

**Application to Construct a Reservoir and to
Store the Unappropriated
Waters of the State of Oregon**

W. M. WILSON
W. M. WILSON

(Name of Applicant)

of **Wadsworth Ranch, Madras, Ore.**
(Mailing Address)

State of **Oregon** do hereby make application for a permit to **enlarge**
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

1. The name of the proposed reservoir is **Little Willow Creek Reservoir**

2. The name of the stream from which the reservoir is to be filled and the appropriation made is
Little Willow Creek, tributary of Hay Creek

tributary of **DESCHUTES RIVER**

3. The amount of water to be stored is **500 supplemental** 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. 12, T11S. R16E & Secs. 7 & 16**
(Give section or townships to be submerged)

Tp. **11 S., R. 16 E., W. M.**, in the county of **JEFFERSON**

(a) State whether situated in channel of running stream and give character of material at outlet
SITUATED IN STREAM CHANNEL WHICH SHOWS LOAM, CLAY AND GRASS AT
THE SURFACE.

(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 **Q1/4 of NE1/4 and NW1/4 of SE1/4**, Sec. **12**
(smallest legal subdivision)

Tp. **11 S., R. 16 E., W. M.** The maximum height will be **40** feet above stream bed or ground

surface on center line of dam. The length on top will be **1020** feet; length on

bottom **300** feet; width on top **12** feet; slope of front

of water side **3:1**; slope on back **2:1**; height of dam above water line

when full **5** 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.

... the construction of dam, the materials of which it is to be built, and method of protection from
 The enlarged dam section will be compacted earth-fill
 with cores some of stable, impervious, materials and downstream
 embankment of stable, pervious materials. All materials to be selected
 from better than material in the site. Upstream face subject to wave
 action to be protected with rip-rap.

6. The location of spillway with dimensions are as follows: 20' width and 8.5 feet depth
 (State whether over or around the dam)
 Rip-rap protection is provided for dam-embankment where
 spillway crosses and in the spillway channel as necessary to control
 erosion.

9. The location of outlet from the proposed reservoir, with character of construction and dimensions,
 Extension of existing 10-inch, asphalt-coated corrugated
 pipe along an approximate center line of dam with new concrete
 headwall at discharge end. Outlet gate to be replaced with Class No. 100, or equal C.I. gate
 for heads up to 50 ft. An alternate is provided in the plans for sloped
 type gate installation, in lieu of timber gate trestle and platform.

10. The area submerged by the proposed reservoir, when full, will be 57.7 acres,
 with a maximum depth of water of 36 feet, and approximate mean depth of water
16.7 feet.

11. The estimated cost of the proposed work is \$ 55,000
 12. Construction work will begin on or before Sept. 30, 1951
 13. Construction work will be completed on or before Dec. 31, 1951.

[Signature]
 (Name of applicant)

STATE OF OREGON
 STATE OF OREGON
 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 correction or completion as follows:

In order to retain its priority, this application must be returned to the State Engineer, with cor-
 rections on or before 19

WITNESS my hand this 10 day of 10

STATE ENGINEER

STATE OF OREGON
DEPARTMENT OF WATER RESOURCES
DIVISION OF WATER CONTROL

[Lined area for application details]

STATE OF OREGON
STATE OF OREGON }
County of Marion, }

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 enlargement of Little Willow Creek Reservoir and the storage of water from Little Willow Creek to be appropriated under Application No. 26226, Permit No. 21102 for irrigation.

The right hereunder shall be limited to the storage of 577.0 acre feet.

The priority date of this permit is July 20, 1951 for 412 acre feet, September 12, 1951 for 187.8 acre feet.

Actual construction work shall begin on or before September 30, 1953 and shall thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 1954.

WITNESS my hand this 29th day of September 1952

[Signature of State Engineer]

STATE ENGINEER

[Handwritten notes]

Application No. **1333**

Permit No. **1333**

PERMIT

To construct a reservoir and abutment for outlet of
official 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 **12th** day of **July**,
19**51**, at **11:30** o'clock **A.M.**

Approved:

September 30, 1952

Recorded and Booked No. **1333** of

Permits on Page **1333**

WAS. H. SMITH

STATE ENGINEER

Drainage Basin No. **1333**

Permit No. **1333**

State Engineer Dept. 1333