

Application No. R-55842

Permit No. R 6582

**RECEIVED**

MAY - 5 1977

**STATE OF OREGON WATER RESOURCES DEPARTMENT**

**Application for a Permit to Construct a Reservoir**  
SALEM, OREGON

I, E. J. Strandberg  
(Name of Applicant)

of 10700 S.W. Beaverton Hwy, Suite 15, Beaverton  
(Mailing Address) (City)

State of Oregon, 97005, Phone No. \_\_\_\_\_  
(Zip Code)

do hereby make application for a permit to construct the Hartung Lake reservoir  
and to store the unappropriated waters of the State of Oregon, subject to existing rights.

1. The name of the stream from which the reservoir is to be filled is Willow Creek  
tributary to Beaverton Creek

2. If not in channel of a stream, state how it is to be filled.  
\_\_\_\_\_  
\_\_\_\_\_

3. The dam will be located in the N.E.  $\frac{1}{4}$  of the S.W.  $\frac{1}{4}$  of Section 28,  
Township 1N, Range 1W, W. M.

4. The maximum height will be 12 feet above stream bed or ground surface at the  
centerline. The top width will be 10 feet, slope of upstream face 3:1,  
slope of downstream face 2:1, and height of dam above water line when full  
3.75 feet.

5. The dam will be (check one)  earthfill,  concrete,  flashboard,  other.  
If "other", give description: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

6. Give the location, description, and dimensions of the outlet conduit: Approximately in  
the center of dam - 12"  $\phi$  concrete encased with 12"  $\phi$  valve.

(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)

Application No. R-55842

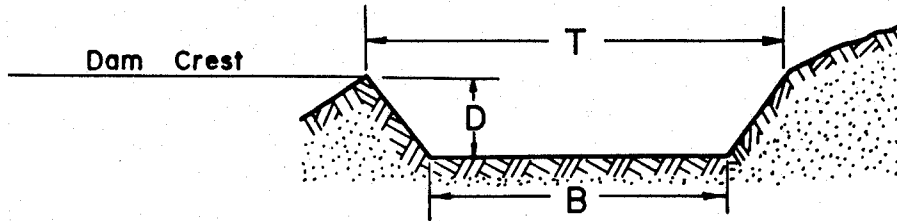
Permit No. R 6582

7. The impounded water will be used for recreation

8. The amount of water to be stored is 30 24.6 <sup>14r 29/177</sup> acre feet.

9. The area submerged by the reservoir, when full, will be 5.9 4.6 acres,  
and the maximum depth of water will be 10 feet.

10. Give the location and dimensions of the spillway drop inlet under dam - 6'φ pipe  
(State whether over or around dam)



The bottom width of the spillway, *B*, will be \_\_\_\_\_ feet.

The top width of the spillway, *T*, will be \_\_\_\_\_ feet.

The distance between the crest of the dam and the crest of the spillway, *D*, will be 3.75 feet.  
(Must be at least 2½ feet)

If any other type of spillway describe and give dimensions:

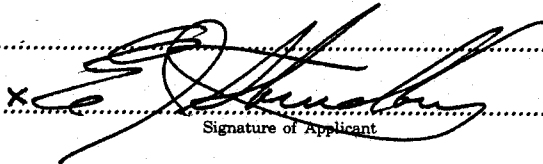
Two emergency spillways, one at each end of dam will handle the PMF.  
Both are grassed lined. Primary spillway is drop inlet with 6'φ  
pipe, design to handle 100-year flood.

11. Construction work will begin on or before June 1977

12. Construction work will be completed and the reservoir filled by Sept. 1977

Remarks: This permit is to revise existing dam and spillway.  
Existing spillway will not handle the 100-year flood. See water  
right no. 29981.

.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....

  
Signature of Applicant

*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 Water Resources Director with corrections on or before....., 19.....*

*WITNESS my hand this ..... day of ....., 19.....*

*Water Resources Director*

*By .....*

*This instrument was first received in the office of the Water Resources Director at Salem, Oregon, on the*  
*5* day of *May*, 19 *77*, at *8* o'clock *A*. M.  
Application No. *R-55842* Permit No. *R 6582*

Application No. R-55842

Permit No. R. 6582

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

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 ...a... reservoir and storage of water from Willow Creek to be appropriated under application No. 55843, permit No. 41552 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 24.6 acre feet.

The priority date of this permit is May 5, 1977

Actual construction work shall begin on or before August 11, 1978 and shall thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 1979

WITNESS my hand this 11th day of August, 1977

James E. Larson Water Resources Director

ok Gary