Permit No. 25916

*APPLICATION FOR PERMIT

To Appropriate the Public 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 appropriate the following described public waters of the State of Oregon, SUBJECT TO EXISTING RIGHTS:

If the applicant is a corporation, give date and place of incorporation Organized 1916 under State irrigation district laws

1. The source of the proposed appropriation is Hyatt Prairie Reservoir; Howard Prairie Reservoir; several tributaries of South Fork Little Butte Creek, a tributary of Rogue River shown herein under Remarks (b); several tributaries of Jenny Creek, a (Name of stream) tributary of Klamath River shown herein under Remarks (c), a tributary of

2. The amount of water which the applicant intends to apply to beneficial use is 160 cubic feet per second. 80.4 cfs maximum from any of the sources listed in par. 1 above (If water is to be used from more than one source, give quantity from each)

**3. The use to which the water is to be applied is Power (Irrigation, power, mining, manufacturing, domestic supplies, etc.)

4. The point of diversion is located ~~..... ft. ..... (N. or S.) and ..... ft. ..... (E. or W.) from the corner of~~ Howard Prairie Dam, Hyatt Prairie Dam, and the streams listed under Remarks (b) and (c). See enclosed map for approximate location of diversion sites. (Section or subdivision)

(If preferable, give distance and bearing to section corner)

(If there is more than one point of diversion, each must be described. Use separate sheet if necessary)

being within the ..... (Give smallest legal subdivision) of Sec. ....., Tp. ..... (N. or S.), R. ..... (E. or W.), W. M., in the county of .....

5. The Howard Prairie Delivery Canal and power plant penstock (Main ditch, canal or pipe line) to be ..... (Miles or feet) in length, terminating in the SW¼ NE¼ (Smallest legal subdivision) of Sec. 2, Tp. 40 S. (N. or S.), R. 2 E. (E. or W.) W. M., the proposed location being shown throughout on the accompanying map.

DESCRIPTION OF WORKS

Diversion Works—Six structures on South Fork-Big Draw Collection Canal; one structure on Dead Indian Canal; and six structures to be provided on Howard Prairie Delivery Canal

6. (a) Height of dam less than 10 feet, length on top varies feet, length at bottom varies feet; material to be used and character of construction rockfill with concrete or timber cutoff. (Loose rock, concrete, masonry, rock and brush, timber crib, etc., wasteway over or around dam) Uncontrolled spillway over crest of dam

(b) Description of headgate Concrete headworks provided with single rectangular slide headgate or radial gate. (Timber, concrete, etc., number and size of openings)

(c) If water is to be pumped give general description ..... (Size and type of pump)

(Size and type of engine or motor to be used, total head water is to be lifted, etc.)

*A different form of application is provided where storage works are contemplated.

**Application for permits to appropriate water for the generation of electricity, with the exception of municipalities, must be made to the Hydroelectric Commission. Either of the above forms may be secured, without cost, together with instructions by addressing the State Engineer, Salem, Oregon.

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Canal System or Pipe Line—

7. (a) Give dimensions at each point of canal where materially changed in size, stating miles from headgate. At headgate: width on top (at water line) 10.5 feet; width on bottom 7 feet; depth of water 2.8 feet; grade 0.5 feet fall per one thousand feet.

(b) At 19 miles from headgate: ~~width on top (at water line)~~ Start pipeline feet; width on bottom ..... feet; depth of water ..... feet; grade ..... feet fall per one thousand feet.

(c) Length of pipe, 23,700 ft.; size at intake, 57 in.; size at 13,730 ft. from intake 55 in.; size at place of use 43 in.; difference in elevation between intake and place of use, 2,000 ft. Is grade uniform? No Estimated capacity, 160 sec. ft.

8. Location of area to be irrigated, or place of use .....

Township	Range E. or W. of Willamette Meridian	Section	Forty-acre Tract	Number Acres To Be Irrigated
40 S.	2 E.	2	SW¼ NE¼	-

(If more space required, attach separate sheet)

(a) Character of soil .....

(b) Kind of crops raised .....

Power or Mining Purposes—

9. (a) Total amount of power to be developed 36,363.6 ~~27,000~~ theoretical horsepower.

(b) Quantity of water to be used for power 160 sec. ft.

(c) Total fall to be utilized 2,000 (Head) feet.

(d) The nature of the works by means of which the power is to be developed By Pelton turbine connected to 20,000 kw generator

(e) Such works to be located in SW¼ NE¼ (Legal subdivision) of Sec. 2, Tp. 40 S. (No. N. or S.), R. 2E. (No. E. or W.), W. M.

(f) Is water to be returned to any stream? yes (Yes or No)

(g) If so, name stream and locate point of return Emigrant Creek in SW¼ NE¼, Sec. 2, Tp. 40 S. (No. N. or S.), R. 2E. (No. E. or W.), W. M.

(h) The use to which power is to be applied is General distribution by either the present utility operating in the area or by Bonneville Power Administration

(i) The nature of the mines to be served .....

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 62,000 acre-feet. It will secure its water supply from a collection system tapping South Fork Little Butte Creek, Fulghridge Creek, Daley Creek, Big Draw Creek, Deadwood Creek and Dead Indian Creek in Rogue River drainage as well as minor tributaries 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.

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 1590 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 SW¼SE¼ 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 NE¼SW¼ 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 NE¼NE¼ 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 38°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 NW¼NW¼ 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 3700 feet, to the outlet of the tunnel, and thence 11,000 feet by way of Grizzly Creek southwesterly into Howard Prairie Reservoir.

(c) Howard Prairie Dam, located in the E½SW¼ Section 32, T. 38 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 60 c.f.s., has its origin at Howard Prairie Dam and will carry the impounded water from the dam to the Keene Creek Reservoir, located in Section 33, T. 39 S., R. 4 E., W.M. The canal will be about 98,700 feet long, and runs in a generally southwesterly direction, passing through the following sections: 32 and 36, T. 38 S., R. 4 E., W.M.; 4, 8, 9, 15, 16, 21, 28, 29, 30, 31, T. 39 S., R. 4 E., W.M.; 25, 33 and 36, T. 39 S., R. 3 E., W.M.; and 1, 2, 3, and 4, T. 40 S., R. 3 E., W.M. Soda Creek and Little Beaver Creek, tributary to Jenny Creek, will be diverted into the Howard Prairie Delivery Canal. Point of diversion on Soda Creek is located in SW¼NW¼ Section 8, T. 39 S., R. 4 E., W.M., approximately 2220 feet South 2°00' East of the northwest section corner of Section 8; 11 c.f.s. will be diverted by the Soda Creek Feeder Canal which will run northeasterly 8400 feet to a junction with the Howard Prairie Delivery Canal in the NE¼NW¼ of Section 9, T. 39 S., R. 4 E., W.M. Point of diversion on Little Beaver Creek is located in the SE¼SW¼ Section 19, T. 39 S., R. 4 E., W.M., approximately 880 feet North 48°00' West from the south quarter corner of Section 19. 24 c.f.s. will be diverted by the Little Beaver Creek Feeder Canal, which will run southwesterly 2800 feet to a junction with the Howard Prairie Delivery Canal in the SE¼NW¼ of Section 30, T. 39 S., R. 4 E., W.M.

(Note - See Specifications No. DC-4947 - Present plans are for South Fork Little Beaver Creek, East Fork Corral Creek, and Corral Creek to be passed under the Howard Prairie Delivery Canal by culvert structures, and hence there will be no diversion from these three creeks.)

(e) Keene Creek Dam will impound water from the Howard Prairie Delivery Canal and will also divert all water from Keene Creek and tributaries above the dam. The dam is located in the S½SW¼ of Section 33, T. 39 S., R. 3 E., W.M.

(f) From Keene Creek Dam, the Green Springs Power Conduit and Green Springs Power Plant Penstock will carry the diverted water to the Green Springs Power Plant, located in the SW¼NE¼ of Section 2, T. 40 S., R. 2 E., W.M. The water is carried through the divide between the Klamath River drainage and the Rogue River drainage by the Cascade Divide Tunnel, a part of the Green Springs Power Conduit.

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Municipal or Domestic Supply—

10. (g) To supply the city of _____ **County, having a present population of** _____

(Name of)

and an estimated population of _____ **in 19**_____.

(b) If for domestic use state number of families to be supplied _____

(Answer questions 11, 12, 13, and 14 in all cases)

11. Estimated cost of proposed works, $10,000,000 (Delivery canal penstock, and power plant)

12. Construction work will begin on or before 2 years

13. Construction work will be completed on or before 6 years after beginning

14. The water will be completely applied to the proposed use on or before 7 years after beginning construction

Talent Irrigation District
(Signature of applicant)

B. R. M. Kent
Secretary

Remarks: (a) It is requested that the proposed appropriations listed in paragraph 1 above 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 4496, 4497, and 4498, all dated September 6, 1915. It is further requested that the priority date of September 6, 1915 be established for this application.

(b) Two collection canals known as Big Draw-South Fork Collection Canal and Dead Indian Collection Canal would be utilized to divert the waters from the tributaries of the South Fork of Little Butte Creek to Howard Prairie Reservoir. Big Draw-South Fork Collection Canal would intercept runoff from South Fork of Little Butte Creek, Big Draw Creek, Daley Creek, Deadwood Creek, Polebridge Creek, and other unnamed streams and springs.

South Fork Collection Canal with a capacity of 76 cfs will divert from the South Fork of Little Butte Creek 1137.0 feet N. 90° 0' W. of NE corner sec. 20, T. 37 S., R. 4 E. and will extend from the point of diversion to the outlet of Big Draw siphon, a distance of 16,400 feet.

Big Draw Collection Canal will divert 30 cfs from Daley Creek at a point of diversion 500 feet N. 18° 0' E. from SW corner sec. 34, T. 37 S., R. 4 E. and cross Big Draw and Deadwood Creeks at diversion structures and join South Fork Collection canal at the point of crossing Big Draw Creek. At the point of diversion from Big Draw Creek located 1,000 feet S. 30° 0' E. of NW corner sec. 4, T. 38 S., R. 4 E., 75 cfs will be diverted from Big Draw Creek and 15 cfs will be diverted from Deadwood Creek at a point of diversion 1,535 feet S. 66° 30' W. from NE corner sec. 5, T. 38 S. R. 4 E. From Big Draw Creek the canal will follow a general southeasterly direction 40,100 feet to Howard Prairie Reservoir and have a capacity of 105 cfs.

Dead Indian Collection Canal will divert 60 cfs from Dead Indian Creek at a diversion point 1,670 feet N. 35° 0' W. from SE corner of sec. 15, T. 38 S., R. 3 E. and follow a general northeasterly direction 2,600 feet to Howard Prairie Reservoir.

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 correction and fees

In order to retain its priority, this application must be returned to the State Engineer, with corrections on or before March 3, 1958.

WITNESS my hand this 30th *day of* December, 1957.

LEWIS A. STANLEY
STATE ENGINEER

By Chris L. Wheeler
Chris L. Wheeler, Assistant

eh

PERMIT

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 EXISTING RIGHTS and the following limitations and conditions:

The right herein granted is limited to the amount of water which can be applied to beneficial use and shall not exceed 160 c.f.s. measured at the inlet of Green Springs Power Conduit. This permit further grants the right to divert not to exceed 160 c.f.s. from Keene Creek and Hyatt Prairie Reservoir; said 160 c.f.s. being a part of the total diversion of 160 c.f.s. allowed herein; further grants the right to divert not to exceed 60 c.f.s. from Little Beaver Creek, Soda Creek and Grizzly Creek (tributaries of Jenny Creek) a tributary of Klamath River, Howard Prairie Reservoir and South Fork Little Butte Creek and its tributaries (Polebridge Creek, Daley Creek, Beaver Dam Creek, Deadwood Creek, Conde Creek and Dead Indian Creek), South Fork Little Butte Creek and its tributaries being diverted into and through Howard Prairie Reservoir constructed under application No. R-28536, permit No. R-2210; said 60 c.f.s. being a part of the total diversion of 160 c.f.s. allowed herein and further grants the right to divert not to exceed 24 c.f.s. from Little Beaver Creek; 11.1 c.f.s. from Soda Creek; 60 c.f.s. from Grizzly Creek; 60 c.f.s. from Dead Indian Creek; 25 c.f.s. from Conde Creek; 15 c.f.s. from Deadwood Creek; 40 c.f.s. from Beaver Dam Creek; 25 c.f.s. from Daley Creek; 10 c.f.s. from Polebridge Creek and 60 c.f.s. from South Fork Little Butte Creek, the total from said streams not to exceed 60 c.f.s. which quantity is a part of the total authorized diversion from the Jenny Creek and South Fork Little Butte Creek watersheds to Emigrant Creek watershed. No water may be diverted from Little Butte Creek watershed for direct appropriation as a part of the 160 c.f.s. herein granted when the total diversion of 160 c.f.s. can be taken from the natural flow of the tributaries of Jenny Creek.

The right herein granted is for the use of waters withdrawn by application No. 4496 and application No. 4498.

The use to which this water is to be applied is generation of electric power, and shall be subject to such reasonable rotation system as may be ordered by the proper state officer.

The priority date of this permit is June 8, 1953 for Soda Creek and Little Beaver Creek, and September 6, 1915 for all other streams which were withdrawn by application No. 4496 and application No. 4498. Grizzly Creek as listed herein is known as Beaver Creek in application No. 4498.

Actual construction work shall begin on or before March 16, 1960 and thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 1964.

Complete application of water to the proposed use shall be made on or before October 1, 1964.

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

Lewis A. Stanley
STATE ENGINEER

Permits for power development are subject to the payment of annual fees as provided in sections 1 and 2, chapter 74, Oregon Laws 1933.

Application No. 28537
Permit No. 23111

PERMIT
TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF OREGON

Division No. ..... *District No.* .....

This instrument was first received in the office of the State Engineer at Salem, Oregon, on the 9th *day of* June, 1958, *at* 1:00 *o'clock* A *M.*

Returned to applicant: December 30, 1957

Corrected application received:

Approved: March 16, 1959

Recorded in book No. 70 *of Permits on page* 23111

LEWIS A. STANLEY
STATE ENGINEER

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