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STATE ENGINEER
SALEM, OREGON

Permit No. G- G 5702

CERTIFICATE NO. 47145

APPLICATION FOR A PERMIT

To appropriate the Ground Waters of the State of Oregon

I, Western Fish Toxicology Station, U. S. Environmental Protection Agency
(Name of applicant)
of 1350 S. E. Goodnight Avenue, Corvallis, county of Benton
(Postoffice Address)
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 4.46 cubic feet per second or 2,000 gallons per minute.
#1-600 GPM; #2-700 GPM; #3-700 GPM

3. The use to which the water is to be applied is Water pollutions research including cultures of fish for experimental research and ponds for eutrophication research.

4. The well or other source is located

#1	578	N	304	E	SW		
#2	592	ft.	N	319	ft.	E	from the
#3	583	(N. of S.)	329	(E. of W.)			

 corner of (See attached sheet and map) Sec 12 T12S R 5 W Willamette Meridian
(Section or subdivision)

(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 David Butterfield Donation SW 1/4 SW 1/4 of Sec. 12, Twp. 12S, R. 5 W.
Land Claim No. 47
W. M., in the county of Benton

5. The pipe line to be 1082 feet holes
(Canal or pipe line)
in length, terminating in the David Butterfield Donation SE 1/4 SE 1/4 of Sec. 11, Twp. 12S, R. 5 W.
(Smallest legal subdivision)
Land Claim No. 47
W. M., the proposed location being shown throughout on the accompanying map.

6. The name of the well or other works is water supply of Western Fish Toxicology Station

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.

Not Applicable

8. The development will consist of three wells having a
(Give number of wells, tunnels, etc.)
diameter of 8" 12" 12" inches and an estimated depth of 50, 45, 47 feet. It is estimated that 29', 45', 45' feet of the well will require 8" 12" 12" Steel casing. Depth to water table is estimated 23.25', 17', 17'
(Kind) (Feet)
(depth varies with River Stage)

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) NA feet; width on bottom feet; depth of water feet; grade feet fall per one thousand feet.

(b) At NA 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, #1 1082 ft.; size at intake 4 in.; in size at NA ft. from intake NA in.; size at place of use 4 in.; difference in elevation between intake and place of use, 26/26 ft. Is grade uniform? no. Estimated capacity, 2,000 gpm/4.46 sec. ft. total.

10. If pumps are to be used, give size and type 6" vertical turbine (2 pumps - both same) 20 HP electric, 4" submersible pump in each well.

Give horsepower and type of motor or engine to be used 20 HP electric, #3 well 20 HP electric

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

It is 59 feet from east edge of #1 well pit on easement centerline to the top of the rock riprapped bank of the Willamette River. Stream bed is approximately 32 feet below ground surface at the well site.

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

Table with 5 columns: Township N. or S., Range E. or W. of Willamette Meridian, Section, Forty-acre Tract, Number Acres To Be Irrigated. Includes handwritten entries: 12 S, 5 W, 11, SE 1/4 SE 1/4, NA; 14, NE 1/4 NE 1/4.

Letter dated 2-26-75 dls

(If more space required, attach separate sheet)

Character of soil

Kind of crops raised

SUPPLEMENTAL SHEET ITEM # 4

4. Well No. 1 is located on the centerline of the 30 foot utility easement (see attached copy of deed for easement description) and 733 feet from the 5/8 inch by 30 inch rod which is described in the deed as being on the centerline of the easement and on the east side of the 10.076 acre parcel of land deeded to the U. S. Government by the City of Corvallis.

Well No. 2 is 744 feet from the 5/8 inch by 30 inch rod and 11 feet from the easement line on the north side.

Well No. 3 is 758 feet from the 5/8 inch by 30 inch rod on centerline of the easement line.

See attached deed for further description.

MUNICIPAL SUPPLY—

13. To supply the city of NA
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, \$ Well 1 & 2 - \$7,500.00
Well 3 - \$25,000.00
- 15. Construction work will begin on or before 06/20/68 02/15/71 10/01/75
- 16. Construction work will be completed on or before 06/28/68 03/19/71 06/01/76
- 17. The water will be completely applied to the proposed use on or before 07/01/71 01/01/77

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. Refer to the attached ground water appropriation permit No. G-5733.

Samuel H. Stanton Chief, WETS
(Signature of applicant)

Remarks: Water from Well No. 3 will be used for laboratory experiments to determine levels of eutrophication in small reservoirs. Six reservoirs, with surface areas of 10,000 square feet each, will be used in the experiments.

Water will be non-consumptive in that water will be returned, after suitable treatment, to the Willamette River.

The water requested is part of the expansion referred to in Permit No. G-5733 originally submitted in July, 1972.

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

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 4.46 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 three wells being 1.34 c.f.s. from well No. 1, 1.56 c.f.s. from well No. 2, and 1.56 c.f.s. from well No. 3.

The use to which this water is to be applied is water pollutions research including cultures of fish for experimental research and ponds for eutrophication research.

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 February 25, 1972 for 1.34 cfs from well 1 and 1.56 cfs from well 2, and February 12, 1975 for 1.56 cfs from well 3.

Actual construction work shall begin on or before July 17, 1976 and shall thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 1976.

Complete application of the water to the proposed use shall be made on or before October 1, 1977.

WITNESS my hand this 17th day of July, 1975.

James E. Sexson
Water Resources Director STATE ENGINEER

Application No. G-5733
Permit No. G-5702

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 12th day of February, 1975, at 8:00 o'clock A.M.

Returned to applicant:

Approved:

July 17, 1975

Recorded in book No. of
Ground Water Permits on page G 5702

James E. Sexson
STATE ENGINEER
Drainage Basin No. 2 page 125

177-3-1-a-(31)

F.H.
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