

Application for a Permit to Construct a Reservoir and to Store for Beneficial Use the Unappropriated Waters of the State of Oregon

I, City of Drain, Oregon (Name of Applicant)

of City Hall, Drain (Mailing Address)

State of Oregon, do hereby make application for a permit to construct the following described reservoir and to store the unappropriated waters of the State of Oregon, subject to existing rights.

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

City of Drain, Oregon; incorporated in 1907

1. The name of the proposed reservoir is Bear Creek Reservoir Site 3

2. The name of the stream from which the reservoir is to be filled and the appropriation made is

Bear Creek

tributary of Elk Creek & Umpqua River

3. The amount of water to be stored is 1,000 acre feet.

4. The use to be made of the impounded water is city water supply (Irrigation, power, domestic supply, etc.)

5. The location of the proposed reservoir will be in Sec. 35 (Give sections or townships to be submerged)

Tp. 22 S., R. 6 W., W.M., in the county of Douglas

(a) State whether situated in channel of running stream and give character of material at outlet

The dam will be situated in the Bear Creek channel. The material in the stream bed at the outlet is rock.

(b) If not in channel of running stream, state how it is to be filled. If through a feed canal, give name and dimensions

6. The dam will be located in NE 1/4 of NE 1/4, Sec. 35 (Smallest legal subdivision)

Tp. 22 S., R. 6 W., W.M. The maximum height will be 70 feet above stream bed or ground

surface on center line of dam. The length on top will be 700 feet; length on

bottom 40 feet; width on top 20 feet; slope on front

or water side 3 (Feet horizontal to 1 vertical); slope on back 2 (Feet horizontal to 1 vertical); height of dam above water line

when full 10 feet.

* A different form of application should be used for the appropriation of stored water to beneficial use. Such forms can be secured without charge, together with instructions, by addressing the State Engineer, Salem, Oregon 97310.

15 PERMITS

7. The construction of dam, the material of which it is to be built, and method of protection from waves are as follows: The dam core and upstream slope will be built of plastic clayey silt. The upstream slope will be protected with rock fragments. The downstream shell will be rock.

8. The location of wasteway with dimensions are as follows: The spillway will consist of 3, 54" diameter pipes over the dam with a concrete headwall and stilling basin.

14-7-29-71

9. The location of outlet from the proposed reservoir, with character of construction and dimensions, are as follows: The outlet pipe will be a 30-inch reinforced concrete pipe bedded in concrete and located in the Creek Valley, 5 to 10 feet above the creek bed.

10. The area submerged by the proposed reservoir, when full, will be 44 acres, with a maximum depth of water of 60 feet; and approximate mean depth of water 23 feet.

11. The estimated cost of the proposed work is \$ 500,000

12. Construction work will begin on or before 1 July 1971

13. Construction work will be completed on or before 1 July 1972

Charles R. Miller (Signature of applicant)

Mayor, City of Drain, Oregon

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

Remarks: The drainage area is 4.9 square miles, which is generally steep, and covered with pasture, second growth timber and brush. The spillway will discharge approximately 1500 cfs with 4 feet of freeboard. Based on runoff and rainfall records, the 1500 cfs discharge is equal to the 100 year flood.

The water stored will be released to Bear Creek during periods of low flow in the summer and fall to supplement normal flow. The water will be picked up from Bear Creek at the existing city water intake and be transported to the City in the existing pipeline.

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 the following limitations and conditions: The right herein granted is limited to the construction of Bear Creek Reservoir Site 3 and storage of water from Bear Creek to be appropriated under application No. 48374, permit No. 35252, for municipal use and the dam shall be constructed under the supervision of a registered professional engineer. The right herein granted is limited to the storage of 305.0 af until plans for enlargement have been approved in writing by the State Engineer.

The right hereunder shall be limited to the storage of 1000.0 acre feet.

The priority date of this permit is June 28, 1971

Actual construction work shall begin on or before July 29, 1972 and

shall thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 1973.

Extended to Oct. 1985 Extended to October 1, 1990, 10-1-95, 10-1-2000

WITNESS my hand this 29th day of July, 1971.

STATE ENGINEER

Application No. R 48373

Reservoir Permit No. R 5652

PERMIT

To construct a reservoir and store for beneficial use the unappropriated waters of the State of Oregon.

This instrument was first received in the office of the State Engineer at Salem, Oregon, on the 28th day of June, 1971, at 8:00 o'clock A. M.

Returned to applicant:

Approved: July 29, 1971

Recorded in Book No. _____ of _____

Reservoirs, on Page R-5652

CHRIS L. WHEELER
State Engineer

Drainage Basin No. 16 page 20D

Fees _____