

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

I, John F. Walchli (Name of Applicant)

of Route 3, Box 342 (Mailing address), Hermiston (City)

State of Oregon, 97838 (Zip Code), 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 Walchli Reservoir

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

tributary of Columbia River

3. The amount of water to be stored is 180.5 181.5 <sup>14r 1/13/77</sup> acre feet.

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

5. The location of the proposed reservoir will be in Sec. 3 and 4 (Give sections or townships to be submerged)

Tp. 4 N, R. 29 E., W.M., in the county of Umatilla

(a) State whether situated in channel of running stream and give character of material at outlet dam will be located in channel of unnamed stream. Material at outlet is glacial fluvial till.

(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 E 1/2 NW 1/4 (Smallest legal subdivision), Sec. 4

Tp. 4N, R. 29 E., W.M. The maximum height will be 30 feet above stream bed or ground <sup>14r 1/13/77</sup>

surface on center line of dam. The length on top will be 325 4/6 feet; length on

bottom 100 feet; width on top 24 feet; slope on front

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

when full 5 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 97310.

7. The construction of dam, the material of which it is to be built, and method of protection from waves are as follows: dam shall be zoned rock fill dam with a sandy silt core ("ML" soils classification) surrounded by sand and gravel filters leading to a toe drain on downstream side of embankment. Fetch distance is less than 1/2 mile. Wave damage is anticipated to be minimal.

8. The location of wasteway with dimensions are as follows: side channel spillway (State whether over or around the dam) to handle approximately 500 cfs located on North abutment of the dam with channel dimensions - 16 feet bottom width 1/2 on 1 side slopes.

9. The location of outlet from the proposed reservoir, with character of construction and dimensions, are as follows: a drop inlet spillway located near the center of the dam shall be connected to a 16" steel conduit drain which will be capable of passing approximately 15 cfs. (All dams across natural stream channels must be provided with an outlet conduit, of such capacity and location to pass the normal flow of the stream at any time)

10. The area submerged by the proposed reservoir, when full, will be 26.25 acres, with a maximum depth of water of 25 feet; and approximate mean depth of water 7.26 feet. (Handwritten: 14/11/77)

11. The estimated cost of the proposed work is \$ 150,000.00

12. Construction work will begin on or before October 1, 1977

13. Construction work will be completed on or before October 1, 1978

John J. Walchli (Signature of applicant)

STATE OF OREGON, } ss. County of Marion, }

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

RECEIVED

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 Walchi Reservoir and storage of water from unnamed stream, to be appropriated under application No. 54934, permit No. 41516 for irrigation and supplemental irrigation, and the dam shall be constructed under the supervision of a registered professional engineer.

The right hereunder shall be limited to the storage of 181.5 acre feet.

The priority date of this permit is November 8, 1976

Actual construction work shall begin on or before June 30, 1978 and shall thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 1979

WITNESS my hand this 30th day of June, 1977

*James C. Larson*  
Water Resources Director STATE ENGINEER

Application No. *R-54933*

Reservoir Permit No. *R 6595*

**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 *8th* day of *November*, 19*76*, at *9:24* o'clock *A.* M.

Returned to applicant:

Approved:

Recorded in Book No. .... of

Reservoirs, on Page .....

State Engineer

Drainage Basin No. *7* page *2E*

Fees .....