Sec 22247

*Reservoir Permit No. R-1640

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 EUGENE, BY EUGENE WATER & ELECTRIC BOARD
(Name of Applicant)

of 500 East 4th Avenue, Eugene, Oregon
(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

1. *The name of the proposed reservoir is* Walterville Pumped Storage Pond

2. *The name of the stream from which the reservoir is to be filled and the appropriation made is* McKenzie River and Jameson Creek

tributary of McKenzie River

3. *The amount of water to be stored is* 345 *acre feet*

4. *The use to be made of the impounded water is* hydro electric power

5. *The location of the proposed reservoir will be in Sec.* 21 and 28

Tp. 17 S. *R.* 1 W. *W. M., in the county of* Lane

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

See 5 (b)

(b) *If not in channel of running stream, state how it is to be filled. If through a feed canal, give name and dimensions* Filled by pumping from Walterville Canal, plus natural flow of Jameson Creek.

6. *The dam will be located in* S½ SE¼ ---------------------------Sec. 21
N½ NE¼ and NE¼ NW¼-----------------Sec. 28

Tp. 17 S. *R.* 1 W. *W. M. The maximum height will be* 12 *feet above stream bed or ground surface on center line of dam. The length on top will be* 4,200 *feet; length on bottom* 4,200 *feet; width on top* 15 *feet; slope of front or water side* 2½ to 1 *; slope on back* 1½ to 1 *; height of dam above water line when full* 2½ *feet.*

*A different form of application should be used for the appropriation of stored water ... together with instructions, by addressing the State Engineer, Salem, Oregon.

K-1640

7. The construction of dam, the material of which it is to be built, and method of protection from waves are as follows: Compacted clay core, compacted earth and gravel shell, gravel shell blanket for wave erosion protection.

8. The location of wasteway with dimensions are as follows: Wasteway located in water (State whether over or around the dam) control structure with discharge over 2 weirs - each 20 feet in width with crest elevation at 606.75

9. The location of outlet from the proposed reservoir, with character of construction and dimensions, are as follows: Reinforced concrete outlet control structure at SW corner of reservoir (All dams across natural stream channels must be provided with an outlet conduit, of such capacity and location to pass the normal flow of the stream at any time.) discharging to Walterville Power Canal through 2 Taintor gate openings each 20 feet wide and 4 feet high.

10. The area submerged by the proposed reservoir, when full, will be 66 acres, with a maximum depth of water of 10 feet; and approximate mean depth of water 7½ feet.

11. The estimated cost of the proposed work is $ 120.000

12. Construction work will begin on or before commenced June 1951

13. Construction work will be completed on or before completed May 1952

[signature]
(Signature of applicant)

General Supt.-Sec'y. - EUGENE WATER & ELECTRIC BOARD

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 completion

In order to retain its priority, this application must be returned to the State Engineer with corrections, on or before July 23, 19 54.

WITNESS my hand this 23rd day of June, 19 54.

RECEIVED
JUN 28 1954
STATE ENGINEER
SALEM, OREGON

CHAS. E. STRICKLEN
STATE ENGINEER
by Chris L. Wheeler
Chris L. Wheeler, Assistant

R- 16110

Remarks: Walterville pumped storage pond has been constructed to store water, pumped during off-peak periods, from the Walterville Canal for use in increasing canal flow during on-peak periods at the Walterville Power Plant. Water is stored in the pond at a maximum level of approximately 8 feet above the normal canal level by use of four 30 inch axial-flow propeller pumps of conventional irrigation-pump type rated at 75 c.f.s., equipped with 125 HP motors and having a unit capacity of 34,000 GPM and pumping head of 8 to 10 feet. These pumps handle the inflow to the reservoir by pumping from the present power canal during off-peak hours. Gravity flow from the storage basin to the canal is controlled as required by two 4' x 20' automatic taintor gates during on-peak operation.

Reference is made to data included in the copy of contract documents, Walterville Pumped Storage Development, and detail drawings (C-264-10 sheets 1 & 2 and C-264-11 sheet 1) accompanying this application.

This application for permit is being resubmitted after having been filed and subsequently erroneously withdrawn by the applicant on 22 May 1951. The reservoir mentioned herein was completed and beneficial use of the stored waters has been made since May 1952. Design and construction inspections were made by representatives of the State Engineers' office during the period June 1951 to May 1952.

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 Walterville Pumped Storage Pond and the storage of water from McKenzie River and Jamison Creek to be appropriated under Application No. 22597, Permit No. 23041 for hydro-electric power.

The right hereunder shall be limited to the storage of 345.0 *acre feet.*

The priority date of this permit is June 23, 1951

Actual construction work shall begin on or before September 23, 1953 *and shall thereafter be prosecuted with reasonable diligence and be completed on or before October 1,* 19

WITNESS my hand this 20th *day of* September, 19

STATE ENGINEER

Application No. R-29178

Reservoir Permit No. R 1640

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 23rd day of June, 19 54, at 9:40 o'clock A. M.

Returned to applicant:

Approved:

September 20, 1954

Recorded in Book No. 6 of Reservoirs, on Page R-111;

CHAS. E. STRICKLIN
STATE ENGINEER

Drainage Basin No. 2 page 24, 28E

Paid 17.45