

**\* APPLICATION FOR PERMIT**

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

By THE UNITED STATES OF AMERICA, represented by R. J. Newell, acting in its behalf,  
(Name of applicant)  
 of whose address is P. O. Box 937, Boise, County of Ada,  
(Mailing address)  
 State of Idaho does ~~it~~ 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 Crooked River  
(Name of stream)  
 \_\_\_\_\_, a tributary of Deschutes River

2. The amount of water which the applicant intends to apply to beneficial use is 175  
 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 power.  
(Irrigation, power, mining, manufacturing, domestic supplies, etc.)

4. The point of diversion is located 590 ft. S. and 165 ft. E. from the NE  
(N. or S.) (E. or W.)  
 corner of the SW $\frac{1}{4}$ SW $\frac{1}{4}$  of Section 11,  
(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 $\frac{1}{4}$ SW $\frac{1}{4}$  of Sec. 11, Tp. 12 S.,  
(Give smallest legal subdivision) (N. or S.)  
 R. 12 E., W. M., in the county of Jefferson  
(E. or W.)

5. The canal to be 1750 feet  
(Main ditch, canal or pipe line) (Miles or feet)  
 in length, terminating in the NE $\frac{1}{4}$ SW $\frac{1}{4}$  of Sec. 11, Tp. 12 S.,  
(Smallest legal subdivision) (N. or S.)  
 R. 12 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 12 feet, length on top 135 feet, length at bottom 40 feet; material to be used and character of construction loose rock, with wasteway  
(Loose rock, concrete, masonry,  
 over and through dam (see remarks).  
rock and brush, timber crib, etc., wasteway over or around dam)

(b) Description of headgate Concrete sill, abutments, and piers, with timber deck,  
(Timber, concrete, etc., number and size of openings)  
timber slide gates, timber gate hoist frame. Six openings 5' 10" wide by 13' 0" high.

(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) 47.5 feet; width on bottom 47.5 feet; depth of water 8.0 feet; grade 0.333 (average) feet fall per one thousand feet.

(b) At 0.27 miles from headgate: width on top (at water line) 60 feet; width on bottom 32 feet; depth of water 9 feet; grade 0.08 feet fall per one thousand feet. (See Remarks)

(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

Table with 5 columns: Township, Range, Section, Forty-acre Tract, Number Acres To Be Irrigated. The table is mostly empty with dotted lines for text entry.

(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 2300 (see remarks below) theoretical horsepower.

(b) Quantity of water to be used for power 175 sec. ft.

(c) Total fall to be utilized 36 feet. (Head)

(d) The nature of the works by means of which the power is to be developed A single runner, fixed blade propellor-type vertical turbine, direct-connected to an electric generator.

(e) Such works to be located in NE 1/4 SW 1/4 of Sec. 11 (Legal Subdivision)

Tp. 12 S. (No. N. or S.), R. 12 E. (No. E. or W.), W. M.

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

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

NE 1/4 SW 1/4, Sec. 11, Tp. 12 S., R. 12 E., W. M. (No. N. or S.) (No. E. or W.)

(h) The use to which power is to be applied is irrigation and drainage pumping, light, heat, commercial.

(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, \$ 420,000.....
- 12. Construction work ~~will begin on or before~~ has begun.....
- 13. Construction work will be completed on or before January 1, 1952.....
- 14. The water will be completely applied to the proposed use on or before January 1, 1952.....

THE UNITED STATES OF AMERICA  
By (Sgd) R. J. Newell  
(Signature of applicant)  
Regional Director, Bureau of Reclamation

Remarks: Diversion Works: 6(a) It is contemplated that the present dam will be improved by blanketing the upstream face and protecting downstream slope with a concrete grillage.

Canal System 7(a) and (b) Canal varies greatly in cross-section and bottom grade between headgate and forebay of Power Plant. 7(a) gives cross-section at headgate. Slope is average water surface gradient of upper two-thirds of canal. 7(b) is average properties of canal section just above forebay.

Power purposes: 9(a) Horsepower shown is total to be developed at Government owned unit, using the 175 sec. ft. applied for hereby, plus 575 sec. ft. assigned to the Government by the Pacific Power and Light Co. If horsepower to be developed by the increase of 175 sec. ft. only is intended, 9(a) should be stated as 400.

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.....

Application No. 22449

Permit No. 17809

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 17th day of April, 1947, at 8:30 o'clock A.M.

Returned to applicant:

Corrected application received:

Approved:

July 3, 1947

Recorded in book No. 43 of Permits on page 17809

CHAS. E. STRICKLIN STATE ENGINEER

Drainage Basin No. 5 Page 10 A

Fees Paid \$91.60

PERMIT

STATE OF OREGON, } ss County of Marion,

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 175.0 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 Crooked River

The use to which this water is to be applied is development of 715.9 theoretical horsepower

If for irrigation, this appropriation shall be limited to of one cubic foot per second

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 April 17, 1947

Actual construction work shall begin on or before July 3, 1948 and shall thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 1949

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

October 1, 1950

WITNESS my hand this 3rd day of July, 1947

CHAS. E. STRICKLIN STATE ENGINEER