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Permit No. 2153

STATE ENGINEER
SALEM, OREGON

APPLICATION FOR PERMIT

To appropriate the Public Waters of the State of Oregon

I, Portland General Electric Company
(Name of applicant)

of 621 S. W. Alder Street, Portland 5,
(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 State of Oregon, July 25, 1930.

1. The source of the proposed appropriation is Aquaries Spring
(Name of stream), a tributary of Oak Grove Fork of Clackamas River

2. The amount of water which the applicant intends to apply to beneficial use is one foot cubic feet per second. for hydraulic ram pumping 20 gpm for domestic purposes, or up to 40 gpm on fire suppression.
(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 fire protection and domestic water supply in Timothy Lake project area, including domestic water supply to public recreation area known as Hood View on southerly shore of Timothy Lake, approximately 3/4 mile south of Timothy Dam. Water to operate hydraulic ram (power).
(Irrigation, power, mining, manufacturing, domestic supplies, etc.)

4. The point of diversion is located 950 ft. south and 1,200 ft. west from the N.E. corner of section 27, T. 5 S., R. 8 E., W.M. in the Mt. Hood National Forest.
(N. or S.) (E. or W.) (Section or subdivision)

This point of diversion is in the NE 1/4 of the NE 1/4 of Sec. 27, T. 5 S., R. 8 E., W.M., on U. S. Government land in the Mt. Hood National Forest.

(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 NE 1/4 of the NE 1/4 of Sec. 27, T. 5 S., R. 8 E., W.M.

R. 8 E., W.M., in the county of Clackamas
(E. or W.)

5. The pipe line to be 2 1/2 miles in length, terminating in the NE 1/4 of the SE 1/4 of Sec. 24, T. 5 S., R. 8 E., W.M.

R. 8 E., W.M., the proposed location being shown throughout on the accompanying map.
(E. or W.)

DESCRIPTION OF WORKS

Diversion Works—

6. (a) Height of dam, 4 feet, length on top 7 feet, length at bottom 8 feet; material to be used and character of construction concrete; material rock back-filled around outside.
rock and brush, timber crib, etc., wasteway over or around dam)

(b) Description of headgate See attached PGE Co. drawing.
(Timber, concrete, etc., number and size of openings)

(c) If water is to be pumped, give general description 6" hydraulic ram located 25 ft. downstream from spring source. Ram will operate on 15.5 ft. static head, and lifting water a total of 135 ft. static head to an elevation of approx. 2,500 ft. (1200 ft. static head); thence by gravity flow to Hood View recreation area.
(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 municipal, 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.

Canal System or Pipe Line— See PGE Co. Dwg. FB 644 and DE 3179 for details.

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.

Ram Supply:

(c) Length of pipe, 620 ft.; size at intake, 8 in.; size at _____ ft. from intake 6 in.; size at place of use 6 in.; difference in elevation between

intake and place of use, 17.0 ft. Is grade uniform? 210' @ 15.5' " Estimated capacity, Disch. Line: Approx. 6,000 ft. long consisting of 2" and 1" pipe 1.0 sec. ft. as detailed on PGE Co. Dwg. FB 644.

8. Location of area to be irrigated, or place of use "Hood View" Recreation Area.

Township North or South	Range E. or W. of Willamette Meridian	Section	Forty-acre Tract	Number Acres to be Irrigated
5 S	8 E	27	NW 1/4 of NE 1/4	Ram location
5 S	8 E	27	NE 1/4 of NE 1/4	Diversion at Aquaries Spring
5 S	8 E	27	SE 1/4 of NE 1/4	
5 S	8 E	26	SW 1/4 of NW 1/4	
5 S	8 E	26	SE 1/4 of NW 1/4	Area of "Domestic" use
5 S	8 E	26	SW 1/4 of NE 1/4	" " " "
5 S	8 E	26	NW 1/4 of SE 1/4	" " " "
5 S	8 E	26	NE 1/4 of SE 1/4	" " " "

(If more space required, attach separate sheet)

(a) Character of soil _____

(b) Kind of crops raised _____

Power or Mining Purposes— (Hydraulic Ram - 6")

9. (a) Total amount of power to be developed 1.1 theoretical horsepower

(b) Quantity of water to be used for power 3.5 sec. ft.

(c) Total fall to be utilized 15.5 feet. (Head)

(d) The nature of the works by means of which the power is to be developed _____ operation to pump approx. 20 gallons per minute.

(e) Such works to be located in / NW 1/4 of NE 1/4 (Ram), and NE 1/4 of NE 1/4 of Sec. _____ (Legal subdivision)

Tp. 5 S (No. N. or S.), R. 3 E (No. E. or W.), W. M.

(f) Is water to be returned to any stream? Yes (All but est. 20 gal. per min. are to be pumped by ram.) (Yes or No)

(g) If so, name stream and locate point of return Oak Grove Fork of Clackamas River, 62' below headworks, Sec. 27, Tp. 5 S (No. N. or S.), R. 3 E (No. E. or W.), W. M.

(h) The use to which power is to be applied is pumping water

(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 7 taps in recreation area
and 7 fire hydrant connections in Timothy Lake Project area.

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

- 11. Estimated cost of proposed works, \$ 5,000
- 12. Construction work will begin on or before October 1, 1956.
- 13. Construction work will be completed on or before August 1, 1957.
- 14. The water will be completely applied to the proposed use on or before August 1, 1957.

Approved: *[Signature]*
Supt. of Production

[Signature]
(Signature of applicant)
Vice President

Remarks: The attached drawings show the complete water system layout:

- (1) Location of Aquaries Spring on left bank of Oak Grove Fork of Clackamas River;
- (2) 410' of 8" pipe to Drive Pipe tank;
- (3) 210' of 6" Drive Pipe with 15.5' head to hydraulic ram;
- (4) Waste water returning to stream at Drive Pipe tank (overflow) and at Ram;
- (5) 2" and 1 1/2" water supply lines as shown;
- (6) Possible future storage installation (1,000 gal.) tank at _____ point in supply line;
- (7) PGE Dwg. DE 3179 shows details at headworks diversion and pipe line to hydraulic ram; and
- (8) PGE Dwg. EP 611 shows a portion of Timothy Lake Project area.

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 February 13, 1957.

WITNESS my hand this 13th day of December, 1956.

By LEWIS S. STANLEY
[Signature]
Chris L. Wheeler, Assistant
STATE ENGINEER

PERMIT

STATE OF OREGON, } ss.
County of Marion,

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 0.94 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 Aquaries Spring

The use to which this water is to be applied is domestic, fire protection and operation of hydraulic ram, being 0.05 c.f.s. for domestic, 0.09 c.f.s. for fire protection and 0.8 c.f.s. for operation of hydraulic ram

If for irrigation, this appropriation shall be limited to - - of one cubic foot per second or its equivalent for each acre irrigated

and shall be subject to such reasonable rotation system as may be ordered by the proper state officer.

The priority date of this permit is November 13, 1956

Actual construction work shall begin on or before January 25, 1958 and shall thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 1958

Complete application of the water to the proposed use shall be made on or before October 1, 1959

WITNESS my hand this 25th day of January, 1957

Arthur L. Stanley
STATE ENGINEER

Application No. 31211
Permit No. 24580

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 13th day of November, 1956 at 1:00 o'clock P. M.

Return to applicant:

Approved:

January 25, 1957

Recorded in book No. 65 of

Permits on page 21501

LEWIS A. STANLEY
STATE ENGINEER

Drainage Basin No. 2-104

State Printing Office

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