

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

I, Tillamook Water Commission, City of Tillamook
(Name of Applicant)

of City Hall, Tillamook,
(Mailing 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 Tillamook
Oregon, 28 February 1891

1. The name of the proposed reservoir is Skookum Lake Reservoir

2. The name of the stream from which the reservoir is to be filled and the appropriation made is Fawcett Creek
tributary of Tillamook River

3. The amount of water to be stored is 700 acre feet.

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

5. The location of the proposed reservoir will be in Sec. 19
(Give sections or townships to be submerged)
Tp. 2S, R. 8W, W.M., in the county of Tillamook

(a) State whether situated in channel of running stream and give character of material at outlet
The dam is situated in the channel of a running stream. The outlet is in stiff,
brown, sandy silt containing boulders.

(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 NW 1/4 of SE 1/4, Sec. 19,
(Smallest legal subdivision)
Tp. 2S, R. 8W, W.M. The maximum height will be 40 feet above stream bed or ground surface on center line of dam. The length on top will be 600 feet; length on bottom 50 feet; width on top 20 feet; slope on front or water side 3:1; slope on back 2:1; height of dam above water line when full 9 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 in places are as follows: The dam will be built as a homogeneous, earth fill dam of sandy clay silt which contains approximately 30 percent rock fragments. The face of the dam will be protected with 18 inches of well graded rock fragments with 18 inch maximum size which will be obtained from the oversize rock in the borrow areas or from the spillway excavation.

8. The location of wasteway with dimensions are as follows: The spillway will be cut in rock through the south abutment. The spillway will be 26 feet wide and a minimum depth of 9 feet.

9. The location of outlet from the proposed reservoir, with character of construction and dimensions, are as follows: The outlet will be a 30-inch diameter corrugated metal pipe, 10 gauge, asbestos protected and asphalt coated, bedded in concrete, approximately 210 feet long, located through the dam.

10. The area submerged by the proposed reservoir, when full, will be 39 acres, with a maximum depth of water of 29 feet; and approximate mean depth of water 18 feet.

11. The estimated cost of the proposed work is \$ 115,000.

12. Construction work will begin on or before 1 July 1965

13. Construction work will be completed on or before 15 November 1965

Signature of Applicant
President, Tillamook Water Commission

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: The drainage area is 2.2 square miles in area. It is steep, and generally covered with second growth forest. The source of the embankment material will be the right abutment and the reservoir area below the right abutment. The spillway is designed to discharge approximately 1,000 cfs with a head of 6 feet. This, combined with the storage above normal water surface will handle the estimated 100 year, 6 hour rainfall falling on snow, producing an equivalent rain of 7.8 inches. The water stored in this reservoir will be released during the summer and fall to supplement normal creek flow. The water will flow down Fawcett Creek and then be picked up in the existing diversion structure.

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 Skookum Lake Reservoir and storage of water from Fawcett Creek to be appropriated under application No. 40642, permit No. 30192, and the dam shall be constructed under the supervision of a registered professional engineer, for municipal use.

The right hereunder shall be limited to the storage of 700.0 acre feet.
The priority date of this permit is February 25, 1965
Actual construction work shall begin on or before April 16, 1966 and shall thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 1967.

WITNESS my hand this 16th day of April, 1965.

Levi Wheeler
STATE ENGINEER

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Application No. *P 1A 41*

Reservoir Permit No. **4532**

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 *25th* day of *February*, 19*65*, at *8:40* o'clock *P.*M.

Returned to applicant:

Approved:

April 16, 1965

Recorded in Book No. _____ of _____
Reservoirs, on Page **4532**

CHRIS L. WHEELER

State Engineer

Drainage Basin No. *1* page *18A*

Fees *1*