) Minimum perennial streamflow	DONE ODFW letter of 3/14/90
(b) Water quality permit	TO DO IN COORDINATION WITH DEQ
(c) Purpose of the recharge	DONE Proj. description rpt. - Intro. (A)
(d) Annual storage/Losses	DONE Proj. description rpt. - Intro. (A) and inferred from drawing
(e) Financial capability (optional)	DONE Proj. description rpt. - Appendix
(f) Hydrogeologic feasibility study	DONE * - but more info needed
(g) Project description report	DONE ** - but more info needed
(h) Additional information	NONE IDENTIFIED

*Answers to these questions are needed:

1) What is the areal extent of recharge influence? An inventory of existing nearby wells for water levels and elevations in conjunction with an aquifer test would help in making this determination.

2) What is the probable water level response to recharge of a given volume? A volumetric look at historic recharge, pumpage from wells #1 and #2, and the results of a recharge/aquifer test will help.

3) Will well #2 enjoy the benefits of recharge? Water level data is the key to this through an aquifer/recharge test or more casual monitoring.

**Answers to these questions are needed:

1) Are there VOC's in either the raw (recharge) water or the water from well #1 or #2? Basic testing will answer this.

6) As a summary, what is the likely quality of the recharge water prior to injection during the interim scheme and during the final scheme?

COMMENTS

1) It appears to me that well #1 has benefited from past recharge activity.

2) It is probable that well #2 has benefited from past recharge activity. No data are presented to support this other than the appearance that well #2 has never experienced a water supply problem unlike well #1. Application 66101 seeks to recharge the aquifer for the benefit of both wells.

3) Recharge has and will improve ground water quality generally.

4) The presence of VOC's in the water supply at any point is unknown.

5) Local well reports are supplied but few are map located.

NEIL GOLDSCHMIDT
GOVERNOR

Department of Fish and Wildlife

P.O. BOX 59, PORTLAND, OREGON 97207

RECEIVED
MAR 16 1990
WATER RESOURCES DEPT.
SALEM, OREGON

March 14, 1990

Jake Szramek
Water Resources Department
3850 Portland Road N.E.
Salem, OR 97310

Re: Water Right 66101, Buell-Red Prairie Water Association,
Gooseneck Creek 75 gpm (0.16 cfs)

Gooseneck Creek contains wild steelhead and cutthroat trout. In July, 1979 and 1987, our West Slope-Mollala District Fish Biologist, John Haxton, inventoried Gooseneck Creek and collected wild juvenile steelhead and cutthroat trout. During the 1987 inventory, a 0.5 cubic feet per second (cfs) Gooseneck streamflow was observed.

The Willamette Basin Comprehensive Study, Pacific Northwest River Basins Commission 1969, appendix D, recommends minimum perennial streamflows in cfs at Gooseneck Creek's mouth as follows:

Nov-May	Jun	Jul	Aug-Sep	Oct
10	5	2	1	1

The applicant requests surface water appropriation to recharge wells. OAR 690-11-0851 requires the applicant to obtain an ODFW waiver to the requirement for establishment of a Minimum Perennial Streamflow. Unless the applicant is willing to accept the above minimum streamflow conditions, ODFW recommends this application be denied.

Thank you for the opportunity to comment.

Sincerely,

Gregory P. Robart
Staff Biologist
Aquatic Habitats Program
Habitat Conservation Division

grg
c: WRD, Groundwater Permits - Brown

Review of Draft Recharge Permit

Buell Red Prairie Recharge Mtg 12/17/90

Name	Affiliation
Donn Miller	Oregon Water Res. Dept.
Terry Ripka	Buell Water assn
James Buckell	" "
Leona Reynolds	" "
David Sawtell	OWRD
Rene Dulay	OWRD
Ed Butts	Stettler Supply Co.
JAKE SZRAMEK	URD

Recharge Paint

Buell-Red Prairie

Naomi Reynolds

843-2218

Donn: Doug P. took this call

Naomi would like a call back

w/ a progress report.

if ?, See Doug.

NJZ

NEIL GOLDSCHMIDT
GOVERNOR

Department of Environmental Quality

811 SW SIXTH AVENUE, PORTLAND, OREGON 97204-1390 PHONE (503) 229-5696

RECEIVED
MAY 23 1990
WATER RESOURCES DEPT.
SALEM, OREGON

May 17, 1990

Mr. Edward P. Butts, P.E.
Stettler Supply Company
1810 Lana Avenue N.E.
Salem, OR 97303

Re: Buell-Red Prairie Water
Assoc. Recharge Project

Dear Mr. Butts:

As agreed upon during our site survey of the Red Prairie Water Association recharge project near Buell on May 14, 1990, I am sending you the attached list of parameters for the water analyses needed for the baseline data. The water quality data will be used in determining the required monitoring plan for the recharge project.

Please note that the requested water quality data is based on the list of contaminants that the Oregon Health Division will be requiring to be monitored by community water supply systems. Red Prairie Water Association may have some of the requested data.

If you have any further questions, feel free to contact me at 229-5876.

Sincerely,

Rene C. Dulay
Industrial Waste Specialist
Industrial & On Site Waste
Section
Water Quality Division

RCD
Attachment
cc: Buell-Red Prairie Water Association
Donn Miller, Water Resources Department
Willamette Valley Region, DEQ

RECEIVED

WATER RESOURCES DEPT
SALEM, OREGON

Baseline data sampling for the Buell-Red Prairie Water Association

1. Organic Chemicals

Endrin
Lindane
Methoxychlor
Toxaphene
2,4-D
2,4,5-TP Silvex

2. Volatile Organic Compounds (regulated)

Benzene
Vinyl chloride
Carbon tetrachloride
1,2-Dichloroethane
Trichloroethylene
1,1-Dichloroethylene
1,1,1-Trichloroethane
para-Dichlorobenzene

3. Volatile Organic Compounds (unregulated)

Trihalomethanes:
- Chloroform
- Bromodichloromethane
- Chlorodibromomethane
- Bromoform

trans-1,2-Dichloroethylene
Chlorobenzene
m-Dichlorobenzene
Dichloromethane
cis-1,2-Dichloroethylene
o-Dichlorobenzene
Dibromomethane
1,1-Dichloropropene
Tetrachloroethylene
Toluene
p-Xylene
o-Xylene
m-Xylene
1,1-Dichloroethane
1,2-Dichloropropane
1,1,2,2-Tetrachloroethane
Ethylbenzene
1,3-Dichloropropane
Styrene
Chloromethane
Bromomethane
1,2,3-Trichloropropane
1,1,1,2-Tetrachloroethane
Chloroethane
1,1,2-Trichloroethane
2,2-Dichloropropane

o-Chlorotoluene
p-Chlorotoluene
Bromobenzene
1,3-Dichloropropene

Grab water samples from Prope's Lake and Well #1 shall be analyzed for all the compounds listed in items 1, 2 & 3.

One grab water sample from Well #2 shall be analyzed for volatile organic compounds as listed in items 2 and 3.

I35 service → 1000 people
150 K gallons/day

TRUCKING WATER →

75 K gallons/day.

Water conservation : ; program ;
outside allowed
Restrictions : Water conservation

Respond to letter VIA TPaul ;
re : extended period of use
cc: to Ed Butts

6/14/91

May 25 1991

RECEIVED
MAY 29 1991
WATER RESOURCES DEPT.
SALEM, OREGON

Donn Miller
Water Resources Department
3850 Portland Road
Salem Oregon 97310

Subject: Permitt number 51165

Dear Donn

The board of directors Buell Red Prairie Water Associtiin has requested I write you, regarding the continued use of the recharge well through the summer months. At our last meeting May-14-91 the board expressed concern over the fact that the number one well level was only at 71 feet and has been at that level for14 days.The board is of the opinion that with out continued use of the recharge the system may run out of water prior to October -1-1991.

We can only speculate on what may occur regarding the amount of reserve capacity the system will have by October 1-1991. I have compiled some data on wells one and two and the recharge system for tht last seven years. Using this data and my past experience with the system I can present several scenarios.
THE BEST SCENARIO: If water usage and conditions approximate the well levels of May-31-1987 to the end of September 1987 we will be all right.
May-31-87 level 25 feet September-31-87 level 73 feet
This was a drop of 48 feet (This was with recharge operating)

WORST CASE SCENARIO: If water usage and conditions approximate the well levels of May 31 1986 to September 31 1986 we are in trouble.
May-31-86 level 23 feet September-31-86 level 156 feet.
This was a drop of 133 feet (Recharge operating).

To illustrate this problem some more information. Pump one is located at 175 feet. The automatic cut off probe for pump protection is at 160 feet. The automatic restart probe is at 140 feet. Using the worst case scenario with a drop of 113 feet by September-31 and our present level of 71 feet, we arrive at a figure of 184 feet or in other words no water.

To further illustrate our problem during the month of September 1986, the system recieved approximately 274,470 gallons of water from out side of the system that is no longer available. In the past when the water level has fallen below 160 feet, I continued to operate the well by shorting out the restart probe. This leaves the pump with out any protection, It allso requires constant monitoring to establish water levels in the well.

I see several was to look at this situation.

1- Shut down the system at the end of May and leave it off untill the first of October
2- Shut down the recharge at the end of May and if it appears the system is getting dangerously low later in the summer, restart it play catch up and hope we can stay ahead of the demand.
3- Continue to operate the recharge and attempt to maintain a comfortable water level in anticipation of the circumstances we experienced in 1986.

I would appreciate hearing from you as soon as possible regarding this Matter. Untill then I will shut down the recharge at the end of May as stipulated in the permitt. I feel this situation could be covered under the following conditions section number nine subsection B. Untill we develop a secondary water source (Treatment plant to take water directly from the lake and pump it into the system) I believe we will need the recharge system during the summer months.

Sincerely

Donald L. Capistran Donald L Capistran
System Operator
PHONE NUMBER 843-4908

TOTAL GALLONS FROM WELL # 1FOR MONTH OR MAY				TOTAL GALLONS FROM WELL #1 FOR MONTH OF SEPTEMBER		
1985	1,606,400	Daily average	51.819	1,322,200	Daily Average	44,037
1986	1,398,000		45,096	1,268,100		42,270
1987	1,793,000		57,839	1,847,100		61,570
1988	1,186,400		38,271	1,613,200		53,773
1989	1,254,400		40,465	1,800,200		60,007
1990	1,555,100		50,165	1,669,500		55,650
1991	1,289,300		51,572			

TOTAL GALLONS FROM WELL # 2 FOR MONTH OF MAY				TOTAL GALLONS FROM WELL # 2 FOR MONTH OF SEPTEMBER		
1985	144,500	Days Pumped	9	402,600	Days Pumped	30
1986	157,700		6	537,600		30
1987	161,300		6	299,600		15
1988	137,800		5	516,500		30
1989	692,200		31	410.100		30
1990	382.300		31	283.050		30
1991	329,200 (25 days)		25			

WELL LEVELS FOR WELL # 1 FOR END OF MAY		WELL LEVELS FOR WELL # 1 FOR END OF SEPTEMBER		
1985	23 feet	1985	140 feet	Difference from May 117 feet
1986	23 feet	1986	156 feet	133 feet
1987	25 feet	1987	73 feet	48 feet
1988	29 feet	1988	83 feet	54 feet
1989	23 feet	1989	129 feet	106 feet
1990	57 feet	1990	122 feet	65 feet
1991	71 feet (To May 25)			

TOTAL RECHARGE GALLONS FOR MAY		TOTAL RECHARGE GALLONS FOR SEPTEMBER	
1985	No register installed	1985	No register installed
1986	No register installed	1986	No register installed
1987	1,893,700	1987	1,196,400
1988	1,223.300	1988	1,182,400
1989	1,690,200	1989	25,700 (shut down Sept. 2 -89)

TOTAL REGHARGE GALLONS FOR MAY

1990	1,940.600
1991	1,344,500 (To May -20 - 91)

TOTAL RECHARGE GALLONS FOR SEPTEMBER

1990	549,200

AVAILABLE

MAY 1985
Total Gallons # 1_1,606,400
Daily Average 51,819 gallons
Well levels #1 May 1 was 18 feet May 31 was 23 feet.
Additional water from # 2 well 144,500 gallons pumped 9 days.
Recharge well total gallons-- no register available.

May 1986
Total gallons # 1 1,398,000
Daily average 45,096 gallons
Well levels #1 May 1 was 13 feet May 31 23 feet
Additional water from # 2 well 157,700 gallons pumped 6 days.
Recharge well total gallons no register available.

May 1987
Total gallons 3 1 1,793,000
Daily average 57,839 gallons.
Well levels # 1 May 1 was 18 feet May 31 25 feet.
Additional water from # 2 Well 161,300 gallons pumped 6 days.
Recharge well total gallons for May 1,897,700

May 1988
Total Gallons #1 1,186,400
Daily average 38,271
Well levels #1 May 1 was 16 feet May 31 was 29 feet.
Additional water from well # 2 137,800 gallons pumped 5 days.
Recharge well total gallons for May 1,223,300.

May 1989
Total Gallons # 1 1,254,400
Daily average 40,465 gallons.
Well levels # 1 May 1 was 20 feet May 31 was 23 feet.
Additional water from well # 2 692,200 gallons pumped 31 days.
Recharge well total gallons for May 1,690,200 .

May 1990
Total gallons # 1 1,555,100
Daily average 50,165 gallons
Well levels # 1 May 1 was 57 feet May 31 was 50 feet
Additional water from well # 2 382,300 gallons pumped 31 days.
Recharge well total gallons for May 1,940,600.

May 1991 (May 1 to May 25 1991)
Total gallons # 1 1,289,300
Daily average 51,572 gallons
Well Levels # 1 May 1 was 76 feet May 25 was 71 feet.
Additional water from well # 2 329,200 gallons pumped 25 days.
Recharge well total gallons May 25 1991 1,916,000.

September 1985
Total gallons # 1 1,322,200
Daily average # 1 44,073
Well levels # 1 Sept. 1 was 120 feet Sept. 30 was 140 feet.
Additional water from well # 2 402,600 gallons days pumped 30.
Recharge well total gallons No register available.

September 1986
Total gallons # 1 1,268,100
Daily average # 1 42,270
Additional water from well # 2 537,600 gallons days pumped 30.
Well levels # 1 Sept.1 was 131 feet Sept. 30 was 156 feet.
Recharge well total gallons no register availabel.

September 1987
Total gallons # 1 1,847,100
Daily average # 1 61570
Well levels # 1 Sept. 1 was 55 feet Sept.30 was 73 feet.
Additional water from well # 2 299,600 gallons days pumped 15.
Recharge wall total gallons 1,196,400.

September 1988
Total gallons # 1 1,613,200
Daily average # 1 53773
Well levels # 1 Sept.1 was 80 feet Sept. 30 was 83 feet.
Additional water from well # 2 516,500 gallons days pumped 30.
Recharge well total gallons 1,182,400 (shut down Sept. 27 88).

September 1989
Total gallons # 1 1,800,200
Daily average # 1 60,007
Well Levels # 1 Sept.1 was 101 Sept. 30 was 129 feet.
Additional water from well # 2 410,100 gallons days pumped 30.
Regharge well total gallons 25,700 (shut down Sept. 2 89).

October 1989. Additional water obtained from Grande Rounde and Propes well 455,076 gallons.
Total recharge gallons 221,400

November 1989 Additional water obtained from Grande Rounde and Propes well 308,380 gallons.
Total recharge gallons 1,701,700

September 1990
Total gallons # 1 1,669,500
Daily average # 1 55650
Well levels # 1 Sept. 1 was 99 feet Sept. 30 was 122 feet.
Additional water from well # 2 283,050 gallons days pumped 30.
Recharge well total gallons 549,200

Appl. 66101

Oregon

WATER
RESOURCES
DEPARTMENT

May 10, 1991

Don Capistran
Buell - Red Prairie Domestic Water Assoc.
6890 Frank Rd.
Sheridan, OR 97378

Dear Don:

This letter is a follow-up to our meeting today regarding certain conditions of permit 51165.

1) I will revise the Annual Recharge Report form, making it clearer. Please use it when needed.

2) Please submit your first annual recharge report for 1992 recharge year. This will simplify the accounting to reflect full years under permit.

3) Please consider installing and rating a staff gage on Gooseneck Creek at the Hwy 22 bridge for the purpose of monitoring the instream flow. Dave Jarrett, watermaster, will advise you. Please call him.

4) Based on the recharge figures historically and discharge from wells #1 & #2, the natural water should be about 10 MGY. I think that this can be formalize prior to the 6/15/92 deadline for the first annual recharge report.

5) The Association should apply for the secondary groundwater permit which allows the use of recharged water. Please do this soon so that a permit can be issued prior to the end of the 1992 recharge year.

Sincerely,

Donn Miller
Hydrogeologist

3850 Portland Rd NE
Salem, OR 97310
(503) 378-3739
FAX 378-8130

File S-66101

March 25, 2008

Oregon Water Resources Department
725 Summer Street NE
Salem, OR 97301

RE: WATER RIGHT TIME EXTENSIONS FOR BUELL RED PRAIRIE WATER DISTRICT

The Buell Red Prairie Water District desires to extend its five water rights. A check in the amount of $1,750 is enclosed.

The District has a total of twelve water rights. A claim of beneficial use was filed for the seven most senior rights in 1997. The COBU determined that the District was properly utilizing the water in these rights and could claim beneficial use.

These time extensions are for the future. The District's service population should double over the next 40 to 50 years. The District's water use should also double over this same time period.

The District desires to provide this additional water with a combination of groundwater and surface water sources. So, the District needs these water rights extended in order to properly provide this future water supply.

Please contact me with any questions about these time extensions.

Sincerely,

Paul L. Eckley
579 Juntura Court SE
Salem, OR 97302
(503) 364-8199
pauleckley@comcast.net

RECEIVED
MAR 26 2008
WATER RESOURCES DEPT
SALEM, OREGON

Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem Oregon 97301-1266
(503) 986-0900
www.wrd.state.or.us

Application for Extension of Time for Municipal and Quasi-Municipal Water Use Permits

TO THE DIRECTOR OF THE OREGON WATER RESOURCES DEPARTMENT

A separate extension application must be submitted for <u>each</u> permit as per OAR 690-315-0070(2). This page, with an original signature by the permit holder of record, must accompany any application for extension of time.

This application and a summary of review criteria and procedures that are generally applicable to this application are available at http://www.wrd.state.or.us/OWRD/PUBS/forms.shtml

I, Buell Red Prairie Water District — Mark Millikan
NAME OF PERMIT HOLDER *[OAR 690-315-0070(1) and (3)(a)]* — NAME OF CONTACT

P.O. Box 367 — Sheridan — Oregon — 97378
ADDRESS — CITY — STATE — ZIP

PHONE — E-MAIL ADDRESS

the permit holder of: Application Number S - 66101

Permit Number S - 51165
[OAR 690-315-0070(3)(b)]

do hereby request that the time in which to:

☒ complete construction (of diversion/appropriation works and/or purchase and installation of the equipment necessary to the use of water), which time now expires on October 1, 1999, be extended to October 1, 2049,

and/or the time in which to:

☒ apply water to full beneficial use under the terms and conditions of the permit, which time now expires on October 1, 1999, be extended to October 1, 2049.

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

Mark Millikan — March 11, 2008
Signature — Date

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[OAR 690-315-0070(3)]

1. **Submit the appropriate extension of time fee ($350), as specified under ORS 536.050.**

If the extension application fee has already been paid, please provide indicate why and when it was paid. *The statute for this fee may be viewed at www.leg.state.or.us/ors/536.html.*

Check for $350 enclosed.

[OAR 690-315-0070(3)(c)]

2. **For Quasi-Municipal water use permit holders, provide evidence of the actions taken to begin actual construction on the project if required under the applicable statute.** All Quasi-Municipal permits issued prior to October 23, 1999, are generally required to begin actual construction within one (1) year.

Preferred Format for Item 2:

Begin Date Feb 1992 (month/year). **Construction of** recharge well (details) **began.**

[OAR 690-315-0070(3)(d)]

3. **For Municipal water use permits issued on or after June 29, 2005, evidence of the actions taken to begin actual construction on the project.**

N/A

[OAR 690-315-0070(3)(e)]

4. **Provide evidence of actions taken to develop the water right permit within the permitted time period and/or the time period of the previous extension.**

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Preferred Format for Item 4: Answer in conjunction with Item 8

(Use these headings and fill in details in chronological order on separate sheet(s) of paper.)

INSERT DATES	ALL WORK AND ACTIONS ACCOMPLISHED BEFORE PERMIT WAS ISSUED *List work/actions done before the permitted was issued – eg. Well drilled.*	COST[1]
	Unknown, cannot find well log.	
INSERT DATES	**ALL WORK AND ACTIONS ACCOMPLISHED DURING PERMITTED TIME PERIOD (after permit was issued and prior to permit "C-date")** *List work/actions done during the permitted time period.*	**COST**
	The permit was signed - find date above signature on last page of permit.	
2/4/91		
	The permit specified "Actual Construction Work" shall begin ("A-Date") -not all permits contain this date.	
2/4/92		

10/1/93	**The permit specified complete application of water to the use shall be made ("C-Date") -** all permits contain this date.	
INSERT DATES	**ALL WORK AND ACTIONS ACCOMPLISHED AFTER PERMIT "C-Date" and PRIOR TO ANY EXTENSION OF TIME REQUEST** *For the 1st Application for Extension of Time: List work/actions done after the permit "C-date" up to the date of this extension request.* *For Other than the 1st Application for Extension of Time: List any work/actions done after the permit C-Date but prior to the most recent extension.*	**COST**
10/1/99	**The District has been recharging the well most every year.**	**Unk.**
INSERT DATES	**ALL WORK AND ACTIONS ACCOMPLISHED DURING THE MOST RECENT EXTENSION OF TIME GRANTED** *For Other than 1st Application for Extension of Time: List any work/actions done during the time period most recent extension.*	**COST**
10/1/__	**"Extended To" date for complete application of water resulting from the most recent extension of time.**	
	N/A	
10/1/93	**Last "Extended From Date" for complete application of water resulting from the most recent extension of time**	
INSERT DATES	**ALL WORK AND ACTIONS ACCOMPLISHED AFTER THE MOST RECENT EXTENSION OF TIME GRANTED** *List work/actions done after the last authorized date for complete application of water has passed.*	**COST**
2006	**Well #1 upgraded.**	**$29,538**
	Total Cost to Date	**$29,538**

[1] **In combination with Item 8**

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[OAR 690-315-0070(3)(f)]

5. Provide evidence of compliance with conditions contained in the original permit, and any previous extension(s), or the reason the condition was not satisfied.

Conditions requiring a written response in the extension of time application include those which:

A. Stipulate a specific date by which the permit holder was to accomplish a specific action, such as a condition that requires plans and specifications for a reservoir, a Water Management and Conservation Plan, a groundwater monitoring plan or some other document which "...shall be submitted...within two years of permit issuance." If your permit requires submittal of a Water Conservation and Management Plan, please indicate the date the plan was submitted to or approved by OWRD, or whether it is still being drafted, etc.;

and/or

B. Are triggered by the use of water, but do not stipulate a specific date. These conditions represent a milestone in development of the project and use of water, such as the

permit holder, "shall install...a water meter or other suitable measuring device approved by the Director...before any use of water begins." Another common condition triggered by the use of water is that; "fish screens are to be installed according to Oregon Department of Fish and Wildlife specifications."

The permit requires the District file annual reports on the recharge, storage and withdrawal of water. The District has filed these annual reports.

The permit also requires a Water Conservation Plan. The District is planning to complete the Water Conservation and Management Plan this calendar year.

[OAR 690-315-0070(3)(g)]

6. **Provide evidence of the maximum rate, or duty if applicable, of water diverted for beneficial use under the permit and/or prior extensions of time, if any, made to date.**

The maximum instantaneous rate, or duty if applicable, must be based upon at least a continuous 4-hour period of beneficial water use, and reported in the same units of measurement as specified on the permit, being cfs (cubic feet per second), gpm (gallons per minute), or AF (acre-feet – usually only specified on a reservoir right to store water). *Do not provide daily, monthly or annual water volume totals.*

Preferred Format for Item 6:

Maximum instantaneous recharge rate used to date = __40___ gpm (gallons per minute)

and,

Acre Feet recharged in well to date= ___17_ AF per year.

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[OAR 690-315-0070(3)(h)]

7. **Provide an estimate of the population served under this permit and a description of the methodology(ies) used to make the estimate.**

Estimate the current population that is supplied water by the municipality or quasi-municipality and if applicable, current population served under this permit. Describe how that estimate was derived, or cite the source document from which the data was obtained. Include any calculations, formulas, supporting documentation, including copies of source documents.

The 2007 estimated population is 748, as shown on page 9 of 2007 Report.

[OAR 690-315-0070(3)(i)]

8. **Provide a description of the financial expenditures made toward completion of the water development under this permit.**

Provide a list that describes all major work and actions accomplished from the date this permit was issued up to the time this extension application is prepared. Include dates the work was

accomplished, the cost of each development component listed, and the total cost of all work described.

Preferred Format for Item 8: Answer in conjunction with Item 4

DATE	WORK OR ACTIONS ACCOMPLISHED	COST
~2000	Began recharging surface water.	Unknown.
	Total Cost	**Unknown.**

[OAR 690-315-0070(3)(j)]

9. Provide an estimate of the cost necessary to complete the water development.

Provide your best estimate of the total remaining financial investment necessary to complete construction of the system and/or apply water to full beneficial use. Include a list that briefly describes the major future components or actions needed, the approximate time frames, and estimated costs anticipated to complete the water development within the parameters of this permit.

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Preferred Format for Item 9: Answer in conjunction with Item 12

APPROXIMATE DATE RANGE (projected)	WORK AND ACTIONS TO BE ACCOMPLISHED (projected)	ESTIMATED COST (projected)
By 2010	New water treatment plant to be online by the year 2010, which will then allow the District to recharge more water under this permit.	$2 Million
2020 – 2030	Expand groundwater recharge and recovery system.	Unknown.
	Total Cost	**$2 Million**

[OAR 690-315-0070(3)(k)]

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

The District's first priority is to construct a new surface water treatment and plans to accomplish this by the year 2010.

[OAR 690-315-0070(3)(l)]

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

In developing your estimated demand projections for the permit being extended, you should include the following items:

In developing your estimated demand projections for the permit being extended, you should include the following items:

a) Inventory of Water Rights Held

List all water rights held, including this permit, currently held by the permit holder. Use the format shown in "Attachment A"(see last page of this Application for Extension of Time). A link to the Water Rights Information System (WRIS), accessed through OWRD's website at http://www.wrd.state.or.us may be a helpful source for compiling this information.

Use the "Use Limitations" column to identify and explain why any water right is not currently utilized to meet current peak water demands, or which is used only in a limited capacity.

See 2007 Report.

b) Water Supply Contracts and/or Agreements

List any water supply contracts or agreements for water that will be supplied by the permit holder to other entities. List any water supply contracts or agreements for water that will be supplied from other entities that the permit holder will depend on to meet its own current or anticipated future water needs.

The District has an intertie with Grand Ronde Water.

c) Current Peak Water Demands

Identify the total rate, or duty if applicable, of water being used to meet the current peak demands for water from all water rights held by the municipal or quasi-municipal entity. This must be reported in the same units of measurement as specified in the permits, being cfs (cubic feet per second), gpm (gallons per minute), and/or AF (acre-feet – usually only specified on a reservoir right to store water). This total rate should be based on the information provided on "Attachment A" in the column named *"Max Amount of Beneficial Water Used to Date"* (under Item 11-A (a).

See 2007 Report.

d) Projected Population

Identify the projected population growth rate. The population projection must be extended out, at a minimum, to the year requested for complete application of water. Describe the methodology used to create the population projections such as historical growth rates or any factors affecting growth trends.

By the year 2049, the District could have 632 service connections, or a population of 1,580.

e) Future Peak Water Demands

Identify the projected peak water. The peak water demand projection must be extended out, at a minimum, to the year requested for complete application of water. Describe the methodology used to create the water demand projection, such as historical growth rates or any factors affecting growth trends. Include a summary of how the subject permit, and other water rights and /or supply contracts held by the permit holder are planned or expected to be used to meet anticipated future water needs.

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f) Potential Growth

Describe the potential for growth of the service area (such as the annexation of lands or new industrial and/or commercial ventures locating within the service area) and describe how those projects are expected to affect future water demands.

The growth of the District is expected to follow the growth rates for Polk County, which have been estimated by Portland State University.

g) Completion Date

Provide the date by which the water development is anticipated to be completed and water put to full beneficial use.

By October 1, 2049, the District plans to have completed additional recharge development work and put the water to full beneficial use.

[OAR 690-315-0070(3)(l)]

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

Show that permit holder's potential for future growth and expansion is feasible and consistent with the amounts and types of lands and uses proposed to be served. Information that may be addressed includes, but is not limited to: land use plan(s); current service area(s) in relation to the urban growth boundary; amounts of lands currently un-served and available for future development; and/or low-density vs. high-density areas.

N/A

[OAR 690-315-0070(3)(m)]

12. Provide a summary of the future plan and schedule to complete construction and/or perfect the water right.

Considering the demand projections in Item 11-A, describe major future work and actions that must be accomplished in order to fully develop and perfect the subject permit. Provide a list of the planning, work and/or actions that must occur, and give an approximate date range by which that work or action is expected to be accomplished. The review of a Capital Improvement Plan (CIP) or other system infrastructure improvement plan may help when formulating a response.

Preferred Format for Item 12: Answered in conjunction with Item 9

APPROXIMATE DATE RANGE	WORK AND ACTIONS TO BE ACCOMPLISHED	ESTIMATED COST[1]
By 2010	Construct new surface water treatment plant.	$2 million
2020 – 2030	Expand groundwater recharge and recovery system.	Unknown.

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Total Cost	

[1] In combination with Item 8

[OAR 690-315-0070(3)(n)]

13. Justify the time requested to complete the project and/or apply the water to full beneficial use.

A justification should integrate information from Items 9, 10, 11-A, 11-B, and 12 of this application, and should include any other information or evidence to establish that the requested amount of time is reasonable, and that you will be able to complete the project within the amount of time requested.

The District population should double over the next 50 years. To date, since the origin of this permit, the District has only been able to recharge a peak rate of 40 gallons per minute, versus the 75 gallons per minute allowed by the permit. On an annual basis, the District has been able to recharge 17 acre-feet per year, versus the 61 acre-feet per year allowed by the permit.

The District's goal is to maximize the recharge system in order to reduce its demand on surface water sources during the summer months.

Because the District is focusing first on completing the construction of a much needed surface water treatment plant, at a very expensive cost ($2 million), it will not be able to expand the recharge system in the near future. Because of this the District is requesting a 50 year time extension.

[OAR 690-315-0070(3)(o)]

14. Provide any other information you wish OWRD to consider while evaluating the Application for Extension of Time.

See 2007 Report.

[OAR 690-315-0070(3)(q)]

15. For Municipal water use permits issued before November 2, 1998, for the first extension issued after June 29, 2005, provide a copy of any agreements regarding use of the undeveloped portion of the permit between the permit holder and a federal or state agency that include conditions or required actions that maintain the persistence of listed fish species in the portions of the waterways affected by water use under the permit.

Not required for Quasi-Municipal Water Right Permits.

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#9

STATE OF OREGON

COUNTY OF POLK

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

BUELL-RED PRAIRIE DOMESTIC WATER ASSOCIATION (ASSOCIATION)
6890 FRANK ROAD 503-843-2218
SHERIDAN, OREGON 97378

to use the waters of GOOSENECK CREEK, a tributary of MILL CREEK, for GROUNDWATER RECHARGE. The permit to use these waters is issued under Application 66101. The date of priority is JUNE 8, 1984. The use is limited to the period from October 1 through May 31, not more than 75.0 GALLONS PER MINUTE, and not to exceed 61.0 ACRE-FEET each recharge period/year, measured at the point of diversion.

The point of diversion is located as follows:

SE 1/4 SW 1/4, Section 35, T 6 S, R 7 W, W.M.; North 59 Degrees, 25 Minutes West, 1121 feet from S 1/4 corner Section 35.

The permittee shall appropriate water from Gooseneck Creek only when the following instream flows in cubic feet per second are maintained at the mouth of Gooseneck Creek:

OCTOBER	NOVEMBER THROUGH MAY
1.0	10.0

The water user shall install and maintain an in-line flow meter, weir, or other suitable device, of a type and at a location to be approved by the watermaster, for measuring or recording the above instream flows.

The use of water allowed under this permit shall conform to such reasonable rotation system as may be ordered by the proper state officer.

The place of use is the recharge well which is located as follows:

SW 1/4 SE 1/4
SECTION 35
TOWNSHIP 6 SOUTH, RANGE 7 WEST, W.M.

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This permit is also subject to the following conditions:

1. Meters: The permittee shall meter the water withdrawn at the diversion and meter the water injected into the recharge well.

2. Records, inspections: The permittee shall keep accurate and current records of daily metered values, water levels and other operational information. The Water Resources Director (Director) may inspect the records and works covered by this permit upon one day notice and at any reasonable time.

3. Estimated data: When data are missing in whole or in part, the Director may make estimates from available data. Those estimates shall be reasonable and, where a range of uncertainty exists, conservatively low on water delivered to the place of recharge.

4. Water level monitoring: Once each year between April 1 and June 1, the permittee shall measure and record the depth to water below land surface in each of the following wells to 1 foot accuracy. Prior to the determinations, recharge and pumping shall be suspended by the permittee for at least seven days. Two of the wells are not controlled by the Association, however the permittee shall attempt to cooperate with the other owners to obtain these measurements.

ASSIGNED. See Misc. Rec., Vol. 7 Page 2567

Well Location	Common Name	Remarks
T6S/R7W-35db	Buell-Red Prairie #1	
T6S/R7W-35da	Buell-Red Prairie #2	
T6S/R7S-35dc	Recharge Well	
T6S/R7W-35ca	Mike Propes Well	Not controlled by Association
T6S/R7W-35db	Villager Well	Not controlled by Association

5. Target water levels in key wells: This permit designates two existing wells as key wells in the water level monitoring program. As determined between April 1 and June 1 of each year, actual water levels at these wells shall be compared to the target levels to determine allowable use as indicated under the allowable use of stored water condition. Key wells and associated target levels are:

Target Levels
(feet below Land Surface Datum)

Well Location	Common Name	Upper	Lower
T6S/R7W-35db	Buell-Red Prairie #1	25	125
T6S/R7W-35dc	Recharge Well	0	50

6. Storage account for the determination of stored recharge water: The Water Resources Department (WRD) shall make final determinations on stored groundwater. This shall occur through a storage account which covers this permit. The storage account shall be based on recharge and secondary permit withdrawals over only the preceding five recharge years. For this permit, the recharge year is the period from June 1 through May 31 of each year. It shall be credited at 80% of water metered to the place of recharge. Withdrawals of stored water shall be debited at 100% of metered values at wells covered by a secondary permit(s). The debit applies to that portion of withdrawals which are in excess of the permittee's natural water pumpage of 5 million gallons annually under Permit G-8748. The permittee may obtain information on the storage account from the WRD by submitting a written request.

7. Allowable use of stored recharge water: The availability of recharge water stored under this permit is based on the priority of secondary groundwater rights and the allowable use of stored recharge water. The allowable use of stored recharge water during any water year falls into 3 categories. For ease of reference, these categories are named as color zones.

(A) Green zone: If recent water levels as determined between April 1 and June 1 at the two (2) key wells are above the upper target levels, use is allowed up to the maximum of the storage account.

(B) Yellow zone: If neither Green zone nor Red zone water levels prevail, use is allowed up to 80 percent of the recharge volume for the preceding 12 months.

(C) Red zone: If recent water levels as determined between April 1 and June 1 at two (2) key wells are below the lower target levels, no use of recharged water is allowed the following recharge year.

8. Permit assignment: A potential assignee shall prove, to the Director's satisfaction, the financial capability to construct uncompleted portions of, and operate, the project authorized by the permit.

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9. Mitigating unforseen effects:

(A) If, under actual operation of the recharge project, the Director notifies the permittee that the Director has reason to believe there are adverse groundwater quantity or quality effects, the permittee shall cease recharge activities. No further diversion shall be made until measures to prevent, correct or monitor those adverse effects have been agreed to and implemented.

(B) If, in the judgement of the Director, project performance or other hydrologic circumstances indicate that provision(s) in this permit are an unnecessary hardship, or are either inappropriate or inadequate to monitor or manage the quantity or protect the quality of the groundwater resource, the Director may modify target water levels, key wells, the storage account credit factor, the storage account, or any other term of this permit as necessary to remedy the deficiencies.

10. Technical oversight: The construction and operation of the recharge project shall be overseen by a professional registered civil engineer(s) licensed to practice in Oregon.

11. Other state or federal agency requirements:

The following conditions are notices of requirements of other Oregon state agencies. The permittee shall correspond directly with each agency regarding monitoring, reporting and any other requirements. Reports shall only be submitted to the requiring agency, unless otherwise specified herein.

The WRD will enforce these conditions in a manner similar to other conditions in this permit but only upon notice of noncompliance and request for enforcement from the responsible agencies.

Conditions 11(A) and (B) shall remain in effect unless and until WRD receives a written agreement signed by the permittee and responsible agencies to modify the conditions.

(A) The permittee shall comply with the requirements of the Oregon State Health Division.

(B) The permittee shall provide appropriate groundwater quality protection as specified by the Oregon Department of Environmental Quality (DEQ). The DEQ monitoring and sampling plan for this project was submitted to the WRD by letter of January 18, 1991, and is, by reference, included as part of this permit.

12. Water conservation program: Within one year from the date the Water Resources Commission adopts rules describing the schedules, standards and procedures for water management plans by water suppliers, the Association shall submit a plan which is consistent with the rules.

13. Annual and other reports:

(A) The permittee shall submit an annual report to the WRD and any secondary permittee by June 15 of each year. That report shall include the range of diversion and recharge rates and total quantities diverted and recharged during the prior recharge year (ending May 31) as metered under conditions 1, 2, and 3. In addition, the report shall include the water level data from condition 4, the permittee's estimate of the storage account under condition 6, a brief narrative describing operational factors related to the recharge project and conditions 3, 9, 10, 12, and a list of the dates of any reports submitted to other agencies under condition 11.

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(B) The permittee shall submit, as scheduled, any reports required by other agencies as specified under condition 11.

The wells shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works constructed shall include an air line and pressure gauge or an access port for measuring line, adequate to determine water level elevation in the well at all times.

This development was reviewed and approved by the Water Resources Commission on FEBRUARY 1, 1991.

Actual construction work shall begin on or before February 4, 1992 , and shall be completed on or before October 1, 1992. Complete application of the water to the use shall be made on or before October 1, 1993.

This permit is for the beneficial use of water without waste. By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

Issued this date, FEBRUARY 4, 1991.

/s/ WILLIAM H. YOUNG

Water Resources Department
William H. Young
Director

BC Ext. to 10-1-99

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BEFORE THE WATER RESOURCES DIRECTOR OF OREGON

POLK COUNTY

IN THE MATTER OF APPLICATION FOR	)	
EXTENSION OF TIME IN WHICH TO	)	
COMPLETE CONSTRUCTION WORK	)	ORDER
AND MAKE COMPLETE APPLICATION	)	
OF WATER UNDER PERMIT 51165	)	

The owner of the following water permit issued by the Water Resources Director has submitted an application for extension of the time limits within which to complete the construction work and make complete application of water to beneficial use under their permit.

The Water Resources Director is authorized under the provisions of ORS 537.230 to grant extensions of time for good cause shown, within which to complete work to perfect a water right under a permit;

The statement in the application for extension filed regarding completion of the project indicates that the applicant has shown such reasonable diligence as entitles them to an extension of time; and

No protest or objection to the granting of an extension under the permit has been filed by any subsequent permit holder;

NOW, THEREFORE, it is hereby ORDERED that the extension of time is granted as follows:

				NEW TIME LIMITS TO:	
PERMITTEE	APPL. NUMBER	PERMIT NUMBER	BASIN NUMBER	COMPL CONST.	APPLY WATER
Buell-Red Prairie Water District	66101	51165	2	October 1, 1999	October 1, 1999

Dated at Salem, Oregon this 13 day of May, 1998.

Martha O. Pagel
DIRECTOR

66101.jh

Special Order Volume 52, Page 477.

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BEFORE THE WATER RESOURCES DIRECTOR OF OREGON

POLK COUNTY

IN THE MATTER OF APPLICATION FOR	)	
EXTENSION OF TIME IN WHICH TO	)	
COMPLETE CONSTRUCTION WORK	)	ORDER
AND MAKE COMPLETE APPLICATION	)	
OF WATER UNDER PERMIT 51165	)	

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No protest or objection to the granting of an extension under the permit has been filed by any subsequent permit holder;

NOW, THEREFORE, it is hereby ORDERED that the extension of time is granted as follows:

				NEW TIME LIMITS TO:	
PERMITTEE	APPL. NUMBER	PERMIT NUMBER	BASIN NUMBER	COMPL. CONST.	APPLY WATER
Buell-Red Prairie Water District	66101	51165	2	October 1, 1999	October 1, 1999

Dated at Salem, Oregon this 13 day of May, 1998.

Martin D. Nicol
DIRECTOR

Special Order Volume 52, Page 4

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Paul L. Eckley

579 Juntura Court SE
Salem, OR 97302
503-364-8199
pauleckley@comcast.net

Buell Red Prairie Water District

2007 Water Rights Report

Updated March 25th, 2008

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Buell Red Prairie Water District; Water Rights Report

The purpose of this report is to update the report prepared on October 22, 2007, for the Buell Red Prairie Water District and make recommendations to the District.

Background on District:

The Buell Red Prairie Water District provides potable water service to 299 service connections.

Water Rights History:

A summary of the twelve water rights for the Buell Red Prairie Water District is found on the following table.

Ref#	Application#	Permit#	Priority Date	Point of Diversion(POD)	Original Cert #	Transfer Order #	Use of Water
1	S38861	S28946	6/28/63	GOOSENECK CREEK > MILL CREEK	40054	T6287	Domestic, Commercial & Livestock Watering
2	R41412	R4592	9/21/65	GOOSENECK CREEK > MILL CREEK	40055	T6287	Domestic, Commercial & Livestock Watering
3	S41422	S30517	9/23/65	RESERVOIR > GOOSENECK CREEK	40056	T6287	Domestic, Commercial & Livestock Watering
4	R43211	R4840	1/19/67	GOOSENECK CREEK > YAMHILL RIVER	41646	T6287	Domestic, Commercial & Livestock Watering
5	S43212	S31865	1/19/67	MT SPRINGS RANCH RESERVOIR > GOOSENECK CREEK	41647	T6287	Domestic, Commercial & Livestock Watering
6	R50051	R6100	2/16/73	GOOSENECK CREEK > MILL CREEK	47083	T6291	Domestic, Commercial & Livestock Watering
7	S50052	S37623	2/16/73	GOOSENECK CREEK/RESERVOIR > MILL CREEK	47084	T6291	Domestic, Commercial & Livestock Watering
8	G9326	G8748	7/23/79	Well #1 and Well #2	N/A	N/A	QUASI-MUNICIPAL USES
9	S66101	S51165	6/8/84	GOOSENECK CREEK > MILL CREEK	N/A	N/A	GROUND WATER RECHARGE (Primary)
10	G12608	G13521	7/12/91	Well #1 and Well #2	N/A	N/A	QUASI-MUNICIPAL USES (Supplemental)
11	R71755	R12221	7/12/91	GOOSENECK CREEK/MOUNTAIN SPRING RESERVOIR	N/A	N/A	QUASI-MUNICIPAL USES (Primary)
12	S71756	S53238	7/12/91	MTN SPRINGS RESERVOIR > GOOSENECK CREEK	N/A	N/A	QUASI-MUNICIPAL

The original seven water rights were in the name of the Propes. Transfer applications were filed to transfer the ownership to the District and the two transfer orders were approved by the Oregon Water Resources Department in 1989. The earliest priority date is 1963, over 44 years ago. The water rights are to; 1) use water from Gooseneck Creek; 2) store water from Gooseneck Creek in the reservoir; 3) use the stored water; 4) use groundwater wells; 5) recharge the groundwater aquifer with surface water; and finally 6) use the stored water from the aquifer.

Detailed Water Right Information:

S28946 - This is the original water right, which was certificated for 0.5 cubic feet per second (cfs), but later transferred at the rate of 0.21 cfs.

R4592 – This right is to store 3 acre-feet of water from Gooseneck Creek in the reservoir.

S30517 – This right is to use the 3 acre-feet of water stored under R4592.

R4840 – This right is to store 60.85 acre-feet of water from Gooseneck Creek in the reservoir.

S31865 – This right is to use the 60.85 acre-feet of water stored under R4840.

R6100 – This right is to store 6 acre-feet of water from Gooseneck Creek in the reservoir.

S37623 – This right is to use the 6 acre-feet of stored water under R6100.

A Claim of Beneficial Use (COBA) was filed on behalf of the District on September 30, 1997, for Transfers T-6287 and T-6291. This covers the seven preceding water rights. No action has been taken by WRD on these Claims.

G8748 – This is the right for the two wells operated by the District.

S51165 – This right allows the District to recharge water into the groundwater aquifer.

G13521 – This right is to use 61 acre-feet of recharged water.

R12221 – This right was for enlarging the reservoir and storing an additional 61 acre-feet of water each year.

S53238 – This right was to use the water stored under R12221.

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The following table summarizes detailed information on the District's water rights. The "C" date (completion date) is the date by which completion of the water right was to take place and when the right should have been certificated, or completed. All twelve water right "C" dates are in the past, however, the WRD shows all twelve rights as "NC", which means "not cancelled". This "NC" status is the best standing which WRD will show for any water right, other than for rights which have been cancelled.

Ref#	Permit#	Priority Date#	POD	Original Cert #	Transfer Order #	Quantity	C Date	Status
1	S28946	6/28/63	GOOSENECK CREEK > MILL CREEK	40054	T6287	0.21 cfs	10/1/1996	NC
2	R4592	9/21/65	GOOSENECK CREEK > MILL CREEK	40055	T6287	3 af storage	10/1/1996	NC
3	S30517	9/23/65	RESERVOIR > GOOSENECK CREEK	40056	T6287	3 af of stored water	10/1/1996	NC
4	R4840	1/19/67	GOOSENECK CREEK > YAMHILL RIVER	41646	T6287	60.85 af storage	10/1/1996	NC
5	S31865	1/19/67	MT SPRINGS RANCH RESERVOIR > GOOSENECK CREEK	41647	T6287	60.85 af of stored water	10/1/1996	NC
6	R6100	2/16/73	GOOSENECK CREEK > MILL CREEK	47083	T6291	6 af storage	10/1/1996	NC
7	S37623	2/16/73	GOOSENECK CREEK/RESERVOIR > MILL CREEK	47084	T6291	0.02 cfs	10/1/1996	NC
8	G8748	7/23/79	Well #1 and Well #2	N/A	N/A	300 gallons per minute (gpm)	10/1/1996	NC
9	S51165	6/8/84	GOOSENECK CREEK > MILL CREEK	N/A	N/A	75 gpm, nte 61 af/yr	10/1/1999	NC
10	G13521	7/12/91	Well #1 and Well #2	N/A	N/A	61 af/year	10/1/2003	NC
11	R12221	7/12/91	GOOSENECK CREEK/MOUNTAIN SPRING RESERVOIR	N/A	N/A	61 af/year	10/1/2001	NC
12	S53238	7/12/91	MTN SPRINGS RESERVOIR > GOOSENECK CREEK	N/A	N/A	61 af/year	10/1/2001	NC

Historical Water Use:

The following table summarizes water use of the District for the last three years and is based on information supplied by and reviewed with Mr. Mark Lyon. See Appendix A for the detailed records.

Buell Red Prairie Water District Total Usage Stats by Calendar Year							
			Gooseneck Creek Source			Total to	Total
Date	Well #1	Well #2	System	Recharge	Total	Users	Pumped
2005							
TOTAL (gallons)	3,429,400	1,126,900	15,310,700	5,371,100	20,681,800	19,867,000	24,811,800
AVERAGE (gallons per day)	9,396	3,087	41,947	14,715	56,662	54,430	67,978
AVERAGE (gallons per minute)	7	2	29	10	39	38	47
TOTAL (acre-feet)	11	3	47	16	63	61	76
2006							
TOTAL (gallons)	2,840,495	605,200	15,372,700	5,535,000	20,907,700	18,818,395	24,353,395
AVERAGE (gpd)	7,782	1,658	42,117	15,164	57,281	51,557	66,722
AVERAGE (gpm)	5	1	29	11	40	36	46
TOTAL (af)	9	2	47	17	64	58	75
2007 (to date)							
TOTAL (gallons)	2,130,665	-	11,729,900	4,159,600	15,889,500	13,860,565	18,020,165
AVERAGE (gpd)	7,805	-	42,967	15,237	58,203	50,771	66,008
AVERAGE (gpm)	5	-	30	11	40	35	46
TOTAL (af)	7	-	36	13	49	43	55

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Comparison of Actual Water Use and Water Rights:

Historical water use summary:

Maximum capacity of existing treatment plant = 80 gallons per minute (gpm).
Well #1 maximum capacity = up to 150 gpm.
Well #2 maximum capacity = 25 gpm.
Maximum recharge rate = 40 gpm.
Maximum annual withdrawal volume from Gooseneck Creek = 64 acre-feet (2006).
Maximum annual recharge volume = 17 acre-feet (2006).
Maximum annual recharge recovery volume = 14 acre-feet (2005).

Future Water Plans:

Maximum new water treatment plant capacity = 120 gallons per minute.
Maximum planned aquifer recharge rate = 75 gpm.
The following table compares actual water use with the use allowed by the various water rights.

Ref#	Permit#	Priority Date	Original Cert #	Transfer Order #	Quantity Per Right	C Date	Actual Use
1	S28946	6/28/63	40054	T6287	0.21 cfs	10/1/1996	80 gpm = 0.18 cfs
2	R4592	9/21/65	40055	T6287	3 af storage	10/1/1996	3 acre-feet
3	S30517	9/23/65	40056	T6287	3 af of stored water	10/1/1996	3 acre-feet
4	R4840	1/19/67	41646	T6287	60.85 af storage	10/1/1996	60.85 acre-feet
5	S31865	1/19/67	41647	T6287	60.85 af of stored water	10/1/1996	60.85 acre-feet
6	R6100	2/16/73	47083	T6291	6 af storage	10/1/1996	0.15 acre-feet
7	S37623	2/16/73	47084	T6291	0.02 cfs	10/1/1996	Not Used
8	G8748	7/23/79	N/A	N/A	300 gpm	10/1/1996	150+25=175 gpm
9	S51165	6/8/84	N/A	N/A	75 gpm, nte 61 af/yr	10/1/1999	40 gpm, 17 af/yr
10	G13521	7/12/91	N/A	N/A	61 af/year	10/1/2003	14 af/year
11	R12221	7/12/91	N/A	N/A	61 af/year	10/1/2001	Not Used
12	S53238	7/12/91	N/A	N/A	61 af/year	10/1/2001	Not Used

Summary of November 19th, 2007, meeting with the Oregon Water Resources Department:

A meeting was held with WRD staff on November 19, 2007. Mark Millikan, Julien Verheyden, and Paul Eckley met first with Gerry Clark of WRD and later with both Kim French and Ann Reece. It was discovered at the meeting that Claims of Beneficial Use forms were filed with the Oregon Water Resources Department on September 30, 1997 for Transfers T-6287 and T-6291. However, the Department has taken no action on the Claims to date. The District does not need to take any further action on these transfers at this time.

We were also told at the meeting that the Department currently has no backlog for processing water right extensions for Quasi-Municipal water uses, which includes the Buell Red Prairie Water District. It appears from the meeting with WRD staff that 1) the Claims of Beneficial Use filings are in the hands of WRD and they will eventually process them; and 2) the District should file for time extensions on the remaining five water rights (the most junior water rights for the District).

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Updated Recommendations:

The recommendations now include:

1) Allow the Claims of Beneficial Use filed in 1997 to move through the WRD process; and

2) File extension requests for the remaining water rights.

This is shown in the following table.

	Permit	Priority Date	Original Cert #	Transfer Order #	Quantity	C Date (Oct 1st)	Actual Use	**Recommendation**
1	S28946	6/28/63	40054	T6287	0.21 cfs	1996	N/A	COBU filed 1997
2	R4592	9/21/65	40055	T6287	3 af storage	1996	N/A	COBU filed 1997
3	S30517	9/23/65	40056	T6287	3 af of stored water	1996	N/A	COBU filed 1997
4	R4840	1/19/67	41646	T6287	60.85 af storage	1996	N/A	COBU filed 1997
5	S31865	1/19/67	41647	T6287	60.85 af of stored water	1996	N/A	COBU filed 1997
6	R6100	2/16/73	47083	T6291	6 af storage	1996	N/A	COBU filed 1997
7	S37623	2/16/73	47084	T6291	0.02 cfs	1996	N/A	COBU filed 1997
8	G8748	7/23/79	N/A		300 gpm	1996	150+25=175 gpm	File Time Extension
9	S51165	6/8/84			75 gpm, nte 61 af/yr	1999	40 gpm, 17 af/yr	File Time Extension
10	G13521	7/12/91			61 af/year	2003	14 af/yr.	File Time Extension
11	R12221	7/12/91			61 af/year	2001	None	File Time Extension
12	S53238	7/12/91			61 af/year	2001	None	File Time Extension

Time Extension Recommendations:

The Oregon Administrative Rules for "Water Right Permit Extensions" are found in OAR Division 315. At our November 19th, 2007, meeting with WRD staff, they indicated that water right permit extension requests for Quasi-municipal water use permit holders would go through a somewhat simplified process if:

1) the service population is less than 1000, and

2) the requested time extension period is no more than 50 years.

The current service population can be estimated from the number of service connections and the estimated number of people living at each connection. For BRPWD, the number of service connections is 299. Using 2.5 persons per connection yields a service population of 748. Using 3.0 persons per connection yields a service population of 897. Both of these numbers are well below the 1000 service population threshold.

The time period requested in the extension is the one from the date at which water right is currently extended to the date the applicant believes, and can demonstrate, the water will be put to full beneficial use. For the five permits in question for BRPWD, the current extension dates range from 1996 to 2003.

For the District's three water rights related to 1) the groundwater wells (G8748), 2) recharging the wells (S51165), and 3) using the stored recharged water (G13521), the District can set its own schedule for developing the unused portion of these rights. This schedule can then be used to justify the requested extension date or dates. The district is planning to improve both recharge rates and withdrawal rates after the completion of the new water treatment plant. The District may want to request a longer time period to allow them time to fully test and incrementally increase groundwater storage and recovery. This could be as much as 40 to 50 years.

The Districts two most junior water rights (R12221 and S53238) are to allow storing and using an additional 61 acre-feet of water from the reservoir. The permits for these water rights imply the District planned to eventually expand the reservoir to gain additional storage capacity. Since the District's customers (299 service connections) are currently using approximately 64 acre-feet of water each year, it can be estimated how long it may take the District to utilize the additional 61 acre-feet of water from growth.

Population growth projection numbers for Polk County have been prepared by Portland State University, and one could assume the District would grow at the same rate each year. Using this approach, the following table shows that the number of service connections in the District could slightly more than double by the year 2045. Assuming

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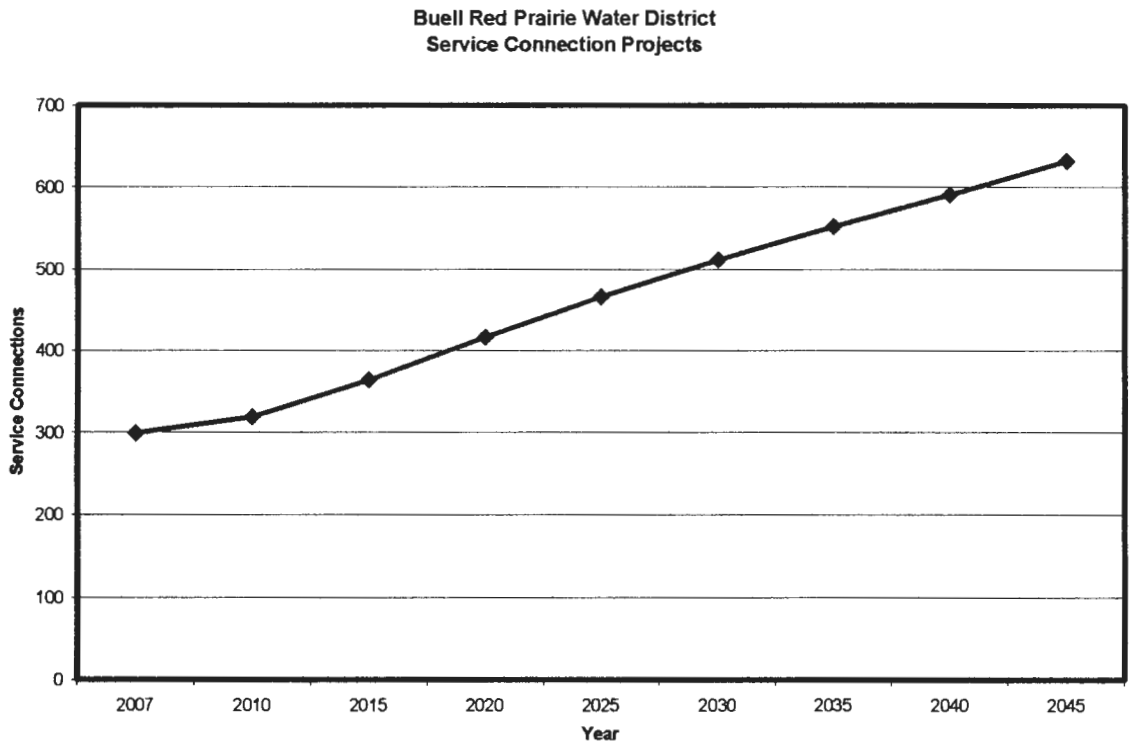
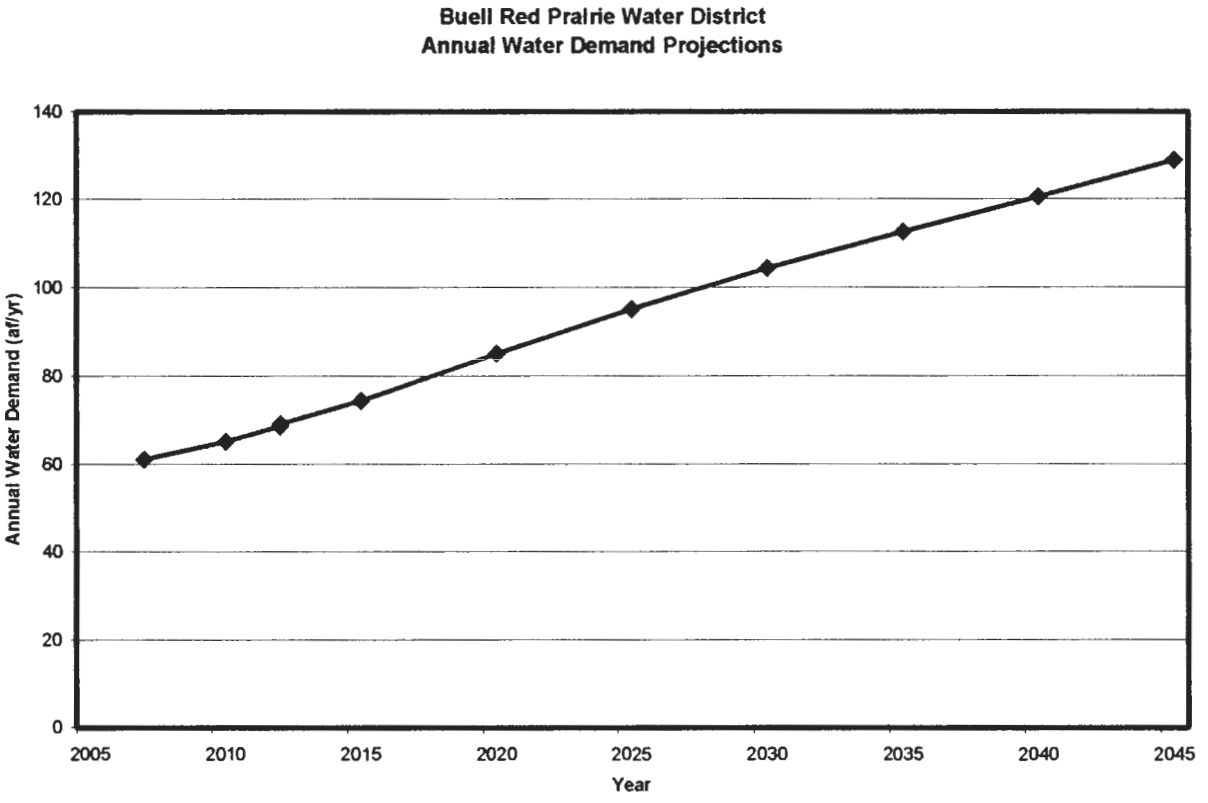
the average use of water per service connection remains the same each year, the District could use this approach to justify the need for the additional 61 acre-feet of water, and request a 44 year time extension (2045 minus 2001, the current extension date). It should be noted that the PSU projections only go to the year 2040, and so to calculate the projections beyond 2040, the last growth rate projection number (1.36%) was repeated. It should also be noted the District has a waiting list of potential customers. They have not been factored into this simple projection.

Growth Rate per Year (Polk County)		2.15%	2.69%	2.74%	2.28%	1.86%	1.55%	1.36%	1.36%
Growth Rate Years		2007-2010	2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045
Year	2007	2010	2015	2020	2025	2030	2035	2040	2045
Service Connections	299	319	364	417	466	511	552	591	632

This information is also shown in the following graph.



The following graph shows projected annual water demand for BRPWD. The projections are based on the same growth rates from Portland State University and the assumption that per capita (or per service connection) water demand will remain the same into the future. This shows that annual water demand will increase from approximately 61 acre-feet per year to approximately 130 acre-feet per year by the year 2045.



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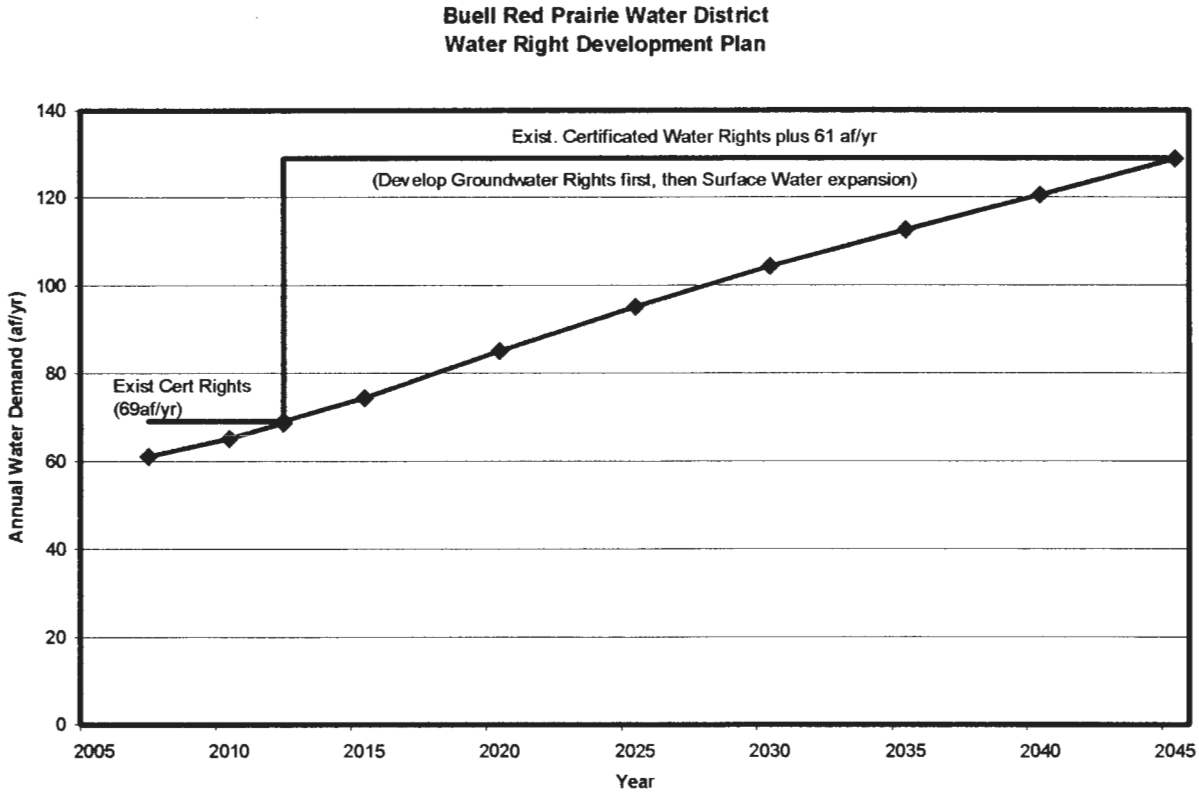
This final graph shows the water right development plan for BRPWD. The existing seven water rights (which Claims of Beneficial Use (COBU) were filed in 1997), match up closely with existing annual water demand. The five water rights for which time extensions are being filed, will provide future water supply for BRPWD for the next 40 to 50 years.



APPENDIX A (Historical Water Usage Records):

Buell Red Prairie Water							
Total Usage Stats by Calendar Year							
			Gooseneck Creek Source			Total to	Total
Date	Well #1 (gal)	Well #2	System	Recharge	Total	Users	Pumped
1/31/2005	401,800	-	1,436,100	769,300	2,205,400	1,837,900	1,837,900
2/28/2005	366,100	120,500	867,600	1,083,700	1,951,300	1,354,200	1,354,200
3/31/2005	479,600	183,300	833,900	987,300	1,821,200	1,496,800	3,192,100
4/30/2005	53,300	31,300	1,361,300	1,048,400	2,409,700	1,445,900	1,445,900
5/31/2005	184,500	30,400	1,293,800	1,037,300	2,331,100	1,508,700	1,508,700
6/30/2005	38,100	61,500	1,971,300		1,971,300	2,070,900	2,954,600
7/31/2005	311,300	103,100	1,039,400		1,039,400	1,453,800	1,453,800
8/31/2005	45,500	92,600	1,599,000		1,599,000	1,737,100	1,737,100
9/30/2005	245,500	120,500	1,872,400		1,872,400	2,238,400	3,190,900
10/31/2005	287,400	129,300	1,086,900	-	1,086,900	1,503,600	1,503,600
11/30/2005	277,800	129,300	1,157,600	-	1,157,600	1,564,700	1,564,700
12/31/2005	738,500	125,100	791,400	445,100	1,236,500	1,655,000	3,068,300
2005							
TOTAL (gallons)	3,429,400	1,126,900	15,310,700	5,371,100	20,681,800	19,867,000	24,811,800
AVERAGE (gpd)	9,396	3,087	41,947	14,715	56,662	54,430	67,978
AVERAGE (gpm)	7	2	29	10	39	38	47
TOTAL (af)	11	3	47	16	63	61	76

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Date	Well #1	Well #2	Gooseneck Creek to System	Gooseneck Creek to Recharge	Total	Total to Users	Total Pumped
1/31/2006	371,800	130,100	909,000	387,300	1,296,300	1,410,900	1,798,200
2/28/2006	266,100	113,400	975,800	1,556,900	2,532,700	1,355,300	2,912,200
3/31/2006	220,500	87,700	1,488,300	1,035,500	2,523,800	1,796,500	2,832,000
4/30/2006	87,700	-	1,227,800	1,414,200	2,642,000	1,315,500	2,729,700
5/31/2006	241,600	-	1,256,100	773,600	2,029,700	1,497,700	2,271,300
6/30/2006	111,000	-	1,554,200		1,554,200	1,665,200	1,665,200
7/31/2006	331,700	78,000	1,724,800		1,724,800	2,134,500	2,134,500
8/31/2006	186,500	41,000	1,740,300		1,740,300	1,967,800	1,967,800
9/30/2006	444,800	23,800	1,549,000		1,549,000	2,017,600	2,017,600
10/31/2006	49,700	28,900	1,031,500	-	1,031,500	1,110,100	1,110,100
11/30/2006	280,670	102,300	922,200	-	922,200	1,305,170	1,305,170
12/31/2006	248,425	-	993,700	367,500	1,361,200	1,242,125	1,609,625
TOTAL (gallons)	2,840,495	605,200	15,372,700	5,535,000	20,907,700	18,818,395	24,353,395
AVERAGE (gpd)	7,782	1,658	42,117	15,164	57,281	51,557	66,722
AVERAGE (gpm)	5	1	29	11	40	36	46
TOTAL (af)	9	2	47	17	64	58	75

Date	Well #1	Well #2	Gooseneck Creek to System	Gooseneck Creek to Recharge	Total	Total to Users	Total Pumped
1/31/2007	761,250	-	870,000	421,800	1,291,800	1,631,250	2,053,050
2/28/2007	40,903	-	1,186,200	1,866,600	3,052,800	1,227,103	3,093,703
3/31/2007	142,211	-	1,279,900	957,800	2,237,700	1,422,111	2,379,911
4/30/2007	99,500	-	1,393,000	526,800	1,919,800	1,492,500	2,019,300
5/31/2007	-	-	1,651,000	386,600	2,037,600	1,651,000	2,037,600
6/30/2007	86,100	-	1,947,200		1,947,200	2,033,300	2,033,300
7/31/2007	213,000	-	1,970,400		1,970,400	2,183,400	2,183,400
8/31/2007	787,700	-	1,432,200		1,432,200	2,219,900	2,219,900
TOTAL (gallons)	2,130,665	-	11,729,900	4,159,600	15,889,500	13,860,565	18,020,165
AVERAGE (gpd)	7,805	-	42,967	15,237	58,203	50,771	66,008
AVERAGE (gpm)	5	-	30	11	40	35	46
TOTAL (af)	7	-	36	13	49	43	55

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Permit Extension Division 86 Plan Condition Review

Date: April 23, 2008

To: Bill Fujii, Field Services

From: Ann Reece, Permit Extension Review

Subject: WMCP review for Extensions of Time for Buell-Red Prairie Water District
App. G-9326 / Permit G-8748; App. G-12608 / Permit G-13521
App. S-66101 / Permit G-51165 App. G-71756 / Permit G-53238
App. R-71755 / Permit G-12221

The above referenced permits are currently being reviewed for an Extension of Time. The permit holder serves a population of less than 1000, but is asking for extensions up to 50 years. In accordance with OAR 690-315-0090(4) and (5), the permit holder is not subject to submittal of a Water Management and Conservation Plan consistent with OAR Chapter 690, Division 86 unless, upon review of the criteria under OAR 690-315-0080(1) and (2), the Department determines submittal of a Plan is necessary.

Permit Information

Permit Holder Name and Mailing Address: **Buell-Red Prairie Water District**
PO Box 367
Sheridan, OR 97378

Source of Water and Rate:

In summary, the Districts water rights total 124.85 AF/year of water from Mountain Springs Ranch Reservoir and 0.9 cfs of water, being .02 cfs from Mountain Springs Ranch Reservoir, 0.21 cfs of live flow (surface water) from Gooseneck Creek, and 0.67 cfs of groundwater. The District also has supplemental use of 61 AF/year from an artificially recharged groundwater system.

POD Locations: SESW, NESE, NWSE, 35, T6S, R7W

Purpose or Use: Quasi-Municipal

Current Population Served: 748

Future Population to be Served: 1725 by year 2051

FuturePeak Demand: 64 AF

Future Peak Demand 125AF/year

Requested Duration of Extension:

App. G-9326 / Permit G-8748 :	50 years – to 10/1/2046
App. G-12608 / Permit G-13521	50 years – to 10/1/2053
App. S-66101 / Permit G-51165	50 years – to 10/1/2049
App. G-71756 / Permit G-53238	50 years – to 10/1/2051
App. R-71755 / Permit G-12221	50 years – to 10/1/2051 (only 10 years allowed under ORS 537.248)

STEP 1: Please choose one of the following options :

1. No Water Management and Conservation Plan (WMCP) required; **or**
   (If you choose Option 1, **go to "STEP 3"** below.)

2. WMCP required within ___ years.
   [Being not more than 3 years from the date of issuance of a final order for extension of time, in accordance with OAR 690-315-0090(3).)]; **or**
   (If you choose Option 2, see "STEP 2" below.)

3. Other*: Please remind them of Conditional WMCP Approval
   (***NOTE to FS staff:*** *Other recommendations may be forwarded with the approval of the Field Services Administrator. [See OAR 690-315-0090(4) and (5)])*
   (If you choose Option 3, see "STEP 2" below.)

STEP 2: ***If you choose Options 2 or 3 above:***

a. *To the best of your ability, the requirement for submittal of a Div. 86 WMCP should coincide with other due dates already in the Muni Plan Access Database;* ***and***

b. *You should provide an explanation that justifies your determination to require a Div. 86 WMCP. The explanation justifying your determination should be expressed in a manner consistent with the Finding of Fact language below. This Finding of Fact language will be included in the Extension of Time Proposed Final Order document.*

Finding of Fact Language for Extension of Time Proposed Final Order
In accordance with OAR 690-315-0090(4) and/or (5), the Department has determined that, based upon ____ , the permit holder shall be subject to OAR 690-315-0090(3) requiring submittal of a new/revised Water Management and Conservation Plan consistent with OAR Chapter 690, Division 86. The required Water Management and Conservation Plan shall be submitted to the Department within ___ years from the date this extension is final.

Justification language: _____

STEP 3: Sign, Date and Return to Extension Staff:

Reviewer's Signature: WMH Date: 4/23/04

December, 27, 1990

MEMORANDUM

To: ~~Mike Mattick~~ Donn Miller - call me MM Looks OK w TOOFW min Flow #s

From: E. George Robison E. George Robison

Concerning: Flows on Gooseneck Creek

Attached are the calculated flows for Gooseneck Creek that you requested me to get. If you look at the attachments you will see that there is flow year round but the flow gets very low during August and September. In looking at the existing water rights there is 600 acre feet diverted for municipal use. If water is diverted equally 365 days a year for this use the flow would be about 0.8 CFS per day taken out of the stream. That would represent water that should be subtracted from the values I gave you. In August and September the streamflows go down to a few cubic feet per second. With the municipal diversion this may almost dry up the stream. However, there is a small reservoir on the stream and maybe this makes up for this demand. Flows from a neighboring gaged watershed (Mill Creek, area 27.4 miles sqrd., see attached streamflows highlighted in Orange) show that the model results are reasonable. By doing a basin to basin ratio on basin area I get an August 50% exceedence flow of 2.4 CFS as compared with 2.7 CFS with the model. There are four separate attachments giving results. I hope this is what you need. If not please give me a call.

cc Fred Lissner Cover only

Attach 1

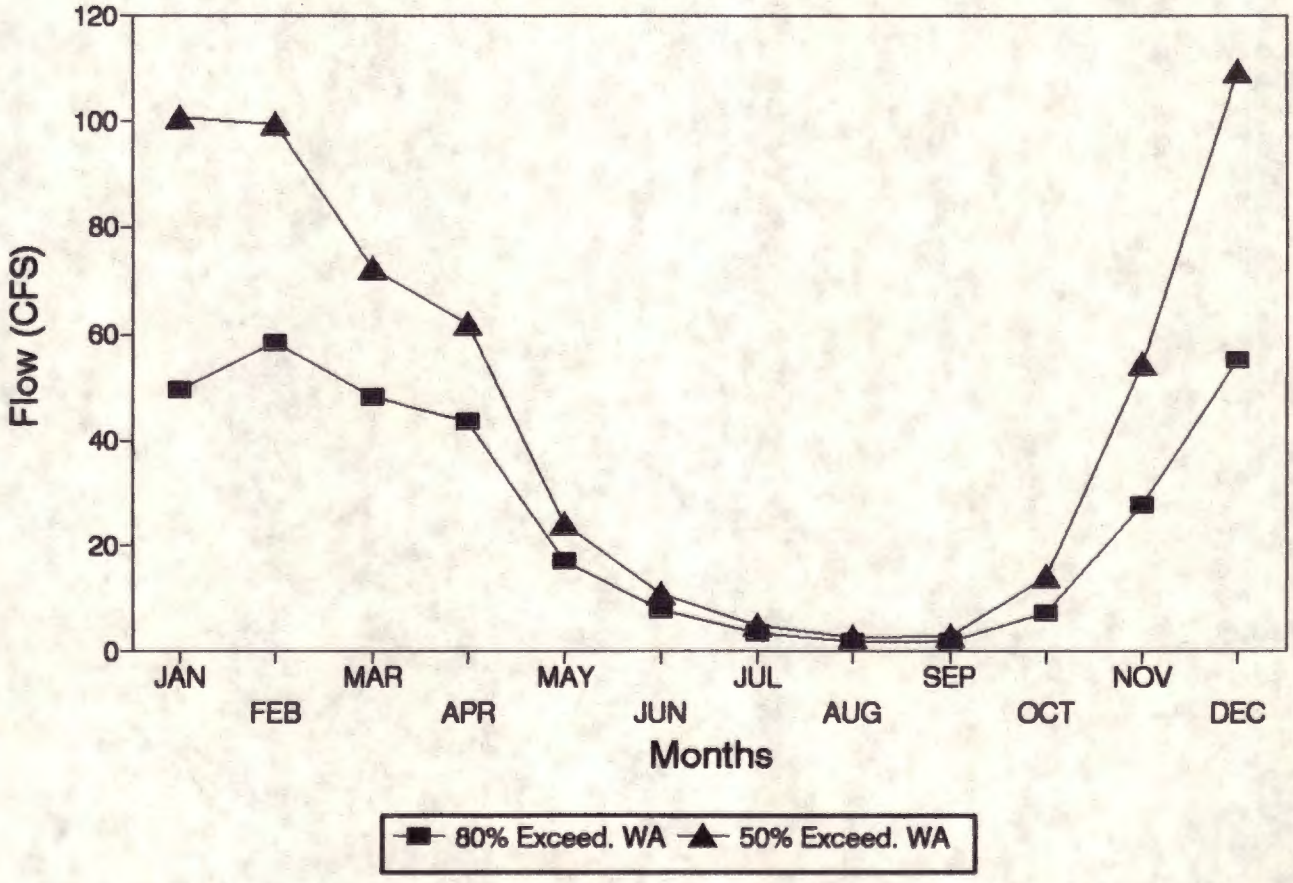
WATER AVAILABILITY TABULATION

Gooseneck Creek at mouth

Months	Pred5	Pred2	Inswr	WA5	WA2
JAN	49.6	100.6	0.0	49.6	100.6
FEB	58.4	99.3	0.0	58.4	99.3
MAR	48.2	72.4	0.0	48.2	72.4
APR	43.4	61.8	0.0	43.4	61.8
MAY	17.1	24.3	0.0	17.1	24.3
JUN	7.9	10.7	0.0	7.9	10.7
JUL	3.5	4.9	0.0	3.5	4.9
AUG	1.8	2.7	0.0	1.8	2.7
SEP	1.9	3.0	0.0	1.9	3.0
OCT	7.2	13.9	0.0	7.2	13.9
NOV	27.7	54.0	0.0	27.7	54.0
DEC	54.8	109.3	0.0	54.8	109.3

2.0 *********
10.9 = Drainage Area
83.2 = Precipitation
18.7 = WR Index
4.8 = SI Index

Water Availability
Gooseneck Creek at mouth



Attach 2.

Santiam R. at Jefferson, Or. #14189000
Located in the SE quarter of sec. 11, town. 10s, and range 3w.

Flows	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
80% Exceed.	7625.9	8604.2	7272.1	7541.4	5839.4	2545.5	990.9	519.7	568.8	1093.4	5106.0	8562.0
50% Exceed.	14097.4	14788.1	10142.4	9949.2	8334.5	3903.6	1441.1	705.3	828.2	2351.4	10314.1	15112.0

Luckiamute R. near Hoskins, Or. #14189500
Located in the NE quarter of sec. 11, town. 10s, and range 7w.

Flows	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
80% Exceed.	255.4	290.6	241.0	128.7	61.0	31.5	17.3	11.0	9.7	22.4	121.6	297.3
50% Exceed.	463.3	455.5	350.3	190.8	87.4	42.8	22.2	14.3	14.2	44.6	256.0	508.5

Luckiamute R. at Pedee, Or. #14190000
Located in the SE quarter of sec. 33, town. 9s, and range 6w.

Flows	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
80% Exceed.	567.8	622.1	492.8	266.5	141.4	67.8	31.3	17.4	17.0	34.2	200.4	593.6
50% Exceed.	1105.9	1021.9	735.9	391.0	200.4	89.6	40.8	23.6	24.8	68.0	449.7	1118.8

Little Luckiamute R. at Falls City, Or. #14190100
Located in the SE quarter of sec. 18, town. 8s, and range 6w.

Flows	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
80% Exceed.	199.3	212.1	166.7	109.2	62.0	34.0	20.7	13.7	12.3	18.4	69.2	171.9
50% Exceed.	344.3	313.9	234.7	150.4	85.1	45.0	25.9	17.6	17.7	35.8	138.0	337.7

Grant Cr. near Falls City, Or. #14190350
Located in the NE quarter of the NW quarter of sec. 34, town. 8s, and range 6w.

Flows	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
80% Exceed.	10.0	14.0	11.1	5.7	2.7	1.1	0.5	0.2	0.1	0.3	1.3	8.1
50% Exceed.	24.7	25.9	16.4	9.0	4.1	1.5	0.7	0.3	0.2	0.5	4.5	29.2

Luckiamute R. near Suver, Or. #14190500
Located in the SW quarter of the SW quarter of sec. 18, town. 9s, and range 4w.

Flows	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
80% Exceed.	1129.3	1241.3	956.7	533.0	269.9	119.2	47.4	24.5	29.7	59.9	363.9	1151.6
50% Exceed.	2244.0	2071.3	1431.6	784.0	379.9	160.5	66.0	36.8	43.5	119.4	826.7	2202.0

Rickreall Cr. near Dallas, Or. #14190700
Located in the SE quarter of the SW quarter of sec. 35, town. 7s, and range 6w.

Flows	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
80% Exceed.	162.9	178.6	127.4	63.3	28.0	10.6	3.5	1.6	2.0	4.9	42.6	167.2
50% Exceed.	401.6	366.7	232.6	112.6	47.1	16.7	5.9	3.0	3.6	12.0	121.2	395.2

Willamette R. at Salem, Or. #14191000
Located in the SE quarter of the SW quarter of sec. 22, town. 7s, and range 3w.

Flows	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
80% Exceed.	24112.1	29443.5	23794.5	21616.8	16271.7	7621.5	4369.7	3255.8	3320.2	4291.1	12845.0	22321.7
50% Exceed.	38500.4	45474.7	33109.9	27975.6	22073.4	10633.5	5421.9	3767.7	3926.9	5878.1	21519.9	39742.1

S. Yamhill R. near Willamina, Or. #14192500
Located in the NE quarter of the SE quarter of sec. 14, town. 6s, and range 7w.

Flows	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
80% Exceed.	784.2	856.4	689.8	373.7	177.3	73.3	31.3	14.8	17.9	59.0	405.8	939.1
50% Exceed.	1493.3	1331.5	1010.0	531.2	255.5	104.0	43.3	23.0	30.4	142.4	869.6	1636.0

Willamina Cr. near Willamina, Or. #14193000
Located in the NE quarter of the NW quarter of sec. 13, town. 5s, and range 7w.

Flows	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
80% Exceed.	321.7	370.1	314.2	182.3	95.0	47.8	25.9	15.9	15.5	26.7	132.8	359.6
50% Exceed.	622.0	584.0	448.4	259.0	128.2	60.7	31.3	19.6	20.5	49.5	283.8	653.8

Mill Cr. near Willamina, Or. #14193300
Located in the NE quarter of the NW quarter of sec. 17, town. 7s, and range 6w.

Flows	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
80% Exceed.	152.3	166.5	148.0	76.3	35.6	16.0	7.8	4.6	4.6	12.2	87.0	194.0
50% Exceed.	318.5	293.0	222.0	116.4	52.5	21.1	9.4	6.1	7.2	27.5	176.9	356.4

S. Yamhill R. near Whiteson, Or. #14194000
Located in the NE quarter of the NW quarter of sec. 5, town. 5s, and range 4w.

Flows	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
80% Exceed.	2253.6	2517.9	1964.3	984.2	448.4	174.8	64.1	27.2	34.6	104.6	775.3	2442.0
50% Exceed.	4592.0	4249.2	2903.0	1484.0	650.1	251.3	92.8	44.6	60.0	257.5	1778.6	4635.5

Attach 3

Page 2

BASIN SUMMARY REPORT

GOOSENECK CR TRIBUTARY OF MILL CR

(1)

TOTAL DIVERTED

TOTAL CFS: 2.65
TOTAL ACF: 608.00

TOTALS BY USE

	AGRICULTURE	INDUSTRIAL	MUNICIPAL	DOMESTIC	RECREATIONAL	MISCELLANEOUS
(CFS)	2.47	0.01	0.00	0.12	0.00	0.05
(ACF)	5.50	0.00	600.00	0.00	0.00	2.50

Equivent to ~1 Cfs

If running equally for 365 days

BASIN SUMMARY REPORT

(2)

GOOSENECK CR TRIBUTARY OF MILL CR

SOURCE > TRIBUTARY	TOTAL DIVERTED	AGRIC.	INDUST.	MUNIC.	DOMEST.	RECREAT.	MISC.	UNKNOWN
GOOSENECK CR > MILL CR	2.40 CFS 605.20 ACF	2.31 4.70	0.01 0.00	0.00 600.00	0.06 0.00	0.00 0.00	0.02 0.50	0
MEADOW CR > GOOSENECK CR	0.00 CFS 0.60 ACF	0.00 0.20	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.40	0
GLENBROOK CR > GOOSENECK CR	0.13 CFS 1.00 ACF	0.11 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.02 1.00	0
UNN STR > GOOSENECK CR	0.04 CFS 1.20 ACF	0.01 0.60	0.00 0.00	0.00 0.00	0.02 0.00	0.00 0.00	0.01 0.60	0
ROWELL CR > GOOSENECK CR	0.08 CFS 0.00 ACF	0.04 0.00	0.00 0.00	0.00 0.00	0.04 0.00	0.00 0.00	0.00 0.00	0

203.70 / 10.9 = 18.69 acres/square mile watershed

$RECNO	SQ-MI	AVG-PRCP	AVG-COND
2	10.90	83.2	4.8

Attach 4.

GIS PROJECT REQUEST FORM

Submitted by: M. Mattick Phone: 276 Date: 12/18/90

Date needed: ASAP

Description of project: Basin Characteristic Determination for Goose Neck Ck, trib to Mill Ck, Trib to Yamhill Ri. Polk County.
Need Avg Precip, soil index and basin area above mouth.

INPUT:

Datasets needed from system (with pathnames):

Datasets to be created (include source document availability, scale, tables, etc):

Comments: Give info to E. George for stream flow evaluation.

Assigned to:

OUTPUT:

Description:

Interim products:

Final plots (include scale, legend, text etc)

Final tables (include items, headings, summaries)

Comments:

Assigned to:

To be filled in at end of project:
Total time: Days ____ Hours ____

Oregon
John A. Kitzhaber, M.D., Governor

Water Resources Department
Commerce Building
158 12th Street NE
Salem, OR 97310-0210
(503) 378-3739
FAX (503) 378-8130

May 19, 1998

BUELL RED PRAIRIE WATER DIST
6430 RED PRAIRIE RD
SHERIDAN OR 97378

REFERENCE: File 66101

We have received your application for extension of the time limits to complete construction and make complete application of water under Permit 51165.

The application indicates reasonable diligence toward completion of the proposed project. The time limits to complete construction and make complete application of water are extended to October 1, 1999. The order approving the extension was entered on May 13, 1998.

If you have any questions, please contact me at extension 272 (503)-378-3739, or toll-free 1-(800)-624-3199.

Sincerely,

Dallas Miller
Water Rights Specialist

DM:jh

enclosure

cc: Bill Ferber, Watermaster

BEFORE THE WATER RESOURCES DIRECTOR OF OREGON

POLK COUNTY

IN THE MATTER OF APPLICATION FOR EXTENSION OF TIME IN WHICH TO COMPLETE CONSTRUCTION WORK AND MAKE COMPLETE APPLICATION OF WATER UNDER PERMIT 51165	)))))	ORDER

The owner of the following water permit issued by the Water Resources Director has submitted an application for extension of the time limits within which to complete the construction work and make complete application of water to beneficial use under their permit.

The Water Resources Director is authorized under the provisions of ORS 537.230 to grant extensions of time for good cause shown, within which to complete work to perfect a water right under a permit;

The statement in the application for extension filed regarding completion of the project indicates that the applicant has shown such reasonable diligence as entitles them to an extension of time; and

No protest or objection to the granting of an extension under the permit has been filed by any subsequent permit holder;

NOW, THEREFORE, it is hereby ORDERED that the extension of time is granted as follows:

				NEW TIME LIMITS TO:	
PERMITTEE	APPL. NUMBER	PERMIT NUMBER	BASIN NUMBER	COMPL CONST.	APPLY WATER
Buell-Red Prairie Water District	66101	51165	2	October 1, 1999	Oct

Dated at Salem, Oregon this 13 day of May, 1998.

Martha O. Pagel
DIRECTOR

Discuss w/ Dwight

Should we extend B. date - only to 97 or C date to 98 for metering

C date can use old RULES per Dwight EXT Thu 10/99 4/24

66101.jh

Special Order Volume 52, Page 47

EXTENSION REVIEW

1-Was construction started by the beginning of construction date on the permit? **Yes**

2-What water right development steps has the permittee completed within the past year ? **System built and operating.**

3-What water right development steps has the permittee completed prior to last year? **Completed pumping facility, pipelines, injection system.**

4-Can the water system be constructed and complete beneficial use of water be accomplished within the time period requested? **Yes**

5-Are the permit conditions being met? **No, more metering measuring device construction necessary.**

6-What percent of the total allowable water use under the permit does the current use represent? **100%**

7-What unforeseen events, if any, delayed development of water system and water use? **Problems constructing adequate metering device for diverted water from source.**

8-Have there been any changes in the market for either water of power since permit was granted which affected development program under the permit? **No evidence of a change.**

9-Has there been any change in demand for water or power since permit was granted? **No**

10-If extension request is denied, is current level of water use under permit feasable? **Yes**

11-Is there an alternative source of water available? **No**

12-Has use of water under the permit caused an adverse impact on surface/groundwater resource in the area? **No**

13-What has been the cost of the project? **Approx $200,000**

14-Was there a previous extension condition, if so, was it met? **None**

Requesting extension B-C date to 10/1/99 to construct metering. Water system built and water used to permit allowance. Recommend extend B-C to 10/1/99 to finish constructing metering devices.

690-10-116

File No. 66101

Application for Extension of Time

TO THE WATER RESOURCES DIRECTOR OF OREGON

I, Buell-Red Prairie Water District
Name

6430 Red Prairie Rd
Mailing Address

Sheridan, OR 97378
City, State, Zip

record owner of water permit No. 51165, do hereby request that the time in which to:

☒ complete the construction of works and/or purchase and installation of the equipment necessary to the use of water, which time now expires on October 1, 1992, be extended to October 1, 1993; and/or the time in which to

☐ accomplish beneficial use of water to the full extent now intended under the terms of said permit, which time now expires on October 1, 19___, be extended to October 1, 19___.

I have accomplished the following described works and/or purchase and installation of equipment necessary to the use of water under said permit:

(1) within the past year water treatment pilot plant studies are now being performed, pumping facilities on impoundment are in place.;

(2) prior to this past year pumping facilities have been installed, recharge levels monitored.;

(3) and have accomplished beneficial use of water to the extent of (IF FOR IRRIGATION, STATE HOW MANY ACRES HAVE BEEN IRRIGATED) _____

(If additional space is required, attach separate sheet)

Edward Butts - Engineer
(If signing for a corporation please identify your title)

12-18-92
$100
REC 95240

Dated 9-29-92

MAIL COMPLETED APPLICATION ~~AND STATUTORY FEE OF $100.00 FOR EACH PERMIT~~ TO:

Water Resources Department
3850 Portland Road N.E.
Salem, Oregon 97310

690-10-116

File No. 66101

Application for Extension of Time

TO THE WATER RESOURCES DIRECTOR OF OREGON

I, Buell-Red Prairie Water District
Name

6430 Red Prairie Rd
Mailing Address

Sheridan, OR 97378
City, State, Zip

record owner of water permit No. 51165, do hereby request that the time in which to:

☒ complete the construction of works and/or purchase and installation of the equipment necessary to the use of water, which time now expires on October 1, 1993, be extended to October 1, 1994; and/or the time in which to

☒ accomplish beneficial use of water to the full extent now intended under the terms of said permit, which time now expires on October 1, 1993, be extended to October 1, 1994

I have accomplished the following described works and/or purchase and installation of equipment necessary to the use of water under said permit:

(1) within the past year continuing to operate pilot studies necessary to treat water in accordance with permit requirements. Final treatment facility expected in 1994.;

(2) prior to this past year pumping facilities in place, temporary treatment facilities are operable.;

(3) and have accomplished beneficial use of water to the extent of (IF FOR IRRIGATION, STATE HOW MANY ACRES HAVE BEEN IRRIGATED) Aquifer recharge has occurred during permitted time frames.

(If additional space is required, attach separate sheet)

Edward Equitz - Engineer
(If signing for a corporation please identify)

TOM Shock

Dated 9-30-93

MAIL COMPLETED APPLICATION AND STATUTORY FEE OF $100.00 FOR EACH PERMIT TO:

Water Resources Department
3850 Portland Road N.E.
Salem, Oregon 97310

690-10-116

File No. 66101

Application for Extension of Time

TO THE WATER RESOURCES DIRECTOR OF OREGON

I, Buell-Red Prairie Water Assoc.
Name

P.O. Box 123
Mailing Address

Sheridan, Oregon 97378,
City State Zip

record owner of water permit No. 51165, do hereby request that the time in which to:

☒ complete the construction of works and/or purchase and installation of the equipment necessary to the use of water, which time now expires on October 1, 1992, be extended to October 1, 1997; and/or the time in which to

☒ accomplish beneficial use of water to the full extent now intended under the terms of said permit, which time now expires on October 1, 1992, be extended to October 1, 1997.

I have accomplished the following described works and/or purchase and installation of equipment necessary to the use of water under said permit:

(1) within the past year Pilot studies are now being performed to determine most appropriate method for water treatment necessary prior to recharge of aquifer. Installation of staff gage on Gooseneck Creek.;

(2) prior to this past year Pumping facilities have been installed, recharge levels monitored.;

(3) and have accomplished beneficial use of water to the extent of (IF FOR IRRIGATION, STATE HOW MANY ACRES HAVE BEEN IRRIGATED) Aquifer recharge has occurred during permitted time frames.

(If additional space is required, attach separate sheet)

12/18/92
100.00
95240

Edward Gatti - Engineer for Buell-Red Prairie
(If signing for a corporation please identify your title)

RECEIVED
DEC 18 1992
WATER RESOURCES DEPT.
SALEM, OREGON

Dated 12-18-92

MAIL COMPLETED APPLICATION AND STATUTORY FEE OF $100.00 FOR EACH PERMIT TO:

Water Resources Department
3850 Portland Road N.E.
Salem, Oregon 97310

66101

Buell Red Prairie Water District

PO Box 367, 6430 Red Prairie Rd., Sheridan, OR 97378

RECEIVED
APR 30 1998
WATER RESOURCES DEPT.
SALEM, OREGON

April 24, 1998

Oregon Water Resources Department
158 12th St. NE
Salem, OR 97310-1210

Attn: Dallas Miller

Dear Mr. Miller,

Re our phone conversation of 4/24/98:

We would like an extension to our permit #51165 application to October 1999 so we can install a metering device under Gooseneck Creek Bridge to measure the stream flow per the conditions of the permit.

Sincerely,

Mark Lyon
Bookkeeper/Maintenance

Oregon

WATER
RESOURCES
DEPARTMENT

June 30, 1992

Mark Millikan
Buell-Red Prairie Domestic Water Assoc.
7680 Harmony Rd.
Sheridan, OR 97378

RE: Annual Recharge Report per Permit 51165

Dear Mark:

The permit which authorizes the appropriation of water for recharge obliges the Association to a number of requirements, including an annual report. That initial recharge report was due on June 15, 1992.

Enclosed is a form for your use in reporting. Also enclosed are copies of my past correspondence on this subject. The matter of modifying the natural water factor from 5 million gallons to 10 million gallons requires a letter from the association to explain why that is appropriate. That will start the process. For now, 5 million is the permit figure.

Please work to meet the several permit conditions. If the Association is confused on what is required, please make an appointment and we'll seek to clarify them.

Sincerely,

Donn Miller
Hydrogeologist

cc: Application File 66101
Dave Jarrett, Watermaster

enclosures

3850 Portland Rd NE
Salem, OR 97310
(503) 378-3739
FAX (503) 378-8130

(This report is due by June 15 of the year following the end of the reported recharge year. For example, the June 15, 1992 report covers recharge year 1991 which started June 1, 1991 and ended May 31, 1992.)

Annual Recharge Report to the Oregon Water Resources Department
Buell-Red Prairie Domestic Water Association
Recharge Year ____
as required by Permit 51165

Discharges During Recharge Year

	from Gooseneck Creek	to Recharge Well
Total in Acre-feet	_____	_____
Max.Rate in gpm	_____	_____
Min. Rate in gpm	_____	_____

General Operations Review During Recharge Year

_____
_____
_____
_____
_____
_____
_____
_____

Estimate of Storage Account at End of Recharge Year

This value is equal to 80% of the recharge over the last 5 recharge years minus the sum of the two well discharges less 5 million gallons per year of natural water over the last four years.

Calculation (in gallons):

Recharge Year	Recharge to well		Credited Recharge	Discharge Well #1&2		Residual
_____	_____	x0.8 =	_____	-[_____ -5 M]	=	_____
_____	_____	x0.8 =	_____	-[_____ -5 M]	=	_____
_____	_____	x0.8 =	_____	-[_____ -5 M]	=	_____
_____	_____	x0.8 =	_____	-[_____ -5 M]	=	_____
_____	_____	x0.8 =	_____	- 0	=	_____
Total			_____	_____		_____

Storage Account Estimate = Total Credited Recharges - Total Discharges over 5,000,000

= _____ - _____ = _____

OVER

Water Levels at Monitoring Wells

Well	Water Levels (ft below LSD) Upper Target	Lower Target	WL & Date	Target Water levels Above Upper	Below Lower	Between Both
Buell-Red Prairie #1(Key)	25	125	_____	____	____	____
Buell-Red Prairie #2	NA	NA	_____	NA	NA	NA
Recharge Well (Key)	0	50	_____	____	____	____
Mike Propes Well	NA	NA	_____	NA	NA	NA
Villager Well	NA	NA	_____	NA	NA	NA

Allowable Use of Stored Water (See Condition 7 of Permit for Explanation)

Number of Key Wells above Target Water Levels: _____ (if 2, use falls in Green Zone)

Number of Key Wells below Target Water Levels: _____ (if 2, use falls in Red Zone)

(If neither Green not Red Zone water levels prevail, default to Yellow Zone

The allowable use of stored water is in the _____ Zone for the next recharge year.

Other Data Pertinent to the Storage Account (if any)

_____
_____
_____
_____
_____
_____
_____
_____

List and Dates of Water Quality Reports Submitted to State Agencies during Recharge Year

_____
_____
_____
_____
_____
_____

Report Submitted by _____Dated _____

Oregon

WATER
RESOURCES
DEPARTMENT

May 10, 1991

Don Capistran
Buell - Red Prairie Domestic Water Assoc.
6890 Frank Rd.
Sheridan, OR 97378

Dear Don:

This letter is a follow-up to our meeting today regarding certain conditions of permit 51165.

1) I will revise the Annual Recharge Report form, making it clearer. Please use it when needed.

2) Please submit your first annual recharge report for 1992 recharge year. This will simplify the accounting to reflect full years under permit.

3) Please consider installing and rating a staff gage on Gooseneck Creek at the Hwy 22 bridge for the purpose of monitoring the instream flow. Dave Jarrett, Watermaster, will advise you. Please call him.

4) Based on the recharge figures historically and discharge from wells #1 & #2, the natural water should be about 10 MGY. I think that this can be formalize prior to the 6/15/92 deadline for the first annual recharge report.

5) The Association should apply for the secondary groundwater permit which allows the use of recharged water. Please do this soon so that a permit can be issued prior to the end of the 1992 recharge year.

Sincerely,

Donn Miller
Hydrogeologist

3850 Portland Rd NE
Salem, OR 97310
(503) 378-3739
FAX 378-8130

Oregon

WATER
RESOURCES
DEPARTMENT

February 19, 1991

Buell-Red Prairie Domestic Water Association
6890 Frank Road
Sheridan, OR 97378

RE: Submittal of Reports Under Terms of Permit 51165

The purpose of this letter is to clarify where the Association should send the reports which are required under Permit 51165. The permit itself does not contain a precise delivery point since agency addresses and organizations may change. This letter gives precise addresses for now. In the future, changes may result and superseding letters will be sent to update reporting locations. Please use the following addresses for the following Water Resources Department permit items.

11.(A) Relating to compliance with the requirements of the Oregon State Health Division.

Report the results only to the Health Division address which is normally used for such requirements. No Direct reporting to Water Resources Department is necessary.

11.(B) Relating to the Oregon Department of Environmental Quality's (DEQ) monitoring and sampling plan in a letter dated January 18, 1991.

Report the results of analyses of water taken at the point of injection at the recharge well to both:

Donn Miller
Groundwater/Hydrology Section
Water Resources Department
3850 Portland Road NE
Salem, OR 97306

and

3850 Portland Rd NE
Salem, OR 97310
(503) 378-3739
FAX 378-8130

STATE OF OREGON

COUNTY OF POLK

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

BUELL-RED PRAIRIE DOMESTIC WATER ASSOCIATION (ASSOCIATION)
6890 FRANK ROAD 503-843-2218
SHERIDAN, OREGON 97378

to use the waters of GOOSENECK CREEK, a tributary of MILL CREEK, for GROUNDWATER RECHARGE. The permit to use these waters is issued under Application 66101. The date of priority is JUNE 8, 1984. The use is limited to the period from October 1 through May 31, not more than 75.0 GALLONS PER MINUTE, and not to exceed 61.0 ACRE-FEET each recharge period/year, measured at the point of diversion.

The point of diversion is located as follows:

SE 1/4 SW 1/4, Section 35, T 6 S, R 7 W, W.M.; North 59 Degrees, 25 Minutes West, 1121 feet from S 1/4 corner Section 35.

The permittee shall appropriate water from Gooseneck Creek only when the following instream flows in cubic feet per second are maintained at the mouth of Gooseneck Creek:

OCTOBER	NOVEMBER THROUGH MAY
1.0	10.0

The water user shall install and maintain an in-line flow meter, weir, or other suitable device, of a type and at a location to be approved by the watermaster, for measuring or recording the above instream flows:

The use of water allowed under this permit shall conform to such reasonable rotation system as may be ordered by the proper state officer.

The place of use is the recharge well which is located as follows:

SW 1/4 SE 1/4
SECTION 35
TOWNSHIP 6 SOUTH, RANGE 7 WEST, W.M.

This permit is also subject to the following conditions:

1. Meters: The permittee shall meter the water withdrawn at the diversion and meter the water injected into the recharge well.

2. Records, inspections: The permittee shall keep accurate and current records of daily metered values, water levels and other operational information. The Water Resources Director (Director) may inspect the records and works covered by this permit upon one day notice and at any reasonable time.

3. Estimated data: When data are missing in whole or in part, the Director may make estimates from available data. Those estimates shall be reasonable and, where a range of uncertainty exists, conservatively low on water delivered to the place of recharge.

4. Water level monitoring: Once each year between April 1 and June 1, the permittee shall measure and record the depth to water below land surface in each of the following wells to 1 foot accuracy. Prior to the determinations, recharge and pumping shall be suspended by the permittee for at least seven days. Two of the wells are not controlled by the Association, however the permittee shall attempt to cooperate with the other owners to obtain these measurements.

Well Location	Common Name	Remarks
T6S/R7W-35db	Buell-Red Prairie #1	
T6S/R7W-35da	Buell-Red Prairie #2	
T6S/R7S-35dc	Recharge Well	
T6S/R7W-35ca	Mike Propes Well	Not controlled by Association
T6S/R7W-35db	Villager Well	Not controlled by Association

5. Target water levels in key wells: This permit designates two existing wells as key wells in the water level monitoring program. As determined between April 1 and June 1 of each year, actual water levels at these wells shall be compared to the target levels to determine allowable use as indicated under the allowable use of stored water condition. Key wells and associated target levels are:

Target Levels
(feet below Land Surface Datum)

Well Location	Common Name	Upper	Lower
T6S/R7W-35db	Buell-Red Prairie #1	25	125
T6S/R7W-35dc	Recharge Well	0	50

6. Storage account for the determination of stored recharge water: The Water Resources Department (WRD) shall make final determinations on stored groundwater. This shall occur through a storage account which covers this permit. The storage account shall be based on recharge and secondary permit withdrawals over only the preceding five recharge years. For this permit, the recharge year is the period from June 1 through May 31 of each year. It shall be credited at 80% of water metered to the place of recharge. Withdrawals of stored water shall be debited at 100% of metered values at wells covered by a secondary permit(s). The debit applies to that portion of withdrawals which are in excess of the permittee's natural water pumpage of 5 million gallons annually under Permit G-8748. The permittee may obtain information on the storage account from the WRD by submitting a written request.

7. Allowable use of stored recharge water: The availability of recharge water stored under this permit is based on the priority of secondary groundwater rights and the allowable use of stored recharge water. The allowable use of stored recharge water during any water year falls into 3 categories. For ease of reference, these categories are named as color zones.

(A) Green zone: If recent water levels as determined between April 1 and June 1 at the two (2) key wells are above the upper target levels, use is allowed up to the maximum of the storage account.

(B) Yellow zone: If neither Green zone nor Red zone water levels prevail, use is allowed up to 80 percent of the recharge volume for the preceding 12 months.

(C) Red zone: If recent water levels as determined between April 1 and June 1 at two (2) key wells are below the lower target levels, no use of recharged water is allowed the following recharge year.

8. Permit assignment: A potential assignee shall prove, to the Director's satisfaction, the financial capability to construct uncompleted portions of, and operate, the project authorized by the permit.

9. Mitigating unforseen effects:

(A) If, under actual operation of the recharge project, the Director notifies the permittee that the Director has reason to believe there are adverse groundwater quantity or quality effects, the permittee shall cease recharge activities. No further diversion shall be made until measures to prevent, correct or monitor those adverse effects have been agreed to and implemented.

(B) If, in the judgement of the Director, project performance or other hydrologic circumstances indicate that provision(s) in this permit are an unnecessary hardship, or are either inappropriate or inadequate to monitor or manage the quantity or protect the quality of the groundwater resource, the Director may modify target water levels, key wells, the storage account credit factor, the storage account, or any other term of this permit as necessary to remedy the deficiencies.

10. Technical oversight: The construction and operation of the recharge project shall be overseen by a professional registered civil engineer(s) licensed to practice in Oregon.

11. Other state or federal agency requirements:

The following conditions are notices of requirements of other Oregon state agencies. The permittee shall correspond directly with each agency regarding monitoring, reporting and any other requirements. Reports shall only be submitted to the requiring agency, unless otherwise specified herein.

The WRD will enforce these conditions in a manner similar to other conditions in this permit but only upon notice of noncompliance and request for enforcement from the responsible agencies.

Conditions 11(A) and (B) shall remain in effect unless and until WRD receives a written agreement signed by the permittee and responsible agencies to modify the conditions.

(A) The permittee shall comply with the requirements of the Oregon State Health Division.

(B) The permittee shall provide appropriate groundwater quality protection as specified by the Oregon Department of Environmental Quality (DEQ). The DEQ monitoring and sampling plan for this project was submitted to the WRD by letter of January 18, 1991, and is, by reference, included as part of this permit.

12. Water conservation program: Within one year from the date the Water Resources Commission adopts rules describing the schedules, standards and procedures for water management plans by water suppliers, the Association shall submit a plan which is consistent with the rules.

13. Annual and other reports:

(A) The permittee shall submit an annual report to the WRD and any secondary permittee by June 15 of each year. That report shall include the range of diversion and recharge rates and total quantities diverted and recharged during the prior recharge year (ending May 31) as metered under conditions 1, 2, and 3. In addition, the report shall include the water level data from condition 4, the permittee's estimate of the storage account under condition 6, a brief narrative describing operational factors related to the recharge project and conditions 8, 9, 10, 12, and a list of the dates of any reports submitted to other agencies under condition 11.

(B) The permittee shall submit, as scheduled, any reports required by other agencies as specified under condition 11.

The wells shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works constructed shall include an air line and pressure gauge or an access port for measuring line, adequate to determine water level elevation in the well at all times.

This development was reviewed and approved by the Water Resources Commission on FEBRUARY 1, 1991.

Actual construction work shall begin on or before February 4, 1992 , and shall be completed on or before October 1, 1992. Complete application of the water to the use shall be made on or before October 1, 1993.

This permit is for the beneficial use of water without waste. By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

Issued this date, FEBRUARY 4, 1991.

William H. Young

Water Resources Department
William H. Young
Director

RECEIVED
JAN 22 1991
WATER RESOURCES DEPT.
SALEM, OREGON

Oregon

DEPARTMENT OF ENVIRONMENTAL QUALITY

January 18, 1991

Donn Miller, Hydrogeologist
Water Resources Department
3850 Portland Road NE
Salem, OR 97310

Re: Buell-Red Prairie Water Association Recharge Project
Polk County

Dear Mr. Miller:

This will refer to the proposed Buell-Red Prairie Water Association aquifer recharge project permit that the Water Resources Department (WRD) is considering for issuance. The recharge project consists of a surface water diversion pond, water treatment system and a recharge well. Buell-Red Prairie plans to divert water from the Gooseneck Creek to a sand filter and disinfection treatment system. About half of the treated water will be routed to the existing water supply distribution system and the other half will be injected into an existing recharge well. Stored water will be withdrawn from a nearby well which supplies the Buell-Red Prairie domestic water distribution system.

In order to protect the recognized beneficial uses of the groundwater in the area, it is the Department's opinion that an adequate monitoring and sampling plan should be included in the proposed permit.

The draft of the monitoring and sampling plan has been discussed during the meeting with the officers of Buell-Red Prairie Water Association, Mr. Edward Butts, consultant of the association, DEQ and WRD on December 17, 1990. It was agreed that the monitoring and sampling plan be incorporated in the proposed water appropriation permit. In a subsequent discussion with you and Mr. Edward Butts, other minor changes in the monitoring plan were made.

811 SW Sixth Avenue
Portland, OR 97204-1390
(503) 229-5696

DEQ-1

As provided in the Memorandum of Agreement between DEQ and WRD, a groundwater recharge project does not need a separate DEQ water quality permit. Any concerns on water quality can be addressed in the water appropriation permit that will be issued by WRD.

Therefore, we recommend that the attached monitoring and sampling plan be incorporated in the Buell-Red Prairie Water Association recharge project water appropriation permit.

If you have any further questions, feel free to call me at 229-5876.

Sincerely,

Rene C. Dulay
Industrial Waste Specialist
Water Quality Division

RCD:crw
IW\WC7700
Enclosure
cc: Charles K. Ashbaker, DEQ
Willamette Valley Region, DEQ

MONITORING AND SAMPLING PLAN

1. Unless otherwise agreed in writing by the Water Resources Department, data collected, and submitted shall include but not necessarily be limited to the following parameters and minimum frequencies:

Recharge Well

	Item or Parameter	Minimum Frequency*	Type of Sample
P/A	Total Coliform	Monthly	Grab
10 mg/L	Nitrate (as N)	Monthly	Grab
6-9	pH	Monthly	Grab
500 +/-	Total Dissolved Solids	2 per year	Grab

Inorganic Chemicals

0.05	Arsenic	Annual	Grab
1.00	Barium	Annual	Grab
0.01	Cadmium	Annual	Grab
0.05	Chromium	Annual	Grab
NO MCL NOW	Copper	Annual	Grab
4.0	Fluoride	Annual	Grab
0.3	Iron	Annual	Grab
0.05	Lead	Annual	Grab
0.05	Manganese	Annual	Grab
0.002	Mercury	Annual	Grab
0.01	Selenium	Annual	Grab
0.05	Silver	Annual	Grab
0.10	Total Trihalomethanes	Annual	Grab

* Water shall be sampled for the required analyses at the point of injection at the recharge well.

2. Water to be recharged shall be analyzed for organic chemicals and regulated volatile organic compounds (VOC) in the frequency required by the Drinking Water Section of the Oregon Health Division. The data shall be submitted to the Water Resources Department within 45 days after sampling of the recharge well.

3. Recharge activities shall cease when any of the following conditions occur during the injection of treated water to the recharge well:

   a. Nitrate level of recharge water exceeds 5.0 mg/l.

   b. Total coliform shall not exceed <1/100 ml**.

   c. Concentration of any of the Inorganic Chemicals in the recharge water exceeds one half (1/2) of the Safe Drinking Water Standard Maximum Contaminant Levels.

   d. pH shall be within the range 6.5 - 8.5.

   e. Any of the Organic Chemicals or Volatile Organic Compounds is detected in the recharge water using approved analytical procedures under the Safe Drinking Water Act.

   ** Total coliform analyses are to be conducted using the 10-tube Multiple Tube Fermentation (MTF) Technique.

   Recharge activities shall resume only if contaminant levels as specified in Item 3 are not exceeded or if measures to prevent, correct and/or monitor any adverse groundwater quality or quantity effects have been agreed to and implemented.

4. The permittee shall submit the data required by the Health Division in monitoring of organic chemicals for community water systems.

(This report is due by June 15 of the year following the end of the reported recharge year. For example, the June 15, 1991 report covers recharge year 1991 which started June 1, 1990 and ended May 31, 1991.)

Annual Recharge Report to the Oregon Water Resources Department
Buell-Red Prairie Domestic Water Association
Recharge Year ____
as required by Permit 51165

Discharges During Recharge Year

	from Gooseneck Creek	to Recharge Well
Total in Acre-feet	_____	_____
Max.Rate in gpm	_____	_____
Min. Rate in gpm	_____	_____

General Operations Review During Recharge Year

_____
_____
_____
_____
_____
_____
_____
_____

Estimate of Storage Account at End of Recharge Year

This value is equal to 80% of the recharge over the last 5 recharge years minus the sum of the two well discharges less 5 million gallons per year of natural water over the last four years.

Calculation (in gallons):

Recharge Year	Recharge to well			Credited Recharge	Discharge Well #1&2		Residual
_____	_____	x0.8	=	_____	- _____ -5 M	=	_____
_____	_____	x0.8	=	_____	- _____ -5 M	=	_____
_____	_____	x0.8	=	_____	- _____ -5 M	=	_____
_____	_____	x0.8	=	_____	- _____ -5 M	=	_____
_____	_____	x0.8	=	_____	- 0	=	_____
Total				_____	_____		_____

Storage Account Estimate = Total Credited Recharges - Total Discharges over 5,000,000

= _____ - _____ = _____

OVER

61101

RECEIVED
MAY 11 1998
WATER RESOURCES DEPT.
SALEM, OREGON

Buell Red Prairie Water District

PO Box 367, 6430 Red Prairie Rd., Sheridan, OR 97378

May 6, 1998

Oregon Water Resources Department
158 12th St. NE
Salem, OR 97310-1210

Attn: Dallas Miller

Dear Mr. Miller,

Re our phone conversation of 4/24/98:

We would like an extension to our permit #51165 application to October 1999 so we can install a metering device under Gooseneck Creek Bridge to measure the stream flow per the conditions of the permit.

Sincerely,

John Cruickshank
Board, Buell Red Prairie Water District

Oregon
John A. Kitzhaber, M.D., Governor

Water Resources Department
Commerce Building
158 12th Street NE
Salem, OR 97310-0210
(503) 378-3739
FAX (503) 378-8130

March 6, 1998

BUELL RED PRAIRIE WATER DIST
MARK LYON
6975 RED PRAIRIE RD
SHERIDAN, OR 97378

REFERENCE: File 66101

Mr Lyon:

This letter is regarding your request for extension of time limits for permit 51165. The time limit to develop the permit ended on 10/1/93, you requested we extend those limits. Before we can process the time extension we need to evaluate your compliance with the permit conditions.

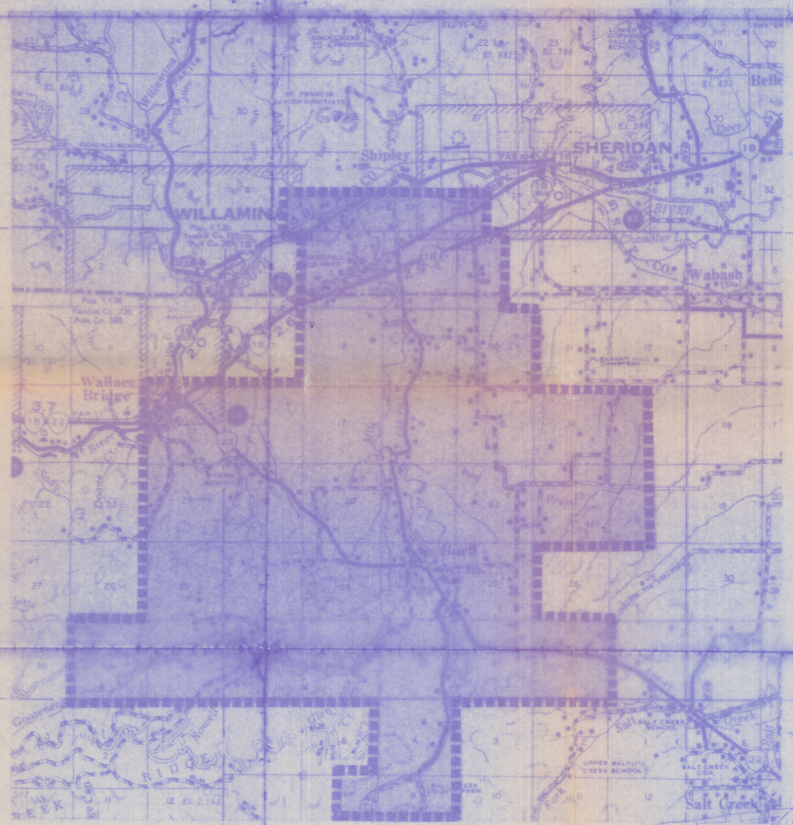
To do that we would like to meet with you to discuss what is expected of permit condition compliance and determine if we can extend this permit. Please contact me by phone or letter so I can set up a meeting between us and department staff.

If you have questions please contact me at the address below or phone (503)378-3739 ext. 272.

Sincerely,

Dallas Miller
Water Rights Specialist

cc: Watermaster, District 16, Don Miller, Dwight French



WATER RIGHTS USE AREA-SYSTEM MAP

POLK & YAMHILL COUNTIES, ORE.

SCALE: 1" = 1 MILE



SOURCE OF SUPPLY LOCATION

SCALE: 1" = 200'

MOUNTAIN SPRINGS ESTATES
SECTION 35, T.6S., R.7W., W.M.
POLK COUNTY, OREGON

RECEIVED
SEP 18 1993
WATER RESOURCES DEPT.
SALEM, OREGON

Application No. 66101
Permit No. 51165

BUELL-RED PRAIRIE WATER ASSOCIATION POLK & YAMHILL COUNTIES, OREGON			
WATER RIGHTS MAP			
Scale: As Shown	Date: JULY 1979	Revised 7-15-83	
Design MGB	BOATWRIGHT ENGINEERING INC.		SHEET
Drawn JD/MM	12613 Twelfth Street S.E.		1
Checked JRH	SALEM, OREGON 97302		1

Completion Checklist for CWRE Claims of Beneficial Use

Application # S-66101
Permit # S-51165
Transfer # _____
Date 3/30/2009
Reviewer CJ.

Date Received 3/30/2009
CWRE Name Paul Ecklein
Claim Logged 3-30-2009
File Marked 3-30-2009
Oversized Map # 0416
Read and attach copy of permit or transfer
postcard mailed 4/1/2009

"C" Date: 10-1-1993

Map Review:

- ✓ Map on polyester film
- ✓ Application & permit #; or transfer #
- ✓ Disclaimer
- ✓ North arrow
- ✓ CWRE stamp and signature
- ✓ Appropriate scale (1" = 1320', 1" = 400', or the original full-size scale of the county assessor map)
- ✓ Township, range, section, and tax lot numbers
- ✓ Source illustrated if surface water
- ✓ Point(s) of diversion or appropriation (illustrated)
- ✓ Point(s) of diversion or appropriation (coordinates)
- ✓ Conveyance structures illustrated (pump, pipelines, ditches, etc.)
- ✓ Description of the location, in relation to the point of diversion or appropriation, of any fish screens, by-pass devices, and measuring devices required – Where's POD meter? – Extension?
- ✓ Place of use (1/4 1/4, or projected 1/4 1/4 lines within DLCs, or Gov Lots; if irrigation, # of acres in each subdivision; if for domestic or human consumption, location of dwelling or spigot) – Check w/ Gaiser about this –
- _____ Checked to legal description –

Report Review:

- ✓ On form or format provided by the Department
- ✓ Application & permit #; or transfer #
- ✓ County
- ✓ Tax lot information
- ✓ Date of survey
- ✓ Person interviewed
- ✓ Ownership information
- ✓ Source(s) of water
- ✓ Point of diversion/appropriation location
- ✓ Use, period of use, and rate for use
- ✓ Place of use location
- ✓ Type of use
- ✓ Extent of use
- ✓ Rate and Duty
- ✓ Diversion rate for each use
- ✓ Description of conveyances system (from POD to POU)
- ✓ Diversion works description (pump make, serial model, capacity, and description)
- ✓ System capacity
  - _____ Calculated capacity of system (required)
  - _____ Measured amount of use (optional)
- _____ Permit conditions
  - _____ Time limits
  - _____ Initial water level measurements
  - _____ Annual static water level measurements
  - Measurement, recording, and reporting
    - _____ Meter/measuring device
    - _____ Water use reporting
  - _____ Fish screening and/or by-pass
  - _____ Pump test (ground water)
  - Other conditions

_____ _____

_____ _____

- ✓ CWRE stamp and signature
- ✓ Signature(s) of permittee of transfer holder

Eckley Engineering
Civil & Environmental Engr;Water Rights
Paul L. Eckley, P.E.
Consulting Engineer
579 Juntura Court SE
Salem, Oregon 97302
503-364-8199
pauleckley@comcast.net

Certificate Issuance Processing Checklist

_____Map and COBU reviewed
_____Conflict check (include copy of plat card printout) Any Conflicts? _____
_____Check current ownership

Staff Recommendations:

_____ Proof to the Satisfaction has been established to the full extent as described in the permit or transfer order.

_____ Proof to the Satisfaction has been not been established to the full extent as described in the permit or transfer order and the right should be limited as follows: _____
_____
_____
_____
_____

_____ Proof to the Satisfaction has not been established for the following reasons: _____
_____
_____
_____
_____

Proposed Actions:
Send letter requesting the following items/information:_____
_____
_____
_____
Send letter recommending extension to cure deficiencies:_____
_____
_

Can certificate be processed further?
_____Yes

If "Yes":
_____Proposed
_____Final Certificate #_____

Mailing list:

Proposed:

Final:

This form is subject to revision. Begin each new claim by checking for a new version of this form and downloading a new one if necessary.

If you have questions regarding the completion of this form, contact:

Gerry Clark by e-mail at Gerald.E.CLARK@wrd.state.or.us or by phone at 503-986-0811,

Or Jerry Gainey by e-mail at Jerry.W.GAINEY@wrd.state.or.us or by phone at 503-986-0812.

The Department has a new program that allows a permit holder to pay the cost to have a private contractor review of the claim and, if appropriate, prepare a certificate. This new program means a certificate can be issued in about a month. The Department has a list of trained contractors that are selected on a rotating basis. For more information on this program see: http://www.wrd.state.or.us/programs/index.shtml.

**This box can be deleted

Oregon Water Resources Department
725 Summer St. NE, Suite A
Salem, OR 97301-1266

RECEIVED
MAR 30 2009
WATER RESOURCES DEPT
SALEM, OREGON

CLAIM OF BENEFICIAL USE

The completion of this form is required by OAR 690-014-0100(1) and 690-014-0110(4).

Please type or print in dark ink. If this form is found to contain errors or omissions, it may be returned to you. Every numbered item must have a response. If any requested information does not apply to the Claim, insert "n/a." Do not delete any section of this form unless directed by the form. The Department may require the submittal of additional information from any water user or authorized agent. **A separate form shall be completed for each permit or transfer final order**.

I. General Information

1. File Information

Application Number (G, R, S or T)	Permit Number (if applicable)
S-66101	S-51165

2. Property owner (current owner information)

a. Individuals

Name	N/A	
Mailing Address		
City/State/Zip		
Phone #		
Fax #		
e-mail address		

b. Businesses/Organizations

Name	Buell Red Prairie Water District
Contact Person and Title	Mr. Mark Millikan, Chairman
Mailing Address	P.O. Box 367
City/State/Zip	Sheridan, OR 97378
Phone	(503)843-2548
Fax	N/A
e-mail	N/A

If the current property owner is not the permittee or transfer holder of record, it is recommended that an assignment be filed with the Department. The COBU must be signed by the permit/transfer holder of record.

3. Permittee / Transferee of record (this may, or may not, be the current property owner)

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MAR 30 2009
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SALEM, OREGON

c. Individuals

	Individual 1	Individual 2
Name	N/A	
Mailing Address		
City/State/Zip		

d. Businesses/Organizations

Name	Buell Red Prairie Water District
Contact Person and Title	Mr. Mark Millikan, Chairman
Mailing Address	P.O. Box 367
City/State/Zip	Sheridan, OR 97378

4. Date of Site Inspection:

5. Person(s) interviewed and description of their association with the project:

Name	Date	Association with the project
Mr. Mark Lyon	Oct. 2008	BRPWD Manager
Mr. Mark Lyon	Feb. 2009	BRPWD Manager

6. County: Polk County

7. Tax Lot Information:

Tax map number	Tax lot number
6.7.35	2101-POD (point of diversion)
6.7.35	1500-POU (point of use)

8. If any property described in the place of use of the permit or transfer final order is excluded from this report, identify the owner of record for that property (ORS 537.230(3)):

**Mark "NA" if there are no owners of property not included in this claim

Name	N/A
Contact Person and Title	
Mailing Address	
City/State/Zip	
Phone #	

Name	
Contact Person and Title	
Mailing Address	
City/State/Zip	

Phone #	

II. Points of Diversion/Appropriation and Place of Use

For each point of diversion or appropriation, provide the following information. If the claim is for more than one point of diversion/appropriation, copy and complete this section for each point of diversion or appropriation.

1. Provide a general narrative description of the distribution works. This description must trace the water system from the point of diversion or appropriation to and include the place of use:

The waters of Gooseneck Creek are stored in a reservoir owned by Buell Red Prairie Water District. The stored water in the reservoir is piped to a water treatment plant. The treated drinking water from the plant is piped to a recharge groundwater well, where it is metered before being discharge down a groundwater recharge well. The stored recharge water is pumped back out using two separate wells into the water distribution system for use by the Buell Red Prairie Water District customers.

2. Point of diversion/appropriation name or number (correspond to map):

Point of diversion/appropriation name or number (correspond to map)	Well log ID # for all work performed on the well (if applicable)	Well tag # (if applicable)
POD	N/A	N/A

Attach each well log available for the well (include the log for the original well and any subsequent alterations, reconstructions, and deepenings)

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SALEM, OREGON

3. Point of diversion/appropriation source and, if from surface water, the tributary:

Source	Tributary to
Gooseneck Creek (reservoir)	Mill Creek

4. Point of diversion/appropriation location:

(DLC, Government Lot, ¼ ¼, Section, Township, Range)	Reference to a recognized public land survey corner by distance and bearing or by coordinates
SE1/4, SW1/4, Section 35, T6S, R7W, W.M.	

5. Actual use(s), period of use, and rate for each use:

Uses	If irrigation, list crop type	When water is used	Rate for use
Groundwater Recharge	N/A	October 1st through May 31st each year.	61 Acre-feet/year, 75 gallons per minute.

Total Quantity of Water _____

6. Place of use for the point of diversion or appropriation:

DLC	Gov lot	1/4 1/4	Section	Township	Range	Use	# of primary acres	# of supplemental acres
		SW,SE	35	6S	7W	GW	Recharge	N/A

Total Acres Irrigated **N/A_____**

Groundwater Source Information (Well and Sump)
**If the appropriation is not from ground water (well or sump), this section, items 1-5, can be deleted.

*** Appropriation from this permit is not from ground water and so this section has been deleted.**

Reservoir Data
**If this claim is not for a reservoir, or the system does not involve a reservoir as part of the distribution system, this section, items 1-7, can be deleted.

*** This claim is not for a reservoir, so this section has been deleted.**

Storage tank data
**If this system does not include a storage tank as part of the distribution system, this section, item 1, can be deleted.

Gravity flow pipe (The Department typically uses the Hazen-William's formula for a gravity flow pipe system)

The treated water from Gooseneck Creek is piped through a 6-inch pipeline and metered before being discharged down the recharge well.

Gravity flow canal or ditch (The Department typically uses Manning's formula for canals and ditches)

**If this claim does not rely on a gravity flow canal or ditch to convey the water as part of the distribution system, this section, items 1-3, can be deleted.

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This section does not apply.

System Information:

Provide the following information concerning the diversion and delivery system. Trace the flow of water from the point of diversion/appropriation to the place of use.

1. Pump information

Brand	Model	Serial Number	Type (centrifugal, turbine or submersible)	Intake size	Discharge size
N/A					

2. Motor information

Brand	Model	Horsepower	Max RPM	Voltage
N/A				

3. Meter information (if required in permit or transfer final order)

Make	Serial #	Condition (working or not)	Current meter reading	Notes
Neptune	34833881	Working	Unk	This meter is not the meter which was in use during 1992, 1993, and 1994.

4. Measurement device description

Device description	Condition (working or not)	Notes

5. Measured pump capacity (using meter if meter was present and system was operating)

Initial meter reading	Ending meter reading	Duration of time observed	Total pump output
N/A			

6. Theoretical pump capacity

Horsepower	Operating psi	Lift from source to pump *If a well, the water level during pumping (see pump test results)	Lift from pump to place of use	Total pump output
N/A				

7. Provide pump calculations in the box below:

N/A

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8. Mainline information

Mainline size	Length	Type of pipe	Buried or above ground
6-inch	1,300-feet	PVC	Buried (plant to well)

9. Lateral or handline information

Lateral or handline size	Length	Type of pipe	Buried or above ground
N/A			

10. Sprinkler information Make and model:

Make	Model	Size	Operating psi	Sprinkler output	Maximum number used	Total sprinkler output
N/A						

Refer to the chart of sprinkler output at various pressures for most nozzle sizes attached to this document.

$$Q_{\text{sprinklers}} = \frac{(\text{max \# heads})(\text{gpm/head})}{448.8\ \text{gpm/cfs}} = \text{cfs}$$

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11. **Additional notes or comments related to the system:**

III. CONDITIONS

Please pay special attention to this section. All conditions contained in the permit or transfer final order shall be addressed. Reports that do not address all performance related conditions will be returned.

1. **Time Limits:**

a. Permits or transfer Final Orders contain any or all of the following dates; the date when the actual construction work was to begin, the date when the construction was to be completed, and the date when the complete application of water to the proposed use is to be completed by. These dates may be referred to as ABC dates. Describe how the water user has complied with each of the development timelines established in the permit or transfer final order:

	Dates from permit or transfer final order	Date accomplished	Description of actions taken by water user to comply with the time limits
Begin construction	02-04-92	1988	Annual reports show recharge began 1988/1989
Complete construction	10-01-99	1988	
Complete application of water	10-01-99	1991-1992	Annual recharge report shows 86 af and 75 gpm for 1991/1992 water year.

2. **Initial Water Level Measurements:**
**If the Claim is for surface water or a reservoir, or if the water user was not required to submit static water level measurements, items b through e relating to this section can be deleted.

a. Was the water user required to submit an initial static water level measurement? (YES) NO NA

b. What month was the initial measurement to be taken in? April 1st to June 1st.

c. Did an authorized individual (as stated in the permit or transfer final order) make the initial static water level measurement in the month required?
(YES) NO

d. If "YES", was the measurement submitted to the Department? (YES) NO

e. If the initial measurement not been submitted, provide that measurement now if available:

Date of measurement	Who made measurement	Method	Measurement

3. **Annual Static Water Level Measurements:**
**If the Claim is for surface water or a reservoir, or if the water user was not required to submit static water level measurements, items b through e relating to this section can be deleted.

a. Was the water user required to submit annual static water level measurements? (YES) NO NA

b. In the box below, provide the month in which the static water level was to be made:

Once each year between April 1st and June 1st.

c. Were the static water level measurements taken in the month required? (YES) NO

d. If "YES", were those measurements submitted to the Department? (YES) NO

e. If the annual measurements were not submitted, provide the measurements now in the box below:

Year	Month	Measurement made by	Measurement
N/A			

4. **Measurement, recording, and reporting conditions:**

a. Does the permit or transfer final order require the installation of a meter or approved measuring device?
(YES) NO

If a meter or approved measuring device was required, the COBU map must indicate the location of the device in relation to the point of diversion or appropriation.

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**If "NO", items b through g relating to this section can be deleted.

b. Has a meter been installed? (YES) NO

c. Provide the date the meter was installed:

1992; however the current water meter is a replacement.

d. If a meter has not been installed, has a suitable measuring device been installed and approved by the Department? YES NO

e. If "YES", provide a copy of the letter approving the device, if available. If the letter is not available provide the name and title of the Water Resources Department employee approving the measuring device, and the approximate date of the approval:

Name	Title	Approximate date
N/A		

f. Is the water user required to report the water use to the Department? (YES) NO

g. Have the reports been submitted? (YES) NO

If the reports have not been submitted, attach a copy of the reports if available.

5. **Fish Screening and/or By-pass Devices**

a. Are any points of diversion required to be screened and/or have a by-pass device to prevent fish from entering the point of diversion? YES (NO) NA

6. **Pump Test** (Required for ground permits prior to issuance of a certificate, but not a requirement of permit development)

a. Did the permit require the submittal of a pump test? YES (NO) NA

b. Has the pump test been previously submitted to the Department? YES NO

c. Has the pump test been approved by the Department? YES NO

d. If no, is the pump test attached to this Claim? YES NO

7. **Other Permit Conditions** (examples: special well construct standards, water conservation plans, no obstructions to fish without a fishway, etc.; number as appropriate.)
A Water Conservation Plan was required and was approved by the Department in 1998 (letter attached).

IV. Variations, Attachments, Conclusions, Map and Signatures

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Variations

Include a description of variations from the permit or transfer final order

Attachments

If you are attaching any documents to this report, provide a list below:

Attachment name	Description
Letter from WRD	Letter stating "full beneficial use.....was made in 1992 and 1993."
Annual Report-1993	Shows 75 gpm and 86 af for 91/92 recharge year.
Annual Report-1994	Shows 60 gpm and 66 af for 93/94 recharge year.
Well log	Recondition recharge well – 2003
Water Cons Plan	Letter from WRD approving WMCP - 1998

Permit and Transfer Final Order Rates and System Rates Comparisons:

POD or POA name or #	Maximum rate allowed by permit or transfer final order	Calculated theoretical rate of water based on system	Actual amount of water measured (if measured)	Developed use	# of acres allowed by permit or transfer final order	# of acres developed
POD	75 gpm & 61 af/year		1992; 75 gpm & 86 af 1993; 82 gpm & 100 af 1994; 60 gpm & 66 af			

Claim of Beneficial Use Map

The Claim of Beneficial Use Map must be submitted with this Claim. Claims submitted without the Claim of Beneficial Use map will be returned. The map shall be submitted on poly film at a scale of 1" = 1320', 1" = 400', or the original full-size scale of the county assessor map for the location.

In the following box, provide a general description of the survey method used to prepare the map. Examples of possible methods include, but are not limited to, a traverse survey, GPS, or the use of aerial photos. If the basis of the survey is an aerial photo, provide the source, date, series and the aerial photo identification number.

The ¼ section corner was located, the point of diversion on Gooseneck Creek Reservoir was located and the recharge well was located using GPS. The background photo on the Map is from the Polk County website.

CWRE Statement, Seal and Signature

The facts contained in this Claim of Beneficial Use are true and correct to the best of my knowledge.

Seal and Signature

Certified Water Right Examiner
#415WRE
Paul Eckley
Jan. 16, 1996
STATE OF OREGON
EXPIRES: 12/31/09

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Permit or Transfer Holders Signature or Acknowledgement

The facts contained in this Claim of Beneficial Use are true and correct to the best of my knowledge. I request that the Department issue a water right certificate.

Signature	Mark Millikan Print or type name	Mark Millikan March 25, 2009 Date

Recd 5/16/0

Oregon
Theodore R. Kulongoski, Governor

Water Resources Department
North Mall Office Building
725 Summer Street NE, Suite A
Salem, OR 97301-1266
503-986-0900
FAX 503-986-0904

May 9, 2008

Buell-Red Prairie Water District
Attn: Mark Millikan
PO Box 367
Sheridan, OR 97378

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MAR 30 2009
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SALEM, OREGON

REFERENCE: File S-66101 (Permit S-51165)

Dear Mr. Millikan,

On March 26, 2008, the Department received an application for an extension of time for Permit S-51165, along with the $350 statutory filing fee.

Upon review of the extension request and a subsequent telephone conversation with Paul Eckley, it appears that an extension of time may not be needed for Permit S-51165. The previous extension extended the date to apply water to full beneficial use under the terms and conditions of the permit to October 1, 1999. According to annual recharge reports submitted by the District, full beneficial use of the rate and volume of water was made in 1992 and 1993. There is also a notice dated July 1, 1998, from the District that a "staff gauge was installed to the satisfaction of Watermaster."

If the District is able to demonstrate that beneficial use of water under the terms and conditions of Permit S-51165 was made prior to October 1, 1999, the District is advised to submit a claim of beneficial use for this permit.

If the District intends to submit a claim of beneficial they may request to withdraw their March 26, 2008 extension of time request, either now, or at such time that a claim of beneficial use is submitted. A withdrawal of the extension will result in a refund of the $350 statutory filing fee.

If the District determines they are not able to demonstrate beneficial use under the terms and conditions of this permit, then please provide details of how beneficial use was not met by October 1, 1999, including any conditions that were not timely met; receiving this information will be key to evaluating the extension request.

Sincerely,

Ann L. Reece
Extension Specialist

Cc: File Application S-66101
Paul Eckley, 579 Juntura Court SE, Salem, OR 97302

Annual Recharge Report to the Oregon Water Resources Department
Buell-Red Prairie Domestic Water Association
Recharge Year: 92-3
as required by Permit 51165

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Discharges During Recharge Year

	from Gooseneck Creek	To Recharge Well
Total in Acre-Feet		100.22
Max. Rate in gpm		82
Min. Rate in gpm		0

General Operations Review During Recharge Year

recharge year June 1, 1992 to Oct 1, 1993

C-date Oct, 1, 1993

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Estimate of Storage Account at End of Recharge Year

the value is equal to 80% of the recharge over the last 5 recharge years minus the sum of the two well discharges less 5 million gallons per year of natural water over the last four years.

Calculation (in Gallons)

Recharge Year	Recharge to well		Credited Recharge		Discharge Well #1 & 2		Residual
89	19,991,200	x 0.8 =	15,992,960	-	24,265,500	-5 M =	-3,272,540
90	17,548,000	x 0.8 =	14,038,400	-	23,295,800	-5 M =	-4,257,400
91	23,959,300	x 0.8 =	19,167,440	-	25,139,000	-5 M =	-971,560
92	28,096,700	x 0.8 =	22,477,360	-	18,177,700	-5 M =	9,299,660
93	32,656,000	x 0.8 =	26,124,800	-	0		26,124,800
			97,800,960		90,878,000	+20M =	26,922,960

AF
61.2
52
72
- 86 @ 75 gpm
100.2 @ 82 gpm

Storage Account Estimate = Total Credited Recharges - Total Discharges over 5,000,000

+ 97,800,960 - 90,878,000 +20M = 26,922,960

OVER

[illegible]

June 1, 1991 - Oct 1, 1992 = 86 AF (75 gpm) w/n C-date
June 1, 1992 - Oct 1, 1993 = 100.2 AF (82 gpm)

66101

Annual Recharge Report to the Oregon Water Resources Department
Buell-Red Prairie Domestic Water Association
Recharge Year: 93-4
as required by Permit 51165

SEP 1994

Discharges During Recharge Year

	from Gooseneck Creek	To Recharge Well
Total in Acre-Feet		65.95
Max. Rate in gpm		80
Min. Rate in gpm		0

General Operations Review During Recharge Year

Same as always. Stopped recharging June 1 1994.
Totals for Wells #1 & 2 June 1 1993 to May 31 1994
Total for Recharge Well October 1 1993 to May 31 1994

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Estimate of Storage Account at End of Recharge Year

the value is equal to 80% of the recharge over the last 5 recharge years minus the sum of the two well discharges less 5 million gallons per year of natural water over the last four years.

Calculation (in Gallons)

Recharge Year	Recharge to well		Credited Recharge		Discharge Well #1 & 2		Residual
90	17,548,000	x 0.8 =	14,038,400	-	23,295,800	-5 M =	-4,257,400
91	23,959,300	x 0.8 =	19,167,440	-	25,139,000	-5 M =	-971,560
92	28,096,700	x 0.8 =	22,477,360	-	18,177,700	-5 M =	9,299,660
93	32,656,000	x 0.8 =	26,124,800	-	18,177,700	-5 M =	12,947,100
94	21,487,000	x 0.8 =	17,189,600	-	18,707,300		-1,517,700
			98,997,600		103,497,500	+20M =	15,500,100

65.95AF @ 80gpm

Storage Account Estimate = Total Credited Recharges - Total Discharges over 5,000,000

+ 98,997,600 - 103,497,500 +20M = 15,500,100

OVER

Last Ext period
Oct 1, 1993 - Oct [illegible]
"9-1" [illegible] prior to extended C-date
65.95 AF @ 80gpm

POLK 51663

Polk 51663

Well I.D.# L 55485

(START CARD) # 61519

STATE OF OREGON
WATER WELL REPORT
(as required by ORS 537.765)

(1) OWNER: Well Number

Name Buell - Red Prairie Water District

Address 6430 Red Prairie Rd

City Sheridan State Ore Zip 97378

(2) TYPE OF WORK:

☐ New Well ☑ Deepen ☑ Recondition ☐ Abandon

(3) DRILL METHOD:

☐ Rotary Air ☐ Rotary Mud ☑ Cable

☐ Other

(4) PROPOSED USE:

☐ Domestic ☐ Community ☐ Industrial ☐ Irrigation

☐ Thermal ☑ Injection ☐ Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval ☐ Yes ☐ No Depth of Completed Well 80 ft.

Explosives used ☐ Yes ☑ No Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks or pounds
10"	77'	80'				

How was seal placed: Method ☐ A ☐ B ☐ C ☐ D ☐ E

☐ Other

Backfill placed from ft. to ft. Material

Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:	8"	-1'	80'	160#	☐	☑	☑	☐
					☐	☐	☐	☐

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:

☑ Perforations Method Abrasive Saw Skillsaw

☐ Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
30'	75'	½" x 8"	228			☐	☑
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour

☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
			1 hr.

Temperature of Water Depth Artesian Flow Found

Was a water analysis done? ☐ Yes By whom

Did any strata contain water not suitable for intended use? ☐ Too little

☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other

(9) LOCATION OF WELL by legal description:

County Polk Latitude Longitude

Township 6S N or S. Range 7W E or W. WM.

Section 35 SW ¼ SE ¼

Tax Lot 1500 Lot Block Subdivision

Street Address of Well (or nearest address) Mill 23355 Mt. Springs Rd Sheridan Ore

(10) STATIC WATER LEVEL:

NC ft. below land surface. Date May 5, '03

Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:

Depth at which water was first found N

From	To	Estimated Flow Rate	SWL
	A		

(12) WELL LOG:

Ground elevation

Material	From	To	SWL
Blue Clay stone	77	80	

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MAY 21 2003
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Date started May 5, 2003 Completed MAY 6, '03

(unbonded) Water Well Constructor Certification:

I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Material used and information reported above are true to my best knowledge and belief.

WWC Number

Signed Date

(bonded) Water Well Constructor Certification:

I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 633

File S-66101

[redacted]

Oregon

John A. Kitzhaber, M.D., Governor

Water Resources Departmen
Commerce Buildin
158 12th Street NI
Salem, OR 97310-021
(503) 378-373
FAX (503) 378-813

July 28, 1998

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WATER RESOURCES DEPT
SALEM, OREGON

Mark Lyon, Manager
Buell Red Prairie Water District
6430 Red Prairie Road
Sheridan, Oregon 97378

Re: Approval of Water Management and Conservation Plan - Permit S-51165

Dear Mr. Lyon:

Congratulations on completion of the Water Management and Conservation Plan for the Buell Red Prairie Water District. We approve of your plan and believe it will be useful to you for years to come. Thank you for your cooperation in the preparation and implementation of it.

This plan meets the guidelines established by our rules as submitted with no additional conditions. A plan update will not be required unless: 1) the District requires an additional source of water; 2) service connections exceed 300; 3) there is a concurrent need for a System Master Plan (if required by Health Division); or 4) the District is absorbed by another entity.

Again, thank you for all your efforts and hard work. If you have any questions regarding this matter please feel free to contact Bill Fujii of our staff at 378-8455, ext. 254.

Sincerely,

Martha O. Pagel
Director

c: Tom Paul
Bill Ferber
Dick Bailey
Water Right Permit #S-51165



WATER RIGHTS USE AREA–SYSTEM MAP

POLK & YAMHILL COUNTIES, ORE.

SCALE: 1" = 1 MILE



SOURCE OF SUPPLY LOCATION

SCALE: 1" = 200'

MOUNTAIN SPRINGS ESTATES
SECTION 35, T.6S., R.7W., W.M.
POLK COUNTY, OREGON

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SEP 15 1993
WATER RESOURCES DEPT.
SALEM, OREGON

Application No. 66101
Permit No. 51165

BUELL-RED PRAIRIE WATER ASSOCIATION POLK & YAMHILL COUNTIES, OREGON		
WATER RIGHTS MAP		
Scale: As Shown	Date: JULY 1979	Revised 7-15-83
Design MGB	BOATWRIGHT ENGINEERING INC.	SHEET
Drawn JD/MM	2613 Twelfth Street S.E.	1 / 1
Checked JRH	SALEM, OREGON 97302	

Application No. 66101
Permit No. 51165

Buell - Red Prairie Water Assoc.
Sheridan, Oregon

Ground Water Recharge Permit Application
Technical Report
&
Supporting Data

March, 1990



3-15-90

Buell-Red Prairie Water Association
Aquifer Recharge Permit Report

Introduction: This report is prepared in compliance with OAR 690-11-085, subsections 1-3, which require applicants for potential aquifer recharge permits to provide adequate technical support to justify said permit.

(A) Project References and Purpose of Project

The proposed recharge project will introduce filtered and disinfected water obtained from Gooseneck Creek, a tributary of Mill Creek, to an existing recharge well. The point of diversion of the recharge source is N59 degree 25' W, 1121 feet from the south quarter corner of Section 35 Township 6 South, Range 7 West Willamette Meridian being within the SE 1/4 of the SW 1/4 of Section 35 T6S, R7W in Polk County. The proposed recharge well is located in the SW 1/4 of the SE 1/4 of Section 35 T6S, R7W. The recharge project is intended to recharge a ground water aquifer which provides domestic water to two existing wells described in Ground Water Permit G 8748. A recent transfer of water rights has been obtained from Frank & Alice Propes to Buell-Red Prairie Water Association (see attached map.) The ultimate use of the recharge water is to replace ground water withdrawn from the water supply wells used for domestic purposes for approximately 900 people within the boundaries of Buell-Red Prairie Water Association.

(B) Ultimate Goals of Recharge Project

1) Withdraw 150 GPM from Gooseneck Creek Source with 75 GPM used for direct water supply use and the remaining 75 GPM used for recharge purposes.

2) Existing water wells will be used to provide emergency, supplemental, and peak day flows only.

3) Final operation of the recharge system will be monitored and regulated to provide a water balance situation for withdrawn water versus recharged water, with contingency water provided for unusually low stream flows.

(C) Anticipated Annual Storage

The primary goal of the recharge project is to replace the water withdrawn from the (2) wells through summer peak months, generally June-August. Anticipated annual storage, therefore, will be calculated based on this demand with allowances given for percolation losses.

Domestic Water Demands

Design Criteria: Present connected services (1990) = 235
Design for 10% system growth = 235 x 1.10 = 259 (260)

832 x 125 GPCD = 104,000 GPD = 72 GPM (Average day)
104,000 GPD x 2 = 208,000 GPD = 144 GPM (Max. day)

Assume 75 GPM from new surface source will be used for domestic use, therefore, existing wells will operate for maximum day use (75 GPM)

Well Supply Required: 75 GPM x 1440 x 92 days = 9,936,000 gal.
(June - August)

Assume 50% Percolation and recharge losses.

9,936,000 ÷ .50 = 19,872,000 Gallons per year required from recharge source

Water Balance Determination

Assume no recharge of aquifer will occur from June through August (3 months) due to required stream flows for fish support and well(s) will be required for Max. day demands through same summer months.

Supplemental Recharge Quantity Required = 19,872,000 gallons.

Allowable Recharge days per year:

365 days - 92 days (unpermitted recharge) - 60 days (downtime for service & filter ripenings) = 213 days/year

19,872,000 gallons/year ÷ 213 days = 93,296 GPD = 65 GPM min.

Design recharge system for 75 GPM $\geq$ 65 GPM required.

(D) Monitoring Procedures

Because this system is intended to operate on an interim basis with the existing filtration & disinfection system until Fall of 1991 when the permanent filter system is installed, two separate monitoring programs will be proposed.

Temporary Monitoring Program (through Fall of 1991)

1) Recharge Supply: The recharge rate (i.e. Gooseneck Creek) flow will be monitored & recorded through a propeller type flowmeter. This flowmeter will indicate instantaneous flow in gallons per minute and totalize flow in gallons. Daily recording of totalized flows will be logged using cumulative monthly logs.

2) Wells #1 & #2: Wells #1 & #2 are equipped with existing flowmeters that will continue to be monitored and recorded daily. Monthly cumulative flows will be logged. Combined data from the recharge and well sources will be used to determine actual final flow rates to be used from the recharge source.

3) Recharge Source: In order to provide a record of available stream flows, a contracted weir will be installed on Gooseneck Creek to gauge flow before entering the impoundment. This flow is be monitored and recorded bi-weekly through the first year to provide background data on stream flows and this data will be used to ascertain actual final design flows as well as required stream flows for aquatic support.

Water Level Monitoring

1) Recharge Source: A submerged reader board is to be installed in Propes Lake to provide data on percolation losses as well as downstream losses. This data will be recorded bi-weekly at the same time as weir measurements on Gooseneck Creek are taken.

2) Recharge Well: A functional air line will be installed in the recharge well as well as a pressure gauge on the well head. Weekly recordings will be made from these points to ascertain the head required to recharge the aquifer. These readings will also provide background data for future observations of formation cementation and recharge inefficiencies.

3) Wells #1 & #2: Both wells are equipped with access ports to measure static and pumping water levels. Weekly static and/or pumping levels will be tested and recorded particularly to monitor recharge rates and depletion rates in the summer. This data will be used to "fine-tune" recharge rates to avoid unnecessary waste of water.

Water Quality Monitoring--Interim System

In order to provide accurate data for pilot studies necessary to properly design the final filtration equipment, it is imperative that frequent tests of water quality be conducted during the first year of recharge activity.

Background: Because this watershed is reasonably protected from contamination it will be necessary to routinely test for contaminants most likely to occur through seasonal changes. Inspection of the watershed has determined that fecal and coliform bacteria, pesticides, and giardia lamblia are the most likely contaminants. During the first year of operation, a slow sand filter pilot plant will be operational to confirm the acceptability of this type of system. This data, however, will not be included in the scope of this report.

Raw and Finished Water Quality Monitoring--Interim

1) Inorganic Contaminants: Several tests for Primary Inorganic contaminants have been performed over the past few years with no appreciable levels indicted. EPA inorganic contaminant tests will, therefore, be performed twice during the first year of operation: once during peak flows in winter and once during low stream flows in summer. If levels are not detectable or substantially low then it is proposed that routine tests be performed yearly, thereafter in accordance with State Health Division requirements.

2) Volatile Organic Contaminants (VOC): As required by new EPA requirements, quarterly samples for VOC's will be conducted through the first year. If sampling indicates lack of VOC's then permission will be requested to classify this system as "non-vulnerable" and re-test for VOC's at five year intervals thereafter.

3) Fecal and Coliform Bacteria: The primary goal of water treatment is removal of pathogens which could contribute to water-borne illness. Testing for fecal and coliform bacteria will, therefore, be performed at intervals necessary to insure adequate disinfection. Multiple tube tests for E coliform bacteria will be performed on finished water before injection into the recharge well. One test will be performed daily during the first week of operation to insure adequate filtration and disinfection occurs through the interim system. For the purposes of pilot plant testing and to insure treatable levels of fecal and coliform bacteria, monthly membrane filter tests will be performed on the raw water during the first year. If all finished water coliform bacteria tests are negative, coliform bacteria tests will be conducted monthly thereafter. Fecal presence tests will be performed only upon confirmation of positive coliform samples.

4) Turbidity: Daily turbidity readings of finished water will be obtained and treatment will be varied, if necessary, to limit finished water turbidity to than or equal to .5 NTU.

5) Secondary Contaminants: Raw water data has indicated low or non-detectable levels of secondary contaminants. It is therefore, proposed to perform no secondary contaminant testing except that required for pilot plant studies. (i.e., alkalinity, iron, manganese, etc.)

6) Giardia Lamblia: The watershed is felt to be reasonably protected from giardia. However, it is felt that microscopic examination for possible presence of giardia will need to be performed seasonally, during the first year, to insure that the watershed is free from this parasite under all seasonal conditions.

7) Radioactivity: One test for gross alpha activity will be performed initially and assuming low levels, will be performed at four year intervals thereafter.

8) Nitrates: Monthly test for nitrates will be performed during the first year to preclude the possibility of high nitrate levels which could indicate possible contamination.

Proposed Permanent Water Quality Monitoring--(After Fall 1991)

1) Inorganic Contaminants: Assuming no appreciable levels of primary contaminants are found during the first year of operation, testing will be performed yearly thereafter.

2) Volatile Organic Contaminants: Yearly testing after the first year with possible exemption requested to the Health Division.

3) Coliform Bacteria: Monthly sampling and testing using multiple tube method on finished water before recharge water enters well. No positive samples allowed. Routine monthly samples will be obtained from Wells #1 and #2 as required by the Health Division.

4) Turbidity: Daily testing of raw and finished water with finished recharge water not to exceed .5 NTV.

5) Secondary Contaminants: No routine sampling proposed.

6) Giardia Lamblia: After the final treatment plant is functional, routine testing for giardia is not anticipated. Routine microbiological, inorganic and organic tests will continue to be performed on Wells #1 and #2 as required by the State Health Division.

Proposed Permanent Flow and Water Level Monitoring

Daily recording and logging of recharge supply and Wells #1 and #2 accumulated flows will be performed with monthly cumulative logs. Water levels in the recharge well and Wells #1 and #2 will be recorded weekly. Routine monitoring of flow in Gooseneck Creek and impoundment levels are not anticipated beyond the first year.

Conclusion: Past water analysis of the raw water source as well as the past success of the unauthorized recharge have shown that recharge of the aquifer is feasible and logical. It is felt that with the addition of a permanent slow sand filter with Ultraviolet disinfection (used in lieu of chlorine to prevent precipitation and possible plugging of the aquifer) this project will project the existing ground water conditions and in fact enhance the quality of water.

ANTICIPATED COSTS

Capital Costs--Interim Operation (through Fall 1991)

1)	Hydrogeologic and Feasibility Studies	$5,550.00
2)	Monitoring Equipment--Flows & Water Levels	
	A) Recharge Source Contracted Weir	1,600.00
	B) Recharge Supply Flowmeter (Turbine type)	--Existing--
	C) Wells #1 & #2 Flowmeters	--Existing--
	D) Recharge Source Reader Board	750.00
	E) Recharge Well Water Level Observation Equip.	150.00
	F) Wells #1 & #2 Water Level Observation Equip.	--Existing--
3)	Water Quality Monitoring--First Year	
	A) Inorganic Contaminants	250.00
	B) VOC Testing	760.00
	C) Coliform Bacteria	650.00
	D) Secondary Contaminants	--None--
	E) Giardia Lamblia	240.00
	F) Radioactivity	50.00
	G) Nitrates	240.00
4)	Water District Operational & Monitoring Costs	
	$240/month x 16	3840.00
5)	Required Equipment	
	A) Raw Water Lift Pump & Related Equipment	3800.00
	B) Ultra-Violet Disinfection Equipment	3000.00
	C) Turbidimeter with Chart Recorder	2500.00
6)	Slow Sand Filter Pilot Plant	
	A) Engineering	2500.00
	B) Pilot Plant Equipment	1100.00
	C) Monitoring Costs	1000.00
	Anticipated Costs for Interim Operation	**$27,930.00**

Capital Costs--Permanent System

Approximate cost of slow sand filter with Pumps Station and new supply pipeline (Assumes District supplied labor for construction of filter vessel)

Approximately: $70,000.00

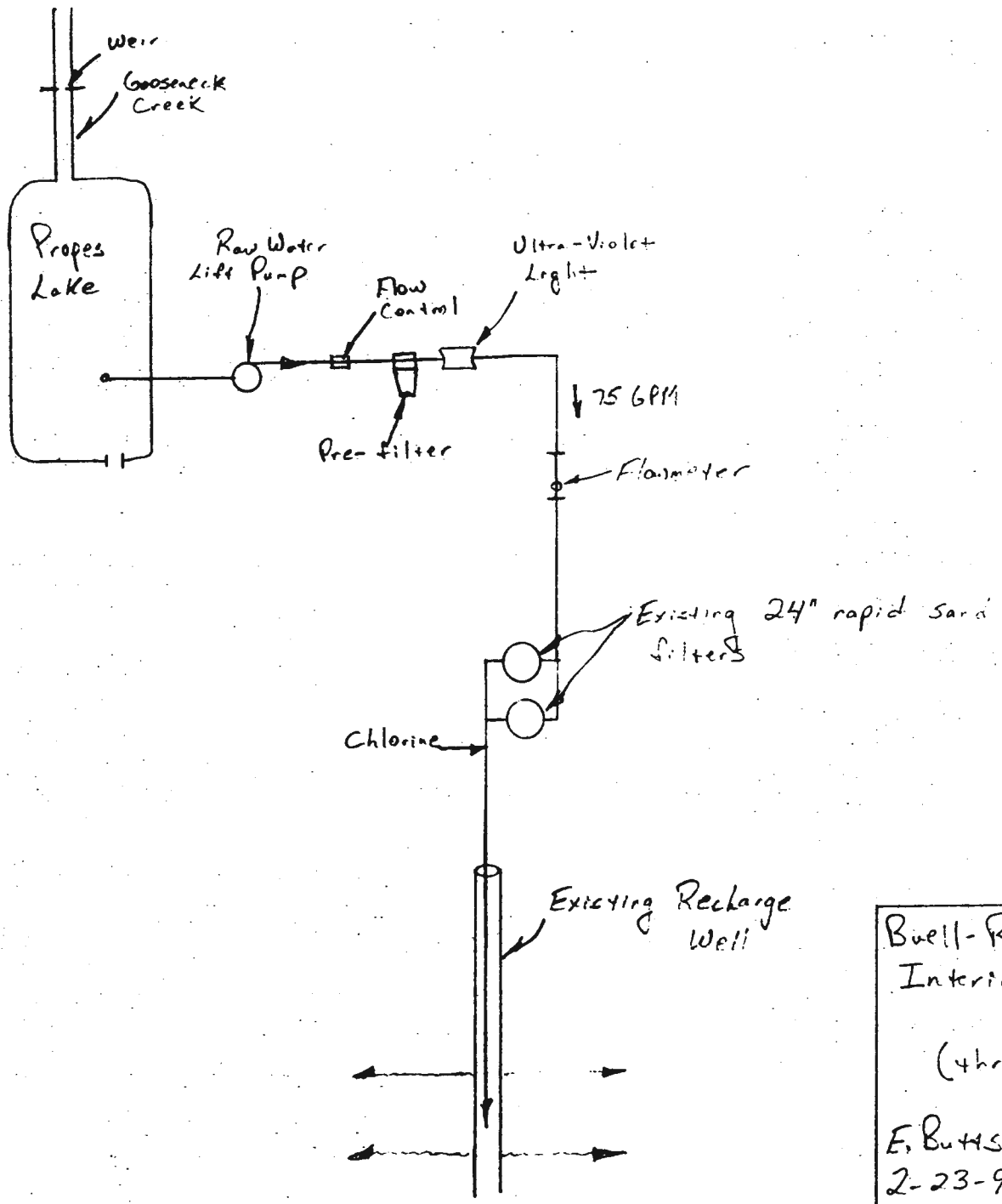
Monthly Costs--Monitoring & Water Quality Tests

Approximately: $70.00/month

Note: Considerable equipment necessary for recharge (i.e. recharge well, pipeline & rapid filters) are existing and functional.

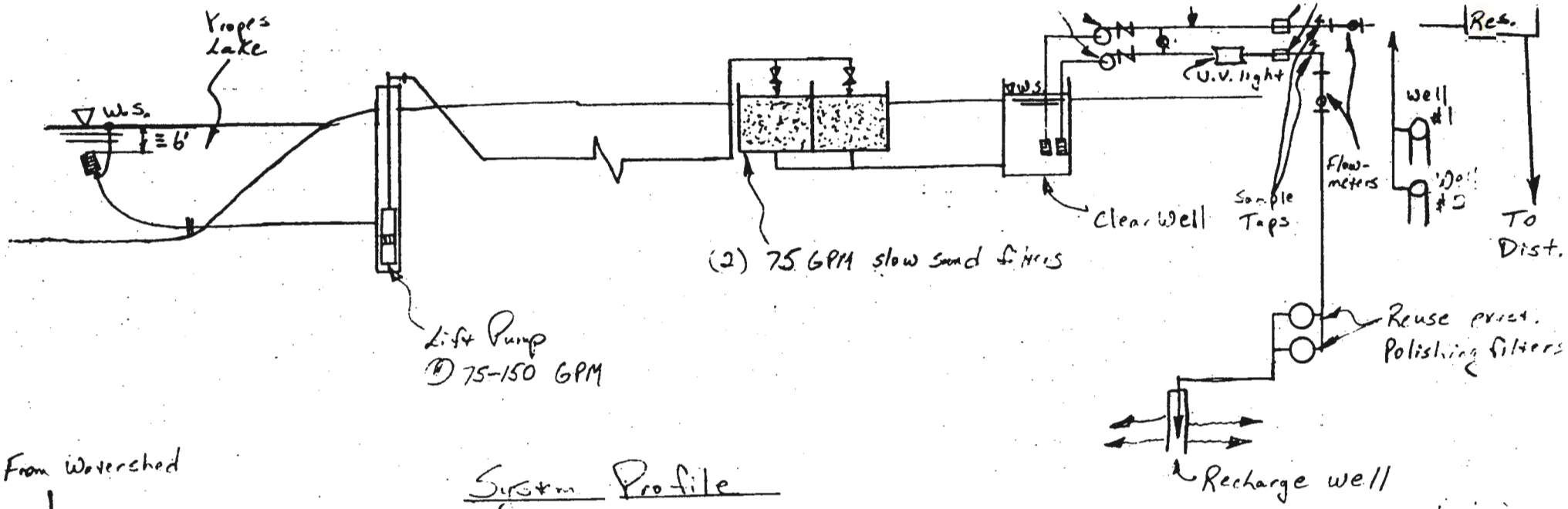
Availability of Surplus Water

Using past historical data as well as observations obtained from District personnel, it is felt that surplus water from recharging is available from October through June. The watershed does not appear to contribute substantial volumes of runoff to the impoundment in the summer months of July, August, and September. Recharge of the aquifer is expected to be suspended from June through August to provide stream flows and provide water for direct domestic purposes appropriated by the water rights transfer from Propes. Water will be withdrawn from storage in the impoundment provided from the watershed for treatment and direct domestic water consumption.

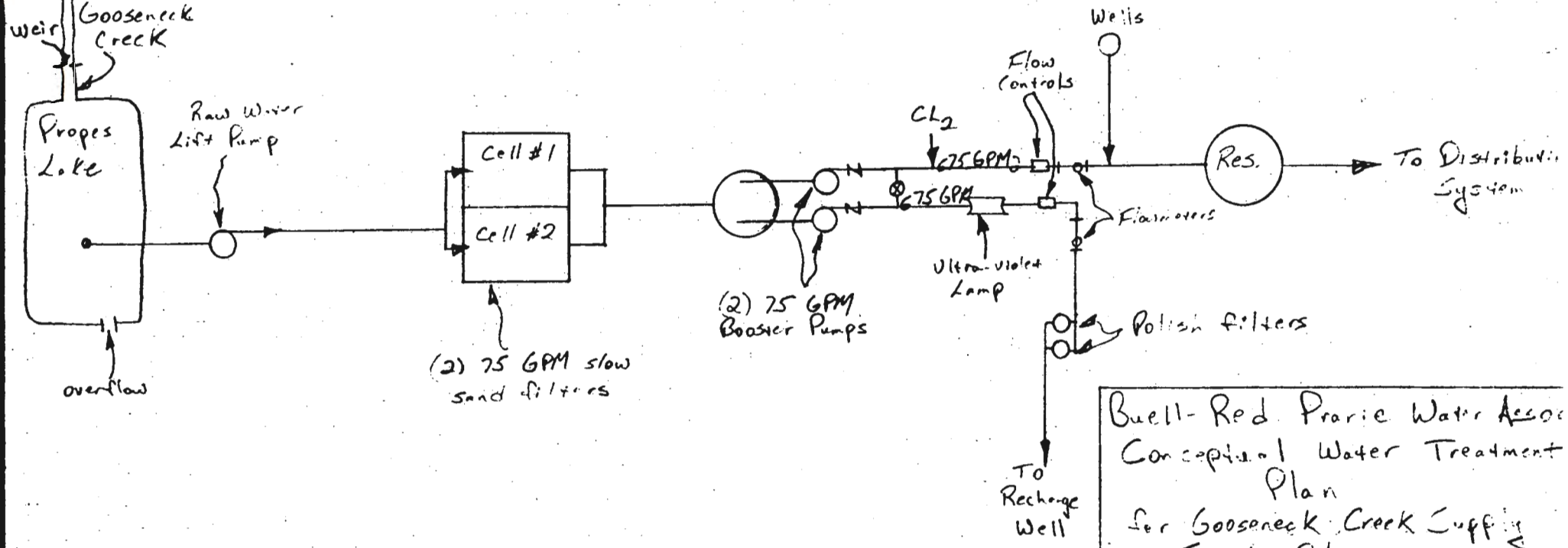


Buell-Red Prairie Water Assoc.
Interim Water Treatment Plan
(through Fall of 1991)

E. Butts - Stettler Supply Co.
2-23-90 - No Scale



System Profile



Water Treatment Flow Chart

Buell-Red Prarie Water Assoc
Conceptual Water Treatment Plan
for Gooseneck Creek Supply
- Final Plan -
E. Butts - Stetzler Supply Co.
2-22-90 - No Scale

STETTLER SUPPLY CO.

503-585-5550
1810 Lana Avenue N.E.
Salem, Oregon 97303

Irrigation Systems
Since 1948
Pumps
Pivots
Travelers
Turf Systems
Drip Systems

February 23, 1990

Mr. Rene Dulay
DEQ
811 SW 6th Ave.
Portland, OR 97204

RE: Buell-Red Prairie Water Association
Proposed Recharge Project

Dear Mr. Dulay:

Enclosed please find background and current water analysis on the existing wells as well as the proposed recharge water. As you can see, the water quality from the Propes Lake (recharge source) is excellent with no primary contaminants and low levels of fecal and coliform bacteria as well as low turbidity. The enclosed water analysis shows that water quality actually improved through the period of unauthorized recharge and with a new filtration and disinfection system it is felt that ground water quality will actually be enhanced due to dilution of saline water which is inherent to this aquifer. Also enclosed please find conceptual drawings and proposed water quality monitoring procedures to be implemented. Please note that it is our intent to operate this recharge system for the first year using the existing rapid sand filter and disinfection system while pilot study data for the new slow sand filter is obtained. This is necessary to avoid depletion of the aquifer and a potentially hazardous situation for the district in water supply this summer. As you can see, I have prepared two separate monitoring plans, one for interim use of the recharge source and one for proposed permanent monitoring requirements. I would appreciate a response to this letter as soon as possible to allow completion of our application to the Water Resources Department.

Thank you for your cooperation.

Respectfully yours,

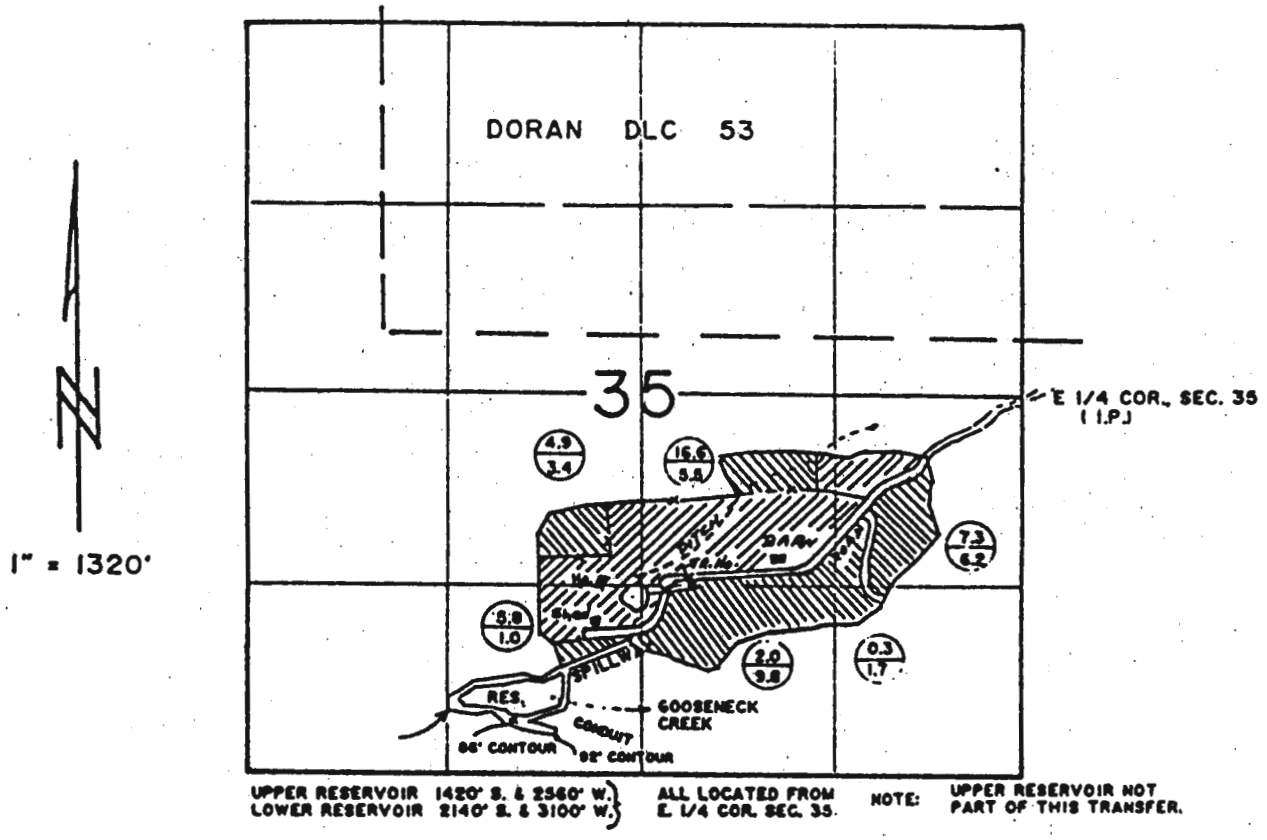
Edward P. Butts

Edward P. Butts, P.E.

RECEIVED
SEP 6 1989
WATER RESOURCES DEPT.
SALEM, OREGON

T-6287

T. 6 S., R. 7 W., W. M.



TRANSFER APPLICATION MAP

PREV. APPLICATION NO. 38861, R-41412, 41422, R-43211, 43212

PERMIT NO. 28946, R-4592, 30517, R-4840, 31865

TRANSFER FROM:

FRANK F. & ALICE I. PROPES

TRANSFER TO:

BUELL-RED PRAIRIE WATER ASSOCIATION

Certified Water Right Examiner
203
Ronald H. Schulson
Ronald H. Schulson
Nov. 20, 1988
STATE OF OREGON

PREPARED AUG.28, 1989, BY RONALD H. SCHULSON

WATERLAB CORP.

EPA-Approved

2609 - 12th Street S.E.
Salem, Oregon 97302
(503) 363-0473

TEST RESULTS

Certified Lab #008

TO: Stettler Supply Co.
1810 Lana Ave. NE
Salem, OR 97303

DATE/TIME COLLECTED: 10-26-89
COLLECTED BY: M. Myers, Waterlab Corp.
DATE RECEIVED AT LAB: 10-26-89

SOURCE: Pond, Buell-Red Prairie Water Assn.

SAMPLE POINT: PARAMETER/UNITS	3'	5'	7'	10'	12'	Pond Influent
Temperature, F	53	53	54	53	53	47
Dissolved Oxygen, mg/liter	9.43	9.83	9.87	9.30	9.37	10.12
Turbidity, NTU	8.2	6.2	0.94	0.56	0.81	0.35
Total coliform, # of colonies/ 100 mls Membrane filter method	19	31	13	24	15	40
Fecal coliform, # of colonies/ 100 mls Membrane filter method	60	31	41	63	52	32

DATE REPORTED: 12-04-89
TECH: BEM

WATERLAB CORP.

EPA Approved

2609 - 12th Street S.E.
Salem, Oregon 97302
(503) 363-0473

OREGON STATE HEALTH DIVISION, TABLE 1 AND TABLE 3 FOR DRINKING WATER

Certifed Lab #008

TO: Stettler Supply Co.
1810 Lana Ave. NE
Salem, OR 97303

SAMPLE POINT: Buell-Red Prairie Water Assn., 3' under surface, at pond

DATE/TIME COLLECTED: 10-26-89 PM BY: M. Myers, Waterlab
DATE RECEIVED: 10-26-89
LAB REPORT #: 891026-19

TEST	UNITS	LIMITS	RESULTS	TEST DATE
Arsenic, As*	mg/liter	0.05	ND@0.01	11-16-89
Barium, Ba	mg/liter	1.	ND@0.1	10-27-89
Cadmium, Cd*	mg/liter	0.01	ND@0.005	11-17-89
Chromium, Cr	mg/liter	0.05	ND@0.01	10-27-89
Fluoride, F	mg/liter	1.4-2.4	ND@0.5	10-27-89
Lead, Pb	mg/liter	0.05	ND@0.01	10-27-89
Mercury, Hg	mg/liter	0.002	ND@0.001	10-27-89
Nitrate, NO3 as N	mg/liter	10.0	2.34	10-27-89
Selenium, Se	mg/liter	0.01	ND@0.002	10-27-89
Silver, Ag	mg/liter	0.05	ND@0.01	10-27-89
Sodium, Na	mg/liter	NA	8.30	10-27-89
pH	pH units	6.0-9.0	6.940	10-26-89
Specific Conductance	uMHO/CM	NA	104.5	10-26-89
Sand	mg/liter	2	ND@1	11-16-89
Hardness as CaCO3	mg/liter	250	76	10-27-89
Total solids	mg/liter	500	92	10-30-89
Chloride	mg/liter	250	2.07	10-27-89
Copper	mg/liter	5	ND@0.05	10-27-89
Iron	mg/liter	0.3	0.103	10-26-89
Manganese	mg/liter	0.05	ND@0.005	10-26-89
Sulfate	mg/liter	250	ND@0.5	10-27-89
Zinc	mg/liter	5	ND@0.01	10-27-89
Alkalinity	mg/liter	NA	52	10-26-89
Calcium	mg/liter	NA	36	10-26-89
Total Dissolved solids	mg/liter	NA	92	10-30-89

ND means No Detection at specified limit.
*Performed at Umpqua Research Company.
NA means Not applicable, no standard set.

DATE REPORTED: 12-04-89
TECH: BEM

WATERLAB

2609 12th S.E.
Salem, Oregon 97302
(503) 363-0473

June 26, 1979

TEST RESULTS

TO: Boatwright Engineering
2613-12th St. SE
Salem, OR 97302

DATE COLLECTED: 6/23/79

COLLECTED BY: B. Lyda, Waterlab

SOURCE: Buell-Red Prairie #1 Well
Lab Report #P1123-79

Test Performed	Suggested Maximum*	P1123-79
Alkalinity	N.A.	88
Calcium	N.A.	1.2
Chloride	250.0	7.9
Copper	1.0	less than 0.1
Fluoride	2.0	0.12
Hardness as $CaCO_3$	N.A.	4.0
Iron	0.30	0.16
Magnesium	N.A.	0.244
Manganese	0.050	less than 0.01
Nitrate (as N)	10.0	less than 0.01
Nitrite (as N)	N.A.	less than 0.01
pH, pH units	N.A.	9.218
Silica	N.A.	23
Sodium	N.A.	201.2
Sulfate	250.0	less than 0.1
Solids (Total)	1000.0	181
Solids (Volatile)	N.A.	65
Zinc	5.0	less than 0.1

*Per OAR Ch. 333-42-210, Oregon State Health Division.

All amounts except pH listed in milligrams per liter.

WATERLAB
2609 12th S.E.
Salem, Oregon 97302
(503) 363-0473

February 28, 1980

TEST RESULTS

TO: Boatwright Engineering
2613-12th St. SE
Salem, OR 97302

DATE COLLECTED: 1/31/80

COLLECTED BY: Jack Hills

SOURCE: Buell-Red Prairie Well #2

LAB REPORT #: P1227-80

TEST PERFORMED	SUGGESTED MAXIMUM*	P1227-80
Alkalinity	N.A.	90
Calcium	N.A.	4.0
Chloride	250.0	14.9
Copper	1.0	less than 0.1
Fluoride	1.4-2.4	0.32
Hardness as $CaCO_3$	N.A.	12
Iron, total	0.3	0.21
Manganese	0.05	less than 0.01
Magnesium	N.A.	0.49
Nitrogen (nitrate)	10	less than 0.1
Nitrogen (nitrite)	N.A.	less than 0.1
pH, pH units	N.A.	7.88
Silica	N.A.	21
Sodium	N.A.	17.19
Sulfate	250.0	less than 0.1
Solids, Total	1000.0	169
Solids, Volatile	N.A.	26
Zinc	5.0	less than 0.1

*Per OAR Ch. 333, State of Oregon Health Division

All amounts listed in milligrams per liter, except pH.

N.A. = Not applicable.

WATERLAB

EPA-Approved

2609 - 12th Street S.E.
Salem, Oregon 97302
(503) 363-0473

OREGON STATE HEALTH DIVISION
TABLE 1 INORGANICS

Certified Lab #008

TO: Buell-Red Prairie Water Assn.
6890 Frank Rd.
Sheridan, OR 97378

WATER SYSTEM ID#: 4101174
WATER SYSTEM NAME: Buell-Red Prairie Water Assn.
DATE/TIME COLLECTED: 4-10-89 10:13 AM
DATE RECEIVED AT LAB: 4-10-89
SAMPLE POINT: Well #1
COLLECTED BY: Waterlab
LAB REPORT #: 890410-41

TEST PERFORMED	UNITS	LIMITS	RESULTS	DATE PERFORMED
Arsenic, As *	mg/liter	0.05	ND@0.01	4-26-89
Barium, Ba	mg/liter	1.	ND@0.5	4-25-89
Cadmium, Cd	mg/liter	0.01	ND@0.005	4-25-89
Chromium, Cr	mg/liter	0.05	ND@0.01	4-25-89
Fluoride,F	mg/liter		ND@0.5	4-15-89
Lead, Pb	mg/liter	0.05	ND@0.01	5-17-89
Mercury, Hg	mg/liter	0.002	ND@0.001	4-25-89
Nitrate, NO3 as N	mg/liter	10.0	2.27	4-12-89
Selenium, Se *	mg/liter	0.01	ND@0.002	4-26-89
Silver, Ag	mg/liter	0.05	ND@0.01	4-25-89
Sodium, Na	mg/liter	20	56.9	4-13-89
pH	pH units	6.0-9.0	9.011	4-10-89
Specific conductance, micromhos/cm		NA	347	4-10-89
Alkalinity as CaCO3	mg/liter	NA	122	4-10-89
Calcium, Ca	mg/liter	NA	12	4-10-89
Total dissolved solids	mg/liter	NA	202	4-12-89

ND means No Detection at specified limits. If any is present, it is below the stated detection limit.
NA means Not applicable, no standard set.
*Performed at Umpqua Research Company
cc: Oregon State Health Division

DATE REPORTED: 6-1-89
TECH: BEM

WATERLAB

EPA-Approved

2609.- 12th Street S.E.
Salem, Oregon 97302
(503) 363-0473

OREGON STATE HEALTH DIVISION
TABLE 1 INORGANICS

Certified Lab #008

TO: Buell-Red Prairie Water Assn.
6890 Frank Rd.
Sheridan, OR 97378

WATER SYSTEM ID#: 4101174
WATER SYSTEM NAME: Buell-Red Prairie Water Assn.
DATE/TIME COLLECTED: 4-10-89 10:11 AM
DATE RECEIVED AT LAB: 4-10-89
SAMPLE POINT: Well #2
COLLECTED BY: Waterlab
LAB REPORT #: 890410-42

TEST PERFORMED	UNITS	LIMITS	RESULTS	DATE PERFORMED	
Arsenic, As *	mg/liter	0.05	ND@0.01	4-26-89	NJ,
Barium, Ba	mg/liter	1.	ND@0.5	4-25-89	
Cadmium, Cd	mg/liter	0.01	ND@0.005	4-25-89	
Chromium, Cr	mg/liter	0.05	ND@0.01	4-25-89	
Fluoride, F	mg/liter		ND@0.5	4-15-89	
Lead, Pb	mg/liter	0.05	ND@0.01	5-17-89	
Mercury, Hg	mg/liter	0.002	ND@0.001	4-25-89	
Nitrate, NO3 as N	mg/liter	10.0	1.83	4-12-89	- 0,1
Selenium, Se *	mg/liter	0.01	ND@0.002	4-26-89	
Silver, Ag	mg/liter	0.05	ND@0.01	4-25-89	
Sodium, Na	mg/liter	20	70.7	4-13-89	- 11,19
pH	pH units	6.0-9.0	8.778	4-10-89	- 7,88
Specific conductance,	micromhos/cm	NA	395	4-10-89	
Alkalinity as CaCO3	mg/liter	NA	122	4-10-89	- [illegible] 90
Calcium, Ca	mg/liter	NA	12	4-10-89	- Same
Total dissolved solids	mg/liter	NA	210	4-12-89	- 175

ND means No Detection at specified limits. If any is present, it is below the stated detection limit.
NA means Not applicable, no standard set.
*Performed at Umpqua Research Company
cc: Oregon State Health Division

DATE REPORTED: 6-1-89
TECH: BEM

WATERLAB

2609 12th S.E.
Salem, Oregon 97302
(503) 363-0473

April 18, 1984

Sample Bottle Number P1702-84 Time Collected AM Date Collected 3/7/84

Mailing Address:
Name Boatwright Engineering
Street 2613-12th St. SE
City Salem State OR Zip 97302

Sample Location:
Name Buell-Red Prairie Water Assn.
Street
City State Zip

Water Source: Spring ☐ Stream ☐ Well ☐ Chlorinated Yes ☐ No ☐ Sample Type: Routine ☐ Resample ☐ Check ☐
Sample Point Propes pond (see below)
Collector's Name Waterlab

EPA / OSHD PRIMARY DRINKING WATER STANDARDS

Inorganics					
Test	Test Method¹	Units	Limits	Test Results	Analyst
Arsenic, As	SM 303 E	MG/L	0.05	ND @ 0.01	BEM
Barium, Ba	SM 303 C	MG/L	1.	ND @ 0.1	BEM
Cadmium, Cd	SM 303 B	MG/L	0.01	ND @ 0.002	BEM
Chromium, Cr	SM 303 A	MG/L	0.05	ND @ 0.02	BEM
Fluoride, F	SM 414 A&C	MG/L	1.4 to 2.4	ND @ 0.5	BEM
Lead, Pb	SM 303 B	MG/L	0.05	ND @ 0.01	BEM
Mercury, Hg	SM 303 F	MG/L	0.002	ND @ 0.001	BEM
Nitrate, NO_3 as N	ASTM D992-71	MG/L	10.	ND @ 0.5	BEM
Selenium, Se	SM 303 E	MG/L	0.01	ND @ 0.002	BEM
Silver, Ag	SM 303 A	MG/L	0.05	ND @ 0.01	BEM
Sodium, Na	SM 303 A	MG/L		8.6	BEM
Other					
pH	SM 423	pH units		7.69	BEM
Specific Conductance	SM 205	µMHO/CM		70	BEM
Langlier Index	SM 203	SI		- 0.76	BEM

ND MEANS NO DETECTION AT SPECIFIED LIMITS.
Sampling point: Samples taken about 2 ft. under water in standing 3 ft. depth about 15 ft. from shore on the NE end of pond.

WATERLAB
2609 12th S.E.
Salem, Oregon 97302
(503) 363-0473

April 18, 1984

TO: Boatwright Engineering
2613-12th St. SE
Salem, OR 97302

DATE COLLECTED: 3/7/84

COLLECTED BY: Waterlab

SOURCE: Propes pond for Buell-Red Prairie Water Assn./ Samples taken about 2 ft. under water in standing 3 ft. depth about 15 ft. from shore on the NE end of pond.

LAB REPORT #: P1702-84

OREGON STATE HEALTH DIVISION TABLE 3, OAR CH. 333

TEST	UNIT	LIMIT	P1702-84	ANALYST
Sand	MG/L	2	0	BEM
pH	pH units	6.0-9.0	7.69	BEM
Fluoride	MG/L	1.4-2.4	ND @ 0.5	BEM
Hardness	MG/L	250	72	BEM
Total solids	MG/L	500	96	BEM
Chloride	MG/L	250	10.9	BEM
Copper	MG/L	5	ND @ 0.1	BEM
Iron	MG/L	0.3	0.51	BEM
Manganese	MG/L	0.05	0.071	BEM
Sulfate	MG/L	250	ND @ 0.1	BEM
Zinc	MG/L	5	0.21	BEM
Turbidity	NTU		1.0	BEM

ND = no detection at specified limits

WEATHER: Clear, no rain for 4-5 days.

UMPQUA RESEARCH COMPANY

626 N.E. Division St. • P.O. Box 791 • Myrtle Creek, OR 97457
Phone (503) 863-5201
EPA APPROVED, OREGON STATE CERTIFIED LABORATORY NO. 73

URC Sample No. 40314-5
Date Received 3-14-84
Time Received 1110
Date Reported 3-29-84

Print or type applicable information in box below.

Sample Bottle Number _____ Time Collected _____ Date Collected _____

Mailing Address:
Name Waterlab
Street 2609 - 12th S.E.
City Salem State OR Zip 97302

Sample Location:
Name 1702-84
Street _____
City _____ State _____ Zip _____

Water Source: Spring ☐ Stream ☐ Well ☐ Chlorinated: Yes ☐ No ☐ Sample Type: Routine ☐ Resample ☐ Check ☐
Sample Point _____
Collector's Name _____

TEST	U.R.C. Sample Number / Sample						
pH	pH Units	7.3					
Specific Conductance	µMHO/CM	62					
Turbidity	TU	1.0					

ND – NONE DETECTED AT LEVEL INDICATED

Approved by _____

WATERLAB

2609 12th S.E.
Salem, Oregon 97302
(503) 363-0473

Sample Number P1919-84
Date Received 3/26/84
Time Received
Date Reported 4/18/84

Print or type applicable information in box below.

Sample Number P1919-84 Date Collected 3/26/84 Time Collected AM

Mailing Address:
Name Boatwright Engineering
Street 2613-12th St. SE
City Salem State OR Zip 97302

Sample Location:
Name Buell-Red Prairie Water Assn.
Street
City State Zip

Water Source: Spring ☐ Stream ☐ Well ☐ Chlorinated: Yes ☐ No ☐ Sample Type: Routine ☐ Resample ☐ Check ☐
Sample Point Propes #1 pond
Collector's Name Waterlab

TEST	Sample Number		P1919-84				
pH	pH Units		7.28				
Specific Conductance	uMHO/CM		90				
Nitrogen(nitrate)	mg/liter		ND @ 0.5				
Turbidity	NTU		1.5				
WEATHER: Raining heavily, windy							

N.D. — NONE DETECTED AT LEVEL INDICATED

Approved by: Ben

WATERLAB

2609 12th S.E.
Salem, Oregon 97302
(503) 363-0473

Sample Number P2054-84
Date Received 4/12/84
Time Received
Date Reported 4/17/84

Print or type applicable information in box below.

Sample Number P2054-84 Date Collected 4/12/84 Time Collected AM

Mailing Address:
Name Boatwright Engineering
Street 2613-12th St. SE
City Salem State OR Zip 97302

Sample Location:
Name Buell-Red Prairie Water Assn.
Street
City State Zip

Water Source: Spring ☐ Stream ☐ Well ☐ Chlorinated: Yes ☐ No ☐ Sample Type: Routine ☐ Resample ☐ Check ☐
Sample Point Propes pond
Collector's Name Waterlab

TEST	Sample Number		P2054-84				
pH	pH Units		7.56				
Specific Conductance	uMHO/CM		70				
Nitrogen(nitrate)	mg/liter		ND @ 0.5				
Turbidity	NTU		2.0				
WEATHER: Raining							

N.D. — NONE DETECTED AT LEVEL INDICATED

Approved by: Don

UMPQUA RESEARCH COMPANY

626 N.E. Division St. • P.O. Box 791 • Myrtle Creek, OR. 97457
Phone (503) 863-5201
EPA APPROVED, OREGON STATE CERTIFIED LABORATORY NO. 73

Date Received 10-18-89
Time Received 12:30
Date Reported 11-10-89

Print or type applicable information in box below.

Sample Bottle Number 891013-36 Time Collected _____ Date Collected 10-13-89

Mailing Address:
Name WATERLAB
Street 2609 12TH ST. S.E.
City SALEM State OR Zip 97302
Water Source: Surface ☐ Ground ☐
Collector's Name _____

Sample Location:
Name N. Polk Well
Street Buell-Red Prairie Water System
City _____ State _____ Zip _____
Sample Point Well head
URC Sample No. 91018-4

OSHD DRINKING WATER STANDARDS

Organics

Test	Test Method[1]	Units	Limits	Test Results	Date of Analysis	Analyst
Endrin	SM 509 A	MG/L	0.0002	ND@0.00004	11/2/89	JEA
Lindane	SM 509 A	MG/L	0.004	ND@0.00002	11/2/89	JEA
Methoxychlor	SM 509 A	MG/L	0.1	ND@0.0002	11/2/89	JEA
Toxaphene	SM 509 A	MG/L	0.005	ND@0.001	11/2/89	JEA
2,4-D	SM 509 B	MG/L	0.1	ND@0.002	11/7/89	JEA
2,4,5-TP (Silvex)	SM 509 B	MG/L	0.01	ND@0.0002	11/7/89	JEA

1. SM = Standard Methods, 14th Ed. ND = None Detected

Approved by: _____

— Original Application —

Application No. 66101 C Permit No.

STATE OF OREGON WATER RESOURCES DEPARTMENT

Application for Permit to Appropriate Surface Water

RECEIVED
S... 1993
WATER RESOURCES DEPT
SALEM, OREGON

I, Buell-Red Prairie Domestic Water Assn (Name of Applicant)

of 6275 Red Prairie Rd (Mailing Address), Sheridan (City)

State of Ore, 97378 (Zip Code) Phone No. 843-2718 do hereby

make application for a permit to appropriate the following described waters of the State of Oregon:

1. The source of the proposed appropriation is Gossamer Cr

, a tributary of Mill Cr

2. The point of diversion is to be located ... ft. (N. or S.) and ... ft. (E. or W.)

from the ... corner of a N 59° 25' W 1121.0 ft from (Public Land Survey Corner)

the S¼ cor Sec 35 T 6S R 7W

(If there is more than one point of diversion, each must be described)

being within the SE¼ of the SW¼ of

Sec. 35 Tp. 6 (N. or S.) R. 7W (E. or W.), W. M., in the county of Polk

3. Location of area to be irrigated, or place of use if other than irrigation.

Township	Range	Section	List ¼ ¼ of Section	List use and/or number of acres to be irrigated
6S	7W	35	SW¼ SE¼	Recharge well

Form 600-1-0-1-77

25729

4. The amount of water which the applicant intends to apply to beneficial use is 75 gpm

~~cubic feet per second~~

(If water is to be used from more than one source, give quantity from each)

5. The use to which the water is to be applied is Ground water recharge

6. DESCRIPTION OF WORKS

Include dimensions and type of construction of diversion dam and headgate, length and dimensions of supply ditch or pipeline, size and type of pump and motor, type of irrigation system to adequately describe the proposed distribution system.

Water will be injected into the aquifer by means of an existing well ~~No.~~ 90-100' deep located in the SW¼SE¼ Sec 35 T 6 S R 7 W. Withdrawal will be made from two wells described in Permit G 8748 (Appl 9326) located in the NE¼SE¼ & NW¼SE¼ Sec 35 T 6 S R 7 W. The water will be pre-treated before recharge & a turbidity meter installed with automatic shut off to prevent recharge when turbidity reaches pre-determined levels. The recharge well was free flowing prior to pumping the two wells under Permit G 8748 and is no longer in use. The recharge well is approx 600 ft from one withdrawal well & 1700 ft from the other. There is no development upstream from the creek diversion point.

If for domestic use state number of families to be supplied

7. Construction work will begin on or before Jan 1964

8. Construction work will be completed on or before Apr 1964

9. The water will be completely applied to the proposed use on or before Apr 1965

Remarks:

s permit, when issued, is for the beneficial use of water. By , the land use associated with this water use must be in com- ance with statewide land-use goals and any local acknowledged d-use plan. It is possible that the land use you propose may be allowed if it is not in keeping with the goals and the knowledged plan. Your city or county planning agency can vise you about the land-use plan in your area.

M S Brulyt Engineer
Signature of Applicant
for Buell Red Prairie Domestic Water Association

This is to certify that I have examined the foregoing application, together with the accompanying maps and data, and return the same for completion

In order to retain its priority, this application must be returned to the Water Resources Director with corrections on or before June 5, *19*84

WITNESS my hand this 5th *day of* December, *19*83

WILLIAM H. YOUNG, *Water Resources Director*

By Larry W. Jebousek

Larry W. Jebousek

RECEIVED
JUN 8 1984
WATER RESOURCES DEPT.
SALEM, OREGON

This instrument was first received in the office of the Water Resources Director at Salem, Oregon, on the 15th *day of* September, *19*83, *at* 3:50 *o'clock* P *M.*

Application No. 66101 *Permit No.*

Treasure Report for Dec 1989

Beginning	Bal	16,572.33	16,572.33
The desk dealer	file Cabinet	130.00	
Tax Collectors	surchg - file folder	29.38	
Industrial Supply	Chlorine	312.00	
Fitzgerald HW	pipe & fittings	163.00	
Alice Propes	Trailer electricity	40.08	
Water Tab	December	14.00	
United Phone	office	26.99	
Ticor Title Co	Propes Loan	1786.00	
Henkle & McCoy	Hole Hog Veaches	255.00	
Sumco Excavating	Veaches	636.00	
Neoma R.	Bookkeeping	372.00	
John & Mary Kunley	January	2860.00	
PGE		393.66	
Greenwood	office	14.05	
Water System Supply Co	3/4" (3)	120.00	
Don Capestran	phone Calls - Material	17.73	
Don Capestran	Mileage	345.30	
Don Capestran	Wages 460.-	270.49	
	Total bills	7785.68	(7785.68)
deposited	total	7395.60	7395.60
	Ending Balance		16,182.25
Savings	acct		
Savings	Beginning	Bal.	6220.91
	Interest		8094
	Ending	Balance	6301.85
C.D.	10,000.00	Int. 880.00	10,880.00
Money MRKT.	16,164.01	Int. 199.16	16,363.17
			27,243.17

Savings Net final on all accts: 33,545.02

Savings & Checking - Net Worth 49,727.27

STATE OF OREGON

DEPARTMENT OF ENVIRONMENTAL QUALITY INTEROFFICE MEMORANDUM

DATE: December 20, 1990

TO: Donn Miller
Water Resources Department

RECEIVED
DEC 24 1990
WATER RESOURCES DEPT.
SALEM, OREGON

FROM: Rene C. Dulay
Industrial Waste Section, WQD

SUBJECT: Buell-Red Prairie Water Association Recharge Permit

Attached herewith is the draft of the monitoring plan for the Red Prairie Recharge project. We have considered the comments from Red Prairie during the meeting on December 17, 1990 and were incorporated in the monitoring plan.

Limits for pH and total coliform has been added. Also the monitoring of nitrate has been changed from 2 per year to monthly. A review of the nitrate data showed that there is a dramatic increase of nitrate in the groundwater since 1979. There is a need to monitor nitrate more often.

We would like to comment also on the permit. In item 13(B) on page 4, the second sentence should read as follows:

> 13(B) Reports to the Department of Environmental Quality shall be directed to the attention of the DEQ Willamette Valley Region office.

Attached also is an example of the monitoring report form which should be used by the permittee. Although the form is intended for NPDES monitoring permit requirement, this could be used for the proposed WRD permit. This form could be obtained from the Willamette Valley Region office or from Water Quality Division.

Please let me know if there are any further comments on the monitoring plan. Otherwise, I plan to send the final monitoring plan by the first week of January 1991.

Attachments
cc: Willamette Valley Region, DEQ w/ attachments

MONITORING AND SAMPLING PLAN

1. Unless otherwise agreed in writing by the Water Resources Department, data collected, and submitted shall include but not necessarily be limited to the following parameters and minimum frequencies:

Recharge Well

Item or Parameter	Minimum Frequency*	Type of Sample
Total Coliform	Monthly	Grab
Nitrate (as N)	Monthly	Grab
Total Dissolved Solids	2 per year	Grab
pH	2 per year	Grab
Inorganic Chemicals		
Arsenic	Annual	Grab
Barium	Annual	Grab
Cadmium	Annual	Grab
Chromium	Annual	Grab
Copper	Annual	Grab
Fluoride	Annual	Grab
Iron	Annual	Grab
Lead	Annual	Grab
Manganese	Annual	Grab
Mercury	Annual	Grab
Selenium	Annual	Grab
Silver	Annual	Grab
Total Trihalomethanes	Annual	Grab

* Water shall be sampled for the required analyses at the point of injection at the recharge well.

2. Water to be recharged shall be analyzed for organic chemicals and regulated volatile organic compounds (VOC) in the frequency required by the Drinking Water Section of the Oregon Health Division. (The data shall be submitted to the Water Resources Department within 45 days after sampling of the recharge well.)

3. Recharge activities shall cease when any of the following conditions occur during the injection of treated water to the recharge well:

   a. Nitrate level of recharge water exceeds 5.0 mg/l.

   b. Total coliform shall not exceed <1/100 ml**.

   c. Concentration of any of the Inorganic Chemicals in the recharge water exceeds one half (1/2) of the Safe Drinking Water Standard Maximum Contaminant Levels.

d. pH shall be within the range 6.5 - 8.5.

e. Any of the Organic Chemicals or Volatile Organic Compounds is detected in the recharge water using approved analytical procedures under the Safe Drinking Water Act.

** Total coliform analyses are to be conducted using the 10-tube Multiple Tube Fermentation (MTF) Technique.

Recharge activities ~~in~~ shall resume only if contaminant levels as specified in Item 3 are not exceeded or if measures to prevent, correct and/or monitor any adverse groundwater quality or quantity effects have been agreed to and implemented.

4. The permittee shall submit the data required by the Health Division in monitoring of organic chemicals for community water systems.

NEIL GOLDSCHMIDT
GOVERNOR

Water Resources Department

3850 PORTLAND ROAD NE, SALEM, OREGON 97310 PHONE 378-8455

MEMORANDUM

TO: Water Resources Commission

FROM: Director Why

SUBJECT: Agenda Item K, February 1, 1991, Water Resources Commission meeting

Consideration for Approval of Application 66101 to Appropriate Water for Artificial Groundwater Recharge, Buell-Red Prairie Domestic Water Association, Polk County.

Background

Art. GW Recharge - amount - referral to WRC

Application 66101 proposes the appropriation of 75 gallons per minute (0.17 cfs) and 61 acre-feet per year from Gooseneck Creek for the purpose of artificially recharging a deep volcanic tuff groundwater reservoir (Attachment 1). The intended use of the recharged water would ultimately be quasi-municipal (domestic) purposes through a future secondary permit. The recharge would serve to augment the depleted natural supply to the Association's deep wells. Administrative Rule 690-11-080 (2)(a)(E) specifies that the Director shall refer to the Commission all applications for artificial groundwater recharge.

Oct WRC Mtg + Assoc Town

Discussion

The Buell-Red Prairie Domestic Water Association provides mainly domestic water to rural users in Polk and Yamhill Counties. The Association serves about 900 people in a 36-square-mile area through 36 miles of distribution pipe. Due to severe groundwater scarcity in this area, the cost of water and the available supply limit anything but the most frugal use of water to Association members. This scarcity is likely to prohibit expansion of the Association's service.

The Association relies upon two wells for its quasi-municipal water supplies. The wells were constructed in 1979 and withdraw water under permit G-8748. These wells and the completion of the distribution system replaced the use of numerous individual wells and springs by Association members. In 1983 after a few years of use, the wells became almost unusable due to groundwater depletion that they caused. At that time, the Association began artificial groundwater recharge using the basic recharge scheme in Application 66101. That activity resulted in the rebound of water levels in the wells and allowed continued use.

The recharge scheme consists of taking water from Gooseneck Creek during the high-flow months and recharging the groundwater reservoir through a former irrigation well. Association data reveal that the recharge results in water level rebounds at well #1 which is 800 feet away. Water quality data suggest that recharge water also moves to well #2 which is 1700 feet away. At the present time the two wells are in near constant use to provide the average demand of 69,000 gpd (0.11 cfs).

The recharge rate and volume will vary in response to conditions which are encountered at the recharge well and flow limitations on the creek. The application anticipates a recharge rate of 75 gpm which is based on experience at the recharge well. It is likely that the requested rate could be met almost continuously at the recharge well.

The Oregon Department of Environmental Quality (DEQ), the Oregon Department of Fish and Wildlife (ODFW), and the Oregon State Health Division worked with the Department and applicant to draft a permit (Attachment 2). The draft permit addresses water quality by requiring compliance with other state agency programs and water quantity through metering, measurement, and specific streamflow requirements. The draft requires annual and other reports to the Department and other agencies and provides the Department the ability to modify the permit due to actual recharge performance or require recharge to stop due to adverse circumstances.

Water quantity is an issue in this application. ORS 537.135 (recharge statute) states in subsection 5 that "the Water Resources Commission shall not issue a ground water recharge permit unless the supplying stream has a minimum perennial stream flow established for the protection of aquatic and fish life. The State Department of Fish and Wildlife may waive this prerequisite if a minimum perennial stream flow for protection of aquatic and fish life is not required for the supplying stream." Since Gooseneck Creek has no minimum streamflow or instream water right for aquatic and fish life, ODFW has offered permit-specific minimum flows for the mouth of Gooseneck Creek in order to waive the need for a minimum flow. The ODFW letter of March 14, 1990 (Attachment 3) outlines those flows and the draft incorporates them. The Department's own water availability analysis indicates that those flows are typically met (Attachment 4).

Additional water quantity issues arise since Gooseneck Creek is a tributary of Mill Creek which is a tributary of the South Yamhill River. The chronic low summer flows of the South Yamhill River are a concern to ODFW, DEQ, Oregon Trout and Waterwatch as referenced by letters in pending applications on that river. The draft permit addresses that concern by limiting recharge to the period October through May. Any recharge permit on this application would also be subject to the existing instream water rights (converted minimum streamflows) on Mill Creek at the mouth, the South Yamhill River near Whiteson, and the Yamhill River near Lafayette.

Water quality is also a concern in this project. The watershed is undeveloped above the diversion point. The watershed is controlled mainly by the Bureau of Land Management but also by a private timber operator. Coordination with DEQ on this application resulted in the applicant's testing of creek water for numerous organic chemicals and volatile organic compounds. None of the constituents were discovered and their introduction into the watershed appears remote. Both DEQ and Health Division have sampling requirements for the Association which are referenced and required by the draft permit (Attachment 2).

Water Quality

Enroachment draft permit

Alternatives

1. Find that the use with the conditions in the draft permit in Attachment 2 would not be detrimental to the public interest and instruct the Director to issue the permit.

2. Find that the use, as otherwise conditioned, would not be detrimental to the public interest and instruct the Director to issue a permit with other conditions.

3. Find that the use may be detrimental to the public interest and require a public interest hearing by the Commission to assist in making a determination.

Director's Recommendation

The staff recommends that the Commission approve Alternative 1: find that the use as conditioned in the draft permit would not be detrimental to the public interest and instruct the Director to issue the permit.

Attachments:
1. Application 66101 and Map
2. Draft Permit
3. ODFW letter
4. Water Availability Analysis

Donn Miller: dm
378-8455
January 9, 1991

Application No. 66101 (..... Permit No. (..... ATTACHMENT 1

STATE OF OREGON WATER RESOURCES DEPARTMENT

Application for Permit to Appropriate Surface Water

RECEIVED
S... 1983
WATER RESOURCES DEPT
SALEM, OREGON

I, Buell-Red Prairie Domestic Water Assoc (Name of Applicant)

of 6875 Red Prairie Rd (Mailing Address), Sheridan (City)

State of Ore, 97378 (Zip Code) Phone No. 843-2218 do hereby make application for a permit to appropriate the following described waters of the State of Oregon:

1. The source of the proposed appropriation is Gooseneck Cr, a tributary of Mill Cr

2. The point of diversion is to be located ..... ft. (N. or S.) and ..... ft. (E. or W.) from the ..... corner of N 59°25' W 1121.0 ft from (Public Land Survey Corner) the S¼ cor Sec 35 T 6S R 7W (If there is more than one point of diversion, each must be described)

being within the SE¼ ¼ of the SW¼ ¼ of Sec. 35 Tp. 6S (N. or S.) R. 7W (E. or W.), W. M., in the county of Polk

3. Location of area to be irrigated, or place of use if other than irrigation.

Township	Range	Section	List ¼ ¼ of Section	List use and/or number of acres to be irrigated
6S	7W	35	SW¼ SE¼	Recharge well

Form 690-1-0-1-77

7-77

4. *The amount of water which the applicant intends to apply to beneficial use is* 7.5 7 p.m.

~~cubic feet per second~~

(If water is to be used from more than one source, give quantity from each)

5. *The use to which the water is to be applied is* Ground water recharge.

6. *DESCRIPTION OF WORKS*

Include dimensions and type of construction of diversion dam and headgate, length and dimensions of supply ditch or pipeline, size and type of pump and motor, type of irrigation system to adequately describe the proposed distribution system.

Water will be injected into the aquifer by means of an existing well ~~[illegible]~~ 90-100' deep A located in the SW¼SE¼ Sec 35 T6S R7W. Withdrawal will be made from two wells described in Permit G ~~[illegible]~~ 8748 (Appl 9326) located in the NE¼SE¼ & NW¼SE¼ Sec 35 T6S R7W. The water will be pre-treated before recharge & a turbidity meter installed with automatic shut off to prevent recharge when turbidity reaches pre-determined levels. The recharge well was free flowing prior to pumping the two wells under Permit G 8748 and is no longer in use. The recharge well is approx 800 ft from one withdrawal well & 1700 ft from the other. There is no development upstream from the creek diversion point.

If for domestic use state number of families to be supplied

7. *Construction work will begin on or before* Jan 1984

8. *Construction work will be completed on or before* Apr 1984

9. *The water will be completely applied to the proposed use on or before* Apr 1985

ATTACHMENT 1

Remarks:

This permit, when issued, is for the beneficial use of water. By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan. It is possible that the land use you propose may not be allowed if it is not in keeping with the goals and the acknowledged plan. Your city or county planning agency can advise you about the land-use plan in your area.

M S Bartlett Engineer
Signature of Applicant
For Buell Red Prairie Domestic Water Association

This is to certify that I have examined the foregoing application, together with the accompanying maps and data, and return the same for completion

In order to retain its priority, this application must be returned to the Water Resources Director with corrections on or before June 5, *19* 84

WITNESS my hand this 5th *day of* December, *19* 83

WILLIAM H. YOUNG, *Water Resources Director*

By Larry W. Jebousek
Larry W. Jebousek

RECEIVED
JUN 8 1984
WATER RESOURCES DEPT.
SALEM, OREGON

This instrument was first received in the office of the Water Resources Director at Salem, Oregon, on the 15th *day of* September, *19* 83, *at* 3:50 *o'clock* P *M.*

Application No. 66101 *Permit No.*

Application No. 66101 ..... *Permit No.* ..... ATTACHMENT 1 PC/RCR

Permit to Appropriate the Public Waters of the State of Oregon

This is to certify that I have examined the foregoing application and do hereby grant the same SUBJECT TO EXISTING RIGHTS INCLUDING THE EXISTING FLOW POLICIES ESTABLISHED BY THE WATER POLICY REVIEW BOARD and the following limitations and conditions:

The right herein granted is limited to the amount of water which can be applied to beneficial use and shall not exceed ..... cubic feet per second measured at the point of diversion from the stream, or its equivalent in case of rotation with other water users, from .....

.....

.....

The use to which this water is to be applied is .....

.....

.....

If for irrigation, this appropriation shall be limited to ..... of one cubic foot per second or its equivalent for each acre irrigated .....

.....

.....

.....

.....

.....

.....

.....

.....

.....

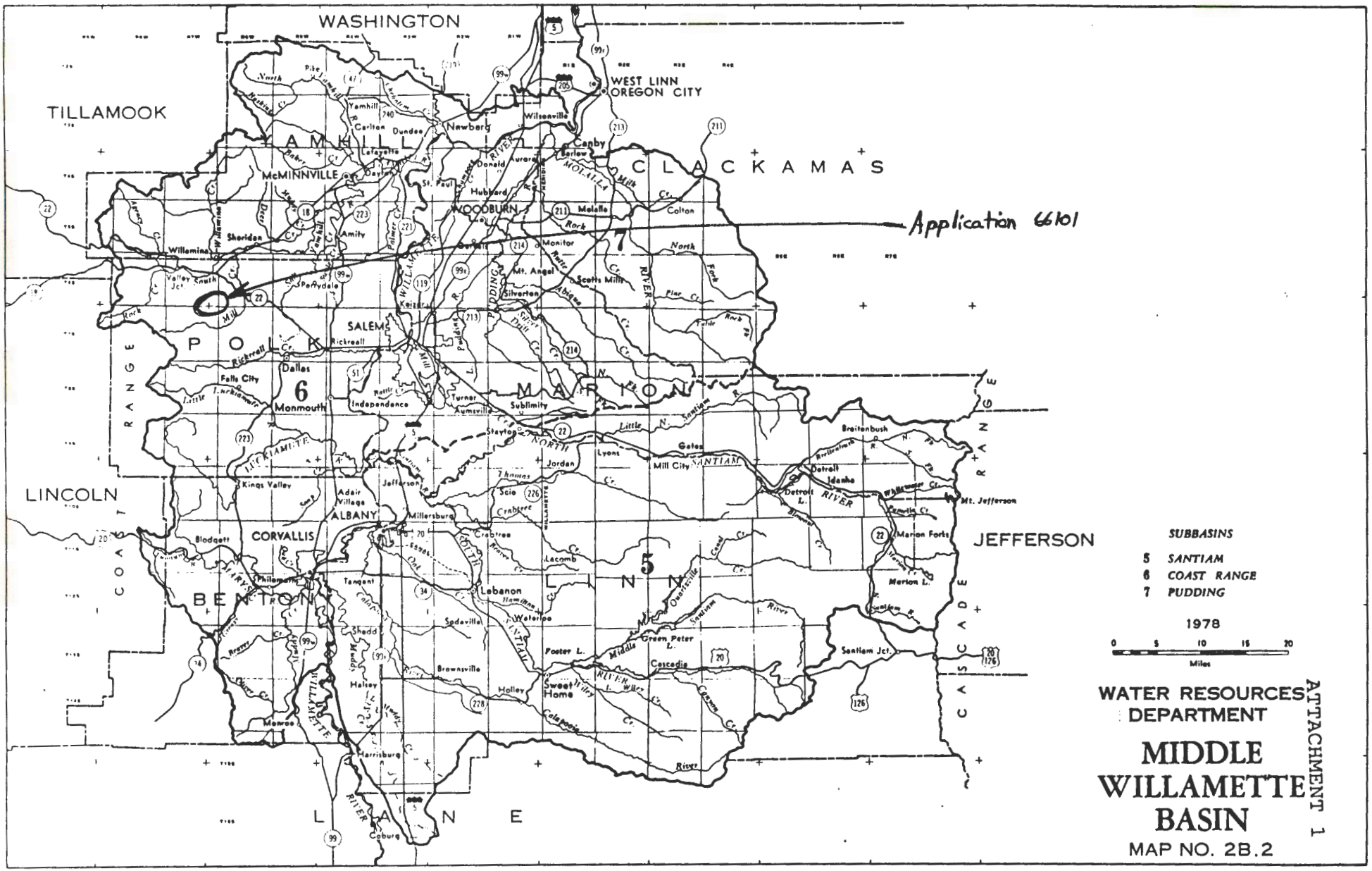
and shall be subject to such reasonable rotation system as may be ordered by the proper state officer.

The priority date of this permit is .....

Actual construction work shall begin on or before ..... and shall thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 19.....

Complete application of the water to the proposed use shall be made on or before October 1, 19.....

WITNESS my hand this ..... day of ....., 19.....


WASHINGTON
TILLAMOOK
CLACKAMAS
WEST LINN
OREGON CITY
McMINNVILLE
WOODBURN
SALEM
Dallas
Monmouth
Independence
Stayton
Sublimity
Mill City
Gates
Detroit
Idanha
Mt. Jefferson
Marion Forks
JEFFERSON
Santiam Jct.
Cascadia
Lebanon
Sweet Home
Brownsville
Halsey
Harrisburg
Shedd
Sodaville
Tangent
Philomath
CORVALLIS
ALBANY
Millersburg
Jefferson
Scio
Lyons
Mehama
Gates
Idanha
Detroit
Monroe
Coburg
LINCOLN
LANE
POLK
MARION
LINN
BENTON
YAMHILL
CLACKAMAS
COAST RANGE
CASCADES
Application 66101
6
7
5
SUBBASINS
5 SANTIAM
6 COAST RANGE
7 PUDDING
1978
0 5 10 15 20
Miles
WATER RESOURCES DEPARTMENT
MIDDLE WILLAMETTE BASIN
MAP NO. 2B.2
ATTACHMENT 1

ATTACHMENT 2

STATE OF OREGON

COUNTY OF POLK

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

843-2218

BUELL-RED PRAIRIE DOMESTIC WATER ASSOCIATION (ASSOCIATION)
6890 FRANK ROAD
SHERIDAN, OREGON 97378

to use the waters of GOOSENECK CREEK, a tributary of MILL CREEK, for GROUNDWATER RECHARGE. The permit to use these waters is issued under Application 66101. The date of priority is JUNE 8, 1984. The use is limited to the period from October 1 through May 31, not more than 75.0 GALLONS PER MINUTE, and not to exceed 61.0 ACRE-FEET each recharge period/year, measured at the point of diversion.

The point of diversion is located as follows:

SE 1/4 SW 1/4, Section 35, T 6 S, R 7 W, W.M.; North 59 Degrees, 25 Minutes West, 1121 feet from S 1/4 corner Section 35.

The permittee shall appropriate water from Gooseneck Creek only when the following instream flows in cubic feet per second are maintained at the mouth of Gooseneck Creek:

OCTOBER	NOVEMBER THROUGH MAY
1.0	10.0

The water user shall install and maintain an in-line flow meter, weir, or other suitable device, of a type and at a location to be approved by the watermaster, for measuring or recording the above instream flows.

The use of water allowed under this permit shall conform to such reasonable rotation system as may be ordered by the proper state officer.

The place of use is the recharge well which is located as follows:

SW 1/4 SE 1/4
SECTION 35
TOWNSHIP 6 SOUTH, RANGE 7 WEST, W.M.

This permit is also subject to the following conditions:

1. Meters: The permittee shall meter the water withdrawn at the diversion and meter the water injected into the recharge well.

2. Records, inspections: The permittee shall keep accurate and current records of daily metered values, water levels and other operational information. The Water Resources Director (Director) may inspect the records and works covered by this permit upon one day notice and at any reasonable time.

3. Estimated data: When data are missing in whole or in part, the Director may make estimates from available data. Those estimates shall be reasonable and, where a range of uncertainty exists, conservatively low on water delivered to the place of recharge.

4. Water level monitoring: Once each year between April 1 and June 1, the permittee shall measure and record the depth to water below land surface in each of the following wells to 1 foot accuracy. Prior to the determinations, recharge and pumping shall be suspended by the permittee for at least seven days. Two of the wells are not controlled by the Association, however the permittee shall attempt to cooperate with the other owners to obtain these measurements.

Well Location	Common Name	Remarks
T6S/R7W-35db	Buell-Red Prairie #1	
T6S/R7W-35da	Buell-Red Prairie #2	
T6S/R7S-35dc	Recharge Well	
T6S/R7W-35ca	Mike Propes Well	Not controlled by Association
T6S/R7W-35db	Villager Well	Not controlled by Association

5. Target water levels in key wells: This permit designates two existing wells as key wells in the water level monitoring program. As determined between April 1 and June 1 of each year, actual water levels at these wells shall be compared to the target levels to determine allowable use as indicated under the allowable use of stored water condition. Key wells and associated target levels are:

		Target Levels (feet below Land Surface Datum)	
Well Location	Common Name	Upper	Lower
T6S/R7W-35db	Buell-Red Prairie #1	25	125
T6S/R7W-35dc	Recharge Well	0	50

6. Storage account for the determination of stored recharge water: The Water Resources Department (WRD) shall make final determinations on stored groundwater. This shall occur through a storage account which covers this permit. The storage account shall be based on recharge and secondary permit withdrawals over only the preceding five recharge years. For this permit, the recharge year is the period from June 1 through May 31 of each year. It shall be credited at 80% of water metered to the place of recharge. Withdrawals of stored water shall be debited at 100% of metered values at wells covered by a secondary permit(s). The debit applies to that portion of withdrawals which are in excess of the permittee's natural water pumpage of 5 million gallons annually under Permit G-8748. The permittee may obtain information on the storage account from the WRD by submitting a written request.

7. Allowable use of stored recharge water: The availability of recharge water stored under this permit is based on the priority of secondary groundwater rights and the allowable use of stored recharge water. The allowable use of stored recharge water during any water year falls into 3 categories. For ease of reference, these categories are named as color zones.

(A) Green zone: If recent water levels as determined between April 1 and June 1 at the two (2) key wells are above the upper target levels, use is allowed up to the maximum of the storage account.

(B) Yellow zone: If neither Green zone nor Red zone water levels prevail, use is allowed up to 80 percent of the recharge volume for the preceding 12 months.

(C) Red zone: If recent water levels as determined between April 1 and June 1 at two (2) key wells are below the lower target levels, no use of recharged water is allowed the following recharge year.

8. Permit assignment: A potential assignee shall prove, to the Director's satisfaction, the financial capability to construct uncompleted portions of, and operate, the project authorized by the permit.

9. Mitigating unforseen effects:

(A) If, under actual operation of the recharge project, the Director notifies the permittee that the Director has reason to believe there are adverse groundwater quantity or quality effects, the permittee shall cease recharge activities. No further diversion shall be made until measures to prevent, correct or monitor those adverse effects have been agreed to and implemented.

(B) If, in the judgement of the Director, project performance or other hydrologic circumstances indicate that provision(s) in this permit are an unnecessary hardship, or are either inappropriate or inadequate to monitor or manage the quantity or protect the quality of the groundwater resource, the Director may modify target water levels, key wells, the storage account credit factor, the storage account, or any other term of this permit as necessary to remedy the deficiencies.

10. Technical oversight: The construction and operation of the recharge project shall be overseen by a professional registered civil engineer(s) licensed to practice in Oregon.

11. Other state or federal agency requirements:

The following conditions are notices of requirements of other Oregon state agencies. The permittee shall correspond directly with each agency regarding monitoring, reporting and any other requirements. Reports shall only be submitted to the requiring agency.

The WRD will enforce these conditions in a manner similar to other conditions in this permit but only upon notice of noncompliance and request for enforcement from the responsible agencies.

Conditions 11(A) and (B) shall remain in effect unless and until WRD receives a written agreement signed by the permittee and responsible agencies to modify the conditions.

(A) The permittee shall comply with the requirements of the Oregon State Health Division.

(B) The permittee shall provide appropriate groundwater quality protection as specified by the Oregon Department of Environmental Quality (DEQ). The DEQ monitoring and sampling plan for this project was submitted to the WRD by letter of January 18, 1991, and is, by reference, included as part of this permit.

12. Water conservation program: Within one year from the date the Water Resources Commission adopts rules describing the schedules, standards and procedures for water management plans by water suppliers, the Association shall submit a plan which is consistent with the rules.

13. Annual and other reports:

(A) The permittee shall submit an annual report to the WRD and any secondary permittee by June 15 of each year. That report shall include the range of diversion and recharge rates and total quantities diverted and recharged during the prior recharge year (ending May 31) as metered under conditions 1, 2, and 3. In addition, the report shall include the water level data from condition 4, the permittee's estimate of the storage account under condition 6, a brief narrative describing operational factors related to the recharge project and conditions 8, 9, 10, 12, and a list of the dates of any reports submitted to other agencies under condition 11.

ATTACHMENT 2

(B) The permittee shall submit, as scheduled, any reports required by other agencies under condition 11, directly to those agencies.

The wells shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works constructed shall include an air line and pressure gauge or an access port for measuring line, adequate to determine water level elevation in the well at all times.

This development was reviewed and approved by the Water Resources Commission on February 1, 1991.

Actual construction work shall begin on or before February 4, 1992, and shall be completed on or before October 1, 1992. Complete application of the water to the use shall be made on or before October 1, 1993.

This permit is for the beneficial use of water without waste. By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

Issued this date, February 4, 1991.

Water Resources Department
William H. Young
Director

51165

ATTACHMENT 2

STATE OF OREGON

DEPARTMENT OF ENVIRONMENTAL QUALITY INTEROFFICE MEMORANDUM

DATE: December 20, 1990

TO: Donn Miller
Water Resources Department

FROM: Rene C. Dulay
Industrial Waste Section, WQD

RECEIVED
DEC 24 1990
WATER RESOURCES DEPT.
SALEM, OREGON

SUBJECT: Buell-Red Prairie Water Association Recharge Permit

Attached herewith is the draft of the monitoring plan for the Red Prairie Recharge project. We have considered the comments from Red Prairie during the meeting on December 17, 1990 and were incorporated in the monitoring plan.

Limits for pH and total coliform has been added. Also the monitoring of nitrate has been changed from 2 per year to monthly. A review of the nitrate data showed that there is a dramatic increase of nitrate in the groundwater since 1979. There is a need to monitor nitrate more often.

We would like to comment also on the permit. In item 13(B) on page 4, the second sentence should read as follows:

13(B) Reports to the Department of Environmental Quality shall be directed to the attention of the DEQ Willamette Valley Region office.

Attached also is an example of the monitoring report form which should be used by the permittee. Although the form is intended for NPDES monitoring permit requirement, this could be used for the proposed WRD permit. This form could be obtained from the Willamette Valley Region office or from Water Quality Division.

Please let me know if there are any further comments on the monitoring plan. Otherwise, I plan to send the final monitoring plan by the first week of January 1991.

Attachments
cc: Willamette Valley Region, DEQ w/ attachments

1/8/91

Note: Final letter is "in the mail".

MONITORING AND SAMPLING PLAN ATTACHMENT 2

1. Unless otherwise agreed in writing by the Water Resources Department, data collected, and submitted shall include but not necessarily be limited to the following parameters and minimum frequencies:

Recharge Well

Item or Parameter	Minimum Frequency*	Type of Sample
Total Coliform	Monthly	Grab
Nitrate (as N)	Monthly	Grab
Total Dissolved Solids	2 per year	Grab
pH	2 per year	Grab
Inorganic Chemicals		
Arsenic	Annual	Grab
Barium	Annual	Grab
Cadmium	Annual	Grab
Chromium	Annual	Grab
Copper	Annual	Grab
Fluoride	Annual	Grab
Iron	Annual	Grab
Lead	Annual	Grab
Manganese	Annual	Grab
Mercury	Annual	Grab
Selenium	Annual	Grab
Silver	Annual	Grab
Total Trihalomethanes	Annual	Grab

* Water shall be sampled for the required analyses at the point of injection at the recharge well.

2. Water to be recharged shall be analyzed for organic chemicals and regulated volatile organic compounds (VOC) in the frequency required by the Drinking Water Section of the Oregon Health Division. (The data shall be submitted to the Water Resources Department within 45 days after sampling of the recharge well.)

3. Recharge activities shall cease when any of the following conditions occur during the injection of treated water to the recharge well:

   a. Nitrate level of recharge water exceeds 5.0 mg/l.

   b. Total coliform shall not exceed <1/100 ml**.

   c. Concentration of any of the Inorganic Chemicals in the recharge water exceeds one half (1/2) of the Safe Drinking Water Standard Maximum Contaminant Levels.

DRAFT

d. pH shall be within the range 6.5 - 8.5. ATTACHMENT 2

e. Any of the Organic Chemicals or Volatile Organic Compounds is detected in the recharge water using approved analytical procedures under the Safe Drinking Water Act.

** Total coliform analyses are to be conducted using the 10-tube Multiple Tube Fermentation (MTF) Technique.

Recharge activities ~~in~~ shall resume only if contaminant levels as specified in Item 3 are not exceeded or if measures to prevent, correct and/or monitor any adverse groundwater quality or quantity effects have been agreed to and implemented.

4. The permittee shall submit the data required by the Health Division in monitoring of organic chemicals for community water systems.

NEIL GOLDSCHMIDT
GOVERNOR

Department of Fish and Wildlife

P.O. BOX 59, PORTLAND, OREGON 97207

RECEIVED
MAR 16 1990
ATTACHMENT 3
WATER RESOURCES DEPT.
SALEM, OREGON

March 14, 1990

Jake Szramek
Water Resources Department
3850 Portland Road N.E.
Salem, OR 97310

Re: Water Right 66101, Buell-Red Prairie Water Association, Gooseneck Creek 75 gpm (0.16 cfs)

Gooseneck Creek contains wild steelhead and cutthroat trout. In July, 1979 and 1987, our West Slope-Mollala District Fish Biologist, John Haxton, inventoried Gooseneck Creek and collected wild juvenile steelhead and cutthroat trout. During the 1987 inventory, a 0.5 cubic feet per second (cfs) Gooseneck streamflow was observed.

The Willamette Basin Comprehensive Study, Pacific Northwest River Basins Commission 1969, appendix D, recommends minimum perennial streamflows in cfs at Gooseneck Creek's mouth as follows:

Nov-May	Jun	Jul	Aug-Sep	Oct
10	5	2	1	1

The applicant requests surface water appropriation to recharge wells. OAR 690-11-0851 requires the applicant to obtain an ODFW waiver to the requirement for establishment of a Minimum Perennial Streamflow. Unless the applicant is willing to accept the above minimum streamflow conditions, ODFW recommends this application be denied.

Thank you for the opportunity to comment.

Sincerely,

Gregory P. Robart
Staff Biologist
Aquatic Habitats Program
Habitat Conservation Division

grg
c: WRD, Groundwater Permits - Brown

ATTACHMENT 4

December, 27, 1990

MEMORANDUM

To: ~~Mike Mattick~~ Donn Miller - call me MM Looks OK wt CDFW min Flow #s

From: E. George Robison E. George Robison

Concerning: Flows on Gooseneck Creek

Attached are the calculated flows for Gooseneck Creek that you requested me to get. If you look at the attachments you will see that there is flow year round but the flow gets very low during August and September. In looking at the existing water rights there is 600 acre feet diverted for municipal use. If water is diverted equally 365 days a year for this use the flow would be about 0.8 CFS per day taken out of the stream. That would represent water that should be subtracted from the values I gave you. In August and September the streamflows go down to a few cubic feet per second. With the municipal diversion this may almost dry up the stream. However, there is a small reservoir on the stream and maybe this makes up for this demand. Flows from a neighboring gaged watershed (Mill Creek, area 27.4 miles sqrd., see attached streamflows highlighted in Orange) show that the model results are reasonable. By doing a basin to basin ratio on basin area I get an August 50% exceedence flow of 2.4 CFS as compared with 2.7 CFS with the model. There are four separate attachments giving results. I hope this is what you need. If not please give me a call.

cc Fred Lissner Cover only

Attach 1

ATTACHMENT 4

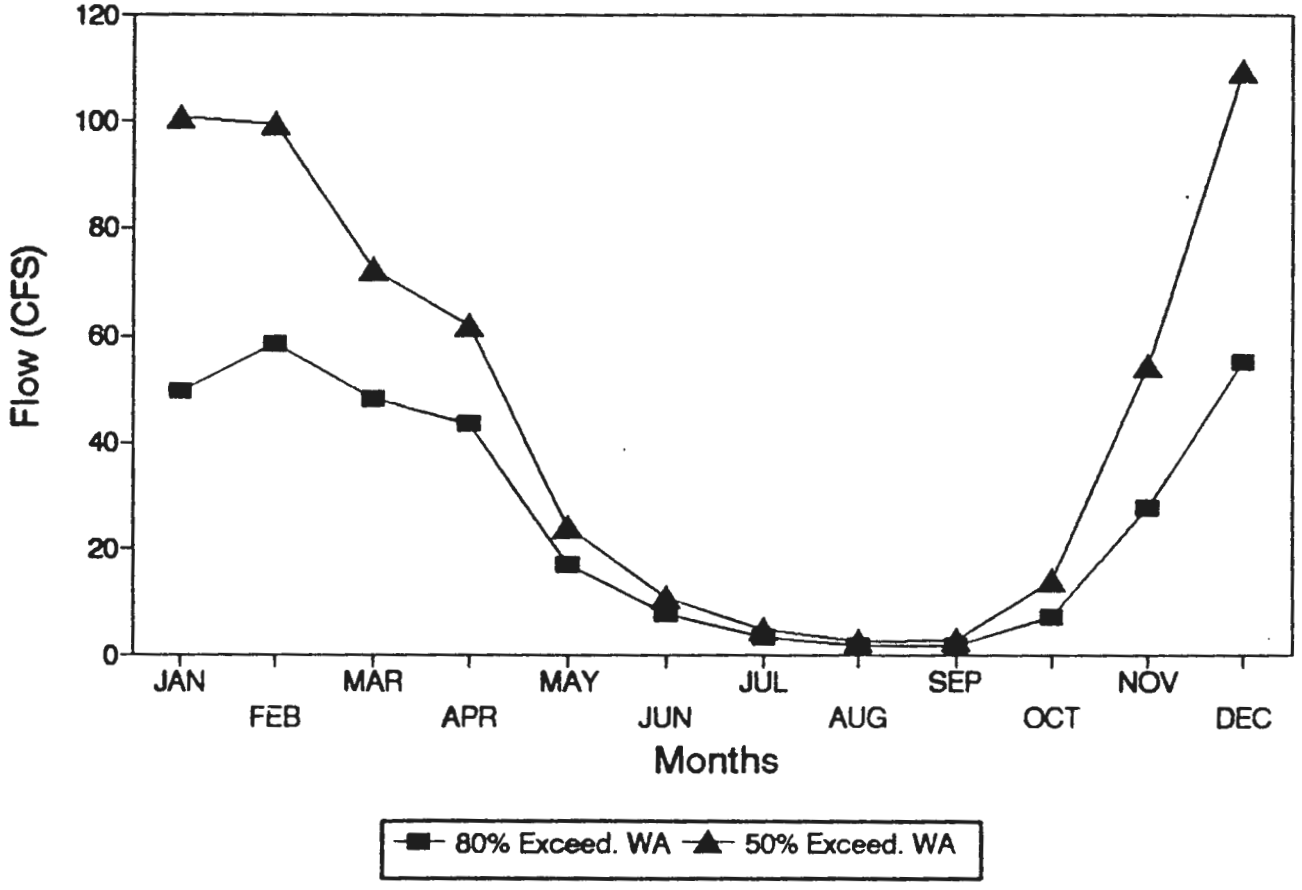
WATER AVAILABILITY TABULATION

Gooseneck Creek at mouth

Months	Pred5	Pred2	Inswr	WA5	WA2
JAN	49.6	100.6	0.0	49.6	100.6
FEB	58.4	99.3	0.0	58.4	99.3
MAR	48.2	72.4	0.0	48.2	72.4
APR	43.4	61.8	0.0	43.4	61.8
MAY	17.1	24.3	0.0	17.1	24.3
JUN	7.9	10.7	0.0	7.9	10.7
JUL	3.5	4.9	0.0	3.5	4.9
AUG	1.8	2.7	0.0	1.8	2.7
SEP	1.9	3.0	0.0	1.9	3.0
OCT	7.2	13.9	0.0	7.2	13.9
NOV	27.7	54.0	0.0	27.7	54.0
DEC	54.8	109.3	0.0	54.8	109.3

2.0 *********
10.9 = Drainage Area
83.2 = Precipitation
18.7 = WR Index
4.8 = SI Index

Water Availability
Gooseneck Creek at mouth



Attach 2.

ATTACHMENT 4

Santiam R. at Jefferson, Or. #14189000
Located in the SE quarter of sec. 11, town. 10s, and range 3w.

Flows	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
80% Exceed.	7625.9	8604.2	7272.1	7541.4	5839.4	2545.5	990.9	519.7	568.8	1093.4	5106.0	8562.0
50% Exceed.	14097.4	14788.1	10142.4	9949.2	8334.5	3903.6	1441.1	705.3	828.2	2351.4	10314.1	15112.0

Luckiamute R. near Hoskins, Or. #14189500
Located in the NE quarter of sec. 11, town. 10s, and range 7w.

Flows	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
80% Exceed.	255.4	290.6	241.0	128.7	61.0	31.5	17.3	11.0	9.7	22.4	121.6	297.3
50% Exceed.	463.3	455.5	350.3	190.8	87.4	42.8	22.2	14.3	14.2	44.6	256.0	508.5

Luckiamute R. at Pedee, Or. #14190000
Located in the SE quarter of sec. 33, town. 9s, and range 6w.

Flows	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
80% Exceed.	567.8	622.1	492.8	266.5	141.4	67.8	31.3	17.4	17.0	34.2	200.4	593.6
50% Exceed.	1105.9	1021.9	735.9	391.0	200.4	89.6	40.8	23.6	24.8	68.0	449.7	1118.8

Little Luckiamute R. at Falls City, Or. #14190100
Located in the SE quarter of sec. 18, town. 8s, and range 6w.

Flows	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
80% Exceed.	199.3	212.1	166.7	109.2	62.0	34.0	20.7	13.7	12.3	18.4	69.2	171.9
50% Exceed.	344.3	313.9	234.7	150.4	85.1	45.0	25.9	17.6	17.7	35.8	138.0	337.7

Grant Cr. near Falls City, Or. #14190350
Located in the NE quarter of the NW quarter of sec. 34, town. 8s, and range 6w.

Flows	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
80% Exceed.	10.0	14.0	11.1	5.7	2.7	1.1	0.5	0.2	0.1	0.3	1.3	8.1
50% Exceed.	24.7	25.9	16.4	9.0	4.1	1.5	0.7	0.3	0.2	0.5	4.5	29.2

Luckiamute R. near Suver, Or. #14190500
Located in the SW quarter of the SW quarter of sec. 18, town. 9s, and range 4w.

Flows	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
80% Exceed.	1129.3	1241.3	956.7	533.0	269.9	119.2	47.4	24.5	29.7	59.9	363.9	1151.6
50% Exceed.	2244.0	2071.3	1431.6	784.0	379.9	160.5	66.0	36.8	43.5	119.4	826.7	2202.0

Rickreall Cr. near Dallas, Or. #14190700
Located in the SE quarter of the SW quarter of sec. 35, town. 7s, and range 6w.

Flows	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
80% Exceed.	162.9	178.6	127.4	63.3	28.0	10.6	3.5	1.6	2.0	4.9	42.6	167.2
50% Exceed.	401.6	366.7	232.6	112.6	47.1	16.7	5.9	3.0	3.6	12.0	121.2	395.2

Willamette R. at Salem, Or. #14191000
Located in the SE quarter of the SW quarter of sec. 22, town. 7s, and range 3w.

Flows	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
80% Exceed.	24112.1	29443.5	23794.5	21616.8	16271.7	7621.5	4369.7	3255.8	3320.2	4291.1	12845.0	22321.7
50% Exceed.	38500.4	45474.7	33109.9	27975.6	22073.4	10633.5	5421.9	3767.7	3926.9	5878.1	21519.9	39742.1

S. Yamhill R. near Willamina, Or. #14192500
Located in the NE quarter of the SE quarter of sec. 14, town. 6s, and range 7w.

Flows	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
80% Exceed.	784.2	856.4	689.8	373.7	177.3	73.3	31.3	14.8	17.9	59.0	405.8	939.1
50% Exceed.	1493.3	1331.5	1010.0	531.2	255.5	104.0	43.3	23.0	30.4	142.4	869.6	1636.0

Willamina Cr. near Willamina, Or. #14193000
Located in the NE quarter of the NW quarter of sec. 13, town. 5s, and range 7w.

Flows	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
80% Exceed.	321.7	370.1	314.2	182.3	95.0	47.8	25.9	15.9	15.5	26.7	132.8	359.6
50% Exceed.	622.0	584.0	448.4	259.0	128.2	60.7	31.3	19.6	20.5	49.5	283.8	653.8

Mill Cr. near Willamina, Or. #14193300
Located in the NE quarter of the NW quarter of sec. 17, town. 7s, and range 6w.

Flows	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
80% Exceed.	152.3	166.5	148.0	76.3	35.6	16.0	7.8	4.6	4.6	12.2	87.0	194.0
50% Exceed.	318.5	293.0	222.0	116.4	52.5	21.1	9.4	6.1	7.2	27.5	176.9	356.4

S. Yamhill R. near Whiteson, Or. #14194000
Located in the NE quarter of the NW quarter of sec. 5, town. 5s, and range 4w.

Flows	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
80% Exceed.	2253.6	2517.9	1964.3	984.2	448.4	174.8	64.1	27.2	34.6	104.6	775.3	2442.0
50% Exceed.	4592.0	4249.2	2903.0	1484.0	650.1	251.3	92.8	44.6	60.0	257.5	1778.6	4635.5

Buell-Red Prairie 10/24/89

JAKE SZRAMEK	WRD	378-3066
Alice Propes	Owner/Seller	623-9385
*Neoma Reynolds	Sec.	843-2218
John F. KUMLEY	V. Pres.	843-4389
Robert L Hawkins	Pres	623-6590
Donn Miller	WRD	378-8456
Dave Jarrett	WRD	378-8455
T. Paul	WRD	378-8455
Tom Shook	WRD	378-3739

702-969-3260
8S/39E-27
5/3 (14) 5 10 00
Buell
& HFR to Rene
Don Capastran

JAMES BETHELL
President
623-5682

JAMES COMMERFORD
Logging Sup't.
876-3440

BETHELL LOGGING CORPORATION
17950 Highway 22
Sheridan, Oregon 97378

Office 623-5682

Buell-Red Prairie Water

* Principal Contact Person

1/22/86 Conv. w/ Jim Boydston

While You Were Out

To — chlorine may oxidize iron in ground & cause injection well

Date clogging Time

— coliform probably low in recharge water called

of — pathogenic probably low (giardia?)

Phone g w transmission unlikely

- ☐ Telephoned
- ☐ Please call
- ☐ Will call again
- ☐ In person
- ☐ Wants to see you
- ☐ Returned your call

Message 1) NO, HD rules don't apply

2) —

3) chlorination but would kill pathogenics may not be necessary

4) monitor WQ coliform monthly

both in & out { into recharge well

secondary organic } test too { out withdrawal well

Call John Rodasta

Taken by

FORM CS 51619 Recyled Paper

While You Were Out

To Larry

Date 8-1 Time 1:15

Jack Hill called

of Boatright Eng.

Phone 363-9225

- ☒ Telephoned
- ☐ Please call
- ☐ Will call again
- ☐ In person
- ☐ Wants to see you
- ☐ Returned your call

Message

Taken by Cle

FORM CS 51619 Recyled Paper

While You Were Out

To Larry / Fred

Date 6-5 Time 3:30

Martin called

of Boatright Eng.

Phone 363-9225

- [x] Telephoned
- [x] Please call
- [ ] Will call again
- [ ] In person
- [ ] Wants to see you
- [ ] Returned your call

Message Info you requested re: Buell Red Prairie They would like to meet w/ you Fri. 8th morning Lets Talk Larry

Taken by cle.

FORM CS 51619 Recyled Paper

While You Were Out

To Don Miller

Date 4-28 Time 2:07

Jack Hill called

of Boatright A 66101

Phone 363-9225

- [x] Telephoned
- [ ] Please call
- [ ] Will call again
- [ ] In person
- [ ] Wants to see you
- [ ] Returned your call

Message Last letter with approval → please send letter as the was lost in fire

Taken by Michelle

FORM CS 51619 Recyled Paper

Wayne

Larry wants
to talk w/
you about
this appl before
you write conditions
in the permit.

Fred

NUMBER 1069

Check 40— MO _____ Cash _____

X Surface Application

_____ Reservoir Application

_____ Ground Water Application

_____ Transfer Application

_____ Power Claim

_____ Hydroelectric Examination

_____ Hydroelectric License

_____ Copying

_____ Assignment

_____ Extension of Time

_____ Other

_____ P-6

_____ Quadrangle

_____ Basin

_____ Protest

_____ Constructors Examination

_____ Constructors License

_____ Adjudication

per rec
See

9-13-84

Meter below turbidity valve = ✓
Meter reader

Substantiate present decline

Need proposal / test method / to establish actual net recharge, quantity

Discussed w/ Boatwright today
proposal forthcoming ✓

Buell-Red Prairie 10/24/89

JAKE SZRAMEK	WRD	378-3066
Alice Propes	Owner/Seller	623-9385
Neoma Reynolds	Sec.	843-2218
John F. KUMLEY	V. Pres.	843-4389
Robert L Hawkins	Pres	623-6590
Donn Miller	WRD	378-8456
Dave Jarrett	WRD	378-8455
T- Paul	WRD	378-8455
Tom Shook	WRD	378-3739

R11820-11
BUELL-RED PRAIRIE WATER DISTRICT
S-66101

Application # : S-66101 **Transfer #**

Applicant:Buell-Red **RA#**
Prairie Water District R11820-11

Reimbursement Authority Process

Itemized Estimate Sheet

for

Certificates

	Est. Time (hr)	Individual	Est. Cost	Date	Act. Time (hr)
1. Review Claim of Beneficial Use report and map	1.00	Craig	$90	10-24 0.75	11/21 0.25
2. Conflict Check		Craig	$0		
3. Preparation of deficiency letter	1.50	Craig	$135	11/21	0.5hrs 11/18 0.5hrs
4. Preparation of proposed certificates	2.50	Craig	$225	11/21	0.5hrs 12-9 2hrs 1-20 0.5hrs
5a. Peer review		Gerry	$0		
5b. Peer review	0.10	Dwight	$11	1/24	0.1
5c. Peer review	1.50	Jerry G.	$116	12-12	1.25hrs JWG/G.C.
6. Project Management	4.00	Craig	$360	9-8 12-9	0.3hrs 12/28 0.3hrs - 1/6 0.2hrs 1/30 0.5hr 1.7hrs/12-9 0.5hrs 1/4 0.2hrs - 1/24 0.4hrs
7a. Water right data record update	0.20	Connie	$11		
7b. Water right data record update	1.00	Data Tech	$60	1/24	.66
8. Pump test (if applicable)		Mike Z	$0		
Total	**11.80**		**$1,008**		
			1010		

$90.00
$135.00
$225.00
$11.00
97.50
$369.00
4.1 - 3.6hrs $11.00
39.60
<$978.10>

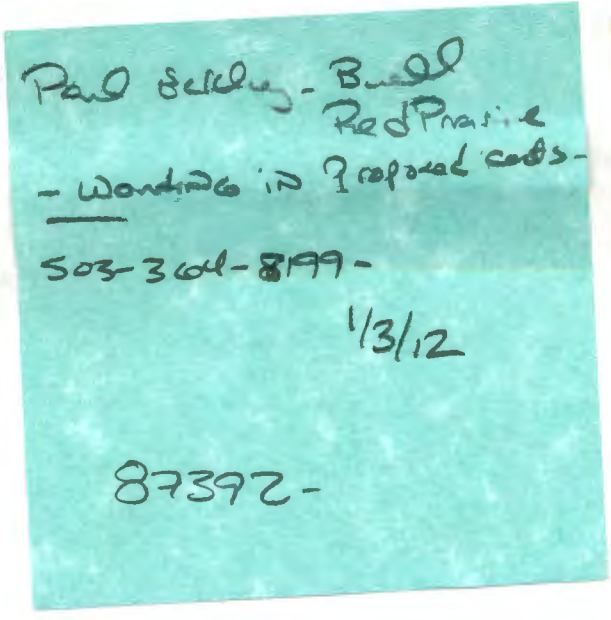
$36.90 Revision 6
RCK 1-30-12

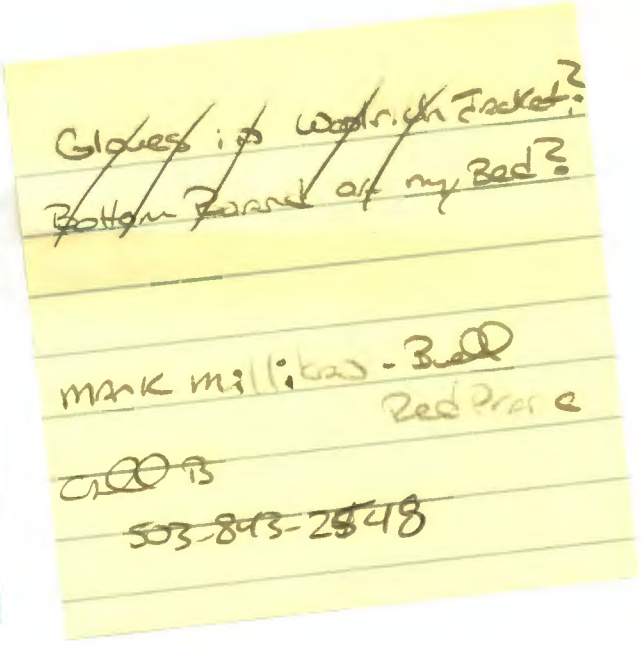
ap is deficient and needs to be resubmitted w/Meter required @ POD and POU. POD meter is not identified on COBU map nor document. May need extension of time; like previous extension that was granted till 10/1/1999. Check SWL's as required by permit in Filemaker.

Craig Kohanek

From: Buell Red Prairie Water District <brpwater@hughes.net>
Sent: Tuesday, January 17, 2012 12:25 PM
To: ron.c.kohanek@state.or.us
Cc: 'Mark Millikan'; 'Julien Verheyden'; 'Paul Eckley'
Subject: R11820-11 Buell Red Prairie Water District's comments to proposed certificate

The change in the upper level is ok with us.
Thanks
Mark Millikan
Board President/Buell Red Prairie Water District





Craig Kohanek

From: Craig Kohanek
Sent: Tuesday, January 10, 2012 3:37 PM
To: 'eckleyengineering87'
Subject: RE: Proposed certificate for R11820-11 for Buell Red Prairie Water District; application S-66101

Paul,

Regarding the Districts two comments about the proposed certificate;

- Condition #5 - The Department proposes the target levels (in feet below land surface) for the key wells to be amended to:

Well name	upper	lower
Buell-Red Prairie #1	55	125
Recharge Well	15	50

- The Department proposes that the District install a measuring tube on the recharge well to make e-tape measurements easier. Airline measurements are less accurate than e-tape measurements and need to be confirmed by an e-tape measurement and calibrated on a regular basis. Typically the Department only allows and uses airline measurements for wells with static water levels that are 300'(e.g. OAR 690-217-0045 (1)(c) or more below land surface. The Department does not believe it has the authority to reduce this condition obligation.

R. Craig Kohanek
Water Rights Specialist
Reimbursement Authority
Oregon Water Resources Department
Phone: 503-986-0823
Fax: 503-986-0901
Ron.c.kohanek@wrd.state.or.us

From: eckleyengineering87 [mailto:eckleyengineering@comcast.net]
Sent: Wednesday, December 21, 2011 8:14 PM
To: 'Craig Kohanek'
Subject: RE: Proposed certificate for R11820-11 for Buell Red Prairie Water District; application S-66101

Craig: The District has two comments on the proposed certificate:

- Condition #5 – Target water levels for the Buell Red Prairie Well #1. The proposed certificate uses the same upper number as the permit, 25 feet. Mark Millikan tells me the upper number has never got above 50 to 55 feet and they would like to change the 25 feet to a more realistic number.
- The recharge well has a pressure gage that can be used to measure the water level, but is very difficult. Would the District be allowed to rely mostly on Well #1 measurements for meeting the green, yellow and red zone requirements?

Paul Eckley

From: Craig Kohanek [mailto:ron.c.kohanek@state.or.us]
Sent: Monday, December 12, 2011 2:54 PM
To: eckleyengineering87 (eckleyengineering@comcast.net)
Subject: Proposed certificate for R11820-11 for Buell Red Prairie Water District; application S-66101

Paul,

Here is the proposed certificate for Buell Red Prairie Water District; application S-66101. Please review it with your client for accuracy and completeness. Provide me any edits that you have. If you and your client agree with the certificate, then send me an email saying so and I will continue the certificate processing.

R. Craig Kohanek
Water Rights Specialist
Reimbursement Authority
Oregon Water Resources Department
Phone: 503-986-0823
Fax: 503-986-0901
Ron.c.kohanek@wrd.state.or.us

Craig Kohanek

From: Craig Kohanek
Sent: Friday, January 06, 2012 11:10 AM
To: eckleyengineering87 (eckleyengineering@comcast.net)
Subject: Buell Red Prairie Water District (District)certificate for application S-66101

Paul,

Wanted to let you know that it will be a few more days, a couple of the folks who I need discuss this with have been out of the office or unavailable, before I can respond to the District's two comments on the proposed certificate for application S-66101.

Have a good weekend.

R. Craig Kohanek
Water Rights Specialist
Reimbursement Authority
Oregon Water Resources Department
Phone: 503-986-0823
Fax: 503-986-0901
Ron.c.kohanek@wrd.state.or.us

Answer to Condition #5

Yes - 55 BLS is supported By I Woody memo -
See #4 -

Answer to Second Request

Is NO - recharge well must be measured.
See #5 -

See #6 -

Oregon Water Resources Department
725 Summer St NE, Suite A
Salem, OR 97301

MEMORANDUM

To: File S-66101, Buell-Red Prairie AR Permit DATE: 12/30/2011
From: Jen Woody, Hydrogeologist
SUBJECT: Buell-Red Prairie AR certification for App #S-66101, Permit 51165

In response to the pending Certification of Buell-Red Prairie's AR Permit, I have reviewed the permit conditions and the annual reports on file with the Department. I offer the following comments.

1. Water level monitoring is thin. In an average year, 2 out of 5 of the monitoring wells required by the permit are measured. Three of these wells are owned by the district and should be measured. Measurements are to be collected between April 1 and June 1. More often than not they are collected in mid- June. Water levels are lower than the green zone in recent years (see attached graphs). If measurements occurred in April or May, water levels would be higher, but it's unknown if they would fall into the designated green zones. However, given the information we have, it appears the annual water levels have roughly reached a new equilibrium that is below pre-development, but remains relatively stable at current use and recharge.

2. Reports from 2005 to 2009 are missing.

3. There is not a clear notation in the file regarding how the green, yellow and red zones were defined. However, green zones correspond with water levels reported on the well logs at the time of drilling. This is logical, because water levels at the time of drilling would approximate pre-development conditions, assuming they were accurate measurements. The recharge well was a flowing well before use began and for about a decade after drilling according to annual reports, but it has not recovered flowing artesian pressure since 1995. Water levels measured at the expected annual high that are at or above predevelopment levels would demonstrate stored water is available to the wells. I imagine at the time of permit issuance, the thinking was to test it out and adjust as needed.

4. The applicant requested an adjustment to the green zone definition for well # 1 (see 12/21/2011 email from Paul Eckley, CWRE). Stronger monitoring and reporting would make this an easier call. But, the green zone measurement being based on the well log places a lot of weight on a questionable measurement. I'm supportive of bringing well #1 upper target level to 55 feet BLS and the recharge well's upper target level to 15 feet BLS, based on reported annual measurements. This provides access to the full storage account in some years. **If we change the zones in the recharge certificate, do we also need to do it in the recovery permit?** These authorizations come in pairs.

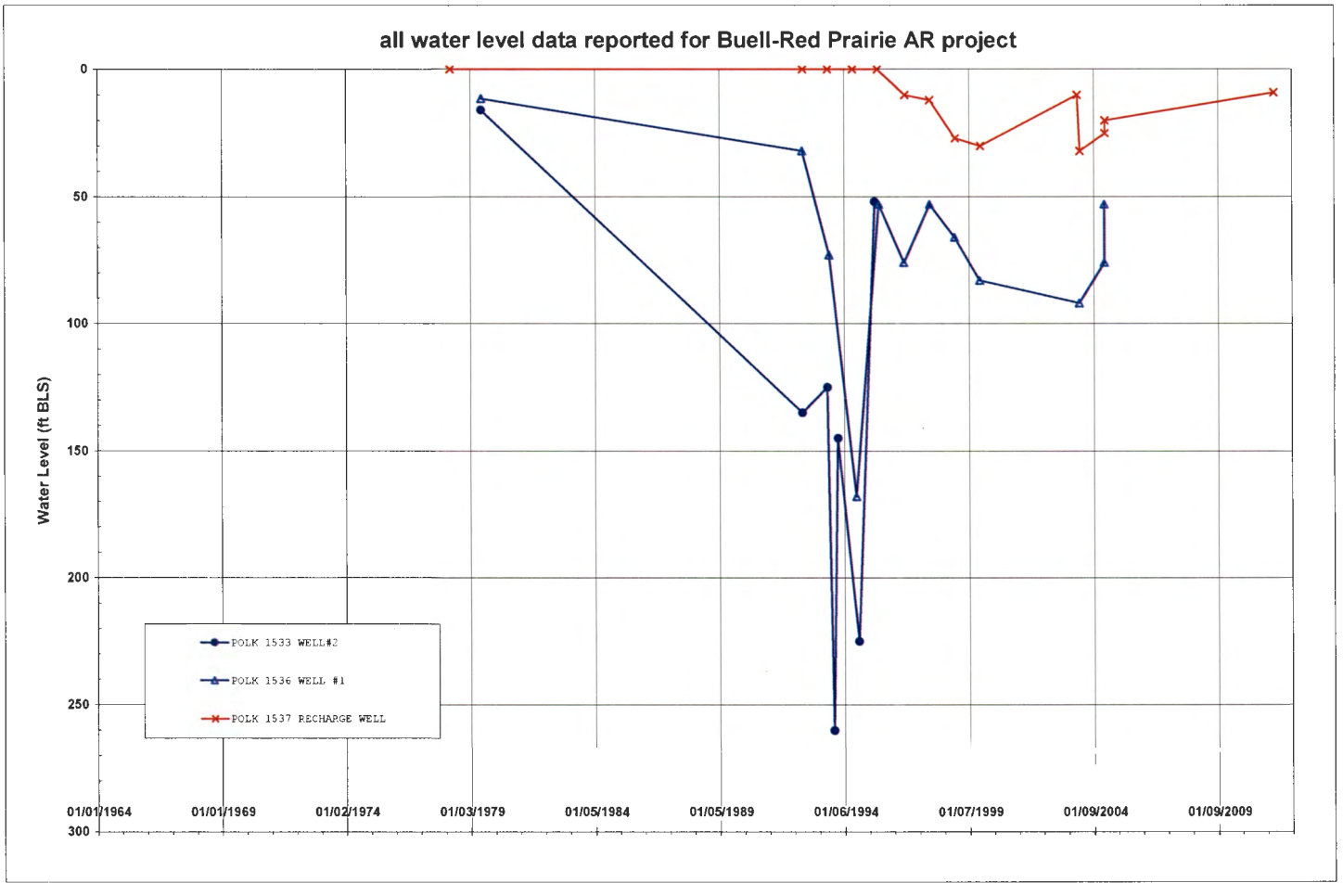
5. The applicant also requested to rely on Well #1 water levels to determine the availability of stored water, because the recharge well is difficult to measure. If the recharge well is hard to measure, what exactly is the issue? Is there an access port? Is the pressure gage on a faulty airline? Does a manual probe get hung up? How about installing a measuring tube and being done with it? Does the well's artesian

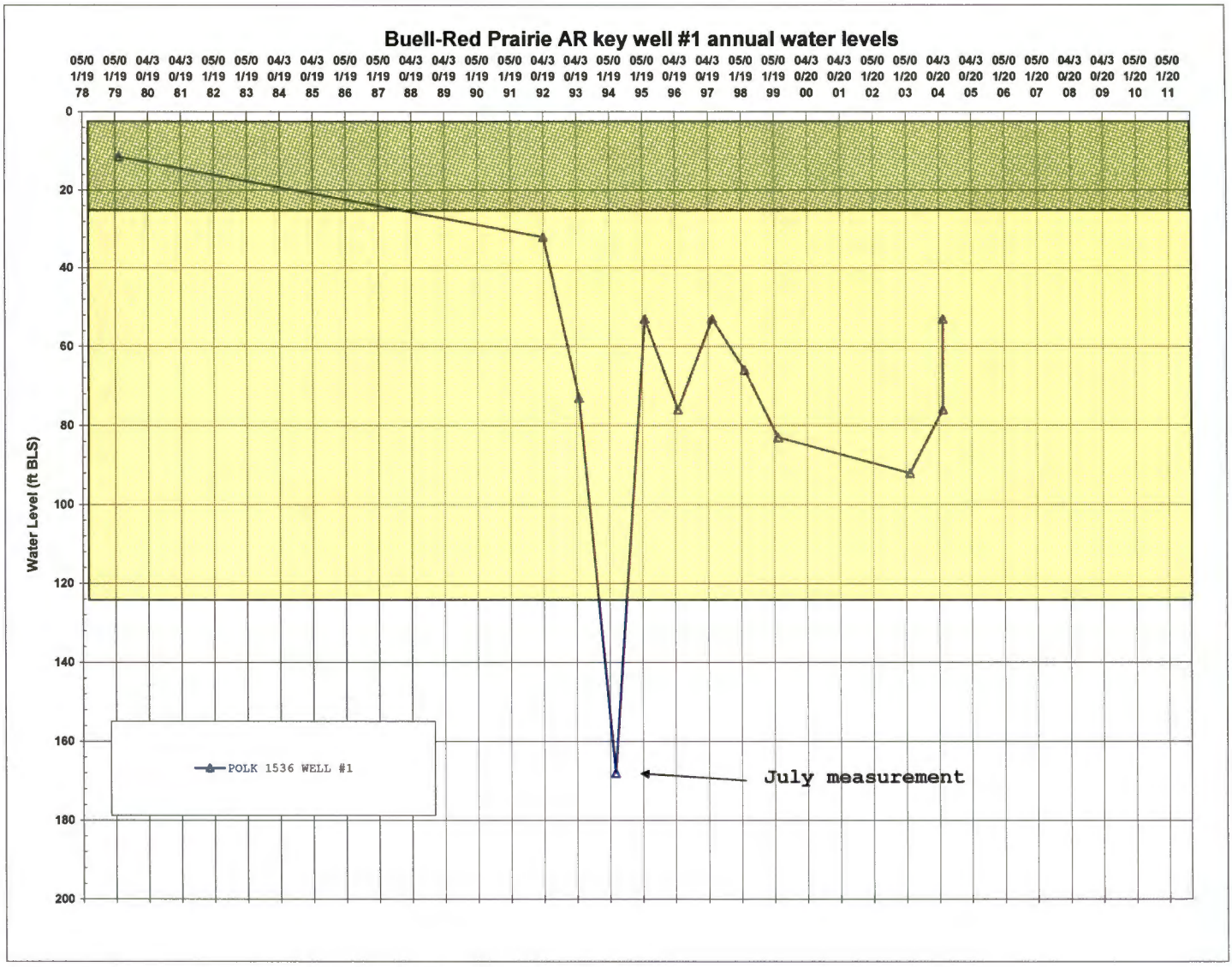
pressure get about land surface ever anymore? I'd ask for more information and/or propose a site visit to help come up with a solution. Perhaps replacing the recharge well with well #2 would make sense, if there were historical data at that well to demonstrate it is reasonable. However, we have very little data on file for Well #2. In my opinion, the permit stage of the project is the time to test out such matters, and collect information to support such changes. Again, monitoring and reporting fall short.

6. For these reasons, I recommend the following of actions. First, adjust the target levels (in feet below land surface) for the key wells to:

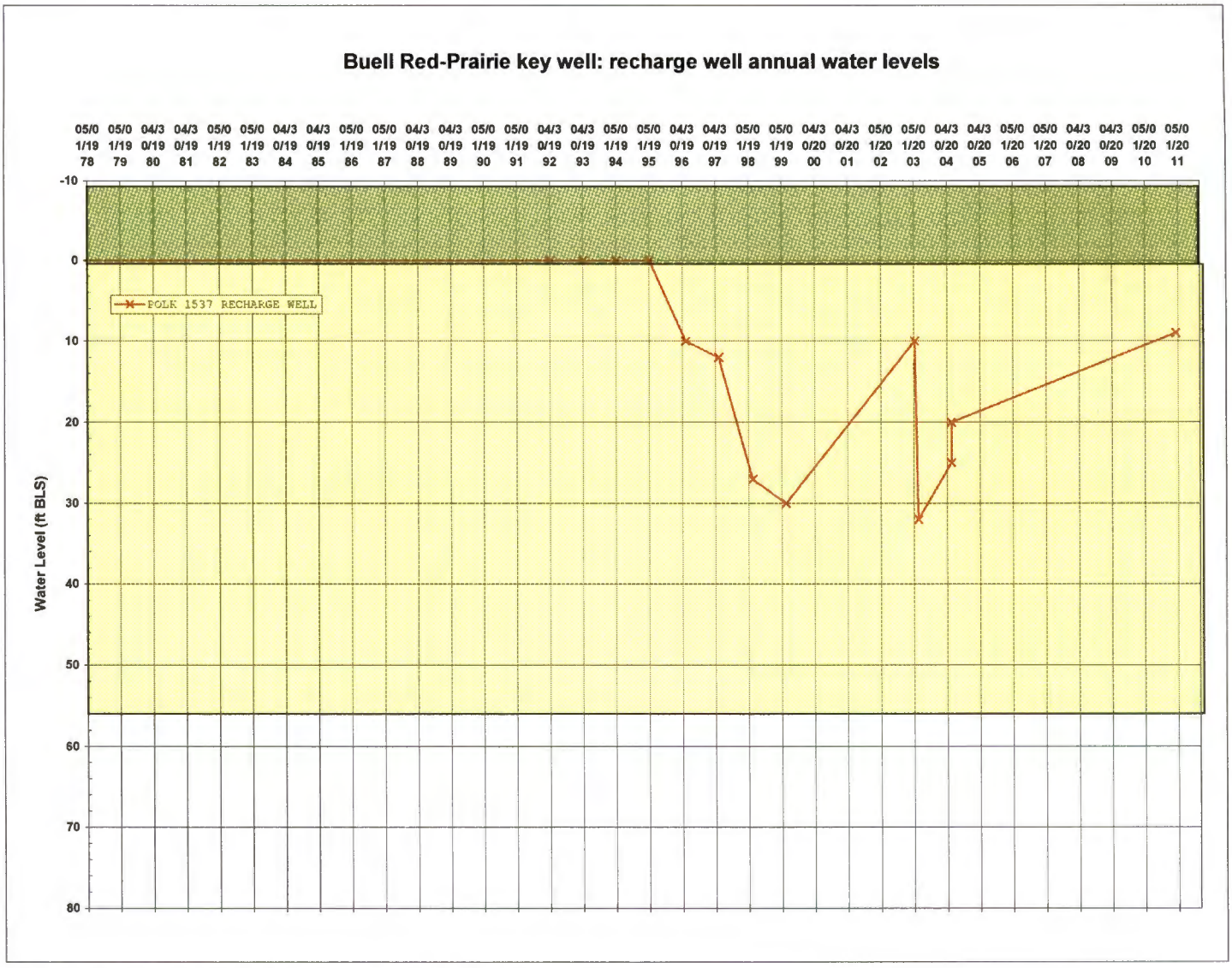
Well name	upper	lower
Buell-Red Prairie #1	55	125
Recharge Well	15	50

Second, request more information about the measurement problems at the recharge well. See #5.
Third, address the ramifications of changing the zone definitions in this certificate but not in the recovery permit G-13521 (app G 12608).
Fourth, request the missing annual reports be submitted ASAP.





Green and yellow zones as currently defined in the permit.



Green and yellow zones are currently defined in the permit.

Craig Kohanek

From: eckleyengineering87 <eckleyengineering@comcast.net>
Sent: Wednesday, December 21, 2011 8:14 PM
To: 'Craig Kohanek'
Subject: RE: Proposed certificate for R11820-11 for Buell Red Prairie Water District; application S-66101

Craig: The District has two comments on the proposed certificate:

- Condition #5 – Target water levels for the Buell Red Prairie Well #1. The proposed certificate uses the same upper number as the permit, 25 feet. Mark Millikan tells me the upper number has never got above 50 to 55 feet and they would like to change the 25 feet to a more realistic number.
- The recharge well has a pressure gage that can be used to measure the water level, but is very difficult. Would the District be allowed to rely mostly on Well #1 measurements for meeting the green, yellow and red zone requirements?

Paul Eckley

From: Craig Kohanek [mailto:ron.c.kohanek@state.or.us]
Sent: Monday, December 12, 2011 2:54 PM
To: eckleyengineering87 (eckleyengineering@comcast.net)
Subject: Proposed certificate for R11820-11 for Buell Red Prairie Water District; application S-66101

Paul,

Here is the proposed certificate for Buell Red Prairie Water District; application S-66101. Please review it with your client for accuracy and completeness. Provide me any edits that you have. If you and your client agree with the certificate, then send me an email saying so and I will continue the certificate processing.

R. Craig Kohanek
Water Rights Specialist
Reimbursement Authority
Oregon Water Resources Department
Phone: 503-986-0823
Fax: 503-986-0901
Ron.c.kohanek@wrd.state.or.us

Craig Kohanek

From: Craig Kohanek
Sent: Wednesday, January 04, 2012 10:50 AM
To: eckleyengineering87 (eckleyengineering@comcast.net)
Subject: R11820-11 Buell Red Prairie Water District's comments to proposed certificate

Paul,

I received you phone message yesterday asking about the status of R11820-11 for application S-66101 for the Buell Red Prairie Water District. As luck would have it, yesterday afternoon was also when I received a memorandum from Jen Woody in our Groundwater Section about the District's comments. I had asked her to look into what the District had provided/requested, and now need to review her document. I will respond back to you in a day or two.

Happy New Year!

R. Craig Kohanek
Water Rights Specialist
Reimbursement Authority
Oregon Water Resources Department
Phone: 503-986-0823
Fax: 503-986-0901
Ron.c.kohanek@wrd.state.or.us

Craig Kohanek

From: Craig Kohanek
Sent: Wednesday, December 28, 2011 9:04 AM
To: Jen Woody
Subject: FW: Proposed certificate for R11820-11 for Buell Red Prairie Water District; application S-66101

Jen,

When I gave you the email below and the file for Buell Red Prairie Water District, I told you there was no rush. However, I should qualify that statement. The basis of the Reimbursement Authority Program is to expedite extensions, certificates, and transfers as compared to the traditional process. Without wasting any more of your time, a response in the next week would be appreciated.

R. Craig Kohanek
Water Rights Specialist
Reimbursement Authority
Oregon Water Resources Department
Phone: 503-986-0823
Fax: 503-986-0901
Ron.c.kohanek@wrd.state.or.us

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Sent: Monday, December 12, 2011 2:54 PM
To: eckleyengineering87 (eckleyengineering@comcast.net)
Subject: Proposed certificate for R11820-11 for Buell Red Prairie Water District; application S-66101
Attachments: 66101-or-prop.pdf

Paul,

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Ron.c.kohanek@wrd.state.or.us

STATE OF OREGON

COUNTY OF POLK

CERTIFICATE OF WATER RIGHT

THIS CERTIFICATE ISSUED TO

BUELL RED PRAIRIE WATER DISTRICT
PO BOX 367
SHERIDAN OR 97378

confirms the right to use the waters of GOOSENECK CREEK for GROUND WATER RECHARGE.

This right was perfected under Permit 51165. The date of priority is JUNE 8, 1984. The use is limited to the period October 1 through May 31, not more than 75.0 GALLONS PER MINUTE, and not to exceed 61.0 ACRE-FEET each recharge period/year, measured at the point of diversion.

The point of diversion is located as follows:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
6 S	7 W	WM	35	SE SW	NORTH 39 DEGREES, 14 MINUTES WEST, 800 FEET FROM S1/4 CORNER, SECTION 35

The water user shall appropriate water from Gooseneck Creek only when the following instream flows in cubic feet per second are maintained at the mouth of Gooseneck Creek:

OCTOBER	NOVEMBER THROUGH MAY
1.0	10.0

The water user shall maintain an in-line flow meter, weir or other suitable measuring device, of type and at the location approved by the watermaster, for measuring or recording the above instream flows.

The place of use is the recharge well that is located as follows:

Twp	Rng	Mer	Sec	Q-Q
6 S	7 W	WM	35	SW SE

This right is also subject to the following conditions:

1. Meters: The water user shall meter the water withdrawn at the diversion and the water injected into the recharge well shall be metered.

NOTICE OF RIGHT TO PETITION FOR RECONSIDERATION OR JUDICIAL REVIEW

This is an order in other than a contested case. This order is subject to judicial review under ORS 183.484 and ORS 536.075. Any petition for judicial review must be filed within the 60-day time period specified by ORS 183.484(2). Pursuant to ORS 183.484, ORS 536.075 and OAR 137-004-0080, you may petition for judicial review and 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. In addition, under ORS 537.260 any person with an application, permit or water right certificate subsequent in priority may jointly or severally contest the issuance of the certificate within three months after issuance of the certificate.

2. Records, inspections: The water user shall keep accurate and current records of daily metered values, water levels and other operational information. The Water Resources Director (Director) may inspect the records and works cover by this right upon one day notice and at any reasonable time.

3. Estimated data: When data are missing in whole or in part, the Director may make estimates from available data. Those estimates shall be reasonable and, where range of uncertainty exists, conservatively low on water delivered to the place of recharge.

4. Water level monitoring: Once each year between April 1 and June 1, the water user shall measure and record the depth to water below land surface in each of the following wells to 1 foot accuracy. Prior to the determinations, recharge and pumping shall be suspended by the water user for at least seven days. Two of the wells are not controlled by the district identified as the certificate holder; however the water user shall attempt to cooperate with the other owners to obtain these measurements.

Well Location	Common Name	Remarks
T6S/R7W-35db	Buell-Red Prairie #1	
T6S/R7W-35da	Buell-Red Prairie #2	
T6S/R7W-35dc	Recharge Well	
T6S/R7W-35ca	Mike Propes Well	Not Controlled by District
T6S/R7W-35db	Villager Well	Not Controlled by District

5. Target water levels in key wells: This right designates two existing wells as key wells in the water level monitoring program. As determined between April 1 and June 1 of each year, actual water levels at these wells shall be compared to the target levels to determine allowable use as indicated under the allowable use of stored water condition. Key wells and associated target levels are:

Target Levels
(feet below Land Surface Datum)

Well Location	Common Name	Upper	Lower
T6S/R7W-35db	Buell-Red Prairie #1	25	125
T6S/R7W-35dc	Recharge Well	0	50

6. Storage account for the determination of stored recharge water: The Water Resources Department (WRD) shall make final determinations on stored groundwater. This shall occur through a storage account which covers this right. The storage account shall be based on recharge and secondary rights withdrawls over only the preceding five recharge years. For this right, the recharge year is the period from June 1 through May 31 of each year. It shall be credited at 80% of water metered to the place of recharge. Withdrawls of stored water shall be debited at 100% of metered values at wells covered by secondary right(s). The debit applies to that portion of withdrawls which are in excess of the water user's natural water pumpage of 5 million gallons annually under right G-8748. The water user may obtain information on the storage account from the WRD by submitting a written request.

7. Allowable use of stored recharge water: The availability of recharge water stored under this right is based on the priority of secondary groundwater rights and the allowable use of stored recharge water. The allowable use of stored recharge water during any water year falls into 3 categories. For ease of reference, these categories are named as color zones.

   (A) Green zone: If recent water levels as determined between April 1 and June 1 at the two (2) key wells are above the upper target levels, use is allowed up to the maximum of the storage account.

   (B) Yellow zone: If neither the Green zone nor Red zone water levels prevail, use is allowed up to 80 percent of the recharge volume for the preceding 12 months.

(C) Red zone: If recent water levels as determined between April 1 and June 1 at two (2) key wells are below the lower target levels, no use of recharged water is allowed the following recharge year.

8. A potential operator, other than the District, shall prove, to the Director's satisfaction, the financial capability to operate the project authorized by the right.

9. Mitigating unforeseen effects:

(A) If, under actual operation of the recharge project, the Director notifies the water user that the Director has reason to believe there are adverse groundwater quantity or quality effects, the water user shall cease recharge activities. No further diversion shall be made until measures to prevent, correct, or monitor the adverse effects have been agreed to and implemented.

(B) If, in the judgment of the Director, project performance or other hydrologic circumstances indicate that provision(s) in this right are an unnecessary hardship, or are either inappropriate or inadequate to monitor or manage the quantity or protect the quality of the groundwater resource, the Director may modify target water levels, key wells, the storage account credit factor, the storage account, or any other term of this right as necessary to remedy the deficiencies.

10. Technical oversight: The operation of the recharge project shall be overseen by a professional registered civil engineer(s) licensed to practice in Oregon.

11. Other state or federal agency requirements:

The following conditions are notices of requirements of other Oregon state agencies. The water user shall correspond directly with each agency regarding monitoring, reporting and any other requirements. Reports shall only be submitted to the requiring agency, unless otherwise specified herein.

The WRD will enforce these conditions in a manner similar to other conditions in this right but only upon notice of noncompliance and request for enforcement from the responsible agencies.

Conditions 11(A) and (B) shall remain in effect unless and until WRD receives a written agreement signed by the water user and responsible agencies to modify the conditions.

(A) The water user shall comply with the requirements of the Oregon State Health Division.

(B) The water user shall provide appropriate groundwater quality protection as specified by the Oregon Department of Environmental Quality (DEQ). The DEQ monitoring and sampling plan for this project was submitted to the WRD by letter of January 18, 1991, and is, by reference, included as part of this right.

12. Annual and other reports:

(A) The water user shall submit an annual report to the WRD and any secondary water user by June 15 of each year. That report shall include the range of diversion and recharge rates and total quantities diverted and recharged during the prior recharge year (ending May 31) as metered under conditions 1, 2, and 3. In addition, the report shall include the water level data from condition 4, the water users estimate of the storage account under condition 6, a brief narrative describing operational factors related to the recharge project and conditions 8, 9, 10 and a list of the dates of any reports submitted to other agencies under condition 11.

(B) The water user shall submit, as scheduled, any reports required by other agencies as specified under Condition 11.

This right is for the beneficial use of water without waste.

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

The wells shall be maintained 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 to determine the water level elevation in the wells at all times.

Issued _____.

_____
Dwight W. French
Water Right Services Administrator, for
Phillip C. Ward, Director
Water Resources Department

PROPOSED

Mailing List for Certificate

Scheduled Mailing Date:

Application: S-66101

Right: Permit 51165

Certificate: ******

Right/Certificate Holder:

BUELL RED PRAIRIE WATER DISTRICT
PO BOX 367
SHERIDAN OR 97378

Copies Mailed

by: _____ (STAFF)

on: _____ (DATE)

Copies of Final Certificate to be sent to:

1. Watermaster District 16, Mike L. McCord
2. Data Center (include copy of map)
3. Water Availability
4. Vault
5. File

Other persons to receive copies: (include map):

1. Paul L. Eckley, CWRE

PROPOSED

WORK COPY

Craig Kohanek

From: eckleyengineering87 <eckleyengineering@comcast.net>
Sent: Thursday, December 01, 2011 8:42 AM
To: 'Craig Kohanek'
Subject: RE: RA Certificate Estimate for Buell Red Prairie Water District R11820-11 involving application S-66101

Craig: I need help from you on this question.

I asked Mark Lyon for more information on how water gets from Goose Creek Reservoir, through their water treatment plant, and then to the recharge injection well.

Mark gave me the following answer:

"Paul
The water flows by gravity into the old recharge well from Tank #1. We use flow controllers to limit the flow to either 20gpm or 40gpm.
When well #1 is set up for ASR it will also flow by gravity from Tank #1. We don't know how it will be controlled or what the flow rate will be but the system pressure there is about 65#.
Mark Lyon
Buell Red Prairie Water District"

This means the water from Goose Creek Reservoir flows through the District's water treatment plant first, and then by gravity to their storage Tank #1. From Tank #1, the water is under pressure (Mark's reference to 65 psi) to the injection well. I thought this section of the COBU form was to show how the District measures the quantity of water being injected into the recharge well (the place of use). The well has a water meter which measures the quantity of water being injected into the well.

What additional information do you need?

Paul Eckley

From: Craig Kohanek [mailto:ron.c.kohanek@state.or.us]
Sent: Friday, November 18, 2011 11:10 AM
To: eckleyengineering87
Subject: RE: RA Certificate Estimate for Buell Red Prairie Water District R11820-11 involving application S-66101

Paul,

I got you voicemail and am responding by emailing as I am leaving at 11am today.

I've looked over the Claim of Beneficial Use/Map and it appears to be satisfactory with the exception of your not having provide a calculation for the diversion of flow from Gooseneck Creek to the injection well. As is stated on the COBU Form, "The Department typical uses the Hazen-William's formula for a gravity flow pipe system." I also need to check with Jen Woody, in the department's Ground Water Section, to see if the water level measurements that are required by the permit have been submitted. Otherwise things look good. I will get back to you on Monday afternoon with what I have found out.

R. Craig Kohanek
Water Rights Specialist
Reimbursement Authority

Oregon Water Resources Department
Phone: 503-986-0823
Fax: 503-986-0901
Ron.c.kohanek@wrd.state.or.us

From: eckleyengineering87 [mailto:eckleyengineering@comcast.net]
Sent: Saturday, October 22, 2011 10:13 AM
To: Craig Kohanek
Cc: brpwater@hughes.net
Subject: RE: RA Certificate Estimate for Buell Red Prairie Water District R11820-11 involving application S-66101

Hi Craig: Just wanted to check in with you and see how things are going with the COBU?

Paul Eckley

From: Craig Kohanek [mailto:kohanerc@wrd.state.or.us]
Sent: Thursday, September 08, 2011 2:02 PM
To: eckleyengineering87
Cc: brpwater@hughes.net
Subject: RE: RA Certificate Estimate for Buell Red Prairie Water District R11820-11 involving application S-66101

Paul,

Contract wise, everything's a go.

Next, I need to thoroughly review the Claim of Beneficial Use (COBU) and the COBU map to ensure all the information that's required to be in these documents is there. Thereafter, if deficiencies exist in these documents I will send you an email identifying them and instructing you on how to fix them. If there are no issues, I will proceed with the processing of the certificate within the provisions of the contract.

R. Craig Kohanek
Water Rights Specialist
Reimbursement Authority
Oregon Water Resources Department
Phone: 503-986-0823
Fax: 503-986-0901
Ron.c.kohanek@wrd.state.or.us

From: eckleyengineering87 [mailto:eckleyengineering@comcast.net]
Sent: Wednesday, September 07, 2011 9:51 PM
To: Craig Kohanek
Cc: brpwater@hughes.net
Subject: RE: RA Certificate Estimate for Buell Red Prairie Water District R11820-11 involving application S-66101

Craig; The Agreement is signed by Mark and you. Does anything else need to be done at this time?

Paul Eckley

From: Craig Kohanek [mailto:kohanerc@wrd.state.or.us]
Sent: Wednesday, September 07, 2011 7:49 AM
To: brpwater@hughes.net
Cc: eckleyengineering@comcast.net
Subject: RA Certificate Estimate for Buell Red Prairie Water District R11820-11 involving application S-66101

Mark & Paul,

Please find the attached estimate and agreement to process your application. If the proposed agreement is acceptable to you, please return a signed copy to our office along with the payment of the estimated cost to process the application.

Please let me know if you'd like me to mail you a receipt for the monies paid for this contract, or will your returned check suffice?

If you have any questions, please call me.

R. Craig Kohanek
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Sent: Thursday, September 08, 2011 2:02 PM
To: eckleyengineering87
Cc: brpwat
Subject: R ater District R11820-11 involving application S-66101

- Inadequate map -
- Why it's insufficient?

Paul,

Contract wis

Next, I nee (COBU) and the COBU map to ensure all the informa re. Thereafter, if deficiencies exist in these documents cting you on how to fix them. If there are no issues, I wil in the provisions of the contract.

- Need to Identify
- What's needed & what's been provided -
- Deficiency: map -

R. Craig K
Water Righ
Reimburser
Oregon Wa
Phone: 503-
Fax: 503-98
Ron.c.kohan

From: eckley st.net]
Sent: Wednes
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Please let me know if you'd like me to mail you a receipt for the monies paid for this contract, or will your returned check suffice?

If you have any questions, please call me.

R. Craig Kohanek
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Reimbursement Authority
Oregon Water Resources Department
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Fax: 503-986-0901
Ron.c.kohanek@wrd.state.or.us

Disclaimer: As I read through emails and the file there are several items you have already addressed such as map bearing deficiencies and lack of calculations etc. My observations may not include your previous findings and there may be additional deficiencies not addressed below.

There seems to be 3 wells in play for this right: Buell-Red Prairie #1, Buell-Red Prairie #2, and Recharge well. There may not be an original well log associated with the recharge well which is not relevant per se. The alteration log submitted with the COBU describes a well depth of 80 feet.

- Condition (4) requires water level monitoring in 5 wells including 2 not owned by the district. COBU does not mention this condition or if they have made measurements in the other wells. Condition (5) identifies Buell-Red Prairie #1 and Recharge well as being "key wells" with identified target levels. These levels are then used to dictate allowable use.

- Condition (10) required technical oversight from a PE. COBU does not mention this. Did a licensed professional registered civil engineer oversee the construction and operation of the recharge project? Who? Did the CWRE (Eckley, a PE) oversee the initial construction or become involved later?

- Condition (1) requires metering on both the diversion and the injection well. The COBU and map indicate a meter on the well but do not mention metering on the reservoir.

- Condition (13) requires the applicant to submit an annual report for the recharge project. This report shall include: [1] the range of diversion and recharge rates ... erted and recharged in the previous recharge year as ... onditions; [2] Water level data from condition (4); [3] the ... the storage account under condition (6); [4] A brief ... erational factors related to the recharge project and ... well as list of the dates of any reports submitted to other

Reply to Paul Eckley –
About the MAP –
this right is coupled
w/ S-66101.
2 withdrawl wells
associated w/ Aquifer
Recharge –

... nual recharge report (not sure if there are others and ... xample to demonstrate proof). **Note that no water ... the report lacked a narrative describing ... ed.**

... several missing elements needed to demonstrate ... nd conditions of the permit. The annual water ... dictate the amount of water they are allowed to ... predetermined swls on the "key wells" is not mentioned in the COBU. Also the required annual report may not have included all of the elements required in the permit. Next step would be to determine if GW has the required metering, 5 well swl reporting, and recharge reports. If not maybe we should request more documentation from the permit holder.

Craig Kohanek

From: Craig Kohanek
Sent: Monday, November 21, 2011 1:55 PM
To: eckleyengineering87 (eckleyengineering@comcast.net)
Subject: Map for R11820-11 Buell Red Prairie Water District
Attachments: Map for Buell Red Prairie Water District.pdf

Paul,

Having more carefully reviewed the map, and compared it with the permit, it appears that the bearings you provided are inaccurate. I have attached a copy of your map with the differences I found highlighted in red. I do apologize for not having caught this earlier but it wasn't until I looked at the permit that it became evident.

R. Craig Kohanek
Water Rights Specialist
Reimbursement Authority
Oregon Water Resources Department
Phone: 503-986-0823
Fax: 503-986-0901
Ron.c.kohanek@wrd.state.or.us

— Buell Red Prairie —
Water use report_Id
32340

USER-ID - 1004

Buell-Red Prairie
Rpt
wateruse id: 33255

USER-ID: 29009

Craig Kohanek

From: eckleyengineering87 <eckleyengineering@comcast.net>
Sent: Thursday, December 01, 2011 8:42 AM
To: 'Craig Kohanek'
Subject: RE: RA Certificate Estimate for Buell Red Prairie Water District R11820-11 involving application S-66101

Craig: I need help from you on this question.

I asked Mark Lyon for more information on how water gets from Goose Creek Reservoir, through their water treatment plant, and then to the recharge injection well.

Mark gave me the following answer:

"Paul
The water flows by gravity into the old recharge well from Tank #1. We use flow controllers to limit the flow to either 20gpm or 40gpm.
When well #1 is set up for ASR it will also flow by gravity from Tank #1. We don't know how it will be controlled or what the flow rate will be but the system pressure there is about 65#.
Mark Lyon
Buell Red Prairie Water District"

This means the water from Goose Creek Reservoir flows through the District's water treatment plant first, and then by gravity to their storage Tank #1. From Tank #1, the water is under pressure (Mark's reference to 65 psi) to the injection well. I thought this section of the COBU form was to show how the District measures the quantity of water being injected into the recharge well (the place of use). The well has a water meter which measures the quantity of water being injected into the well.

What additional information do you need?

Paul Eckley

From: Craig Kohanek [mailto:ron.c.kohanek@state.or.us]
Sent: Friday, November 18, 2011 11:10 AM
To: eckleyengineering87
Subject: RE: RA Certificate Estimate for Buell Red Prairie Water District R11820-11 involving application S-66101

Paul,

I got you voicemail and am responding by emailing as I am leaving at 11am today.

I've looked over the Claim of Beneficial Use/Map and it appears to be satisfactory with the exception of your not having provide a calculation for the diversion of flow from Gooseneck Creek to the injection well. As is stated on the COBU Form, "The Department typical uses the Hazen-William's formula for a gravity flow pipe system." I also need to check with Jen Woody, in the department's Ground Water Section, to see if the water level measurements that are required by the permit have been submitted. Otherwise things look good. I will get back to you on Monday afternoon with what I have found out.

R. Craig Kohanek
Water Rights Specialist
Reimbursement Authority

Oregon Water Resources Department
Phone: 503-986-0823
Fax: 503-986-0901
Ron.c.kohanek@wrd.state.or.us

From: eckleyengineering87 [mailto:eckleyengineering@comcast.net]
Sent: Saturday, October 22, 2011 10:13 AM
To: Craig Kohanek
Cc: brpwater@hughes.net
Subject: RE: RA Certificate Estimate for Buell Red Prairie Water District R11820-11 involving application S-66101

Hi Craig: Just wanted to check in with you and see how things are going with the COBU?

Paul Eckley

From: Craig Kohanek [mailto:kohanerc@wrd.state.or.us]
Sent: Thursday, September 08, 2011 2:02 PM
To: eckleyengineering87
Cc: brpwater@hughes.net
Subject: RE: RA Certificate Estimate for Buell Red Prairie Water District R11820-11 involving application S-66101

Paul,

Contract wise, everything's a go.

Next, I need to thoroughly review the Claim of Beneficial Use (COBU) and the COBU map to ensure all the information that's required to be in these documents is there. Thereafter, if deficiencies exist in these documents I will send you an email identifying them and instructing you on how to fix them. If there are no issues, I will proceed with the processing of the certificate within the provisions of the contract.

R. Craig Kohanek
Water Rights Specialist
Reimbursement Authority
Oregon Water Resources Department
Phone: 503-986-0823
Fax: 503-986-0901
Ron.c.kohanek@wrd.state.or.us

From: eckleyengineering87 [mailto:eckleyengineering@comcast.net]
Sent: Wednesday, September 07, 2011 9:51 PM
To: Craig Kohanek
Cc: brpwater@hughes.net
Subject: RE: RA Certificate Estimate for Buell Red Prairie Water District R11820-11 involving application S-66101

Craig; The Agreement is signed by Mark and you. Does anything else need to be done at this time?

Paul Eckley

From: Craig Kohanek [mailto:kohanerc@wrd.state.or.us]
Sent: Wednesday, September 07, 2011 7:49 AM
To: brpwater@hughes.net
Cc: eckleyengineering@comcast.net
Subject: RA Certificate Estimate for Buell Red Prairie Water District R11820-11 involving application S-66101

Mark & Paul,

Please find the attached estimate and agreement to process your application. If the proposed agreement is acceptable to you, please return a signed copy to our office along with the payment of the estimated cost to process the application.

Please let me know if you'd like me to mail you a receipt for the monies paid for this contract, or will your returned check suffice?

If you have any questions, please call me.

R. Craig Kohanek
Water Rights Specialist
Reimbursement Authority
Oregon Water Resources Department
Phone: 503-986-0823
Fax: 503-986-0901
Ron.c.kohanek@wrd.state.or.us

Craig Kohanek

From: eckleyengineering87 <eckleyengineering@comcast.net>
Sent: Tuesday, November 22, 2011 7:23 PM
To: 'Craig Kohanek'
Subject: RE: Map for R11820-11 Buell Red Prairie Water District

Craig: I'll try to answer your questions about the COBU map:

1) Point of Diversion: The point of diversion has changed from the permit application. If you compare the two maps, the original point of diversion shown on the permit application map was at the upper end of the District's reservoir. In reality, the point of diversion is where it is shown on my COBU map, which is the location of their water treatment plant, which pulls water out of the reservoir.

2) Point of Use (recharge well): The bearings shown on the permit application map are N 38 degrees E, a distance of 1318 ft. I found the recharge well at a slightly different location, N 33 degrees, 1 minute, E; a distance of 1200 ft.

Paul Eckley

From: Craig Kohanek [mailto:ron.c.kohanek@state.or.us]
Sent: Monday, November 21, 2011 1:55 PM
To: eckleyengineering87 (eckleyengineering@comcast.net)
Subject: Map for R11820-11 Buell Red Prairie Water District

Paul,

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Craig Kohanek

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Contract wise, everything's a go.

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From: Craig Kohanek [mailto:kohanerc@wrd.state.or.us]
Sent: Wednesday, September 07, 2011 7:49 AM
To: brpwater@hughes.net
Cc: eckleyengineering@comcast.net
Subject: RA Certificate Estimate for Buell Red Prairie Water District R11820-11 involving application S-66101

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Ron.c.kohanek@wrd.state.or.us

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Sent: Wednesday, September 07, 2011 7:49 AM
To: 'brpwater@hughes.net'
Cc: 'eckleyengineering@comcast.net'
Subject: RA Certificate Estimate for Buell Red Prairie Water District R11820-11 involving application S-66101
Attachments: RA Certificate Contract Executed.pdf

Mark & Paul,

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Please let me know if you'd like me to mail you a receipt for the monies paid for this contract, or will your returned check suffice?

If you have any questions, please call me.

R. Craig Kohanek
Water Rights Specialist
Reimbursement Authority
Oregon Water Resources Department
Phone: 503-986-0823
Fax: 503-986-0901
Ron.c.kohanek@wrd.state.or.us

STATE OF OREGON

WATER RESOURCES DEPARTMEN

RECEIPT # 103858

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

INVOICE # _____

RECEIVED FROM: Buell-Red Prairie Water District

BY: _____

APPLICATION	S-66101
PERMIT	
TRANSFER	

CASH: ☐ CHECK:# ☒ 16349 OTHER: (IDENTIFY) ☐ _____

TOTAL REC'D $1,010.00

1083 TREASURY 4170 WRD MISC CASH ACCT

0407 COPIES 47126 R 11820-11 $ _____

0408 OTHER: (IDENTIFY) Reimbursement Authority $ 1,010.00

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

4270 WRD OPERATING ACCT

MISCELLANEOUS

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

WATER RIGHTS:

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

WELL CONSTRUCTION

		EXAM FEE		LICENSE FEE
0218	WELL DRILL CONSTRUCTOR	$	0219	$
	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: 103858 DATED: 9-6-11 BY: JR

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

STATE OF OREGON

WATER RESOURCES DEPARTMEI

RECEIPT # 103726

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

INVOICE # _____

RECEIVED FROM: Buell-Red Prairie Water District

BY: _____

APPLICATION	S 66101
PERMIT	
TRANSFER	

CASH: ☐ CHECK:# ☒ 10338 OTHER: (IDENTIFY) ☐ _____

TOTAL REC'D $ 125.00

1083 TREASURY 4170 WRD MISC CASH ACCT

0407 COPIES 47126 R1182011 $ _____

0408 OTHER: (IDENTIFY) Reimbursement Authority $ 125.00

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

4270 WRD OPERATING ACCT

MISCELLANEOUS

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

WATER RIGHTS:

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

WELL CONSTRUCTION

		EXAM FEE		LICENSE FEE
0218	WELL DRILL CONSTRUCTOR	$	0219	$
	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: 103726 DATED: 8.24.11 BY: LAG

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

OREGON WATER RESOURCES DEPARTMENT

CERTIFICATE REIMBURSEMENT AUTHORITY APPLICANT'S AGREEMENT

Contract Number: **R11[redacted]-11**

This Agreement is between the **Oregon Water Resources Department**, hereafter OWRD, and [redacted] hereafter Applicants, hereafter known together as the parties.

OWRD Information	**Applicant's Information**	**Applicant's Representative**
Project Contact: R. Craig Kohanek	Name: [redacted]	Name: [redacted]
Reimbursement Authority	Title:	Title: [redacted]
Oregon Water Resources Department	Company: [redacted]	Company:
725 Summer Street, NE	Address: [redacted]	Address: [redacted]
Salem, OR 97301-1271		
Phone: 503-986-0823	Phone: [redacted]	Phone: [redacted]
Email: Ron.c.kohanek@state.or.us	Email: [redacted]	Email: [redacted]

1. **Purpose.** The purpose of this Agreement is to expedite the processing of the **Claim of Beneficial Use. (Application Number: [redacted])**

2. **Authority.** ORS 536.055 authorizes the OWRD to enter into a voluntary agreement with any applicant, permittee or regulated entity (collectively Applicant) for expediting or enhancing a regulatory process. In making this agreement, OWRD shall require the applicant to pay the full cost of expedited process.

3. **Restrictions.** [redacted] and OWRD agree that this Agreement shall not be construed to restrict in any way the decisions and actions by OWRD. OWRD shall be free to exercise independent judgment consistent with existing laws and regulations.

4. **Effective Date and Duration.** Unless otherwise terminated by non-deposit of funds by the Applicant, this Agreement shall become effective on the date on which both parties have signed the Agreement and the full deposit of the estimated cost of the proposed service has been received by OWRD.

5. **Consideration.** [redacted] shall pay OWRD in advance for actual costs incurred by OWRD. [redacted] agrees to pay the full amount of $[redacted] to OWRD prior to commencement of any work stated in this Agreement. This payment will be placed in an account administered by OWRD and drawn upon as costs are actually incurred. If the actual cost of performing the work is less than payments received, OWRD will refund the unspent balance. If the actual cost of processing exceeds the estimate, the Applicant can either elect to terminate this Agreement or amend the Agreement to reflect the increase in cost. The costs stated in this Agreement do not include the statutory application processing and filing fees.

6. **Confidentiality.** [redacted] agrees that any information provided to or acquired by OWRD under this Agreement will be subject to the Oregon Public Records Law and shall be considered public records.

7. **Indemnity.** Applicant shall defend, save, hold harmless, and indemnify the State of Oregon, OWRD, and their officers, employees, and agents from and against all claims, suits, actions, losses, damages, liabilities, costs and expenses of any nature resulting from or arising out of, or relating to the activities of Applicant or its representatives, officers, employees, contractors, or agents under this Agreement or with respect to the expedited service. The Applicant acknowledges that the Oregon Water Resources Department cannot and does not guarantee a favorable review under the subject regulatory process.

RECEIVED
SEP 06 2011
WATER RESOURCES DEPT
SALEM, OREGON

8. **Termination.** Applicant may request to terminate this agreement only in writing at anytime during the process. The Applicant agrees to pay for the work done by the Reimbursement Authority personnel up until the time of the written termination request. OWRD, upon receiving such written termination request from the Applicant, will refund any unspent balance after paying the Reimbursement Authority personnel for the work done.

9. **Funds Authorized and Available.** By its execution of this Agreement, Applicants certifies that sufficient funds are authorized and available to cover the expenditures contemplated by this Agreement.

10. **Duration of Estimate.** The Estimate of Time to complete the work is no later than ninety (90) days once this Agreement has been fully executed and payment of the estimated cost deposited. However, this estimate is contingent on the Applicant's expeditious resolution of any deficiency and may be affected by the Department's work load. This Estimate of Time may become null and void after thirty (30) days from the date the Applicant's Agreement is mailed. If the Applicant's Agreement is not received by the Department within thirty (30) days of mailing the Agreement, the Applicant may need to re-apply for a new estimate.

11. **Completion Date.** OWRD, by the execution of this Agreement does not guarantee the completion date indicated in this Agreement. Completion date is only an estimate and may be affected by the Department's workload, issues arising from the processing of the requested services and Applicant's timely response to requests for additional information.

12. **Captions.** The captions or headings in this Agreement are for the convenience only and in no way define limit or describe the scope or intent of any provision of this Agreement.

13. **Amendment and Merger.** The terms of this Agreement shall not be waived, altered, modified, supplemented or amended in any manner whatsoever, except by written instrument signed by both parties. Such waiver, consent, modification or change, if made, shall be effective only in the specific instance and for the specific purpose given. There are no understandings, agreements or representations, oral or written, not specified herein regarding this Agreement.

14. **Signatures.** All parties, by the authorized representative's signature below, hereby acknowledge that they have read this Agreement, understand it and agree to be bound by its terms and conditions.

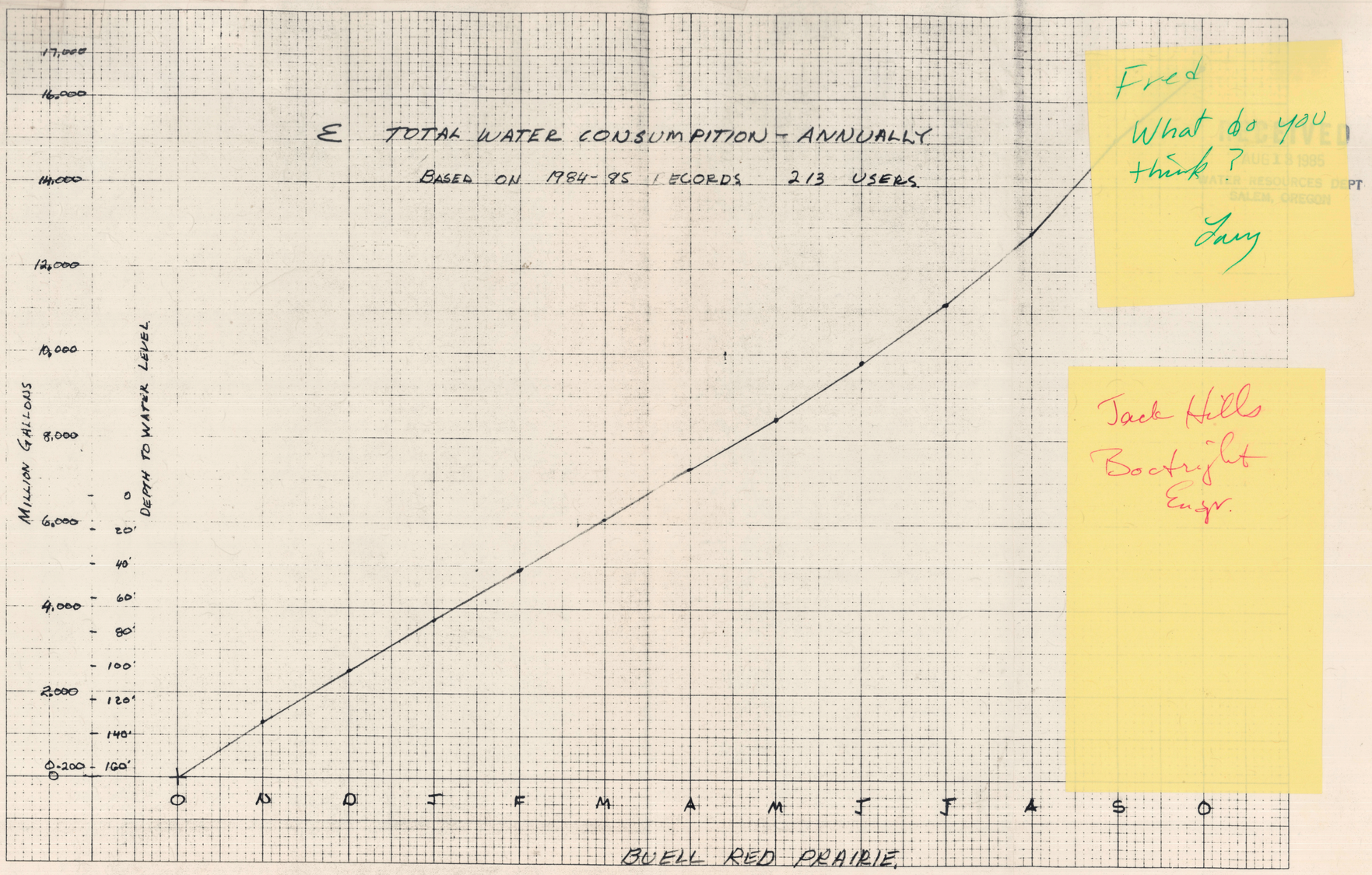
Applicant: Mark Millsteen
Name: [redacted]
Title:
Company: [redacted]
Date: August 31, 2011

For OWRD: R. Craig Kohanek
Name: R. Craig Kohanek
Water Rights and Adjudication Division
Date: September 7, 2011

Mail signed Agreement to:

Craig Kohanek
Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, OR 97301-1271

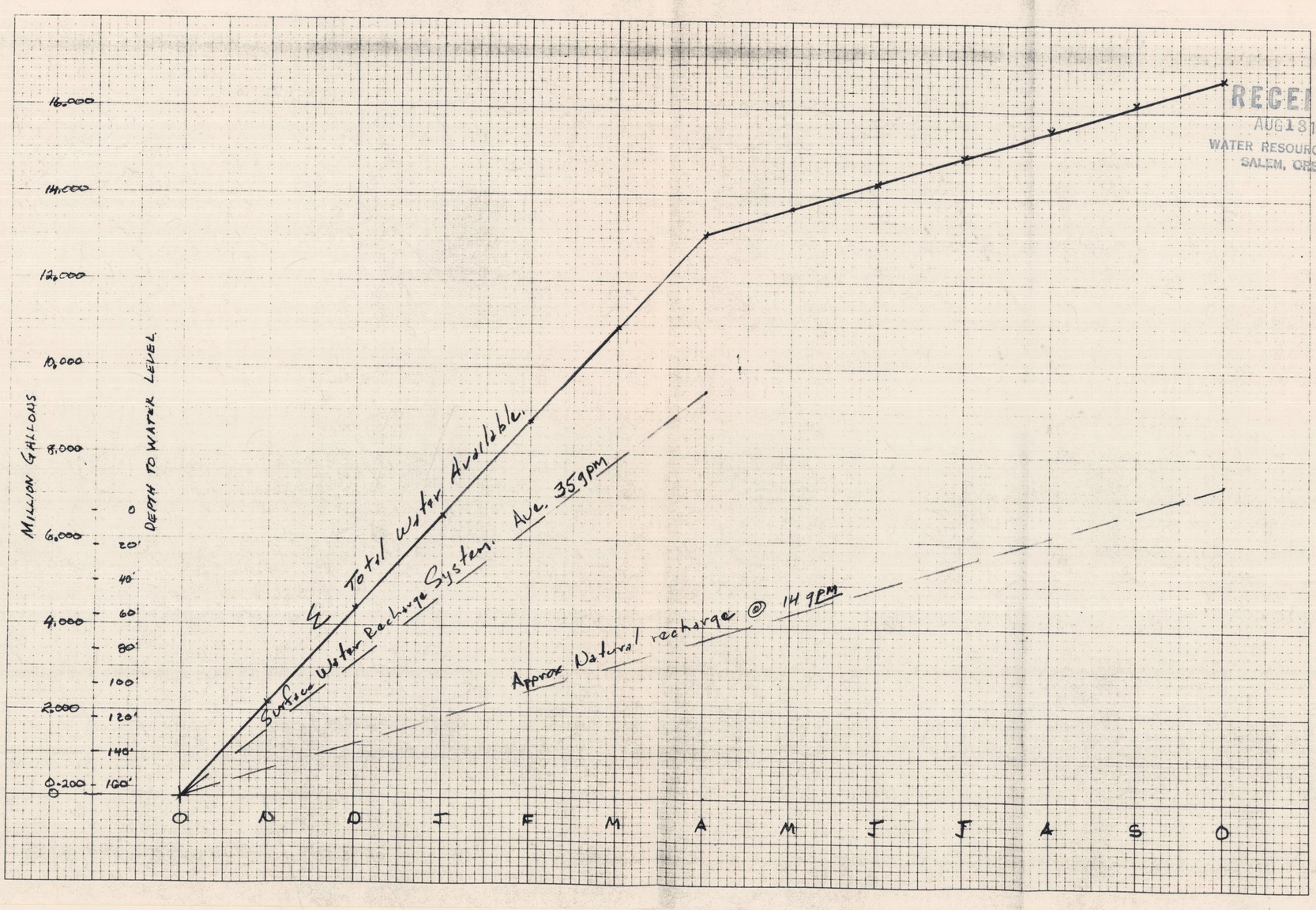
RECEIVED
SEP 06 2011
WATER RESOURCES DEPT
SALEM, OREGON



Fred
What do you think?
Larry

Jack Hills
Boatright
Engr.

RECEIVED
AUG 13 1985
WATER RESOURCES DEPT
SALEM, OREGON



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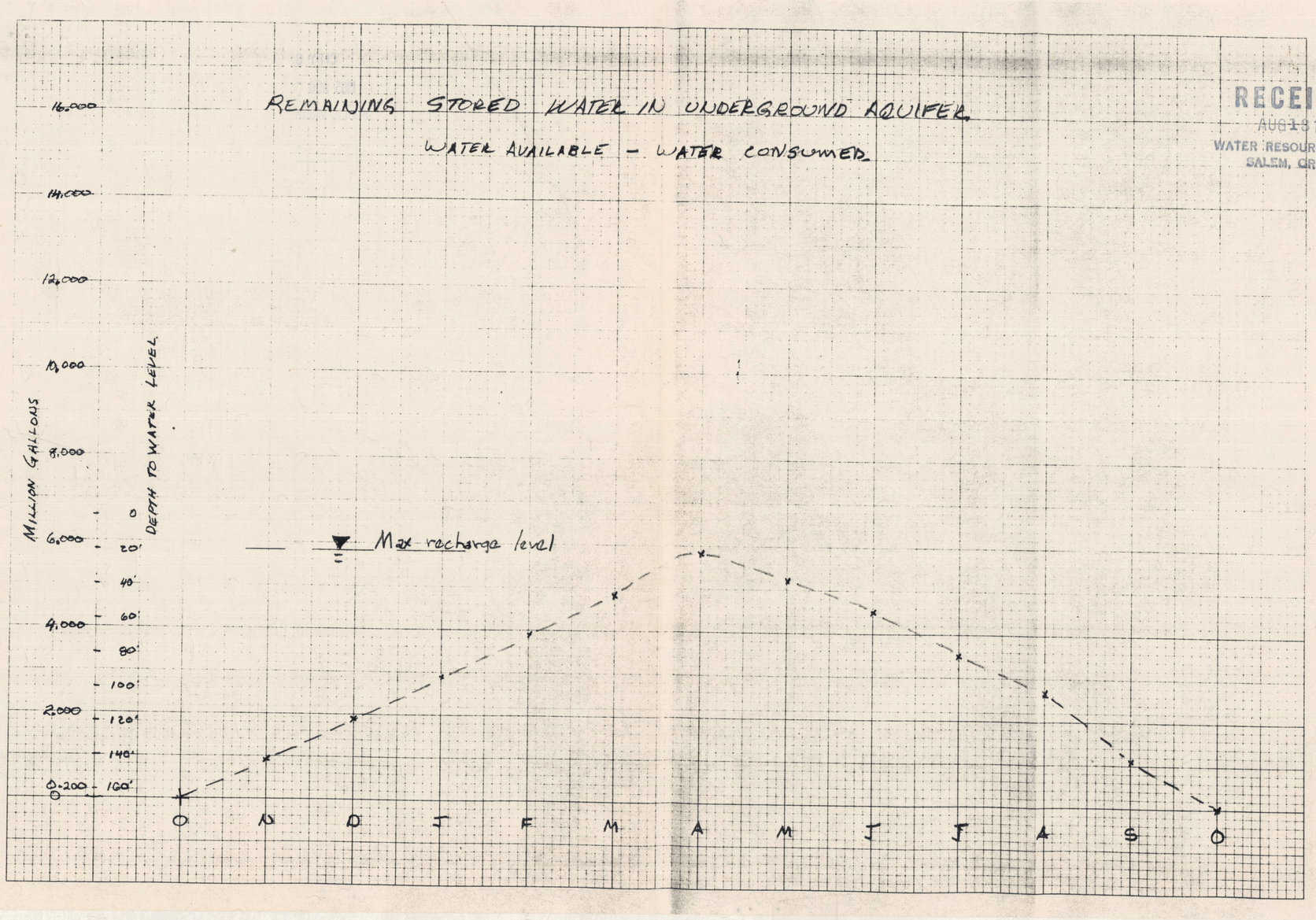
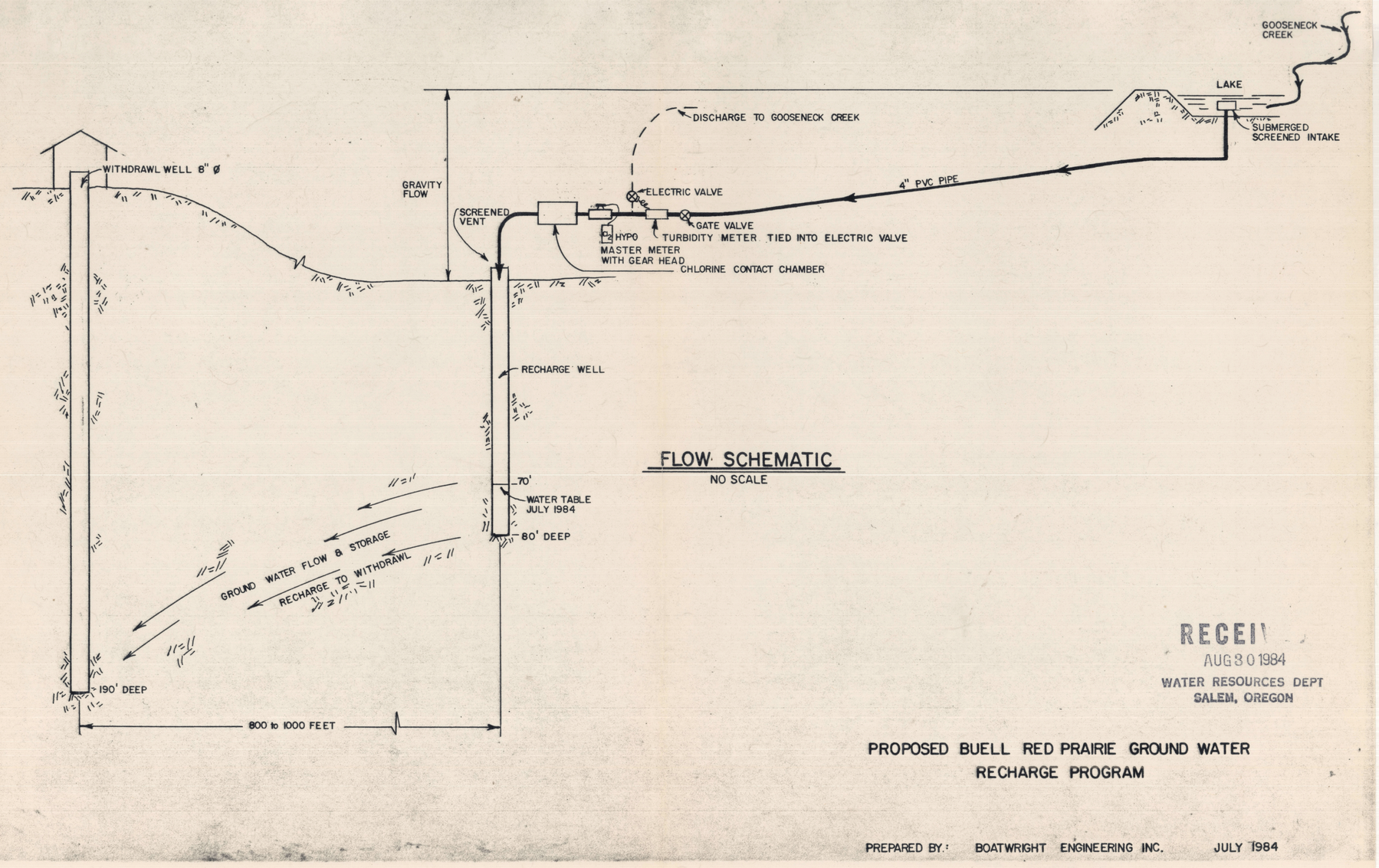
AUG 13 1985
WATER RESOURCES DEPT
SALEM, OREGON



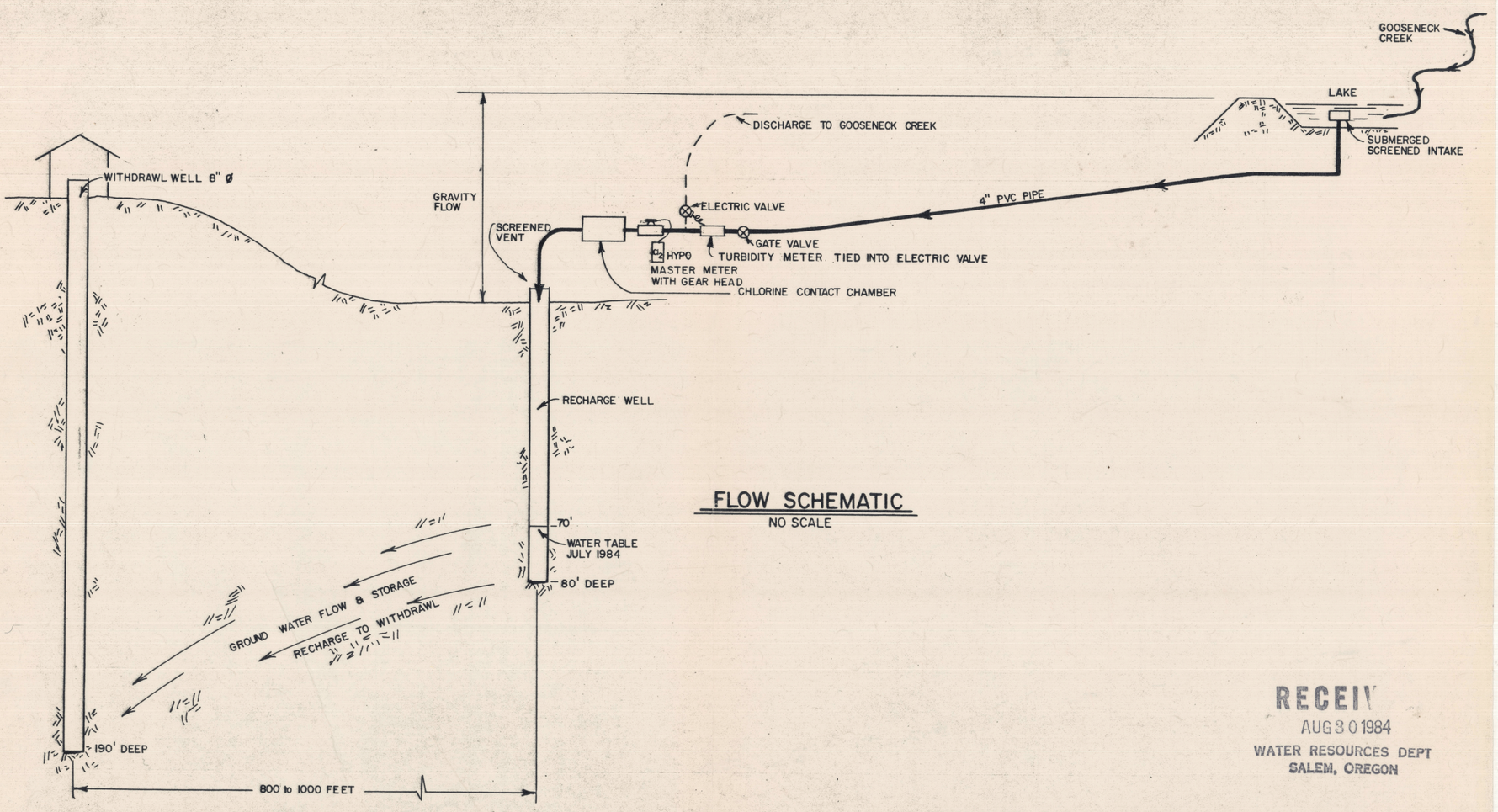


FLOW SCHEMATIC
NO SCALE

RECEIV
AUG 30 1984
WATER RESOURCES DEPT
SALEM, OREGON

PROPOSED BUELL RED PRAIRIE GROUND WATER RECHARGE PROGRAM

PREPARED BY: BOATWRIGHT ENGINEERING INC. JULY 1984



FLOW SCHEMATIC
NO SCALE

RECEIV
AUG 30 1984
WATER RESOURCES DEPT
SALEM, OREGON

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PREPARED BY: BOATWRIGHT ENGINEERING INC. JULY 1984

STATE OF OREGON

WATER RESOURCES DEPARTMENT

RECEIPT # 103058

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

INVOICE # _____

RECEIVED FROM: Buell-Red Prairie Water District

BY:

APPLICATION	S-66101
PERMIT	
TRANSFER	

CASH: ☐ CHECK:# ☒ 6349 OTHER: (IDENTIFY) ☐ _____

TOTAL REC'D $1,010.00

1083 TREASURY 4170 WRD MISC CASH ACCT

0407	COPIES	47126 R 11820-11	$
0405	OTHER:	(IDENTIFY) Reimbursement Authority	$ 1,010.00

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

4270 WRD OPERATING ACCT

MISCELLANEOUS

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0408	MISC REVENUE: (IDENTIFY) _____	$
TC162	DEPOSIT LIAB. (IDENTIFY) _____	$
0240	EXTENSION OF TIME	$

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		EXAM FEE		RECORD FEE
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0203	GROUND WATER	$	0204	$
0205	TRANSFER	$		

WELL CONSTRUCTION

		EXAM FEE		LICENSE FEE
0218	WELL DRILL CONSTRUCTOR	$	0219	$
	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: 103858 DATED: 9-6-11 BY: JR

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Craig Kohanek

From: Craig Kohanek
Sent: Friday, August 26, 2011 9:44 AM
To: 'brpwater@hughes.net'
Cc: 'eckleyengineering@comcast.net'
Subject: RA Certificate Estimate for Buell Red Prairie Water District R11820-11 involving application # S-66101
Attachments: RA Certificate Contract Estimate.pdf

Mark & Paul,

Please find the attached estimate and agreement to process your application. If the proposed agreement is acceptable to you, please return a signed copy to our office along with the payment of the estimated cost to process the application.

If you have any questions, please call me.

Please let me know if you'd like me to mail you a copy of the receipt for the monies you submitted for this estimate.

R. Craig Kohanek
Water Rights Specialist
Reimbursement Authority
Oregon Water Resources Department
Phone: 503-986-0823
Fax: 503-986-0901
Ron.c.kohanek@wrd.state.or.us

EGON WATER RESOURCES DEPA 1ENT

CEk11FICATE REIMBURSEMENT Au1HORITY ESTIMATE APPLICATION

ORS 536.055 authorizes the Oregon Water Resources Department to expedite or enhance regulatory processes voluntarily requested under the agreement.

The purpose of this application is to obtain estimates of the cost and time required to process a Certificate Request. ***There is a non-refundable application fee of $125.00 per request.***

REQUEST	TYPE	FILE NUMBER	
☒	Certificate Request	Application Number	S-66101
		Permit Number	S-51165
		Transfer Number (if applicable)	N/A

	Applicant Information	Applicant's Representative/Contact
Name:	Mark Millikan, Buell Red Prairie Water District	Paul Eckley
Title (optional):	Board President	Eckley Engineering, LLC
Address:	P.O. Box 367	579 Juntura Court SE
	Sheridan, OR 97378	Salem, OR 97302
Phone:	503-843-2885; 503-843-2548	503-364-8199
E-Mail Address:	brpwater@hughes.net	eckleyengineering@comcast.net

I certify that I *(check one)*:

☒ have previously filed a Claim of Beneficial Use.

☐ am attaching the Claim of Beneficial Use with this request and have included the appropriate claim fee.

I understand the following:

- That upon receipt of my non-refundable application fee in the amount of **$ 125.00**, OWRD will, within fourteen (14) days, notify me in writing of the estimates of cost and time frame for the expedited service.
- That this fee covers the reimbursement authority staff to evaluate and provide the estimate for processing of the request.
- That upon receiving the estimate I may agree or decline to enter into a formal contract to pay the estimated cost in advance to initiate the expedited service.
- An incomplete or inaccurate Claim of Beneficial Use may delay the process and increase the cost to process my request.
- Expedited processing does not guarantee a favorable review of my request.

You may request a one-hour conference with OWRD staff. The conference would only occur after you have signed the contract and paid the estimated cost of processing your application. Please indicate your preference *(check one)*:

☒ I do not want to schedule a one-hour conference with OWRD staff.

☐ I want to schedule a one-hour conference with OWRD staff to discuss my project. I understand that I will be billed for this time, and that it may affect my total costs.

Send completed Application and payment to:

Oregon Water Resources Department
Certificate Reimbursement Authority Program
725 Summer St. NE, Suite A
Salem, OR 97301-1271

I certify that I am the *(check one)*:

☒ Applicant ☐ Applicant's Representative ☐ Other *(Please specify)* ____

Name: Mark Millikan

Signature: Mark Millikan

OWRD USE ONLY: Reimbursement Authority Number: R11820-11

Craig Kohanek

From: Sandra Todd
Sent: Wednesday, August 24, 2011 3:25 PM
To: Elisabeth Graham
Cc: Dave Nelson; Salem Opeifa; Craig Kohanek
Subject: RE: RA Request -- Certificate

R11820 11 PCA 47126
Thank you.
Sandy

From: Elisabeth Graham
Sent: Wednesday, August 24, 2011 2:28 PM
To: Sandra Todd
Cc: Dave Nelson; Salem Opeifa; Craig Kohanek
Subject: RA Request -- Certificate

Hello All,

Applicant: Mark Millikan, Buell Red Prairie Water District

Applicant Representative: Paul Eckley

Related to File#: S-66101

Receipt #: 103726

Thanks,
Lisa

STATE OF OREGON

WATER RESOURCES DEPARTMENT

RECEIPT # 10[illegible].26

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

INVOICE # _____

RECEIVED FROM: Buell-Red Prairie Water District

BY: _____

APPLICATION	S 66101
PERMIT	
TRANSFER	

CASH: ☐ CHECK:# ☒ 10338 OTHER: (IDENTIFY) ☐ _____

TOTAL REC'D $ 125.00

1083 TREASURY 4170 WRD MISC CASH ACCT

0407	COPIES 47/26	R118201	$
D408	OTHER:	(IDENTIFY) Reimbursement Authority	$ 125.00

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

4270 WRD OPERATING ACCT

MISCELLANEOUS

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

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

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

_____ OTHER (IDENTIFY) _____

0536 TREASURY 0437 WELL CONST. START FEE

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		LIC NUMBER	
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0231	HYDRO LICENSE FEE (FW/WRD)		$
_____	HYDRO APPLICATION		$

_____ TREASURY OTHER / RDX

FUND _____ TITLE _____

OBJ. CODE _____ VENDOR # _____

DESCRIPTION _____ $

RECEIPT: 103726 DATED: 8-24-11 BY: [illegible]

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