

\* APPLICATION FOR A PERMIT

CERTIFICATE NO. 24395

To appropriate the Public Waters of the State of Oregon

I, J. D. Smullin (Name of applicant) of Mt. Hood (Post office), County of Hood River 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

1. The source of the proposed appropriation is East Ford of Hood River (Name of stream), a tributary of Hood River

2. The amount of water which the applicant intends to apply to beneficial use is 0.42 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 Irrigation on 33 acres of apples and pears (Irrigation, power, mining, manufacturing, domestic supplies, etc.)

4. The point of diversion is located ft. and 450 ft. E from the corner of Common to Section 4, 5, 8, 9, Twp. 1 S Rg. 10 E. W. M. (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 SW 1/4 of Sec. 4, Tp. 1 S R. 10 E, W. M., in the county of Hood River (Give smallest legal subdivision) (N. or S.) (E. or W.)

5. The Pipe line to be 2900 ft. (Main ditch, canal or pipe line) (Miles or feet) in length, terminating in the SE 1/4 SW 1/4 of Sec. 4, Tp. 1 S R. 10 E, W. M., the proposed location being shown throughout on the accompanying map. (Smallest legal subdivision) (N. or S.) (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) No dam required

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

(c) If water is to be pumped give general description 1 1/2 in. centrifugal pump (Size and type of pump) powered by a 15 H. P. electric motor. Total head including head necessary to operate sprinklers at 20 lbs. is 260 ft. (Size and type of engine or motor to be used, total head water to be lifted, etc.)

\* A different form of application is provided where storage works are contemplated.

\*\* Applications for permits to appropriate water for the generation of electricity, with the exception of municipalities, must be made to the Hydro-electric 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) ..... 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, 2900 ft.; size at intake, 6 in.; size at 2900 ft. from intake 4 in.; size at place of use 4 in.; difference in elevation between intake and place of use, 185 ft. Is grade uniform? no Estimated capacity, .2785 sec. ft.

8. Location of area to be irrigated, or place of use .....

Township	Range	Section	Forty-acre Tract	Number Acres To Be Irrigated
1 S	10 E	4	SW $\frac{1}{4}$ SW $\frac{1}{4}$	21
1 S	10 E	4	SE $\frac{1}{4}$ SW $\frac{1}{4}$	8
1 S	10 E	9	NW $\frac{1}{4}$ NW $\frac{1}{4}$	4
				33
Property on which water is to be used is a part of that more explicitly described by applicant as follows:				
The Northwest Quarter of the Southwest Quarter and the West half of the Northwest Quarter of Section 9, and the Southwest Quarter of the Southwest Quarter, of Section 4, all in Township 1, South of Range 10 East of the Willamette Meridian, in Hood River County, Oregon.				
The Southeast Quarter of the Southwest Quarter of Section 4, Township 1, South of Range 10 East of the Willamette Meridian, containing 40 acres, more or less.				

(If more space required, attach separate sheet)

(a) Character of soil ..... Loam

(b) Kind of crops raised ..... Apples and pears

**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, \$ 3200.....
- 12. Construction work will begin on or before March 1, 1945.....
- 13. Construction work will be completed on or before June 1, 1945.....
- 14. The water will be completely applied to the proposed use on or before June 15, 1945.....

(Sgd) J. D. Smullin  
(Signature of applicant)  
Mt. Hood, Oregon  
.....  
J. D. Smullin

Signed in the presence of us as witnesses:

- (1) .....  
(Name) ..... (Address of witness) .....
- (2) .....  
(Name) ..... (Address of witness) .....

Remarks: The water being applied for in this application will be used to irrigate by sprinkling 33 acres of heavy bearing apples and pears. These trees have been kept in a vigorous condition by applications of commercial fertilizer and large quantities of sheep manure, this being unobtainable under war conditions. Soil tests now show that this soil is depleted in humus and that humus can only be added in the form of cover or green manure crops. In order to grow a green manure in an orchard, supplemental irrigation is required. By installing this irrigation system, I will be able to grow this soil building crop and add soil moisture for increased size and yield of fruit.

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 ....., 194.....

WITNESS my hand this ..... day of ....., 194.....

STATE ENGINEER

Application No. 20701

Permit No. 16224

**PERMIT**  
TO APPROPRIATE THE PUBLIC  
WATERS OF THE STATE  
OF OREGON

Division No. District No.

This instrument was first received in the  
office of the State Engineer at Salem, Oregon  
on the 21st day of February  
1945, at 1:00 o'clock P.M.

Returned to applicant:

Corrected application received:

Approved:

June 15, 1945

Recorded in book No. 40 of

Permits on page 16224

Chas. E. Stricklin

STATE ENGINEER

Drainage Basin No. 4 Page 21

Fees Paid \$9.95

STATE OF OREGON

PERMIT

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 0.42 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 East Fork of Hood River

The use to which this water is to be applied is Irrigation

If for irrigation, this appropriation shall be limited to 1/80th of one cubic foot per  
second or its equivalent for each acre irrigated and shall be further limited to a  
diversion of not to exceed 3 acre feet per acre for each acre irrigated during the  
irrigation season of each year,

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 February 21, 1945

Actual construction work shall begin on or before June 15, 1946 and shall  
thereafter be prosecuted with reasonable diligence and be completed on or before  
October 1, 1947

Complete application of the water to the proposed use shall be made on or before

October 1, 1948

WITNESS my hand this 15th day of June, 1945.

CHAS. E. STRICKLIN

STATE ENGINEER