

RECEIVED

Permit No. 37813

JUN 17 1974

STATE ENGINEER
SALEM, OREGON

*APPLICATION FOR PERMIT

CERTIFICATE NO. 51015

To Appropriate the Public Waters of the State of Oregon

I, District Manager, Bureau of Land Management, U.S. Department of Interior
(Name of applicant)
of 1255 Pearl Street, P.O. Box 10226, Eugene
(Mailing address) (City)

State of Oregon, 97401, do hereby make application for a permit to appropriate the
(Zip Code)
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 Shotgun Creek and reservoir
(Name of stream)

, a tributary of Mohawk River

2. The amount of water which the applicant intends to apply to beneficial use is
cubic feet per second 0.10 cfs for irrigation and 0.2 cfs for recreation
(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 irrigation for lawn areas within
(Irrigation, power, mining, manufacturing, domestic supplies, etc.)
recreation site and recreation (stream only for irrigation)

4. The point of diversion is located 2,384 ft. N and 146 ft. W from the E $\frac{1}{4}$
(N. or S.) (E. or W.)
corner of Section 31, T. 15 S., R. 1 W.
(Section or subdivision)

1,795 feet N. and 193 feet E. from the E $\frac{1}{4}$ corner of Section 31 for pond,
being within the NW $\frac{1}{4}$ NW $\frac{1}{4}$ of Sec. 32, Tp. 15 S., R. 1 W.

(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 NE $\frac{1}{4}$ NE $\frac{1}{4}$ (for stream) of Sec. 31, Tp. 15 S.
(Give smallest legal subdivision) (N. or S.)

R. 1 W., W. M., in the county of Lane
(E. or W.)

5. The pipeline (mainline and laterals) to be 6,060 feet
(Main ditch, canal or pipe line) (Miles or feet)
in length, terminating in the NW $\frac{1}{4}$ NW $\frac{1}{4}$ of Sec. 32, Tp. 15 S.
(Smallest legal subdivision) (N. or S.)

R. 1 W., W. M., the proposed location being shown throughout on the accompanying map.
(E. or W.)

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

(Timber, concrete, etc., number and size of openings)

(c) If water is to be pumped give general description One stationary vertical turbine 73 h.p.
pump, rated capacity 165 gpm, rated head 125 feet, 72% (Size and type of pump)
efficiency, 3 $\frac{1}{2}$ inch discharge with a 7.5 h.p., 3,600 rpm 230 volt single phase motor.
(Size and type of engine or motor to be used, total head water is to be lifted, etc.)
31 Buckner No. 82 50R sprinkler heads, 29 Buckner No. 8255 R sprinkler heads and one
Buckner 4-03FO sprinkler head all in Phase I. 34 additional sprinkler heads will be
installed in Phase II.

* A different form of application is provided where storage works are contemplated. Such forms can be secured without charge, together with instructions, by addressing the State Engineer, Salem, Oregon 97310.

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, 6,060 ft.; size at intake, 10 in.; size at 10 ft. from intake 6 in.; size at place of use 1 1/2" to 6" in.; difference in elevation between intake and place of use, 10 ft. Is grade uniform? variable Estimated capacity, sec. ft.

8. Location of area to be irrigated, or place of use Shotgun Creek Recreation Site

Township North or South	Range E. or W. of Willamette Meridian	Section	Forty-acre Tract	Number Acres To Be Irrigated
15 S.	1 W.	30	SE 1/4 SE 1/4	2.1
15 S.	1 W.	31	NE 1/4 NE 1/4	2.0 and recreation
15 S.	1 W.	32	NW 1/4 NW 1/4	1.7 and recreation
15 S.	1 W.	32	SW 1/4 NW 1/4	0.4

(If more space required, attach separate sheet)

(a) Character of soil silty clay loam
(b) Kind of crops raised Lawn area -- creeping red fescue and orchard grass

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

..... County, having a present population of
(Name 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, \$ 25,000.00

12. Construction work will begin on or before July 1974

13. Construction work will be completed on or before September 1, 1975

14. The water will be completely applied to the proposed use on or before Fall 1975

for lawn establishment -- 1976 first full season of use.

James E. Hart
(Signature of applicant)
Acting District Manager

Remarks: The Shotgun Recreation Site will be constructed in two separate phases. Phase I construction will begin in July 1974. That portion of the irrigation system to be constructed and installed in Phase I includes the pump and intake structure, 3,861 feet of PVC sprinkler line of varying diameter ranging from 1½" to 6", 61 sprinkler heads, electric and drain valves, and a sprinkler controller. 3.9 acres of lawn will be irrigated with this part of the system. Estimated cost is \$18,800.00.

Phase II construction, which has not been programmed for construction includes 2,200 feet of PVC sprinkler line together with 34 sprinkler heads, electric control valves and automatic drains. 2.3 acres of lawn area will be irrigated with this phase of construction. The pump installation required in Phase I construction would service both present and future proposed irrigated lawn areas. Phase II construction is \$6,200.00.

The total (Phases I & II) anticipated system demand and use load is 165 gallons per minute for three hours and 15 minutes per day resulting in a daily maximum use of 32,175 gallons. Normal period of operation will be from May 1 to October 1.

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 0.13 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 Shotgun Creek and Reservoir to be constructed under application No. R-50274, Permit No. R-6125

The use to which this water is to be applied is irrigation and recreation being 0.08 c.f.s. for irrigation and 0.05 c.f.s. for recreation

If for irrigation, this appropriation shall be limited to 1/80th of one cubic foot per second or its equivalent for each acre irrigated from direct flow and shall be further limited to a diversion of not to exceed 2 1/2 acre feet per acre for each acre irrigated during the irrigation season of each year from direct flow and storage from reservoir to be constructed under permit No. R-6125.

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 June 17, 1974

Actual construction work shall begin on or before July 16, 1976 and shall thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 1977.

Complete application of the water to the proposed use shall be made on or before October 1, 1978.

WITNESS my hand this 16th day of July, 1975.

Water Resources Director

STATE ENGINEER

Application No. 52025

Permit No. 37813

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 17th day of June

1974, at 11 o'clock A. M.

Returned to applicant:

Approved:

July 16, 1975

Recorded in book No. of

Permits on page 37813

James E. Sexson
STATE ENGINEER

Drainage Basin No. 2 page 28N

Fees