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STATE ENGINEER
SALEM, OREGON

R 5756

* Reservoir Permit No.

CERTIFICATE NO. 44238

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

I, Roy D. Cook
(Name of Applicant)

of Route 2, Box 418 Cornelius
(Mailing Address)

State of Oregon 97113, 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 Cook Reservoir

(Permit Nos. R-4735, 31261, R-5144, 33191)

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

tributary of Tualatin River

3. The amount of water to be stored is an additional 6.4 acre feet.

4. The use to be made of the impounded water is supplemental irrigation

(Irrigation, power, domestic supply, etc.)

5. The location of the proposed reservoir will be in Sec. 28

(Give sections or townships to be submerged)

Tp. 1S, R. 3W, W.M., in the county of Washington

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

(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 SE 1/4 of the NW 1/4, Sec. 28

(Smallest legal subdivision)

Tp. 1S, R. 3W, W.M. The maximum height will be 27.5 feet above stream bed or ground

surface on center line of dam. The length on top will be 160 feet; length on

bottom 75 feet; width on top 12 feet; slope on front

or water side 3:1; slope on back 2:1; height of dam above water line

(Feet horizontal to 1 vertical)

(Feet horizontal to 1 vertical)

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: Compacted earth using clay from adjacent suitable areas.

8. The location of wasteway with dimensions are as follows: channel around Northerly
(State whether over or around the dam)
end of dam with 30 feet wide bottom and 1 1/2:1 side slopes.

9. The location of outlet from the proposed reservoir, with character of construction and dimensions, are as follows: 24" diameter C.M.P. trickle tube riser with 15" outlet conduit
(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)
and 12" gate valve on 12" C.M.P. upstream of riser

10. The area submerged by the proposed reservoir, when full, will be 2.7 acres, with a maximum depth of water of 23.0 feet; and approximate mean depth of water 5.1 feet.

11. The estimated cost of the proposed work is \$ \$2500.00

12. Construction work will begin on or before May 1972

13. Construction work will be completed on or before June 1972

Ray D. Cook
(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 March 21, 19 72.

WITNESS my hand this 21st day of January, 19 72.

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SALEM, OREGON

CHRIS L. WHEELER
STATE ENGINEER

By Wayne J. Overcash
ASSISTANT

Remarks: This application is made to cover increased storage capacity in Cook Reservoir which will be created by increasing the height of the dam from a crest elevation of 122 feet to 127 feet and thereby increasing the water surface elevation from 117 feet to 122 feet.

The existing structure was completed under Permit Nos. R-4735 and R-5144. Permits for the appropriation of stored water are Nos. 31261 and 33191.

The existing structure and reservoir is to be revised accordingly.

	<u>Existing</u>	<u>Proposed</u>
(3)	7.25 acre-feet storage	13.65 acre-feet storage
(6)	22.5 feet maximum height	27.5 feet maximum height
(10)	1.84 acres submerged	2.7 acres submerged
	18.0 feet maximum depth	23.0 feet maximum depth
	3.9 feet mean depth	5.1 feet mean depth

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 enlargement of Cook Reservoir and storage of water from an unnamed stream to be appropriated under application No. 48899, permit No. 35724, for supplemental irrigation

The right hereunder shall be limited to the storage of 6.4 acre feet.

The priority date of this permit is December 20, 1971

Actual construction work shall begin on or before March 16, 1973 and shall thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 1973.

WITNESS my hand this 16th day of March, 1972.

Chris L. Wheeler
STATE ENGINEER

Handwritten initials and number 9.

Application No. R-48898
Reservoir Permit No. R 5756

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 20th day of December, 1971, at 5:00 o'clock A.M.

Returned to applicant: _____

Approved: March 16, 1972

Recorded in Book No. _____ of Reservoirs, on Page R-5756.

CHRIS L. WHEELER
State Engineer

Drainage Basin No. 2 page 62B17
Fees 20.00