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* Reservoir Permit No. **R 6487**

WATER RESOURCES DEPT.

SALEM, OREGON

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

I, Marvin John DeRaeve and Patricia Ann DeRaeve

(Name of Applicant)

of Route 1, Box 303

(Mailing address)

Amity

(City)

State of Oregon

97101

(Zip Code)

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 DeRaeve Reservoir

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

Ash Swale

tributary of South Yamhill River

3. The amount of water to be stored is 346.21 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. 7 and 18

(Give sections or townships to be submerged)

Tp. 6S, R. 4W, W.M., in the county of Polk

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

to be in channel of running stream (Ash Swail) -

material at outlet is a silty clay (CH)

(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 NE 1/4 SE 1/4, Sec. 7

(Smallest legal subdivision)

Tp. 6S, R. 4W, W.M. The maximum height will be 26.18 feet above stream bed or ground

surface on center line of dam. The length on top will be 300 feet; length on

bottom 110 feet; width on top (roadway) 20 feet; slope on front

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

(Feet horizontal to 1 vertical)

(Feet horizontal to 1 vertical)

when full 2.0 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: Reinforced concrete dismountable flashboard dam with Douglas Fir flashboards and with a compacted earthfill at each end of the concrete section. Earthfill to be seeded with grass for protection. Earthfill in area of concrete section to be rip rapped for protection.

8. The location of wasteway with dimensions are as follows: During Fall, Winter and early Spring months the flashboards will be removed and flow will be through an opening 18 feet wide and 14 feet high. During Summer months the flashboards will be installed and flow will be over the flashboards - opening is 18 feet wide and 2 feet high.

9. The location of outlet from the proposed reservoir, with character of construction and dimensions, are as follows: Release of water from the reservoir will be accomplished by removal of flashboards as required or in the event of an emergency a 30" x 30" shear gate can be opened at the dam for release of impounded water.

10. The area submerged by the proposed reservoir, when full, will be 42.95 acres, with a maximum depth of water of 14 feet; and approximate mean depth of water 8.1 feet.

11. The estimated cost of the proposed work is \$ 25,000

12. Construction work will begin on or before August 1, 1976

13. Construction work will be completed on or before November 1, 1976

Signature of applicant: James John DeRue

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: Because of flow characteristics of Ash Swail the proposed dam may be submerged during periods of extremely heavy runoff.

The proposed reservoir will impound water only to DeRaeve's south property line. At that point Marvin Fast proposes to construct a flashboard - earthfill dam of similar construction to Marvin DeRaeve's proposed dam.

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 DeRaeve Reservoir and storage of water from Ash Swale to be appropriated under application No. 54227, permit No. 40684 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 346.2 acre feet.

The priority date of this permit is May 6, 1970

Actual construction work shall begin on or before September 16, 1977 and shall thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 1978

WITNESS my hand this 16th day of September, 1976

James E. Larson
WATER RESOURCES DIRECTOR

Ok Gary

Application No. *R-54226*
Reservoir Permit No. **R 6487**

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 *6th* day of *May*, 19*76* at *2:50* o'clock *P.* M.

Returned to applicant:

Approved:

Recorded in Book No. _____ of **R 6487** Reservoirs, on Page _____

State Engineer

Drainage Basin No. *2* page *90826*
Fees *3.00*