

MAY 28 1976

See 16007

WATER RESOURCES DEPT. SALEM, OREGON

*APPLICATION FOR PERMIT WATER RESOURCES DEPT. SALEM, OREGON

To appropriate the Public Waters of the State of Oregon

I, City of Forest Grove (Name of applicant)

of P.O. Box 326, Forest Grove, Oregon 97116 (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

1. The source of the proposed appropriation is (1) Roaring Cr. a trib. of Clear Cr., (2) Clear Cr. a trib. of Gales Cr. & (3) Tualatin River a tributary of Willamette River (Name of stream)

2. The amount of water which the applicant intends to apply to beneficial use is (1) Roaring Cr. 3 cf's, (2) Clear Cr. - 3 cf's, and (3) Tualatin River - 33 cf's. 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 Municipal (Irrigation, power, mining, manufacturing, domestic supplies, etc.)

4. The point of diversion are located ft. and ft. from the corner of (1) Roaring Cr. - 1100 ft. North, 1500 ft. West from the 1/4 corner between Sec. 13 and 24, being within the SW 1/4 of SW 1/4 Sec. 13 T1N, R5W, W.M.; (2) Clear Cr. - 1467 ft. North, 1779 ft. West from the 1/4 corner between Sec. 13 and 24, being within the NW 1/4 of SW 1/4, Sec. 13, T1N, R5W, W.M.; (3) Tualatin Riv. - 510 ft. North, 345 ft. East from the SW Corner Sec. 8, T1S, R3W, W.M. (If there is more than one point of diversion, each must be described. Use separate sheet if necessary)

being within the SW 1/4 of SW 1/4 of Sec. 8, Tp. 1 S, R. 3 W, W. M., in the county of Washington (Give smallest legal subdivision) (N. or S.) (E. or W.)

5. The Roaring Cr. & Clear Cr. pipeline to be is 7 miles (Main ditch, canal or pipe line) (Miles or feet) in length, terminating in the NE 1/4 of NE 1/4 of Sec. 35, Tp. 1 N, R. 4 W, W. M., the proposed location being shown throughout on the accompanying map. (Smallest legal subdivision) (N. or S.) (E. or W.)

The Tualatin Riv. pipeline is 2500 ft. in length, terminating in the SE 1/4 of NE 1/4 of Sec 18, T1S, R3W, W.M. 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 (1) Roaring Cr. - Conc. with 16" pipe outlet; (2) Clear Cr. - Conc. with 12" pipe outlet; (3) Tualatin Riv. - Conc. with 36" pipe outlet (Timber, concrete, etc., number and size of openings)

(c) If water is to be pumped give general description (3) Tualatin Riv. - Pump #1 & #2 - 5400 gpm each, 85 ft. TDH, 125 HP. Vertical Turbine; Pump #3 - 3700 gpm, 76' IDH, 75 HP vertical turbine. (Size and type of pump) (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.

Roaring Creek & Clear Creek

(c) Length of pipe, 37,100 ft.; size at intake, 16 in.; size ~~at~~ through out ~~at~~ from intake 16 in.; size at place of use 16 in.; difference in elevation between intake and place of use, 100 ft. Is grade uniform? No Estimated capacity, Tualatin Riv. - 2500 ft. of 36" pipe from intake to water 9 sec. ft. treatment plant on uniform grade; elev. diff. 30 ft; Estimated cap. 8. Location of area to be irrigated, or place of use 45cfs.

Township North or South	Range E. or W. of Willamette Meridian	Section	Forty-acre Tract	Number Acres To Be Irrigated
✓ 2N	5W	25 & 26		
✓ 2N	4W	25 thru 36		
✓ 2N	3W	27 thru 34		
✓ 1N	5W	1, 12, 13 & 24		
✓ 1N	3W	3 thru 10 15 thru 22 27 thru 34		
✓ 1S	4W	1 thru 4 9 thru 14		
✓ 1S	3W	3 thru 10 15 thru 18		
✓ 1N	4W	1 thru 28 33 thru 36		

(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 feet.
(Head)

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

(e) Such works to be located in of Sec.
(Legal subdivision)

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

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

(g) If so, name stream and locate point of return

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

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

(i) The nature of the mines to be served

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

Washington County, having a present population of 10,200

(Name of)

and an estimated population of 30,000 in 2000

(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) Roaring & (2) Clear Cr. - \$600,000 (3) Tualatin R. - \$1,100,000

12. Construction work will begin on or before

(1) Roaring Cr. & (2) Clear Cr. completed

13. Construction work will be completed on or before (3) Tualatin R. - Aug. 1976

14. The water will be completely applied to the proposed use on or before July 1977

John D. Purdett (Signature of applicant) Director of Public Works

Remarks: Roaring Cr. & Clear Cr. - The city presently has permits #3318 (Mar. 29, 1917 0.8 cfs), #12034 (Apr. 16, 1935 1.00 cfs) & #13944 (July 27, 1939 - 1.00 cfs). Also State Engineer Orders dated March 2, 1936 & Oct. 19, 1939 relate to exclusive use for municipal water supply. The existing water treatment plant is being expanded & more water supply will be needed from Roaring & Clear Cr. when flow is available.

Tualatin River - Forest Grove is a joint owner with Hillsboro in a water treatment facility on the Tualatin River. The plant design capacity is 60 MGD (93 cfs) of which Forest Grove owns 35% (33 cfs).

Water will be released from the Scoggins & Trask (Permit No. 37837) impoundments into the Tualatin system during periods of low natural streamflow and diverted from the Tualatin River at the point described in this application.

When Tualatin River natural streamflow exceeds present minimum flow requirements, then Tualatin River water will be taken at the described point of diversion. This would primarily be during the Oct. thru May period.

STATE OF OREGON, } ss. County of Marion,

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 39.0 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 Roaring Creek, Clear Creek, and Tualatin River, being 3.0 c.f.s. from Roaring Creek, 3.0 c.f.s. from Clear Creek, and 33.0 c.f.s. from Tualatin River

The use to which this water is to be applied is municipal purposes

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 April 28, 1976

Actual construction work shall begin on or before August 5, 1977 and shall

thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 1978...

Extended to October 1, 1988 Extended to October 1, 1993 B Extended to Oct. 1, 1983
Complete application of the water to the proposed use shall be made on or before October 1, 1979...

WITNESS my hand this 5th day of August, 1976

B+C to 10-1-98

James C. Nelson
WATER RESOURCES DIRECTOR

FH B

Application No. 54293
40615

Permit No.

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 28 day of April, 1976, at 11 o'clock A. M.

Returned to applicant:

Approved:

Recorded in book No. 40615 of Permits on page

STATE ENGINEER

Drainage Basin No. 2 page 62 B 21

Fees