

Reservoir Permit No. **R-1734**

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

I, **North Unit Irrigation District, a municipal corporation**
(Name of Applicant)

of **Nadras**
(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. **An irrigation district organized under the laws of the State of Oregon on the 20th day of March, 1916.**

1. The name of the proposed reservoir is **Haystack Equalizing Reservoir**

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

tributary of **Columbia River**

3. The amount of water to be stored is **6,000** 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. 26, 27, 34 and 35**
(Give section, range, township, etc., to be surveyed.)

Tp. 12 S., R. 13 E., W. M., in the county of Jefferson

(a) State whether situated in channel of running stream and give character of material at outlet. **Intermittent stream in Haystack draw - sand with excess silt, coarse sand and fine gravel overlying tuff and rhyolite**

(b) If not in channel of running stream, state how it is to be filled. If through a feed canal, give name and dimensions. **Feeder canal from North Unit main canal at mile 43. Feeder canal 700 c.f.s. capacity, 2140 feet in length**

6. The dam will be located in **S $\frac{1}{2}$ NE $\frac{1}{4}$ & N $\frac{1}{2}$ SE $\frac{1}{4}$** Sec. 27
(Smallest legal subdivision)

Tp. 12 S., R. 13 E., W. M. The maximum height will be **30** feet above stream bed or ground surface on center line of dam. The length on top will be **1,255** feet; length on bottom **diminishes** feet; width on top **30** feet; slope of front or water side **3:1**; slope on back **2:1 above el. 2800** and **5:1 below el. 2800** feet of dam above water line
(Foot horizontal to 1 vertical)
when full **11** feet.

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

7. The construction of dam, the material of which it is to be built, and method of protection from waves are as follows: Earth fill with cutoff trench. Zoned fill impervious central canal zone and pervious outer zones

8. The location of wasteway with dimensions are as follows: (State whether over or around the dam)
Siphon spillway, 555 c.f.s. capacity, located on feeder canal

9. The location of outlet from the proposed reservoir, with character of construction and dimensions, are as follows: Concrete cut & cover, 300 c.f.s. capacity
(All dams across natural stream channels must be provided with an outlet conduit, of such capacity and location to pass the normal flow of the stream at any time.)

10. The area submerged by the proposed reservoir, when full, will be 240 acres, with a maximum depth of water of 69 feet; and approximate mean depth of water 25 feet.

11. The estimated cost of the proposed work is \$ 1,600,000

12. Construction work will begin on or before

13. Construction work will be completed on or before

NORTH UNIT IRRIGATION DISTRICT

(Signature of applicant)

By [Signature] Attorney

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

Remarks: This application for a permit to construct a reservoir and to store water therein for beneficial use will store water already appropriated under Permit No. 23196 issued March 11, 1955 and waters stored under Permit No. R-1677, the reservoir to be constructed under this application is merely an equalization reservoir and is being constructed for the purpose of conserving water to be put to beneficial use within the District. This water stored and appropriated under Permits No. R-1677 and 23196 is to be restored for beneficial use under this application. There is hereto attached marked Exhibit A for reference and made a part of this application Volume 1, General Plan of the Haystack Equalizing Reservoir, North Unit Deschutes Project, Oregon, prepared by the United States Department of Interior, Bureau of Reclamation. Exhibit B - map of the proposed equalizing reservoir. Exhibit C - Plans and Specifications of said Equalizing Reservoir.

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 Haystack Equalizing Reservoir and the storage of water from Deschutes River to be appropriated under Application No. 24921, Permit No. 23196 for irrigation.

The right hereunder shall be limited to the storage of 6000 cubic feet

The prior to date of this permit is July 12, 1955

Actual construction work shall begin on or before September 22, 1956 and

shall thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 1957

WITNESS my hand this 22nd day of September, 1955

Lewis G. Stanley
SPECIAL AGENT

Application No. *R-3229*
Reservoir Permit No. *R-1754*

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 *12th* day of *July*, 1955, at *1:00* o'clock *P.* M.

Returned to applicant:

Approved: *September 22, 1955*
Recorded in Book No. *6* of
Reservoirs, on Page *R-1754*

LEWIS A. STANLEY
STATE ENGINEER

Drainage Basin No. *5* page *227*

Paid 449.00