CERTIFICATE NO. 41720

Permit No. G- G 3156

APPLICATION FOR A PERMIT

To Appropriate the Ground Waters of the State of Oregon

I, The United States of America, represented by Department of the Army, Portland District, Corps of Engineers
(Name of applicant)

of 628 Pittock Block, Portland (Postoffice Address), county of Multnomah,

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

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

1. *Give name of nearest stream to which the well, tunnel or other source of water development is situated* Columbia River, Bonneville Dam Project.
(Name of stream)
tributary of

2. *The amount of water which the applicant intends to apply to beneficial use is* 2.23 *cubic feet per second or* 1000 *gallons per minute.*

3. *The use to which the water is to be applied is* Powerhouse turbine gland water and 45% for domestic use and other project purposes. 10%
Approx. 436

4. *The well or other source is located* ~~1900~~ 100 *ft.* N. (N. or S.) *and* 2250 *ft.* W (E. or W.) *from the* SE *corner of* ~~Section 21~~ Govt lot 4 - State Coordinates, OREGON NORTH N 722,140 and E 1,628,880
(Section or subdivision)
1 hr. 8-18-66
(If preferable, give distance and bearing to section corner)
(If there is more than one well, each must be described. Use separate sheet if necessary)
being within the ~~NW 1/4 of the SE 1/4~~ lot 4 (NE 1/4 SW 1/4) *of Sec.* 21, *Twp.* 2N, *R.* 7E, *W. M., in the county of* Multnomah

5. *The* (Canal or pipe line) *to be* *miles in length, terminating in the* (Smallest legal subdivision) *of Sec.*, *Twp.*, *R.*, *W. M., the proposed location being shown throughout on the accompanying map.*

6. *The name of the well or other works is* Bonneville Water Well No. 2

DESCRIPTION OF WORKS

7. *If the flow to be utilized is artesian, the works to be used for the control and conservation of the supply when not in use must be described.*

8. *The development will consist of* One well (Give number of wells, tunnels, etc.) *having a diameter of* 16 *inches and an estimated depth of* 150 *feet. It is estimated that* 150 *feet of the well will require* 16" O.D. Steel (Kind) (0.375) *casing. Depth to water table is estimated* 32 (Feet)

CANAL SYSTEM OR PIPE LINE—

G 3156

9. (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.; 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,* 2.23 *sec. ft.*

10. If pumps are to be used, give size and type Kimball Krough 1933 1000 gpm

Give horsepower and type of motor ~~or engine~~ to be used Electrical 60 H.P. Max.

11. If the location of the well, tunnel, or other development work is less than one-fourth mile from a natural stream or stream channel, give the distance to the nearest point on each of such channels and the difference in elevation between the stream bed and the ground surface at the source of development

200 feet from Bonneville Lock Approach and Approx. 50 feet in Elevation Higher.

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

Township N. or S.	Range E. or W. of Willamette Meridian	Section	Forty-acre Tract	Number Acres To Be Irrigated
T. 2 N.	R. 7 E.	21 & 22	S.E.¼ Sec. 21 S.W.¼ Sec. 22	

(If more space required, attach separate sheet)

Character of soil .....

Kind of crops raised None

MUNICIPAL SUPPLY—

13. To supply the city of ..... G 3158

in ..... *county, having a present population of* .....

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

ANSWER QUESTIONS 14, 15, 16, 17 AND 18 IN ALL CASES

14. Estimated cost of proposed works, $18,000 including well, pump and distribution

15. Construction work will begin on or before 1 August 1966

16. Construction work will be completed on or before 1 October 1966

17. The water will be completely applied to the proposed use on or before 1 November 1966

18. If the ground water supply is supplemental to an existing water supply, identify any application for permit, permit, certificate or adjudicated right to appropriate water, made or held by the applicant. Permit No. GR-1231 - 7/31/58 for existing domestic well which was drilled in 1934.

UNITED STATES OF AMERICA

By W. J. ASHWORTH, Chief, Real Estate Division
U. S. Army Engineer District, Portland

Remarks: Gland water is currently provided by a sump and drain pipe collection system placed during the original powerhouse construction. Contamination and plugging of the gland water system by Iron Bacteria requires development of a new water source.

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 August 16, *19*66

WITNESS my hand this 16th *day of* June, *19*66

RECEIVED
JUL 7 1966
STATE ENGINEER
SALEM OREGON

CHRIS L. WHEELER
STATE ENGINEER

By Larry W. Jebousek
ASSISTANT

STATE OF OREGON, }
County of Marion, } ss.

PERMIT

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 2.23 cubic feet per second measured at the point of diversion from the well or source of appropriation, or its equivalent in case of rotation with other water users, from a well

The use to which this water is to be applied is domestic, powerhouse and general use Bonneville Project being 1.0 cfs for domestic, 1.0 cfs for powerhouse, 0.23 cfs for general use.

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 further limited to a diversion of not to exceed ..... 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 well shall be cased as necessary in accordance with good practice and if the flow is artesian the works shall include proper capping and control valve to prevent the waste of ground water.

The works constructed shall include an air line and pressure gauge or an access port for measuring line, adequate to determine water level elevation in the well at all times.

The permittee shall install and maintain a weir, meter, or other suitable measuring device, and shall keep a complete record of the amount of ground water withdrawn.

The priority date of this permit is June 13, 1966

Actual construction work shall begin on or before November 21, 1967 and shall thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 19 68

Complete application of the water to the proposed use shall be made on or before October 1, 19 69

WITNESS my hand this 21st day of November, 1966

STATE ENGINEER

Application No. G- 3538

Permit No. G- G 3156

PERMIT

TO APPROPRIATE THE GROUND 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 June, 1966, at 8:00 o'clock A M.

Returned to applicant:

Approved:

November 21, 1966

Recorded in book No. ..... of Ground Water Permits on page G 3156

CHRIS L. WHEELER
STATE ENGINEER

Drainage Basin No. 3 page 30

State Printing