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STATE ENGINEER
SALEM, OREGON

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Permit No. G-2459

SALEM, OREGON APPLICATION FOR A PERMIT

To Appropriate the Ground Waters of the State of Oregon

I, Oregon State University (Name of applicant)

of Corvallis, Oregon (Postoffice Address), county of Benton

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 Willamette River (Name of stream)

tributary of Columbia River

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

3. The use to which the water is to be applied is Fisheries Research Laboratory. To be used for holding, rearing and maintaining fishes before, during and after various experimentations.

4. The well/ or other source is located 256 ft. N. and 195 ft. W. from the NE corner of Pleasant Robinett D.L.C. #71. Well No. 2 is located 492 ft. N. and 42 ft. W. of the same D.L.C. corner. Well No. 3 is 229 ft. N. and 10 ft. W. and Well No. 4 is 403 ft. N. and 131 ft. west, all measurements being made from the N.W. corner of P. Robinett D.L.C. #71. (If there is more than one well, each must be described. Use separate sheet if necessary)

(Section or subdivision)

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

being within the SW $\frac{1}{4}$ of the SE $\frac{1}{4}$ of Sec. 36, Twp. 11S, R. 5W, W. M., in the county of Linn

5. The _____ (Canal or pipe line) to be _____ miles in length, terminating in the _____ 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 _____

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 four (4) wells (Give number of wells, tunnels, etc) having a diameter of 10" each inches and an estimated depth of 39' feet. It is estimated that 39' feet of the well will require standard black pipe casing. Depth to water table is estimated 15' schedule 40 (ct)

CANAL SYSTEM OR PIPE LINE—

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, sec. ft.

10. If pumps are to be used, give size and type Deep well turbine pump 500 gal. per minute for well No. 1. Others as required.

Give horsepower and type of motor or engine to be used 5 to 10 horse power electric motor ~~AC~~ (5 to 10 KW) for well No. 1. Others as required

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

Location of wells is approximately $\frac{1}{4}$ mile from back water area of the Willamette River called East River. Stream bed ^{of East River} is about 25 feet below ground surface at proposed well. Main channel of the Willamette River is more than $\frac{1}{4}$ mile away.

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

Township N or S.	Range E or W of Willamette Meridian	Section	Forty-acre Tract	Number Acres To Be Irrigated
11S	5W	36	SW $\frac{1}{4}$ of the SE $\frac{1}{4}$	No irrigation. Water is to be used for fish research.

(If more space required, attach separate sheet)

Character of soil

Kind of crops raised

MUNICIPAL SUPPLY—

13. To supply the city of

in county, having a present population of

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

14. Estimated cost of proposed works, \$5,000.....

15. Construction work will begin on or before April 1, 1963 (Well No. 1).....

16. Construction work will be completed on or before August 1, 1963 (Well No. 2).....

17. The water will be completely applied to the proposed use on or before 1966 (Well No. 3, 4 if required).....

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 registering

applicant. A request was made for three (3) irrigation wells (see tracing of aerial (on this far photo enclosed) north of the proposed fisheries facility. No record of Well registration from the State Engineer's Office could be found on file at Oregon State University. It is believed that this permit is held by the Averills.

[Handwritten Signature]
(Signature of applicant)

Remarks: The request is made by OSU for 1000 gallons of water per minute to be pumped from 3 10" wells for the purpose of operating a large cooperative fisheries research facility at the indicated site. Should it not be possible to obtain the required amount of water, a fourth well will be drilled. Building site and well location can be determined by examination of the enclosed maps. Well number 1 will be drilled in the spring of 1963 for use by the Department of Food Science and Technology, OSU, Department of Microbiology, OSU, and the Oregon Fish Commission. Total needs of the above mentioned groups are estimated at 500 gallons per minute. The second well will be prepared during the summer of 1963 to service the Oregon State Game Commission facilities. Their needs are thought to be approximately 250 gallons per minute. Well number 3 will be installed sometime during 1966 by the Department of Fish and Game Management, OSU. Water required to operate this laboratory is estimated to be 250 gallons per minute. Discharge water from fisheries facilities will be released into fish holding ponds also shown on the map. Overflow water from these ponds will then be discharged into the Willamette River or East River depending on the route selected. Discharge water which has received chlorine will by pass the fish holding ponds. In order to avoid any chance of well contamination by domestic sewage discharge, complete treatment is under consideration.

NOTE, Aug. 13, 1963: Well #1 was installed in July.

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 September 16, 1963.

WITNESS my hand this 16 day of July, 1963

CHRIS L. WHEELER
STATE ENGINEER
[Handwritten Signature]
STATE ENGINEER
RALEY OREGON

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 2.2 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 four wells

The use to which this water is to be applied is fisheries research laboratory

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 28, 1963

Actual construction work shall begin on or before September 20, 1964 and shall thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 1965

Complete application of the water to the proposed use shall be made on or before October 1, 1966

WITNESS my hand this 20th day of September, 1963

Chris L. Wheeler STATE ENGINEER

Application No. G-2643

Permit No. G-2459

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 20th day of June 1963, at 5:00 o'clock P. M.

Returned to applicant:

Approved: September 20, 1963

Recorded in book No. 9 of Ground Water Permits on page 2459

CHRIS L. WHEELER STATE ENGINEER

Drainage Basin No. 2 page 965