

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, acting through its agent, C. C. Ketchum (Name of Applicant)

of Vale (Postoffice), County of Malheur

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 Agency Valley Reservoir

2. The name of the stream from which the reservoir is to be filled and the appropriation made is North Fork Malheur River

tributary of Snake River

3. The amount of water to be stored is 120,000 acre feet.

4. The use to be made of the impounded water is irrigation and domestic supply (Irrigation, power, domestic supply, etc.)

5. The location of the proposed reservoir will be in Sec. 33 & 34 T. 18 S., R. 37 E.W.M., and Sections 1, 2, 3, 4, 9, 10, 11, 14, 15, 16, 22 & 23, T. 19 S., R. 37 E.W.M. (Give sections or townships to be submerged)

(a) State whether situated in channel of running stream and give character of material at outlet Reservoir is situated in channel of running stream, and the material at outlet is of basalt and lava covered with a layer of gravel and boulders and a surface layer of clay soil.

(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 (S 1/2 SE 1/4) South Half of Southeast Quarter, Sec. 15 Tp. 19 S, R. 37 E, W. M. It will be 94 feet in height, (No. N. or S.) (No. E. or W.)

* 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 1700 feet; length on bottom 100 feet; width on top 10 feet slope of front or water side 3:1 (Feet horizontal to 1 vertical) slope on back 2:1 (Feet horizontal to 1 vertical); height of dam above water line when full 12 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 embankment will be of sand, gravel and clay thoroughly compacted and protected with 3 feet of dumped riprap on the upstream side. On the downstream slope of the compacted embankment which is on a 1 1/2:1 slope, is laid a rock, gravel and boulder fill, ten feet at the top and sloping to the bottom with a 2:1 slope. A outoff trench ten feet wide, with a 1 1/2:1 side slope is provided to bedrock at the bottom of which is a concrete cutoff wall five feet high, and the trench is puddle backfilled. The top of the embankment is widened to 25 feet by means of a parapet wall and provides a roadway for the County road.

8. The location of wasteway with dimensions are as follows: An uncontrolled side channel spillway with a 300 foot crest at elevation 3340 is provided through the right abutment, the end of the embankment being supported by a buttressed retaining wall. The slopes of the channel are 1 1/2:1, and the base 12 feet. The capacity is 10,000 second-feet with 4.09 feet depth on the crest. The road crosses channel on a 70-foot span pony truss steel bridge.

9. The location of outlet from the proposed reservoir, with character of construction and dimensions, are as follows: A 10 foot diameter horseshoe tunnel with 18" concrete lining, is located thru the west hillside. Two 36 x 54 hydraulically-operated slide gates are installed in a gate chamber in the tunnel. Two 40-inch riveted steel pipes are carried from the emergency gates to the valve house, where flow is controlled by two 36-inch needle valves discharging into a stilling pool, common also to the spillway.

10. The area submerged by the proposed reservoir, when full, will be 1900 acres, with a maximum depth of water of 92 feet; and approximate mean depth of water 55 feet.

11. The estimated cost of the proposed work is \$ 1,100,000.00

12. Construction work will begin on or before July 1, 1932

13. Construction work will be completed on or before Nov. 1, 1934

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)
By C. C. Ketchum, Agent
Superintendent - Vale Project, Oregon

Signed in the presence of us as witnesses:

(1) C. M. _____, Vale, Oregon
(Name) (Address of witness)

(2) M. E. Walsh, Vale, Oregon
(Name) (Address of witness)

Remarks:

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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 correction or completion as follows:

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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.

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 the following limitations and conditions:

The right herein granted is limited to the storage of water from the North Fork of the Malheur River for irrigation and domestic.

The right hereunder shall be limited to the storage of 120,000 acre feet.

The priority date of this permit is December 16, 1931

Actual construction work shall begin on or before March 6, 1935
and shall thereafter be prosecuted with reasonable diligence and be completed on or before
October 1, 1936

WITNESS my hand this 6th day of March, 1934 ..

CHAS. E. STRICKLIN
.....
State Engineer.

Application No. 14445

Reservoir Permit No. 671

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 16th day
of December, 1931,
at 8:00 o'clock A. M.*

Returned to applicant for correction:

Corrected application received:

Approved:

March 6, 1934

*Recorded in Book No. 3 of
Reservoirs, on Page 671*

CHAS. E. STRICKLIN

State Engineer.

10-263

Fees paid \$265.00