

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

I, Silver Lake Irrigation District  
Name of Applicant

of Silver Lake  
Main Address

State of Oregon 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. Irrigation District formed under State law.

1. The name of the proposed reservoir is enlargement of Thompson Valley Reservoir, constructed under permit numbered 4-000

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

3. The amount of water to be stored is 2,000 acre feet.

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

5. The location of the proposed reservoir will be in Sec. 19, 20, 21, 28, 29, 30, 31, 32, 33  
(Give sections or townships to be submerged)

Tp. 30 S., R. 14 E., W.M. ~~not in county of~~ and Sec. 4 & 5, T. 31 S., R. 14 E., in Lake county.

(a) State whether situated in channel of running stream and give character of material at outlet  
yes, this is an enlargement of an existing reservoir.

(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 351 3/4, Sec. 17  
(Smallest legal subdivision)

Tp. 30 S., R. 14 E., W.M. The maximum height will be 48 feet above stream bed or ground surface on center line of dam. The length on top will be feet; length on bottom feet; width on top feet; slope on front or water side feet; slope on back feet; height of dam above water line when full 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 is to be built, and method of construction are as follows: Earth with Rip-Rap.

8. The location of wasteway with dimensions are as follows: The spillway discharges into a tributary of West Fork Silver Creek over a grade of 10 ft. at the outlet southwest of the dam.

9. The location of outlet from the proposed reservoir, with character of construction and dimensions, are as follows:

(All dams across natural stream channels must be provided with an outlet to the stream of sufficient capacity to pass the normal flow of the stream at all times.)

10. The area submerged by the proposed reservoir, when full, will be 1,700 acres with a maximum depth of water of 10 feet; and approximate mean depth of water 5 feet.

11. The estimated cost of the proposed work is \$2,000.

12. Construction work will begin on or before completed

13. Construction work will be completed on or before completed

By: [Signature]

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

By

ASSISTANT

Remarks: This project is a rehabilitation of the spillway for Thompson Valley Reservoir which was constructed in about 1925. The spillway, as originally constructed, appears to have had an elevation of about 1 foot above sea level. In the intervening years this spillway had been raised so that the controlling elevation prior to the rehabilitation work was 1960.5'. The new concrete spillway weir has been constructed to elevation 1962.5' above sea level. In addition, the approach channel has been excavated to reduce the approach velocities. The get away channel downstream from the weir has also been excavated so as to prevent the spillway weir from growing out a flood stage.

It is our opinion that with these improvements, the spillway will carry about the same flow with pool elevation of 1947.5' (the top of the levee) as it did under the design conditions. The levee at elevation 1947.5' is 2 feet lower than the main dam and would wash out in case of a flood greater than the capacity of the spillway.

The easements for this project were obtained to an elevation of 1960.5' above sea level. This is entirely adequate for the rehabilitated project.

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 and enlargement of Thompson Valley Reservoir constructed under Permit No. 2-620 and storage of water from Silver Creek, to be appropriated under Application No. 40205, Permit No. 29955, for supplemental irrigation.

The right hereunder shall be limited to the storage of 2040.0 acre feet.

The priority date of this permit is August 12, 1964

Actual construction work shall begin on or before January 3, 1966 and

shall thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 1966.

WITNESS my hand this 8th day of January 1965



STATE ENGINEER

5

Application No. 2-39517

Reservoir Permit No. 100000

**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 19<sup>th</sup> day of February 1964 at 8:00 o'clock A. M.

Returned to applicant:

Approved:

January 2, 1965

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

Reservoirs on Page **4161**.

CHAS. L. STEPHENS

State Engineer

Drainage Basin No. 13 page 3/

Fees