

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 Astoria, a municipal corporation organized under the laws of
the State of Oregon (Name of applicant)

of Astoria (Post office), County of Clatsop

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 incorporated by
an act filed in the office of the Secretary of State Feb. 18-1891

1. The name of the proposed reservoir is Smiths Lake

2. The name of the stream from which the reservoir is to be filled and the appropriation made is Seepage water from surrounding sand dunes, no streams running into lake.

tributary of _____

3. The amount of water to be stored is 11,000,000 gallons acre feet.

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

5. The location of the proposed reservoir will be in Sec. 20, 28 and 29 T. 8 N. R. 10 W. W.M.
 (Give sections or townships to be submerged)

(a) State whether situated in channel of running stream and give character of material at outlet
Smiths Lake is not in a stream channel but is a depression between sand dunes, Smiths Lake has no streams feeding to it but is fed from seepage of the surrounding sand dunes. Run-off is very slow. Out let is through a brush overgrown swamp at north end, bottom of swamp is a thin layer of swamp mud over fine sand.

(b) If not in channel of running stream, state how it is to be filled. If through a feed canal, give name and dimensions
Purpose of dike across swamp is to prevent the lake from emptying through the devious channel through the swamp and conserve the waters of the lake.

6. The dam will be located in S.E. 1/4 of S.E. 1/4, Sec. 20
 (Smallest legal subdivision)
 Tp. 8 N. (No. N. or S.), R. 10 W. (No. E. or W.), W. M. It will be 3 1/2 feet in height,
at deepest portion

* 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.

having a length on top of 135 feet; length on bottom 100 feet; width on top 4 feet slope of front or water side 3:1 (Feet horizontal to 1 vertical) slope on back 2:1 (Feet horizontal to 1 vertical); height of dam above water line when full 1 feet.

7. The construction of dam, the material of which it is to be built, and method of protection from waves are as follows: Dike will have center core of 2" X 12" sheet piling for full length thereof. Fill material will be dune sand. There is no wave action in swamp section.

8. The location of wasteway with dimensions are as follows: Wasteway through one end of dam 10 feet wide by 2 feet high. (State whether over or around the dam)

9. The location of outlet from the proposed reservoir, with character of construction and dimensions, are as follows: The water stored in Lake will be taken therefrom by pumping plant located S 19 degrees 30 minutes east 1050 feet from N.W. corner Section 28 T. 8 N. (State whether through or around the proposed dam) R. 10 W.W.M. Appropriation of water is covered by existing permit.

10. The area submerged by the proposed reservoir, when full, will be 25 acres, with a maximum depth of water of feet; and approximate mean depth of water feet.

11. The estimated cost of the proposed work is \$ 450.00

12. Construction work will begin on or before October 1st.

13. Construction work will be completed on or before October 30-1939

Duplicate maps of the proposed reservoir and storage works, prepared in accordance with the rules of the State Water Board, accompany this application.

City of Astoria (Name of applicant)

(by) James O. Convill City Manager

Signed in the presence of us as witnesses:

(1) G. T. McClean Astoria, Oregon (Name) (Address of witness)

(2) Esther E. Juntti Astoria, Oregon (Name) (Address of witness)

Application No. R-18269

Reservoir Permit No. R-735

PERMIT

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

District No.

This instrument was first received in the office of the State Engineer at Salem, Oregon, on the 13th day of July, 1939, at 8:00 o'clock A. M.

Returned to applicant for correction:

Corrected application received:

Approved:

October 20, 1939

Recorded in Book No. 3 of Reservoirs, on Page 735 1-6 A

CHAS. E. STRICKLIN

State Engineer

Form 103a-500-7-37

STATE PRINTING DEPT.

Fees Paid \$6.00