

RECEIVED

AUG 16 1974  
STATE ENGINEER  
SALEM, OREGON

"CERTIFICATE NO. 55962"  
\* Reservoir Permit No. R 6127

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

I, Fred F. and Kenneth H. Van Raden  
(Name of Applicant)

of Rt. 1 Box 53 C, Hillsboro  
(Mailing address) (City)

State of Oregon, 97123, do hereby make application for a permit to construct the  
(Zip Code)  
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 Alderwood Lake

2. The name of the stream from which the reservoir is to be filled and the appropriation made is  
Rock Creek  
tributary of Tualatin River

3. The amount of water to be stored is 19.33 (see remarks) acre feet.

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

5. The location of the proposed reservoir will be in Sec. 26 and 27  
(Give sections or townships to be submerged)

Tp. 2 N, R. 2 W, W.M., in the county of Multnomah and Washington

(a) State whether situated in channel of running stream and give character of material at outlet  
Situated in channel of running stream. Dam will be earthfill with  
concrete chute spillway and four feet of flashboards in spillway.

(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 the SW<sup>1</sup>/<sub>4</sub> of the NW<sup>1</sup>/<sub>4</sub>, Sec. 26,  
(Smallest legal subdivision)  
Tp. 2 N, R. 2 W, W.M. The maximum height will be 27 feet above stream bed or ground surface on center line of dam. The length on top will be 350 feet; length on bottom 350 feet; width on top 12 feet; slope on front or water side 3:1; slope on back 2 1/2:1; height of dam above water line when full 4 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 an earthfill structure made of compacted clay.

The embankment will be planted to grass as protection against waves.

8. The location of wasteway with dimensions are as follows: A 20 ft. wide concrete (State whether over or around the dam)

chute spillway around the left abutment of the dam.

9. The location of outlet from the proposed reservoir, with character of construction and dimensions, are as follows: The outlet from the reservoir will be an 8 inch CMP outlet.

(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) conduit with concrete inlet box and slidegate at upstream toe to a rock

rip rap plunge pool at downstream toe.

10. The area submerged by the proposed reservoir, when full, will be 10.1 acres, with a maximum depth of water of 20 feet; and approximate mean depth of water 9.5 feet.

11. The estimated cost of the proposed work is \$ 50,000

12. Construction work will begin on or before June 1974

13. Construction work will be completed on or before September 1974

Kenneth H. Van Raden (Signature of applicant) Fred F. Van Raden

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

Remarks: See Permits R-6052 and 37297 in the name of Fred F. and Kenneth H. Van Raden.

The plans for this project have been revised to include a concrete chute spillway instead of an emergency earth spillway. The concrete chute spillway will have flashboards which will increase the amount of stored water from 76.18 acre feet to 95.51 acre feet or an additional 19.33 acre feet.

The additional stored water will be used for recreation purposes.

Irrigation uses are set out in Permits R-6052 and 37297.

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 Alderwood Lake Reservoir under permit No. R-6052 and storage of water from Rock Creek to be appropriated under application No. 52328, Permit 37847 for recreation and the dam shall be constructed under the supervision of a registered professional engineer.

The right hereunder shall be limited to the storage of 19.33 acre feet.

The priority date of this permit is August 16, 1974.

Actual construction work shall begin on or before July 16, 1976 and shall thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 1977.

WITNESS my hand this 16th day of July, 1975.

*James E. ...*  
Water Resources Director STATE ENGINEER

Application No. R-52327

Reservoir Permit No. **R 6127**

## 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 *16th* day of *August*, 19*74*, at *8:00* o'clock *A*. M.

Returned to applicant:

Approved:

July 16, 1975

Recorded in Book No. .... of

Reservoirs, on Page **R 6127**

James E. Sexson

STATE ENGINEER

Drainage Basin No. *2* page *62B18*

Fees *\$ 5.00*