

* Reservoir Permit No. **R 4875**

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

I, M. C. and Pearl Helms
(Name of Applicant)

of Rt. 1, Box 345, Jefferson
(Mailing Address)

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 Helms' Reservoir

2. The name of the stream from which the reservoir is to be filled and the appropriation made is unnamed stream

tributary of South Santiam River

3. The amount of water to be stored is 91.0 acre feet.

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

5. The location of the proposed reservoir will be in Sec. 20 17
(Give sections or townships to be submerged)

Tp. 10 S, R. 2 W, W.M., in the county of Linn

(a) State whether situated in channel of running stream and give character of material at outlet
earth filled ~~an~~ with concrete spillway around North end of dam.

(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 SW¹/₄ of SE¹/₄ and SE¹/₄ of SW¹/₄, Sec. 17
(Smallest legal subdivision)

Tp. 10 S, R. 2 W, W.M. The maximum height will be 22 25 feet above stream bed or ground

surface on center line of dam. The length on top will be 450 feet; length on

bottom 190 feet; width on top 12 feet; slope on front

or water side 3 to 1; slope on back 2 1/2 to 1; height of dam above water line
(Feet horizontal to 1 vertical) (Feet horizontal to 1 vertical)

when full 8 4 feet.

* 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.

Handwritten: P.R., R. 3-31-67

7. The construction of dam, the material of which it is to be built, and method of protection from waves are as follows: Earth filled - no wave problem as prevailing wind comes from southwest. If a problem does develop the face of the dam will be rocked.

8. The location of wasteway with dimensions are as follows: Wasteway at North end of dam - 24 feet wide and 2 1/2 feet deep - concrete construction.

9. The location of outlet from the proposed reservoir, with character of construction and dimensions, are as follows: 10 inch Armco No. 50-10-C or equal. Slide gate in concrete box with control by inclined stem on face of dam.

10. The area submerged by the proposed reservoir, when full, will be 13.7 acres, with a maximum depth of water of 17 feet; and approximate mean depth of water 6.55 feet.

11. The estimated cost of the proposed work is \$12,000.00

12. Construction work will begin on or before March 9, 1968

13. Construction work will be completed on or before October 1, 1969

M.C. and Pearl Helms (Signature of applicant)
D.M.C. Helms

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

Remarks:

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 construction of Helms Reservoir and storage of water from an unnamed stream to be appropriated under application No. 43381, permit No. 32048 for irrigation

The right hereunder shall be limited to the storage of 91.0 acre feet.

The priority date of this permit is March 16, 1967

Actual construction work shall begin on or before June 5, 1968 and shall thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 1969.

WITNESS my hand this 5th day of June, 1967.

Richard A. Heller

STATE ENGINEER

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Application No. R 43380

Reservoir Permit No. R 4875

PERMIT

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

This instrument was first received in the office of the State Engineer at Salem, Oregon, on the 16 day of March, 1967, at 9:57 o'clock A.M.

Returned to applicant:

Approved:

June 5, 1967

Recorded in Book No. _____ of

Reservoirs, on Page R 4875

CHRIS. I. WHEELER
State Engineer

Drainage Basin No. 2 page 421

Fees \$20.00