

**RECEIVED**

JAN 31 1972

**STATE ENGINEER  
SALEM OREGON**

Permit No. **41512**

\***CERTIFICATE NO. 76669**

**\*APPLICATION FOR PERMIT**

### To Appropriate the Public Waters of the State of Oregon

I, E.P. McDole (Filing for Ordnance Recharge Corporation)  
(Name of applicant)  
 of Route 2, Box 117, Herrieston Umatilla,  
(Mailing address) (City)  
 State of Oregon, do hereby make application for a permit to appropriate the  
(Zip Code)  
 following described public waters of the State of Oregon, **SUBJECT TO EXISTING RIGHTS:**

If the applicant is a corporation, give date and place of incorporation in process of  
 being incorporated

1. The source of the proposed appropriation is Umatilla River  
(Name of stream)  
 a tributary of \_\_\_\_\_

2. The amount of water which the applicant intends to apply to beneficial use is 75 cfs  
 cubic feet per second (if available) see ltr. T.W.G. 2/11/77  
(If water is to be used from more than one source, give quantity from each)

3. The use to which the water is to be applied is recharge of Ordnance aquifer  
(Irrigation, power, mining, manufacturing, domestic supplies, etc.)  
 ground water area

4. The point of diversion is located \_\_\_\_\_ ft. \_\_\_\_\_ and \_\_\_\_\_ ft. \_\_\_\_\_ from the  
(N. or S.) (E. or W.)  
 corner of N. 76° 45' 56" E 2913.19ft. from SW corner NW 1/4 Sec. 21  
(Section or subdivision)

(If preferable, give distance and bearing to section corner)  
(If there is more than one point of diversion, each must be described. Use separate sheet if necessary)

being within the SW 1/4 NE 1/4 of Sec. 21, Tp. 3N,  
(Give smallest legal subdivision) (N. or S.)  
 R. 29E, W. M., in the county of Umatilla  
(E. or W.)

5. The \_\_\_\_\_ to be \_\_\_\_\_  
(Main ditch, canal or pipe line) (Miles or feet)  
 in length, terminating in the \_\_\_\_\_ of Sec. \_\_\_\_\_, Tp. \_\_\_\_\_,  
(Smallest legal subdivision) (N. or S.)  
 R. \_\_\_\_\_, W. M., the proposed location being shown throughout on the accompanying map.  
(E. or W.)

#### DESCRIPTION OF WORKS

##### Diversion Works—

6. (a) Height of dam \_\_\_\_\_ feet, length on top \_\_\_\_\_ feet, length at bottom \_\_\_\_\_  
 feet; material to be used and character of construction \_\_\_\_\_  
(Loose rock, concrete, masonry, rock and brush, timber crib, etc., wasteway over or around dam)

(b) Description of headgate \_\_\_\_\_  
(Timber, concrete, etc., number and size of openings)

(c) If water is to be pumped give general description \_\_\_\_\_  
(Size and type of pump)  
 \_\_\_\_\_  
(Size and type of engine or motor to be used, total head water is to be lifted, etc.)

\* A different form of application is provided where storage works are contemplated. Such forms can be secured without charge, together with instructions, by addressing the State Engineer, Salem, Oregon 97310.

Canal System or Pipe Line—

7. (a) Give dimensions at each point of canal where materially changed in size, stating miles from headgate. At headgate: width on top (at water line) ..... feet; width on bottom ..... feet; depth of water ..... feet; grade ..... feet fall per one thousand feet.

(b) At ..... miles from headgate: width on top (at water line) ..... feet; width on bottom ..... feet; depth of water ..... feet; grade ..... feet fall per one thousand feet.

(c) Length of pipe, ..... ft.; size at intake, ..... in.; size at ..... ft. from intake ..... in.; size at place of use ..... in.; difference in elevation between intake and place of use, ..... ft. Is grade uniform? ..... Estimated capacity, ..... sec. ft.

8. Location of area to be irrigated, or place of use See attachment No. 1

Township North or South	Range E. or W. of Willamette Meridian	Section	Forty-acre Tract	Number Acres To Be Irrigated
3N	27E	1	N 1/2 SW 1/4	
		2	N 1/2 SE 1/4	
			SW 1/4 SW 1/4	
		10	W 1/2 NE 1/4	
4N	28E	30	SW 1/4 NW 1/4	
		31	SE 1/4 SW 1/4	
		17	NE 1/4 NW 1/4	
			W 1/2 SW 1/4	
			<i>P. H. Mc</i>	

(If more space required, attach separate sheet)

(a) Character of soil .....

(b) Kind of crops raised .....

Power or Mining Purposes—

9. (a) Total amount of power to be developed ..... theoretical horsepower.

(b) Quantity of water to be used for power ..... sec. ft.

(c) Total fall to be utilized ..... feet.  
(Head)

(d) The nature of the works by means of which the power is to be developed .....

(e) Such works to be located in ..... of Sec. ....  
(Legal subdivision)

Tp. ...., R. ...., W. M. ....  
(No. N. or S.) (No. E. or W.)

(f) Is water to be returned to any stream? No  
(Yes or No)

(g) If so, name stream and locate point of return .....

....., Sec. ...., Tp. ...., R. ...., W. M. ....  
(No. N. or S.) (No. E. or W.)

(h) The use to which power is to be applied is .....

(i) The nature of the mines to be served .....

<u>Name</u>	<u>Well No.</u>	<u>Application No.</u>
Hansell Bros., Inc.	42D	G-5209
"	17 (20) (42)	G-2520, (G-2818, G-5209)
"	42C	G-5209
"	33A (42A)	G-4231, (G-5209)
"	33B (42B)	G-4231, (G-5209)
"	53B	G-5598
"	33	G-4231
"	83	G-1778
"	4 (10) (24) (53)	U-545, (G-139, G-3408, G-5598)
"	24A (53A)	G-3408 (G-5598)
"	38 (40)	G-4452, (G-5026)
"	1 (21)	U-365, (G-2831)
Drs. Starr and Wood	14	G-1012
"	14A	G-1012
Don and Jim Key	45A	G-5145
"	45	G-5145
"	23A	G-3092
"	23	G-3092
"	23F	G-3092
"	23G	G-3092
J. W. Aylett	54	G-5549
"	54A	G-5549
"	3 (7)	U-544
"	7A	U-819
"	54	G-5549
"	2	U-398
"	22	G-3029
"	11	G-279
"	7A	U-819
"	55	G-5549
Roy Holzappel - Dwayne Carrol	30	G-4140
"	16A	G-1777
"	16B	G-1777
"	16	G-1777
Pendleton Grain Growers	77	G-94

Item No. 8

T. 3 N., R. 27 E.

Section 3 W $\frac{1}{2}$   
Section 4 E $\frac{1}{2}$   
Section 9 S $\frac{1}{2}$  NE $\frac{1}{4}$   
                  N $\frac{1}{2}$  SE $\frac{1}{4}$   
Section 10 N $\frac{1}{2}$   
                  N $\frac{1}{2}$  SW $\frac{1}{4}$

T. 4 N., R. 27 E.

Section 27 SW $\frac{1}{4}$   
Section 28 S $\frac{1}{2}$   
Section 29 SE $\frac{1}{4}$   
Section 32 NE $\frac{1}{4}$   
Section 33 N $\frac{1}{2}$   
Section 33 SE $\frac{1}{4}$   
Section 34 W $\frac{1}{2}$

**Application No. 48966**  
**Permit No. 41512**

Addendum to application No. 48966 for recharge of Ordnance gravels

It is proposed to recharge the "Ordnance Gravel Critical Ground Water Area" by diversion of surplus flows from the Umatilla River. Water is to be conveyed from the river through the Westland Canal to a point above Lost Lake where it is diverted into the works of the County Line Water Improvement District. Records of quantities of water diverted will be kept at the diversion from the Umatilla River and in the pipeline at the meter near Homestead Road. The pipeline will run from the Westland Canal approximately 6875 feet north to its junction with the County Line Imp. Dist. Canal. The canal will run approximately 1½ miles north and then 1 1/3 miles west. A typical canal section will have a bottom width of 15 feet, a minimum depth of 3½ feet and a probable maximum cut of 12 feet. The canal will pass near the major wells and is intended for maximum leakage in order to recharge the alluvial gravel zone. Shallow wells or seepage pits will be excavated near the pump wells along the canal line as necessary in order to recharge up to 50 cfs continuous flow.

Use of the Westland system will be in accord with the license from the District dated December 1, 1976 and copy furnished. Measurements of static water level increases in the wells in the basin will be made and correlated with the quantities recharged in order to determine its effectiveness. It is expected that the Water Resources Department will monitor the use and evaluate the success of the program at least annually and may direct modification as necessary to provide proper controls and insure protection of prior rights. The District is willing to provide data and cooperate in all reasonable ways to this end.

It is planned to repump the recharged water for irrigation from the existing wells and through the existing irrigation systems of the members holding rights to such development for use on currently irrigated land. Meters on each well and system as required by the Ordnance Critical Ground Water Order will be utilized to determine total quantities of water pumped, amount entitled to under the critical area order and the amount which must be charged to that supplied by recharge. It is recognized that this is experimental and it may be necessary to pump larger amounts from some wells while shutting others off in order to be able to utilize the quantities recharged and to not interfere with the prior rights as set forth in the critical area order.

At this time, it is not known how much water will be lost by leakage from the Westland Canal, but it is believed essential to get at least 50 cfs into the recharge canal. Lost Lake serves as a safety dump for diverted water if emergency shutdowns are required or if canal fluctuations cause some bypass at the headworks. Water diverted into Lost Lake will also seep into the ground providing additional recharge to the critical area. Due to its location and the intervening permeabilities, recharge at this point may take in excess of a year to reach the recovery wells.

It is intended that each member will withdraw the water from the following wells identified by the number in the critical ground water area order and by application number.

Permit number 41512 is subject to the following provisions:

The permittee shall:

- A) Install a totalizing meter at the discharge end of the pipeline conveying water from the Westland Canal.
- B) Install thirty-day water level recorders in a well located in the NW $\frac{1}{4}$  NE $\frac{1}{4}$  SE $\frac{1}{4}$ , Section 32, Township 4 North, Range 27 East, and in a well located in the NW $\frac{1}{4}$  NE $\frac{1}{4}$  NW $\frac{1}{4}$ , Section 28, Township 4 North, Range 27 E.
- C) Provide a piezometer well within the SW $\frac{1}{4}$  SW $\frac{1}{4}$ , Section 4, Township 3 North, Range 27 East, and in the NE $\frac{1}{4}$  SW $\frac{1}{4}$  NE $\frac{1}{4}$ , Section 34, Township 4 North, Range 27 East.
- D) Provide access and measuring wells as may be required to measure the effectiveness of the ground water recharge and to provide proper controls and insure protection of prior rights.

If critical fish passage conditions are anticipated, the Department of Fish and Wildlife may petition the Water Resources Director to restrict the diversion of water authorized hereunder to permit emergency fish passage actions to be carried out.

As provided by ORS 537.135, the District shall file an application for permit for withdrawal as soon as the quantity available for withdrawal as a result of the recharge can be established.

10. (a) To supply the city of .....

..... County, having a present population of .....

(Name of)

and an estimated population of ..... in 19.....

(b) If for domestic use state number of families to be supplied .....

(Answer questions 11, 12, 13, and 14 in all cases)

11. Estimated cost of proposed works, \$ 2000.00.....

12. Construction work will begin on or before Feb. 1, 1972.....

13. Construction work will be completed on or before Jan. 1, 1973.....

14. The water will be completely applied to the proposed use on or before April 15, 1972.....

*E. Roy McPol*  
(Signature of applicant)

Remarks: The flood waters of the Umatilla River are to be used  
in this development and are to be transported and  
delivered by the Westland Irrigation District through  
their Canal System to a point or points indicated by  
asterisks on the accompanying map.

STATE OF OREGON, }  
County of Marion, } ss.

This is to certify that I have examined the foregoing application, together with the accompanying maps and data, and return the same for .....

In order to retain its priority, this application must be returned to the State Engineer, with corrections on or before ....., 19.....

WITNESS my hand this ..... day of ....., 19.....

STATE ENGINEER

By ..... ASSISTANT



PERMIT

STATE OF OREGON, }  
County of Marion, } ss.

This is to certify that I have examined the foregoing application and do hereby grant the same, SUBJECT TO EXISTING RIGHTS 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 75.0 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 Umatilla River

The use to which this water is to be applied is recharge of "Ordinance Gravel Critical Ground Water Area"

If for irrigation, this appropriation shall be limited to of one cubic foot per second or its equivalent for each acre irrigated

The right herein granted is subject to the special provisions and requirements of the addenda attached to and made part of this permit.

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 January 31, 1972 and is subject to the provisions of ORS 537.135 (2)

Actual construction work shall begin on or before June 10, 1978 and shall

thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 1979.

Complete application of the water to the proposed use shall be made on or before October 1, 1980.

WITNESS my hand this 10th day of June, 1977.

*James E. Saxon*  
Water Resources Director STATE ENGINEER

Application No. 48966  
Permit No. 41512

PERMIT

TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF OREGON

This instrument was first received in the office of the State Engineer at Salem, Oregon, on the 31st day of January, 1972, at 8:00 o'clock P. M.

Returned to applicant:

Approved:

Recorded in book No. of

Permits on page

STATE ENGINEER

Drainage Basin No. 7 page 13-B

Fees