Permit No. 34940

*APPLICATION FOR PERMIT Certificate No. 73396

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 97205
(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 July 25, 1930 in State of Oregon

1. The source of the proposed appropriation is Columbia River
(Name of stream)
, a tributary of

2. The amount of water which the applicant intends to apply to beneficial use is 115 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 Nuclear Plant - Power - cooling water, fish rearing facilities, irrigation, fire protection system (testing) domestic (plant and recreation) ~~and evaporation loss from lake (secondary source)~~ 1/1 10-6-70
(Irrigation, power, mining, manufacturing, domestic supplies, etc.)

4. The point of diversion is located 171 ft. N (N. or S.) and 964 ft. E. (E. or W.) from the S.W. corner of Section 36, Township 7 North, Range 2 West, Willamette Meridian
(Section or subdivision)

(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.W. 1/4, S.W. 1/4 (Give smallest legal subdivision) of Sec. 36, Tp. 7N. (N. or S.), R. 2W. (E. or W.), W. M., in the county of Columbia.

5. The Pipe-Line (Main ditch, canal or pipe line) to be 750 feet (Miles or feet) in length, terminating in the N.W. 1/4, N.W. 1/4 (Smallest legal subdivision) of Sec. 1, Tp. 6N. (N. or S.), R. 2W. (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 ..... feet, length on top ..... feet, length at bottom ..... feet; material to be used and character of construction
(Loose rock, concrete, masonry, rock and brush, timber crib, etc., wasteway over or around dam)

(b) Description of headgate Concrete structure with two openings 15 x 8.5 feet.
(Timber, concrete, etc., number and size of openings)
Water passes through steel trash racks and travelling screens.

(c) If water is to be pumped give general description 3 - 20,000 GPM Turbine pumps with
(Size and type of pump)
500 H.P. Electric Motors, 1 of which is for maintenance standby.
(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.

Canal System or Pipe Line—

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, 750 *ft.; size at intake,* 2-30 *in.; size at* 250 *ft. from intake* 1-30 *in.; size at place of use* 1-30 *in.; difference in elevation between intake and place of use,* 90 *ft. Is grade uniform?* no *Estimated capacity,* 1 *sec. ft.*

8. *Location of area to be irrigated, or place of use* see Drawing C-10040

Township North or South	Range E. or W. of Willamette Meridian	Section	Forty-acre Tract	Number Acres To Be Irrigated
7 North	2 West	36	S.W. of S.W.	Power Plant - Irrigation 7.3 a
7 North	2 West	35	S.E. of S.E.	Lake - Irrigation 0.9a
			S.W. of S.E.	Lake
6 North	2 West	1	N.W. of N.W.	Lake - Irrigation - Fish 8.6a
			S.W. of N.W.	Lake - Irrigation 35.6
			S.E. of N.W. N.W. of S.W.	Irrigation 1.4 Irrigation 25.4
6 North	2 West	2	N.E. of N.E.	Lake - Irrigation - Fish 5.8
			N.W. of N.E.	Lake - Irrigation 1.0
			S.E. of N.E.	Lake - ~~Irrigation~~ 4.0a
			N.E. of S.E.	Lake - Irrigation 4.8a
				100 Ac

Potable water & sanitary facilities — Fire protection over all

14r N-8-70

(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* .... *theoretical horsepower.*

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

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

(d) The nature of the works by means of which the power is to be developed ....

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

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

(g) If so, name stream and locate point of return ...., *Sec.* ...., *Tp.* .... (No. N. or S.), *R.* .... (No. E. or W.), *W. M.*

(h) The use to which power is to be applied is ....

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

Municipal or Domestic Supply— 34940

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

.... (Name of) County, having a present population 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, $1,250,000

12. Construction work will begin on or before August 1970

13. Construction work will be completed on or before October 1972

14. The water will be completely applied to the proposed use on or before 1973

E. C. Itschner by [signature] ...
(Signature of applicant)
E. C. Itschner, Vice President
Portland General Electric Company

Remarks: See Exhibit Drawing C-10040 enclosed.
The 115 cubic feet per second requested will be used as follows:

1. Plant (cooling etc.) -93 cfs
2. Fish Rearing Facilities-20 cfs - This water will be released through the lake in the park to help prevent the lake from becoming stagnant. Some water loss will occur due to evaporation.
3. Irrigation - 1.2 cfs - When the landscaping is complete, there will be approximately 100 acres in lawn and shrubs.
4. Fire Protection System - 0.4 cfs - (Testing)
5. Domestic - 0.4 cfs - Plant and Recreational

The maximum consumptive use of the water will be 36 cfs with a 102° temperature and 20% relative humidity. The minimum will be 20 cfs with a 20° temperature and 100% relative humidity. Under average conditions with a 53° temperature and 70% relative humidity, the use will be 26 cfs.

Changes in Ink made and approved October 8, 1970 RWS

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 115.0 *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* Columbia River, being 93.0 cfs for cooling, 20.0 cfs for fish rearing, 1.2 cfs for irrigation, 0.4 cfs for fire system, and 0.4 cfs for domestic

The use to which this water is to be applied is nuclear plant cooling, fish rearing, irrigation, maintenance of a fire suppression system and domestic use in plant and recreation area

If for irrigation, this appropriation shall be limited to 1/80th *of one cubic foot per second or its equivalent for each acre irrigated* and shall be further limited to a diversion of not to exceed 2½ acre feet per acre for each acre irrigated during the irrigation season of each year,

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 August 3, 1970

Actual construction work shall begin on or before October 12, 1971 *and shall thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 19*72...
Extended to Oct. 1, 1980 Extended to Oct. 1 1980 Extended to Oct. 1 1979

*Complete application of the water to the proposed use shall be made on or before October 1, 19*73.
Extended to Oct. 1, 1980 Extended to Oct. 1 1980 Extended to Oct. 1 19[illegible]

WITNESS my hand this 12th *day of* October, *19*70

STATE ENGINEER

Application No. 47343

Permit No. 34910

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 3rd *day of* August, 1970, *at* 4:30 o'clock P. M.

Returned to applicant

Approved:

October 12, 1970

Recorded in book No. of *Permits on page* 34910

CHRIS L. WHEELER
STATE ENGINEER

Drainage Basin No. 1 *page* 6 5

Fees 266.50

State Printing 9617