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MAY 20 1974

CERTIFICATE NO. 51610

STATE ENGINEER
SALEM, OREGON

* Reservoir Permit No. **R 6065**

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

I, Henry J. Grass, M.D. (Name of Applicant)

of 0415 S. W. Riverside Street, Portland,
(Mailing address) (City)

State of Oregon, 97219, do hereby make application for a permit to ~~construct~~ ^{enlarge} 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 Hank's Lake (formerly Hartwick Pond)

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

tributary of Dairy Creek

3. The amount of water to be stored is 66.7 ac ft existing + 103.1 ac ft additional acre feet.
= 169.8 total 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 35
(Give sections or townships to be submerged)

Tp. 2N, R. 4W, W.M., in the county of Washington

(a) State whether situated in channel of running stream and give character of material at outlet
reservoir is in channel of unnamed stream, material at outlet is
sandy lean clay, low to medium plasticity

(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~~ ^{is} located in NW 1/4 NE 1/4, Sec. 35,
(Smallest legal subdivision)

Tp. 2N, R. 4W, W.M. The maximum height will be 26.5 feet above stream bed or ground surface on center line of dam. The length on top will be 525 feet; length on bottom 250 feet; width on top 14 feet; slope on front or water side 3 to 1; slope on back 2 to 1; height of dam above water line when full 4.3 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 addition to existing dam will be constructed of compacted earth, according to approved engineering practice. Protection from wave action will be by planted sod face and 4.3-foot freeboard

8. The location of wasteway with dimensions are as follows: normal flows wasted through 30" diameter trickle tube via 18" CMP conduit to stream in combination with trapizoidal emergency spillway with 43.38 feet bottom width and 2 to 1 side slope to accommodate 100-year frequency storm flow.

9. The location of outlet from the proposed reservoir, with character of construction and dimensions, are as follows: through 18" CMP conduit (existing) with concrete outlet basin and new 12" CMP conduit upstream of trickle tube, provided with 12" valve controlled by hand wheel at top of embankment.

10. The area submerged by the proposed reservoir, when full, will be 15.6 acres, with a maximum depth of water of 19 feet; and approximate mean depth of water 8.0 feet.

11. The estimated cost of the proposed work is \$17,640.00

12. Construction work will begin on or before 15 June 1974

13. Construction work will be completed on or before 30 July 1974

Henry J. Grass M.D. (Signature of applicant) Henry J. Grass, M.D.

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: This application is made to rehabilitate and enlarge an existing reservoir and earth-fill dam, known as Hartwick dam and pond, constructed under permit No. R1869 (W.R. Certificate 29782, 11 May 1956). The dam is to be raised 9.33 feet in height by the addition of compacted earth to the upstream face of the existing structure. The existing dam will be terraced to accommodate adequate anchorage for the new embankment. Reservoir storage will be increased from 66.7 acre-feet to 169.8 acre-feet by raising the pool elevation from elevation 261 to elevation 269, providing a lake in excess of 2000 feet in length to be used as a private water skiing training course for the applicant in addition to authorized storage of water for irrigation as permitted under W.R. Certification No. 29782.

STATE OF OREGON, }
 County of Marion, } ss.

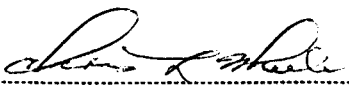

This is to certify that I have examined the foregoing application and do hereby grant the same, subject to the following limitations and conditions: The right herein granted is limited to the construction of Hank's Lake and storage of water from unnamed stream to be appropriated under application No. 52028, Permit No. 37345, 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 103.1 acre feet.

The priority date of this permit is May 20, 1974.

Actual construction work shall begin on or before July 9, 1975 and shall thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 1976.

WITNESS my hand this 9th day of July, 1974.


 STATE ENGINEER 

Application No. *R-51965*
Reservoir Permit No. *R 6065*

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 *May*, 19*74*, at *8:00* o'clock *P.*M.

Returned to applicant:

Approved:

July 9, 1974

Recorded in Book No. of Reservoirs, on Page *R 6065*

CHRIS. J. WHEELER
State Engineer

Drainage Basin No. *2* page *62B.17*

Fees *\$ 25.04*