Permit No. 9739

CERTIFICATE NO. 9733

*APPLICATION FOR A PERMIT

To Appropriate the Public Waters of the State of Oregon

I, DELLMOOR CRANBERRY COMPANY (Name of applicant)

of Warrenton (Postoffice), County of Clatsop,

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

Incorporated May 9th, 1925, Astoria, Oregon

1. The source of the proposed appropriation is Cullaby Creek (Name of stream), a tributary of Cullaby Lake

2. The amount of water which the applicant intends to apply to beneficial use is 18 cubic feet per second.

(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 Flooding cranberry bogs (Irrigation, power, mining, manufacturing, domestic supplies, etc.)

4. The point of diversion is located No. 1 600 ft. N (N. or S.) and 150 ft. W (E. or W.) from the 1/4 corner of between Sections 26 and 27, T. 7 N., R. 10 W. No. 2 1450 ft. N. and 250 ft. W. from said 1/4 corner. (Section or subdivision)

(If preferable, give distance and bearing to Sec. Cor.)

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

being within the No. 1 $SE\frac{1}{4}NE\frac{1}{4}$, No. 2 $NE\frac{1}{4}NE\frac{1}{4}$ (Give smallest legal subdivision) of Sec. 27, Tp. 7 N (No. N. or S.), R. 10 (No. E. or W.), W. M., in the county of Clatsop.

5. The Ditch (Main ditch, canal or pipe line) to be 1/2 mile (No. miles or feet) in length, terminating in the $SE\frac{1}{4}$ of the $NE\frac{1}{4}$ (Smallest legal subdivision) of Sec. 27, Tp. 7 N (No. N. or S.), R. 10 (No. E. or W.), W. M., the proposed location being shown throughout on the accompanying map.

6. The name of the ditch, canal or other works is none

DESCRIPTION OF WORKS

DIVERSION WORKS—

7. (a) Height of dam ..... feet, length on top ..... feet, length at bottom ..... feet; material to be used and character of construction ..... (Loose rock, concrete, masonry, rock and brush, timber crib, etc., wasteway over or around dam)

(b) Description of headgate ..... (Timber, concrete, etc., number and size of openings)

* A different form of application is provided where storage works are contemplated. These forms can be secured without charge, together with instructions, by addressing the State Engineer, Salem, Oregon.

CANAL SYSTEM OR PIPE LINE

8. (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) ..... feet; width on bottom ..... feet; depth of water ..... feet; grade ..... feet fall per one thousand feet.

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

(c) Length of pipe, ... ft.; size at intake, ...in.; size at ..... ft. from intake ..... in.; size at place of use ..... in.; difference in elevation between intake and place of use, ... ft. Is grade uniform? ..... Estimated capacity, ... sec. ft.

FILL IN THE FOLLOWING INFORMATION WHERE THE WATER IS USED FOR IRRIGATION—

9. The land to be irrigated has a total area of ..... acres, located in each smallest legal subdivision, as follows: .....

Township	Range	Section	Forty-acre Tract	Number Acres to be Irrigated
7 N	10 W	27	Lot 1 ($NW\frac{1}{4}NE\frac{1}{4}$)	5
			$NE\frac{1}{4}$ of $NE\frac{1}{4}$	5
			Lot 2 ($SW\frac{1}{4}NE\frac{1}{4}$)	20.36
			$SE\frac{1}{4}$ of $NE\frac{1}{4}$	30
			Lot 3 ($NW\frac{1}{4}SE\frac{1}{4}$)	7.86
			Lot 4	7.50
			$NW\frac{1}{4}$ of $SE\frac{1}{4}$	40

(If more space required, attach separate sheet)

(a) Character of soil peat

(b) Kind of crops raised cranberries

POWER OR MINING PURPOSES—

10. (a) Total amount of power to be developed ..... theoretical horsepower.

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

(c) Total fall to be utilized ..... feet.
(Head)

(d) The nature of the works by means of which the power is to be developed .....

(e) Such works to be located in ..... of Sec. .....,
(Legal subdivision)

Tp. ....., R. ....., W. M.
(No. N. or S.) (No. E. or W.)

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

(g) If so, name stream and locate point of return .....

....., Sec. ....., Tp. ....., R. ....., W. M.
(No. N. or S.) (No E. or W.)

(h) The use to which power is to be applied is .....

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

DITCHES:

The ditches to be used in carrying water to and around the cranberry bogs are to be two (2) feet wide by two and one-half (2½) feet deep from the bottom to the bog level and five (5) feet deep from the bottom to the top of the dike. Owing to the uneveness of the ground, it will be necessary to raise the water level almost to the top of the dike to get complete coverage over all high spots.

PUMPS:

At Point of Diversion No. 1. There will be three (3) pumps installed at this point. The pumps to be installed will be three (3) Parma Water Lifters with six (6) inch inlet and ten (10) inch discharge, capable of pumping two thousand (2000) gallons per minute each. At Point of Diversion No. 2 At this point there will be installed one (1) pump with a six (6) inch inlet and a six (6) inch discharge, capable of pumping approximately fifteen hundred (1500) gallons per minute.

FOR WHAT PURPOSE AND WHEN WATER TO BE USED:

The water applied for under this application is to be used for flooding cranberry bogs for the purpose of frost and insect control.

For frost control, the water will be used between the time that the vines begin to bud and the time that the berries set on the vines. The bogs will be flooded only to a level that will permit the top portion of the vines to remain out of the water. It will only be necessary to flood for frost control at such times as the days and nights are cold, which is not very frequent between the times above mentioned. The approximate dates for flooding for frost control are between April 15 and July 1 of each year. It is estimated that, with the pumps and gravity flow applied for, from West Lake, will when it is necessary, to flood the bogs for frost control, will take about three (3) hours of pumping. Each day, as soon as the danger of frost is over, the water willbe let off the bogs back into the creek from whence it is taken, with the exception that the water taken from West Lake cannot be returned, but will be let out into Cullaby Creek.

For insect control, under present conditions, it will be necessary to flood the bogs two (2) times in the spring of the year. When flooded for insect control, it will be necessary to flood the bogs completely to the full height of the dike. It is estimated that, with the pumps and ditches to be constructed under this application, it will take about ten (10) hours to flood the bogs for insect control. As stated in the foregoing paragraph regarding frost control, the water will be released into Cullaby Creek.

Some time in November of each year, after the crop is harvested it will be necessary to flood the bogs and keep them flooded during the winter months. However, after the bog is completely flooded, it is thought that the level of the water can be kept up by natural rainfall.

MUNICIPAL SUPPLY—

11. To supply the city of .....

..... *County, having a present population of* .....
(Name of)

and an estimated population of ..... *in 192*.....

(Answer questions 12, 13, 14, and 15 in all cases)

12. Estimated cost of proposed works, $.....

13. Construction work will begin on or before .....

14. Construction work will be completed on or before .....

15. The water will be completely applied to the proposed use on or before .....

.....

DELLMOOR CRANBERRY COMPANY
(Name of applicant)

Francis T. Eagan, Secretary

.....

Signed in the presence of us as witnesses:

(1) H. E. Donbay (Name), ... (Address of witness)

(2) Albert Kennen (Name), Astoria, Oregon. (Address of witness)

Remarks: .....

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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 .....

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.....

.....

In order to retain its priority, this application must be returned to the State Engineer, with corrections on or before ....., *192*.....

WITNESS my hand this ..... *day of* ....., *192*.....

.....
STATE ENGINEER

9739(c)

Application No. 13573

Permit No. 9739

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 15th *day of* July, *192*30, *at* 8:00 *o'clock* A. *M.*

Returned to applicant:

.....

Corrected application received:

.....

Approved:

July 26, 1930

Recorded in book No. 32 *of Permits on page* 9739

RHEA LUPER
STATE ENGINEER

l p l h.
$27.00

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

PERMIT

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 amount of water which can be applied to beneficial use and shall not exceed 18 cubic feet per second, or its equivalent in case of rotation with other water users, from Cullaby Creek

The use to which this water is to be applied is Flooding Cranberry Bogs

.....

If for irrigation, this appropriation shall be limited to - - - of one cubic foot per second or its equivalent for each acre irrigated 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 July 15, 1930

Actual construction work shall begin on or before July 26, 1931 and shall thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 1932

Complete application of the water to the proposed use shall be made on or before October 1, 1933

WITNESS my hand this 26th day of July, 1930.

RHEA LUPER
STATE ENGINEER.

Permits for power development are subject to the limitation of franchise as provided in section 5728, Oregon Laws, and the payment of annual fees as provided in section 5803, Oregon Laws.