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APR 24 1972

STATE ENGINEER  
SALEM, OREGON

R 5819

CERTIFICATE NO. 51630

\* Reservoir Permit No. ....

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

I, U. S. Department of the Interior, Bureau of Land Management  
(Name of Applicant)

of Salem District Office, P. O. Box 3227, Salem  
(Mailing address) (City)

State of Oregon, 97302, 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 Horning Reservoir

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

tributary of Swagger Creek

3. The amount of water to be stored is ~~2.56~~ 5.1 6/26/72 JAM acre feet.

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

5. The location of the proposed reservoir will be in Sec. 13  
(Give sections or townships to be submerged)

Tp. 4S, R. 3E, W.M., in the county of Clackamas

(a) State whether situated in channel of running stream and give character of material at outlet  
Is situated in channel of running stream. Material is silty gravel. Outlet will be protected with riprap.

(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 SW $\frac{1}{4}$ NW $\frac{1}{4}$ , Sec. 13  
(Smallest legal subdivision)

Tp. 4S, R. 3E, W.M. The maximum height will be 11.18 JAM feet above stream bed or ground surface on center line of dam. The length on top will be 167.208 JAM feet; length on bottom 24 feet; width on top 16.10 JAM feet; slope on front or water side 3:1; slope on back 3:1; height of dam above water line when full 4.7 JAM 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.

11 22 11

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 constructed from compacted earth embankment. The material is classified as an A-4(0) Silt. The size of the reservoir is so small that wave action is not critical. Top of dam will be seeded to grass.

8. The location of wasteway with dimensions are as follows: (State whether over or around the dam) Around the dam. Bottom width +10 ft., minimum depth + 2 ft., cut slopes - 2:1

9. The location of outlet from the proposed reservoir, with character of construction and dimensions, are as follows: through center of dam, 60" CMP with 72" riser. Outlet sized to carry 50 yr. frequency flow. IRRIGATION OUTLET IS 8" COATED CMP WITH GATE VALVE.

10. The area submerged by the proposed reservoir, when full, will be 1.7 acres, with a maximum depth of water of 11 feet; and approximate mean depth of water 3.0 feet.

11. The estimated cost of the proposed work is \$ 11,500

12. Construction work will begin on or before July 1, 1972

13. Construction work will be completed on or before November 1, 1972

B.T. Vladimirov District Manager for the Department of the Interior, Salem District Bureau of Land Management, Salem, Oregon

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

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 ASSISTANT

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 Horning Reservoir and the storage of water from an unnamed stream to be appropriated under application No. 49214, permit No. 35972, for 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 5.1 acre feet.

The priority date of this permit is May 5, 1972 for 3.56 af, and June 26, 1972 for 1.54 af

Actual construction work shall begin on or before July 19, 1973 and

shall thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 1974...

6 Extended to Oct. 1 1975

WITNESS my hand this 19th day of July, 1972...

*John T. Wheeler*

STATE ENGINEER

OK.  
Gary

Application No. R-42213

Reservoir Permit No. R 5819

## 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 5<sup>th</sup> day of May, 1972, at 2:07 o'clock P. M.

Returned to applicant:

Approved:

July 19, 1972

Recorded in Book No. \_\_\_\_\_ of

Reservoirs, on Page R 5819

CHRIS. L. WHEELER  
State Engineer

Drainage Basin No. 2 page 107

Fees 100.00