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SEP 19 1974

STATE ENGINEER  
SALEM, OREGON

"CERTIFICATE NO. 76323"

Permit No. 42782

\*APPLICATION FOR PERMIT

To appropriate the Public Waters of the State of Oregon

I, Wm. E. Miller dba Central Oregon Pumice Company  
(Name of applicant)  
of 5 N. W. Greenwood Avenue Bend, Oregon 97701  
(Mailing address)  
State of Oregon, do hereby make application for a permit to appropriate the

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

44-0210-1974  
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1. The source of the proposed appropriation is City of Bend waste water (overflow) canal  
(Name of stream)  
& North Ridge Reservoir, a tributary of Tumalo Creek

2. The amount of water which the applicant intends to apply to beneficial use is 5.0  
cubic feet per second.  
(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 Agricultural Irrigation  
(Irrigation, power, mining, manufacturing, domestic supplies, etc.)

4. The point of diversion is located 880 ft. North and 240 ft. East from the South  
(N. or S.) (E. or W.)  
1/4 corner of Sec. 34, Township 17 S. R. 11 E.W.M.  
(Section or subdivision)

Data from aerial map a copy of which accompanies this application.

(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 of the SE 1/4 of Sec. 34, Tp. 17 S.,  
(Give smallest legal subdivision) (N. or S.)

R. 11 E., W. M., in the county of Deschutes  
(E. or W.)

5. The Main ditch to be 2.3 Miles  
(Main ditch, canal or pipe line) (Miles or feet)  
in length, terminating in the NW 1/4 of the NW 1/4 of Sec. 36, Tp. 17 S.,  
(Smallest legal subdivision) (N. or S.)

R. 11 E., 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 2.0 feet, length on top 15.0 feet, length at bottom  
12.0 feet; material to be used and character of construction Volcanic rocks  
(Loose rock, concrete, masonry)

which serve as check to back water to C.M.P. turnout  
rock and brush, timber crib, etc., wasteway over or around dam)

(b) Description of headgate Concrete - metal gate turnout. Outlet from Pond - Concrete  
(Timber, concrete, etc., number and size of openings)  
Weir, 4.0' long under head of 7 in. Lock to be placed on weir.

(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.

\*\*Application for permits to appropriate water for the generation of electricity, with the exception of municipalities, must be made to the Hydroelectric Commission. Either of the above forms may be secured, without cost, together with instructions by addressing the State Engineer, Salem, Oregon.

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) 8.0 feet; width on bottom 7.0 feet; depth of water 0.50'± feet; grade 30.38 feet fall per one thousand feet.

(b) At 0.70 miles from headgate: width on top (at water line) 8.0' feet; width on bottom 7.0' feet; depth of water 0.50± feet; grade 19.8 feet fall per one thousand feet. - to end of ditch

(c) Length of pipe, None ft.; size at intake, in.; size at 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

Township North or South	Range E. or W. of Willamette Meridian	Section	Forty-acre Tract	Number Acres To Be Irrigated
17 S	11 E	36	NE $\frac{1}{4}$ NW $\frac{1}{4}$	40 Acres
17S	11 E	36	NW $\frac{1}{4}$ NW $\frac{1}{4}$	11.0 Acres
			TOTAL	51.0 Acres

(If more space required, attach separate sheet)

(a) Character of soil Volcanic ash. Pumice sand  
 (b) Kind of crops raised Pasture grasses

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? (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

Municipal or Domestic Supply—

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, \$ 4000.00
- 12. Construction work will begin on or before Nov. 1 or immediately upon approval.
- 13. Construction work will be completed on or before March 1, 1975
- 14. The water will be completely applied to the proposed use on or before Spring 1975

William E. Miller  
(Signature of applicant)

Remarks: This is a wide shallow canal

The reasons are:

- 1. It is proposed to use a 955 Caterpillar tractor for the excavation; it is equipped with a 7.0' bucket; hence a bottom width of 7.0 ft.
- 2. The wide, shallow section will reduce velocity and hence erosion on the steeper slopes.

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 0.73 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 City of Bend waste water canal and North Ridge Reservoir to be constructed under application No. R 52422, permit No. R6893.

The use to which this water is to be applied is irrigation.

If for irrigation, this appropriation shall be limited to 1/70th of one cubic foot per second or its equivalent for each acre irrigated from direct flow and shall be further limited to a diversion of not to exceed 2 1/2 acre feet per acre for each acre irrigated during the irrigation season of each year from direct flow and storage from reservoir to be constructed under permit No. R6893, and shall also be limited to the water available at the proposed point of diversion, and shall not carry with it the right to compel the continuance of the waste water,

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 September 19, 1974

Actual construction work shall begin on or before April 3, 1979 and shall

thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 1980. Extended to Oct. 1, 1981. Extended to Oct. 1, 1982. Extended to Oct. 1, 1983. Extended to Oct. 1, 1985. Complete application of the water to the proposed use shall be made on or before October 1, 1981. Extended to Oct. 1, 1982. Extended to Oct. 1, 1983. Extended to Oct. 1, 1985. WITNESS my hand this 3rd day of April, 1978.

*James E. Larson*  
Water Resources Director

Application No. 52422  
Permit No. 42782

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 19th day of September, 1974, at 11:15 o'clock A. M.

Returned to applicant:

Approved:

Recorded in book No. of Permits on page

STATE ENGINEER  
Drainage Basin No. 5 page 32

Fees