

* Reservoir Permit No. R-1118

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

I, City of Medford,
(Name of Applicant)

of
(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 Incorporated as the Town of Medford, February 24, 1885. Re-incorporated as the City of Medford, February 7, 1905.

1. The name of the proposed reservoir is Willow Creek Reservoir

2. The name of the stream from which the reservoir is to be filled and the appropriation made is Willow Creek and Four Bit Creek
 tributary of Big Butte Creek

3. The amount of water to be stored is 10,000 acre feet.

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

5. The location of the proposed reservoir will be in Sec. 34, Tp. 35 S. and Sec 2 and 3
(Give sections or townships to be submerged)
 Tp. 36 S., R. 3 E., W. M., in the county of Jackson

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

(b) If not in channel of running stream, state how it is to be filled. If through a feed canal, give name and dimensions Supplemental water to be brought from Four Bit Creek in Four Bit Canal. Length - Approx. 2.7 miles. Capacity - 100 cfs.

6. The dam will be located in NE $\frac{1}{4}$ SE $\frac{1}{4}$, NW $\frac{1}{4}$ SE $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 34
(Smallest legal subdivision)
 Tp. 35 S., R. 3 E., W. M. The maximum height will be 54 feet above stream bed or ground surface on center line of dam. The length on top will be 2616 feet; length on bottom 1800 feet; width on top 15 feet; slope of front or water side 2 $\frac{1}{2}$ to 1 ; slope on back 2 to 1 ; height of dam above water line when full 10 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.

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 is to be a rolled earth fill structure with 2 ft. of rock rip-rap on the upstream slope. The earth fill material will be taken from the reservoir area and downstream from the dam.

8. The location of wasteway with dimensions are as follows: The Spillway is located in a rock knoll which is between the main dam and a small dam. The Spillway entrance is 122 ft. wide and 10 ft. deep. Spillway capacity is 4200 cfs. at 5 ft. depth over entrance and 11,900 cfs. at 10 ft. depth at zero freeboard.

9. The location of outlet from the proposed reservoir, with character of construction and dimensions, are as follows: The outlet conduit is under the main dam. The conduit is a 36 inch steel pipe encased in concrete with a reinforced concrete intake tower and an outlet works on the downstream end.

10. The area submerged by the proposed reservoir, when full, will be 322 acres, with a maximum depth of water of 54 feet; and approximate mean depth of water 23 feet.

11. The estimated cost of the proposed work is \$ 900,000.00

12. Construction work will begin on or before April 1951

13. Construction work will be completed on or before April 1956

CITY OF MEDFORD, OREGON
BY ITS BOARD OF WATER COMMISSIONERS
(Name of applicant)

(Sgd) Paul B. Rynning Paul B. Rynning, Chairman

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

(Sgd) J R Woodford J. R. Woodford, Clerk

This is to certify that I have examined the foregoing application, together with the accompanying maps and data, and return the same for correction or completion as follows:

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

Remarks: The City of Medford, Oregon proposes to construct an earth fill dam on Willow Creek above the Eagle Point Irrigation District diversion. The waters of Four Bit Creek would be diverted into the Willow Creek site by a canal and the waters of Four Bit Creek and Willow Creek would be impounded during the non-irrigating season. The City of Medford further proposes to construct another pipe line from Big Butte Springs to the City to augment its present supply which has become inadequate due to an increased population.

The impounded water from the Willow Creek reservoir would also be used in trade, exchange or substitution for certain waters now recognized under Permit #6395, as issued to the Eagle Point Irrigation District and be used by them for irrigation and domestic supplies as stated in the above Permit #6395.

Maximum rate of diversion from Four Bit Creek, not to exceed 100 c.f.s., the designed capacity of the proposed feeder canal.

- 4. Use - Use would be for municipal purposes, including domestic, industrial irrigation, sewer, fire protection and all other purposes of use by the inhabitants of the City of Medford and adjacent areas.

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 Willow Creek Reservoir and the storage of water from Willow Creek and Four Bit Creek, to be appropriated under Application No. 24211, Permit No. 20177.

The right hereunder shall be limited to the storage of 10,000 acre feet.

The priority date of this permit is October 17, 1949

Actual construction work shall begin on or before June 15, 1952

and shall thereafter be prosecuted with reasonable diligence and be completed on or before

October 1, 1953 Extended to October 1, 1993 Extended to Oct. 1, 1958 Extended to Oct. 1 1973 Extended to Oct. 1978 Extended to Oct. 1, 1983

WITNESS my hand this 15th day of June, 19 51

CHAS. E. STRICKLIN
STATE ENGINEER

BC 10-1-98

O K
F.S.

Application No. R-24210.....

Reservoir Permit No. R-1118.....

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 17th day of October, 1949, at 8:00 o'clock A. M.

Approved:

June 15, 1951.....

Recorded in Book No. 4 of Reservoirs, on Page R-1118.

CHAS. E. STRICKLIN

STATE ENGINEER

STATE PRINTING DEPT.

Drainage Basin No. 15 page 28

Fees paid \$69.00