

* Reservoir Permit No. R-726

Application for a Permit to Construct a Reservoir and to Store for Beneficial Use the Unappropriated Waters of the State of Oregon

I, United States of America, by C. H. Spencer, its Agent, address c/o District Counsel, U.S. Bureau of Reclamation, 603 Post Office Bldg, Portland, Oregon

State of Oregon, do hereby make application for a permit to construct the following described reservoir and to store the unappropriated waters of the State of Oregon, subject to existing rights.

If the applicant is a corporation, give date and place of incorporation

1. The name of the proposed reservoir is Unity Reservoir

2. The name of the stream from which the reservoir is to be filled and the appropriation made is Burnt River; and Job Creek, South Fork, Middle Fork, North Fork, and West Fork of North Fork all tributaries of Burnt River, Oregon, which is a tributary of Snake River.

3. The amount of water to be stored is Fifty thousand (50,000) acre feet.

4. The use to be made of the impounded water is irrigation and domestic supply and supplemental irrigation and manufacturing and industrial uses.

5. The location of the proposed reservoir will be in Sections 17, 18, 19, 20, 21, 28, 29 and 30, T. 12 S., R. 37 E., W.M.

(a) State whether situated in channel of running stream and give character of material at outlet the Situated in channel of running stream. Material at/outlet is tuff breccia on the south abutment and intrusive basalt on the north abutment with the abutments and river channel overlain with alluvial fill.

(b) If not in channel of running stream, state how it is to be filled. If through a feed canal, give name and dimensions

6. The dam will be located in SW 1/4 SE 1/4, Sec. 21, Tp. 12 South, R. 37 East, W. M. It will be 67 feet in height.

* A different form of application should be used for the appropriation of stored water to beneficial use. Such forms can be secured without charge, together with instructions, by addressing the State Engineer, Salem, Oregon.

having a length on top of 670 feet; length on bottom 350
 feet; width on top 30 feet slope of front or water side 3:1
(Feet horizontal to 1 vertical)
 slope on back 2:1; height of dam above water line when full
(Feet horizontal to 1 vertical)
8 feet.

7. The construction of dam, the material of which it is to be built, and method of protection from waves are as follows: The dam is to be a rolled earthfill type having a three-foot layer of rock riprap on the upstream slope as a protection against wave action.

8. The location of wasteway with dimensions are as follows: The wasteway is located around the south abutment of the dam. It is to be constructed of concrete and is 55.5 feet wide and 30 feet deep at the crest having two 24' x 16' radial gates for controlling the flow of water.
(State whether over or around the dam)

9. The location of outlet from the proposed reservoir, with character of construction and dimensions, are as follows: The outlet is to be constructed around the dam and through the south abutment. It is to be a circular concrete lined tunnel 7-1/2 feet inside diameter. The flow of water is to be controlled by four 2'-9" x 2'-9" high pressure slide gates.
(State whether through or around the proposed dam)

10. The area submerged by the proposed reservoir, when full, will be 910 acres, with a maximum depth of water of 59 feet; and approximate mean depth of water 40 feet.

11. The estimated cost of the proposed work is \$ 600,000

12. Construction work will begin on or before September 1, 1936

13. Construction work will be completed on or before June 29, 1938

Duplicate maps of the proposed reservoir and storage works, prepared in accordance with the rules of the State Water Board, accompany this application.

UNITED STATES OF AMERICA
(Name of applicant)

C. H. Spencer, its Agent

Signed in the presence of us as witnesses:

(1) R. D. Burnett, Unity, Oregon
(Name) (Address of witness)

(2) Ralph Geibel, Unity, Oregon
(Name) (Address of witness)

Application No. 15751

Reservoir Permit No. R-726

PERMIT

To construct a reservoir and store for beneficial use the unappropriated waters of the State of Oregon.

District No.

This instrument was first received in the office of the State Engineer at Salem, Oregon, on the 18th day of March, 1935, at 8:00 o'clock A. M.

Returned to applicant for correction:

Corrected application received:

Approved:

September 18, 1939

Recorded in Book No. 3 of Reservoirs, on Page 726

CHAS. E. STRICKLIN

State Engineer

Form 103a-500-7-37

STATE PRINTING DEPT.

9 - 219 Fees paid: \$132.50
220
221