Reservoir Permit No. 2209

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

I, Talent Irrigation District
(Name of Applicant)

of Talent, Oregon
(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 Organized 1/16 under State Irrigation District Laws.

1. The name of the proposed reservoir is Emigrant

2. The name of the stream from which the reservoir is to be filled and the appropriation made is Hyatt Prairie Reservoir; Howard Prairie Reservoir; Little Beaver Creek, Soda Creek and South Fork of Little Beaver Creek, tributaries of Jenny Creek and Dead Indian Creek a tributary of Little Beaver Creek, all tributaries of Klamath River; ——— and Emigrant Creek tributary of a tributary of Bear Creek, a tributary of Rogue River

3. The amount of water to be stored is 15,000 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. 20, 21, 28, 29, 30, 31, 32, 33 and 34
(Give sections or townships to be submerged)
Tp. 39S, R. 2E, W. M., in the county of Jackson

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

(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 SE and NW SE, Sec. 21,
(Smallest legal subdivision)
Tp. 39S, R. 2E, W. M. The maximum height will be 120 feet above stream bed or ground surface on center line of dam. The length on top will be 730 feet; length on bottom 250 feet; width on top 35 feet; slope of front or water side 3:1 and 5:1 (Feet horizontal to 1 vertical); slope on back 2:1 and 2½:1 (Feet horizontal to 1 vertical); height of dam above water line when full 6 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.

7. *The construction of dam, the material of which it is to be built, and method of protection from waves are as follows:* Rolled earth and rock with heavy riprap face on upstream side

8. *The location of wasteway with dimensions are as follows:* Concrete uncontrolled ogee weir (State whether over or around the dam) with crest length 350', located 3000 feet west of dam. Maximum height of weir above original ground surface about 7 feet. Unlined spillway extends 3800' below weir to Emigrant Creek. Spillway capacity is 12,300 cfs.

9. *The location of outlet from the proposed reservoir, with character of construction and dimensions, are as follows:* 36" I.D. steel conduit in 7' H.S. Tunnel through right abutment of dam. (All dams across natural stream channels must be provided with an outlet conduit, of such capacity and location to pass the Bifurcation structure of downstream end to divide discharge between East Lateral and normal flow of the stream at any time.) Emigrant Creek Capacity of outlet is 24 cfs.

10. *The area submerged by the proposed reservoir, when full, will be* 220 *acres, with a maximum depth of water of* 122 *feet; and approximate mean depth of water* 75 *feet.*

11. *The estimated cost of the proposed work is $* [illegible]

12. *Construction work will begin on or before* about 2 years

13. *Construction work will be completed on or before* [illegible]

Talent Irrigation District
(Signature of applicant)
By R. M. Kent
Secretary

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: (corrected as of 2/24/58)

(b) Four collection canals, known as (1) Conde Creek Collection Canal; (2) Dead Indian Creek Collection Canal; (3) Daley Creek-Beaver Dam Creek Collection Canal; (4) South Fork Little Butte Creek Collection Canal, would be utilized to divert the water from the tributaries of the South Fork of Little Butte Creek to Howard Prairie Reservoir.

Conde Creek Collection Canal - Diversion point is located in the SW¼SW¼ Section 9, T. 38 S., R. 3 E., W.M., approximately 1990 feet South 5°00' East from the west quarter corner of Section 9. (Drawing 415-128-227 is in error as to course of Conde Creek; Geological Quad Sheet and field survey of canal location established correct location of diversion point). The Conde Creek Collection Canal, 14,000 feet long, capacity 24 c.f.s., will lead from diversion point to junction with Dead Indian Creek at point in SE¼SW¼ Section 15, T. 38 S., R. 3 E., W.M., said point being immediately above point of diversion from Dead Indian Creek described below.

Dead Indian Creek Collection Canal - Diversion point is located in the SW¼SW¼ Section 15, T. 38 S., R. 3 E., W.M., approximately 1670 feet North 35°00' West from the South quarter corner of Section 15. 60 c.f.s. will be diverted from Dead Indian Creek; the Dead Indian Creek Collection Canal, with a capacity of 84 c.f.s., will carry the combined diversion of Conde Creek and Dead Indian Creek in a generally northeasterly direction 3900 feet, over the divide between the Rogue River drainage and the Klamath River drainage, into Howard Prairie Reservoir.

Daley Creek-Beaver Dam Creek Collection Canal - Diversion point from Daley Creek is located in the SW¼SW¼ Section 34, T. 37 S., R. 4 E., W.M., approximately 750 feet North 23°00' East from the South quarter corner of Section 34; 25 c.f.s. will be diverted from Daley Creek and will be carried by the collection canal southwesterly 13,000 feet to the point of diversion from Beaver Dam Creek; this point is located in the NW¼NW¼ of Section 4, T. 38 S., R. 4 E., W.M., approximately 2100 feet North 18°00' West from the south quarter corner of Section 4. 40 c.f.s. will be diverted from Beaver Dam Creek, and the collection canal, with a capacity of 65 c.f.s., will continue generally northwesterly 6000 feet to a junction with the South Fork Little Butte Creek Collection Canal at a point in the NW¼NW¼ of Section 5, T. 38 S., R. 4 E., W.M., crossing Deadwood Creek in a siphon structure.

South Fork Little Butte Creek Collection Canal - Diversion point from South Fork Little Butte Creek is located in the NE¼SE¼ Section 16, T. 37 S., R. 4 E., W.M., approximately 1350 feet south 35°00' West of the east quarter corner of Section 16. 65 c.f.s. will be diverted from South Fork Little Butte Creek and will be carried by the collection canal southwesterly 13,000 feet to the point of diversion from Pole Bridge Creek; this point is located in the NE¼NW¼ Section 28, T. 37 S., R. 4 E., W.M., approximately 1400 feet South 22°00' West from the north quarter corner of Section 28. 5 c.f.s. plus or minus will be diverted from Pole Bridge Creek and the collection canal, with a capacity of 65 c.f.s. will continue south and westerly 13,000 feet to the point of junction with the Daley Creek-Beaver Dam Creek Collection Canal in the NW¼NE¼ of Section 5, T. 38 S., R. 4 E., W.M., crossing Beaver Dam Creek in a siphon structure. From this junction point, the collection canal will continue in a southwesterly direction, with a capacity of 130 c.f.s., 5000 feet to the upstream portal of the Deadwood Tunnel, located in the NE¼SE¼ of Section 6, T. 38 S., R. 4 E., W.M. The waters will then pass from the Rogue River drainage to the Klamath River drainage by way of the Deadwood Tunnel, capacity 130 c.f.s., length 37[illegible] feet, to the outlet of the tunnel, and thence 11,000 feet by way of [illegible] Creek southwesterly into Howard Prairie Reservoir.

(c) Howard Prairie Dam, located in the E½SW¼ Section [illegible] S., R. 4 E., W.M., will impound and collect for diversion, all waters of Grizzly Creek (Beaver Creek) and tributaries above the dam.

(d) The Howard Prairie Delivery Canal, capacity [illegible] c.f.s., will have its origin at Howard Prairie Dam and will carry the impounded water from the dam to the Keene Creek Reservoir, located in Section [illegible], T. 39 S., R. 4 E., W.M. The canal will be about [illegible] feet long and runs in a generally southwesterly direction, [illegible] following sections: 32 and 33, T. [illegible] S., R. [illegible] E., W.M.; [illegible] 15, 16, 21, 28, 29, 30, 31, T. 39 S., R. [illegible] E., W.M.; [illegible] 33 and [illegible], T. 39 S., R. 3 E., W.M.; and 1, 2, [illegible] R. 3 E., W.M. Soda Creek and Little Beaver Creek, tributary to Grizzly Creek, will be diverted into the Howard Prairie Delivery Canal. Point of diversion on Soda Creek is located in SW¼NW¼ Section [illegible], T. 39 S., R. 4 E., W.M., approximately 2220 feet South 2°30' East of the northwest section corner of Section 8; 11 c.f.s. will be diverted into the Soda Creek Feeder Canal which will run northeasterly [illegible] feet to a junction with the Howard Prairie Delivery Canal in the E½NW¼ of Section 9, T. 39 S., R. 4 E., W.M. Point of diversion on Little Beaver Creek is located in the SE¼SW¼ Section [illegible], T. [illegible] S., R. 4 E., W.M., approximately 800 feet North 48° West from the south quarter corner of Section 19. 24 c.f.s. will be diverted into the Little Beaver Creek Feeder Canal, which will run southwesterly [illegible] feet to a junction with the Howard Prairie Delivery Canal in the E½NW¼ of Section [illegible], T. [illegible].

(Note - See Specifications No. DC-4427 - Proposed [illegible] for South Fork Little Beaver Creek, East Fork Corral Creek, [illegible] Creek to be passed under the Howard Prairie Delivery Canal in inverted siphon structures, and hence there will be no diversion from these creeks.)

(e) Keene Creek Dam will impound water [illegible] Howard Prairie Delivery Canal and will also divert all water in [illegible] tributaries above the dam. The dam is located in the SW¼SE¼ Section 33, T. 39 S., R. 3 E., W.M.

(f) From Keene Creek [illegible] Green Springs Power Plant Penstock will carry [illegible] to the Green Springs Power Plant, located in the SW¼SE¼ [illegible] T. 40 S., R. 2 E., W.M. The water is carried through the [illegible] between the Klamath River Drainage and [illegible] the Cascade Divide Tunnel, a part of the [illegible]

R- 2209

Plan of Development

The system will be an extension and addition to works of Talent Irrigation District.

Howard Prairie Reservoir in Klamath River drainage will be built to a capacity of [illegible] acre-feet. It will secure its water supply [illegible] South Fork Little Butte Creek [illegible] Big Bear Creek, Deadwood Creek and [illegible] Creek in Rogue River drainage as well as waters [illegible] flowing into the reservoir. Howard Prairie delivery canal will transport water into Rogue River drainage, through Green Springs power plant, and into an enlarged Emigrant Reservoir (45,000 acre-feet) for reregulation and storage. Along its route, Howard Prairie delivery canal will pick up water from Soda Creek, Little Beaver Creek, South Fork Little Beaver Creek, Corral Creek, and Keene Creek, all in Klamath River drainage.

Canals will take off from Emigrant Reservoir on the east side of Bear Creek Valley to serve lands of Talent Irrigation District.

In addition to storage at Howard Prairie and Emigrant, the existing Hyatt Prairie Reservoir with a capacity of 16,300 acre-feet will also provide a source of supply. Diversions from several streams entering the valley will also be made.

Green Springs power plant with one unit of 20,000 kw will utilize releases from Howard Prairie and Hyatt Prairie Reservoirs. Water passing through the power plant will be stored in Emigrant Reservoir.

[redacted] It is requested that the proposed appropriations listed in paragraph 8, and the storage thereof in Emigrant Reservoir, be granted from the waters withdrawn from appropriation by the State Engineer by authority of Chapter 87, Laws of Oregon for 1913 under application numbers R496, R497, and R498, all dated September 6, 1915. It is further requested that the priority date of September 6, 1915 be established for this application.

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 enlargement of Emigrant Reservoir and storage of water from Emigrant Creek, Conde Creek, Dead Indian Creek, South Fork Little Butte Creek, Polebridge Creek, Daley Creek, Beaver Dam Creek, Deadwood Creek and Grizzly Creek (known as Beaver Creek in application No. 4498) and Howard Prairie Reservoir; Soda Creek, Little Beaver Creek, Hyatt Prairie Reservoir and Keene Creek to be appropriated under application No. 28535, permit No. 25915 for irrigation, and is for the storage of waters withdrawn by application Nos. R-4497 and 4498. The water from all sources listed above except Emigrant Creek is to be diverted through the system described in application No. 28527, permit No. 25916.

The right hereunder shall be limited to the storage of 36,658 *acre feet.*

The priority date of this permit is June 8, 1953 for Soda and Little Beaver creeks and September 6, 1915 for all other streams which were withdrawn by application Nos. 4496 and 4498. *Actual construction work shall begin on or before* March 16, 1960 *and shall thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 19* 64.

WITNESS my hand this 16th *day of* March, *19* 59

Pierce A. Stanley
STATE ENGINEER

Application No. R-2659A

Reservoir Permit No. 2209

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 8th *day of* June, 1959, *at* 8:00 *o'clock* A *M.*

Returned to applicant:

Approved:

March 16, 1959

Recorded in Book No. 8 *of Reservoirs, on Page* 2209.

LEWIS A. STANLEY
STATE ENGINEER

Drainage Basin No. 17 *page* 36, 33