

FOR TOTAL USE THROUGH CARMEN

*APPLICATION FOR PERMIT

To appropriate the Public Waters of the State of Oregon

I, CITY OF EUGENE, by the EUGENE WATER & ELECTRIC BOARD
of P.O. Box 1112, Eugene
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 Smith River, a tributary of the McKenzie, and McKenzie River and water stored a tributary of Willamette River in Smith River Reservoir and Carmen Diversion Reservoir

2. The amount of water which the applicant intends to apply to beneficial use is 1,900 cubic feet per second, 1,400 c.f.s. from McKenzie and 500 from Smith River.

**3. The use to which the water is to be applied is generation of electric power.

4. The point of diversion is located 2,400 ft. S. and 1,800 ft. W. from the N. 1/4 corner of Sec. 20, T. 14 S. R. 7 E., W.M., being within the S.W. 1/4 of N.W. 1/4 of said Sec. 20. The point of diversion from Smith River is located 2,600 feet N. and 1,100 feet W. from the S. 1/4 section corner of Sec. 36, T. 14 S. R. 6 E., W.M., being within the S.E. 1/4 of N.W. 1/4 of said Sec. 36, both in Linn County.

being within the of Sec. of Tp. R. W. M., in the county of

5. The See item 8 to be in length, terminating in the of Sec. of Tp. R. W. M., the proposed location being shown throughout on the accompanying map.

DESCRIPTION OF WORKS

Diversion Works— See item 8

6. (a) Height of dam feet, length on top feet, length at bottom feet; material to be used and character of construction

(b) Description of headgate Both tunnel intakes to be of concrete, controlled by wheeled gates and protected by trash racks.

(c) If water is to be pumped give general description

*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.

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Canal System or Pipe Line— Water is to be conveyed by tunnels.

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	12	NE 1/4 NW 1/4	ELECTRIC POWER GENERATION

5. The diversion tunnel from the McKenzie to Smith River to be 2.2 miles in length, terminating in the N.W. 1/4 of N.W. 1/4 of Sec. 25, T. 14 S., R. 6 E., W.M., and the power tunnel from the Smith River basin back to the McKenzie to be 1.5 miles in length, terminating in the unsurveyed N.E. 1/4 of N.W. 1/4 of Sec. 12, T. 15 S., R. 6 E., W.M., both locations being shown throughout on the accompanying map.

DESCRIPTION OF WORKS

Diversion Works --

- 6. (a) (1) McKenzie diversion - Height of dam 20 feet, length on top 3,200 feet, length on bottom 3,200 feet, to be constructed of rolled earthfill protected by rock shells both up and downstream.
- (2) Smith River storage - Height of dam 215 feet, length on top 1,100 feet, length on bottom 400 feet, to be constructed of rock with sloping earth impervious section.

(If more space required, attach separate sheet)

(a) Character of soil -----
(b) Kind of crops raised -----

Power or Mining Purposes—

- 9. (a) Total amount of power to be developed ^{111,341 THP} 86,000 104,000 ^{RAM} theoretical horsepower, as limited by generator capacity, plus overload capability.
- (b) Quantity of water to be used for power 1,900 sec. ft. at reduced head. 518 maximum - 483 average
- (c) Total fall to be utilized ⁵¹⁸ 518 ^{RAM} feet. static head at no flow. (Head)

(d) The nature of the works by means of which the power is to be developed two vertical shaft water wheel generators, each rated at 25,000 KW.

(e) Such works to be located in unsurveyed N.E. 1/4 N.W. 1/4 of Sec. 12 (Legal subdivision)

Tp. 15 S., R. 6 E., W. M. (No. N. or S.) (No. E. or W.)

(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, unsurveyed

N.E. 1/4 N.W. 1/4, Sec. 12, Tp. 15 S., R. 6 E., W. M. (No. N. or S.) (No. E. or W.)

(h) The use to which power is to be applied is to augment the supply to the present Eugene Water & Electric Board system.
(i) The nature of the mines to be served -----

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, \$ 17,000,000.00
- 12. Construction work will begin on or before July 1, 1960
- 13. Construction work will be completed on or before October 1, 1962
- 14. The water will be completely applied to the proposed use on or before October 1, 1963

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

By: *Byron Price*
Byron Price, Superintendent

Remarks: Refer to the attached map for location and layout of the project works.

Final designs, when completed, may change some of the details given herein.

The entire project, except a portion of the transmission line, is
located within the Willamette National Forest.

An application for beneficial use of water from the McKenzie just
below the mouth of Smith River is being filed concurrently with this application.
Both applications should be considered together since both are essential parts of
the same project, the other application being in connection with reregulation of
peaking flows resulting from operation of the power plant described herein.

This application may be considered to supersede application
No. 25069 dated July 29, 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 correc-
tions 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 1900 cubic feet per second measured at the point of diversion from

~~the Smith River and Smith Reservoir to be constructed under permit No. R-2139 and the McKenzie River and Carmen Diversion Dam to be constructed under permit No. R-2138, being 1400 cubic-feet per second from the McKenzie River and 500 cubic-feet per second from the Smith River.~~

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, 1965.

WITNESS my hand this 4th day of August 1958
Lewis A. Stanley
STATE ENGINEER

Application No. 32146

Permit No. 25515

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 25515

LEWIS A. STANLEY
STATE ENGINEER

Drainage Basin No. 2 page 28F

Fees 56.07