5M—10-56

AT TRAIL BRIDGE DAM Permit No. 25514

*APPLICATION FOR PERMIT

To Appropriate the Public Waters of the State of Oregon

I, CITY OF EUGENE, by the EUGENE WATER & ELECTRIC BOARD
(Name of applicant)

of P.O. Box 1112, Eugene
(Mailing address),

State of Oregon, do hereby make application for a permit to appropriate the following described public waters of the State of Oregon, SUBJECT TO EXISTING RIGHTS:

If the applicant is a corporation, give date and place of incorporation ----

1. The source of the proposed appropriation is McKenzie River and Trail Bridge Reservoir
(Name of stream)
, a tributary of Willamette River

2. The amount of water which the applicant intends to apply to beneficial use is 1,400 cubic feet per second.
(If water is to be used from more than one source, give quantity from each)

**3. The use to which the water is to be applied is Electric power generation.
(Irrigation, power, mining, manufacturing, domestic supplies, etc.)

4. The point of diversion is located 100 ft. S. (N. or S.) and 5150 ft. W. (E. or W.) from the ~~corner of~~ Northwest corner of Section 18, Tp. 15 S., R. 7 E., W.M.
(Section or subdivision)

On unsurveyed lands of the United States.

(If preferable, give distance and bearing to section corner)

(If there is more than one point of diversion, each must be described. Use separate sheet if necessary)

being within the S.E. ¼ S.E. ¼ (Give smallest legal subdivision) of Sec. 11, Tp. 15 S. (N. or S.), R. 6 E. (E. or W.), W. M., in the county of Linn.

5. The power tunnel (Main ditch, canal or pipe line) to be approximately 600 feet (Miles or feet) in length, terminating in the S.E. ¼ S.E. ¼ (Smallest legal subdivision) of Sec. 11, Tp. 15 S. (N. or S.), R. 6 E. (E. or W.), W. M., the proposed location being shown throughout on the accompanying map.

DESCRIPTION OF WORKS

Diversion Works—

6. (a) Height of dam 90 feet, length on top 500 feet, length at bottom 100 feet; material to be used and character of construction Rockfill with impervious core and side channel spillway
(Loose rock, concrete, masonry, rock and brush, timber crib, etc., wasteway over or around dam)

(b) Description of headgate Gated tunnel intake.
(Timber, concrete, etc., number and size of openings)

(c) If water is to be pumped give general description
(Size and type of pump)

(Size and type of engine or motor to be used, total head water is to be lifted, etc.)

*A different form of application is provided where storage works are contemplated.

**Application for permits to appropriate water for the generation of electricity, with the exception of municipalities, must be made to the Hydroelectric Commission. Either of the above forms may be secured, without cost, together with instructions by addressing the State Engineer, Salem, Oregon.

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Canal System or Pipe Line— **Design for combination diversion and power tunnel not finalized.**

7. (a) Give dimensions at each point of canal where materially changed in size, stating miles from headgate. At headgate: width on top (at water line) ..... feet; width on bottom ..... feet; depth of water ..... feet; grade ..... feet fall per one thousand feet.

(b) At ..... miles from headgate: width on top (at water line) ..... feet; width on bottom ..... feet; depth of water ..... feet; grade ..... feet fall per one thousand feet.

(c) Length of pipe, ... ft.; size at intake, ... in.; size at ..... ft. from intake ..... in.; size at place of use ..... in.; difference in elevation between intake and place of use, ... ft. Is grade uniform? ..... Estimated capacity, ... sec. ft.

8. Location of area to be irrigated, or place of use .....

Township North or South	Range E. or W. of Willamette Meridian	Section	Forty-acre Tract	~~Number Acres To Be Irrigated~~
15 S.	6 E.	13	NW¼ NW¼ (unsurveyed area)	electric power generation

(If more space required, attach separate sheet)

(a) Character of soil .....

(b) Kind of crops raised .....

Power or Mining Purposes— 12,723 THP

9. (a) Total amount of power to be developed 10,500 limited by machine capacity theoretical horsepower.

(b) Quantity of water to be used for power 1,400 sec. ft. maximum at low head. 1,150 sec.ft. maximum at high head.

(c) Total fall to be utilized 80' maximum (Head) feet.

(d) The nature of the works by means of which the power is to be developed single turbine and electric generator of 6,000 KW rated capacity.

(e) Such works to be located in unsurveyed S.E. ¼ S.E. ¼ (Legal subdivision) of Sec. 11, Tp. 15 S. (No. N. or S.), R. 6 E. (No. E. or W.), W. M.

(f) Is water to be returned to any stream? Yes (Yes or No)

(g) If so, name stream and locate point of return McKenzie River same point as (e) above, Sec. ....., Tp. ..... (No. N. or S.), R. ..... (No. E. or W.), W. M.

(h) The use to which power is to be applied is to supply electric power demand of Eugene Water & Electric Board system.

(i) The nature of the mines to be served ----

Municipal or Domestic Supply—

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10. (a) To supply the city of ----

..... County, having a present population of .....
(Name of)

and an estimated population of ..... in 19.....

(b) If for domestic use state number of families to be supplied .....

(Answer questions 11, 12, 13, and 14 in all cases)

11. Estimated cost of proposed works, $ 2,000,000.00

12. Construction work will begin on or before 1 July 1960

13. Construction work will be completed on or before 1 October 1962

14. The water will be completely applied to the proposed use on or before 1 October 1963

CITY OF EUGENE, by the
EUGENE WATER & ELECTRIC BOARD
(Signature of applicant)

By: Byron Price

Byron Price, Superintendent

Remarks: Reference is made to the attached Project Area Map for location and layout of the project works as proposed. Final designs may change, somewhat, the details and locations given herein.

This project is an essential part of the Carmen project, application for which is being filed concurrently with this.

All lands affected by this project are within the boundaries of the Willamette National Forest.

Hydrographic studies have been based on existing U.S.G.S. recording station data together with miscellaneous and continuing pertinent flow measurements on that part of the McKenzie Watershed between Clear Lake and McKenzie Bridge.

This application may be considered to supersede application No. 25070 dated 29 July 1950.

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

PERMIT

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 EXISTING RIGHTS and the following limitations and conditions:

The right herein granted is limited to the amount of water which can be applied to beneficial use and shall not exceed 1400 *cubic feet per second measured at the point of diversion from the* ~~stream, or its equivalent in case of rotation with other water users, from~~ the McKenzie River and Trail Bridge Reservoir to be constructed under permit No. R-2137.

The use to which this water is to be applied is electric power generation

The priority date of this permit is February 25, 1958.

This permit is granted subject to the condition that the permittee will comply in all respects with the resolution of the State Water Resources Board of Oregon dated July 17, 1958, which resolution embodies a program for development of the water resources of the McKenzie River from Clear Lake downstream to River Mile 76.9 (below the mouth of Smith River) including Smith River and Bunch Grass Creek.

This permit is granted subject to all terms and conditions of that certain agreement made and entered into the first day of August 1958, by and between the City of Eugene, acting by and through the Eugene Water and Electric Board, party of the first part; and the State of Oregon, acting by and through the Oregon State Game Commission and the Fish Commission of Oregon, party of the second part, which agreement is recorded on Pages 2 to 5, Volume 4, Miscellaneous Records of the State Engineer and by reference made a part hereof.

Actual construction work under this permit shall be begun and completed within the time limits fixed in any license covering this project issued by the Federal Power Commission as provided by ORS 537.240 (4).

Complete application of the water to the proposed use shall be made on or before October 1, 19 65

WITNESS my hand this 4th *day of* August, 1958

Lewis A. Stanley
STATE ENGINEER

Application No. 32143

Permit No. 25514

PERMIT
TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF OREGON

This instrument was first received in the office of the State Engineer at Salem, Oregon, on the 25 *day of* February, 1958, *at* 11:43 *o'clock* A. M.

Returned to applicant:

Approved:

August 4, 1958

Recorded in book No. 68 *of Permits on page* 25514

LEWIS A. STANLEY
STATE ENGINEER

Drainage Basin No. 2 *page* 24A

Fees $20

State Printing 98137