

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

I, James R. Macken (Name of Applicant)

of Rt. 1, Box 338 (Mailing address), West Linn, Oregon (City)

State of Oregon, 97068 (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 N/A

1. The name of the proposed reservoir is Macken (if a name is needed)

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

tributary of Taulatin River

3. The amount of water to be stored is 31,000 gal ~~acre feet~~

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

5. The location of the proposed reservoir will be in Sec. 33
(Give sections or townships to be submerged)

Tp. 2 S, R. 1 E, W.M., in the county of Clackamas (see attached)

(a) State whether situated in channel of running stream and give character of material at outlet

I proposed to divert the stream 12 feet in from the old channel into a natural basin. The stream flow will be returned to the natural channel 44 feet downstream.
(attached) SEE DRAWING I

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

As above. The stream will be diverted 12 feet in from the old channel into a natural basin. The stream flow will be returned to the natural channel 44 feet downstream.

6. The dam will be located in See explanation attached NE 1/4 SE 1/4 Sec. 33
(Smallest legal subdivision)

Tp. 2 S, R. 1 E, W.M. The maximum height will be 2.5 feet above stream bed or ground surface on center line of dam. The length on top will be 100 feet; length on bottom 66' deepest area feet; width on top 30' widest point feet; slope on front or water side 1 foot; slope on back 1.75 feet; height of dam above water line when full 1 foot feet.
(Feet horizontal to 1 vertical) (Feet horizontal to 1 vertical)

* 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: The dam will be 2.5 feet in height and 9 feet long. A sloping dirt and rock fill extending 6 to the upstream toe. The impounded water will lay in a natural basin. The basin will be dug deeper to accommodate the necessary gallonage. The dam itself will be 2.5 feet in height of which the water will not reach higher than 1.5 feet on the dam. The impoundment is of such a small size and

(SEE Remarks)

8. The location of wasteway with dimensions are as follows: If my understanding is correct the wasteway and the spillway will be the same on this dam. The spillway will be the left 4 feet of the dam (upstream view).

(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: It is proposed that the spillway will be the left 4 feet of the dam (upstream view). The spillway will be 1 foot lower than the high point of the dam allowing the water to drop 1 foot to the natural stream bed of rock.

(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)

(See Remarks attached)

10. The area submerged by the proposed reservoir, when full, will be ~~5.094~~ 0.033 acres, with a maximum depth of water of 4 feet; and approximate mean depth of water ~~3.75~~ 3 feet. L.A. July 27, 1972

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

12. Construction work will begin on or before Immediately after approval

13. Construction work will be completed on or before July 22, 1972

[Handwritten Signature]
(Signature of applicant)

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 and completion

In order to retain its priority, this application must be returned to the State Engineer, with corrections on or before July 17, 1972.

WITNESS my hand this 17th day of May, 1972.

CHRIS L. WHEELER

STATE ENGINEER

By

[Handwritten Signature]
Wayne J. Overcash

Wayne J. Overcash

ASSISTANT

RECEIVED
JUN 3 1972
STATE ENGINEER
ALEX. OREGON

Remarks: #4 The basic use for this pond will be for Fire Protection with a secondary use of watering a small garden. I have two pumps. One of the pumps is a 1HP portable utility pump capable of pumping 1730 gal. per hour. The other pump is a 3/4HP portable utility pump capable of pumping 1470 gal. per hour. The one (1HP) pump will be maintained at the pond and the other at the stock tank 150 feet up the hill near the barn.

However, the rea purpose of the pond is to be able, in case of a House fire, to offer 30,000 gal. of water to the Fire Department to help cover my Home, or a neighbors should the nee arise. Our home is about 6 miles from the Rural Fire Department servicing this district and a 1 1/4 miles from the nearest hydrant.

#5 The reservoir is located 1690 North thence West 170 feet of the S.E. corner of Section 33, Township 2S and Range 1E of Clackmas county.

#5a The material at he outlet is gravel and rock.

#6 The dam is located 1690 feet North thencø West 170 feet of the S.E. corner of Section 33, Township 2S, and Range 1E within the Bosky Dell Subdivision of the Saffaren's D.L.C.

#7 since it is in a natural basin area I do not feel there can be any danger from breakage or waves.

#8 Ther will be two 1 3/4 inch pipes (see example drawing) extending thru the dam and fill area for drainage purpose should the need arise. Should during high water the water starts to backup, or the spillway is not able to handle the flow, the overflow will automatically revert back to the old channel. This will happen by setting the spillway at 1 1/2 to 2 inches lower then the natural stream bed at the original diversion point of the channel. In addition a gate (4 x 12 x 5+) will be placed at the diversion point diverting the stream into the old channel at any time it is deemed n necessary.

ATTACHED MAPS
DRAWINGS

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 Macken Reservoir and the storage of water from Fields Stream to be appropriated under application No. 48939, permit No. 36043, for fire protection

The right hereunder shall be limited to the storage of 31,000 gallons

The priority date of this permit is April 19, 1972

Actual construction work shall begin on or before August 1, 1973 and shall thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 1974.

WITNESS my hand this 1st day of August, 1972.

STATE ENGINEER

Application No. *F-49171*

Reservoir Permit No. **R 5830**

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 *19th* day of *April*, 19*72*, at *8* o'clock *P.* M.

Returned to applicant:

Approved:

August 1, 1972

Recorded in Book No. _____ of

Reservoirs, on Page **R 5830**

CHRIS L. WHEELER
State Engineer

Drainage Basin No. *2* page *52814*

Fees *100.00*