CERTIFICATE NO. 45371

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

	(Name of Applicant)
ofRt. l, Box 338	West Linn, Oregon
(Mailing address)	(City)
State of, Oregon, 97068, o	lo 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 dat	e and place of incorporationN/A
1. The name of the proposed reservoir is	Macken(if a name is needed)
	he reservoir is to be filled and the appropriation made is
tributary of Taulatin River	
	31,000 gal pare feet.
	vater is For Fire Protection(see attached) (Irrigation, power, domestic supply, etc.)
	will be in Sec. 33 (Give sections or townships to be submerged)
Tp. 2 S, R. 1E, W.M., in the count	y of Clackmas (see attached)
(a) State whether situated in channel of	f running stream and give character of material at outlet
I proposed to divert the stream 12	feet in from the old channel into a natural
	urned to the natural channel like feet downstream (attached) SEE DRAWING state how it is to be filled. If through a feed canal, give
name and dimensionsAs above The stre	am will be diverted 12 feet in from the old
channel into a natural basin. The str	ream flow will be returned to the nautral
channel 44 feet downstream.	
6. The dam will be located in See expl	anation attached NF/4 SF/Sec. 33 (Smallest legal subdivision)
	um height will be 2.5 feet above stream bed or ground
surface on center line of dam. The length on top	will be 100 feet; length on
bottom 661 deepest area feet; width	on top30! widest point feet; slope on front
or water sidel foot; slope on ba	ck; height of dam above water line (Feet horizontal to 1 vertical)
when full feet. • A different form of application should be used for the without charge, together with instructions, by addressing the S	appropriation of stored water to beneficial use. Such forms can be secured tate Engineer, Salem, Oregon 97310.

waves are as follows: The dam will be 2.5 feet in height and 9 feet long. A sloping dirt and rock fill extending 6 to the upstream toes. The impounded water will lay in a natural basin. The basin will be due deeper to accommodate the necessary gallonage. The dam itself will be 2.5 feet in height of which the water will not reach higher them. A.5 feeton the dam. The impoundment is of such a small size and . 3. The location of westernay with dimensions are as follows: If my under of the franchis is correct the wasteway and the spillway will be the same on this dam. The spillway will be the left he feet of the dam(apstream view). 9. The location of outlet from the proposed reservoir, with character of construction and dimensions, are as follows: If he Droposed that the spillway will be the left he feet of the dam(arstream view). 10. The simulation of the disconstitution and dimensions, are as follows: The spillway will be 1 foot lower then the high point leaded by the seamed are stored on the dam and the case of the disconstitution of the dam allowing the water to drop 1 foot to the natural stream bad of rock. (See linearks attached) 10. The area submerged by the proposed veservoir, when full, will be 100 foot to the natural stream bad of rock. (See linearks attached) 11. The estimated cost of the proposed work is \$ 150. 12. Construction work will begin on or before Immediately after approval 13. Construction work will begin on or before July 22, 1972. 14. This is to certify that I have examined the foregoing application, together with the accompanying maps and data, and return the same for	7. The construction of dam, the	e material of which it is to be built, and method of protection from
in a natural basin. The basin will be dug deeper to accommodate the necessary gallonage. The dam itself will be 2.5 feet in height of which the water will reach higher then 1.5 feeton the dam. The impoundment is of such a small edge and (SES Repairs) 8. The location of wasteway with dimensions are as follows: If my understanding 18 (Character) correct the wasteway and the spillway will be the same on this dam. The spillway will be the left hefet of the dam(upstream view). 9. The location of outlet from the proposed reservoir, with character of construction and dimensions, are as follows: 11 is processed that the spillway will be the left hefet is feet of the dam(upstream view). 9. The location of outlet from the proposed that the spillway will be the left hefet of the dam (upstream view). 12 is processed that the spillway will be the left he feet of the dam (upstream view). The spillway will be 1 foot lower then the high point beaton has be sensed as with a swall will be a life of the natural stream bed of rock. (See Remarks attached) 10. The area submerged by the proposed reservoir, when full, will be stream as tatached) 11. The estimated cost of the proposed acres of the proposed acres with a maximum depth of water of the proposed work is \$. 150 12. Construction work will begin on or before Immediately after approval 13. Construction work will begin on or before Immediately after approval 14. The stimated cost of the proposed work is \$. 150 15. 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 and completion In order to retain its priority, this application must be returned to the State Engineer, with corrections on or before July 17	waves are as follows: The dam will	be 2.5 feet in height and 9 feet long. A sloping
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CHRIS L. WHEELER CHRIS L. WHEELER STATE ENGINEER Wayne J. Overcash Assistant	WITNESS my hand this1;	7th day of May., 1972
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Wayne J. Overcash Assistant	المنطق المستدر	STATE ENGINEER
		STATE ENGINEER

Remarks: #4 the basic use for this point will be for Firefrond with a condary use of watering a small garden. I have two pumps. One of the pumps is	 3
a 1HP portable utility pump capable of pumping 1730 gal. per hour. The other pu	пр
is a 3/4HP portable utility pump capable of pumping 1470 gal. per hour. The one pump will be maintained at the pond and the other at the stock tank 150 feet up	₃(⊥nr the
hill near the barn.	
However, the rea purpose of the pond is to be able, in case of a House fire, to 30,000 gal. of water to the Fire Department to help cover my Home, or a neighbor	offer s.
should the nee arise. Our home is about 6 miles from the Hural Fire Department	
servicing this district and a 1 1/4 miles from the nearest hydrant.	
#5 The reservoir is located 1690 North thence West 170 feet of the S.E. corne Section 33, Township 2S and Range 1E of Clackmas county.	r of
#5a The material at he outlet is gravel and rock.	·
#6 The dam is located 1690 feet North thence West 170 feet of the S.E. corner Section 33, Township 2S, and Range 1E within the Bosky Dell Subdivision of the Saffaren's D.L.C.	of
#7since it is in a natural basin area. I do not feel there can be any danger fr breakage or waves.	om···
#% Ther will be two 1 3/4 inchpipes (see example drawing) extenting thru the dam fill area for drainage purpose should the need arise. Should during high water water starts to backup, or the spillway is not able to handle the flow, the over will automatically revert back to the old channel. This will happen by setting spillway at 1½ to 2 inches lower then the natural stream bed at the original dive point of the channel. Inaddition a gate (4 x 12 x 5+) will be placed at the diversion point diverting the stream into the old channel at any time it is deem	the flow the rsion
necessary.	
ATTACHED MAPS	
DRAWINGS	

STATE OF OREGON,)	
ss.	
County of Marion,)	
This is to certify that I have examined the foregoing application and do hereby grant the s	ame,
subject to the following limitations and conditions: The right herein granted is limited to the constru	ction
of Macken Reservoir and the storage of water from Fields Stream to be appropriat	
under application No. 48939, permit No. 36043, for fire protection	••••••
The right hereunder shall be limited to the storage of 31,000 gallons	spectic
The priority date of this permit is April 19, 1972	
Actual construction work shall begin on or before August 1, 1973	. an d
shall thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 19	
WITNESS my hand this <u>lst</u> day of <u>August</u> , 19.72.	
WIINESS my nana ims	
ali-tole	
STATE ENGIN	EER

Application No. K.49171

Reservoir Permit No. R 5830

To construct a reservoir and store for bene-ficial use the unappropriated waters of the State of Oregon.

on the 19th day of April 1972, at 8 o'clock N M. office of the State Engineer at Salem, Oregon, This instrument was first received in the

Returned to applicant:

Approved:

August 1, 1972

Recorded in Book No. ..

.... of

Reservoirs, on Page R 5830

State Engineer

CHRIS L. WHEELER

Drainage Basin No. 2 page 62B/A

SP*45692-119