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SEP 27 1962
STATE ENGINEER
SALEM, OREGON

Permit No. G-2226

APPLICATION FOR A PERMIT

To appropriate the Ground Waters of the State of Oregon

I, Hercules Powder Company
(Name of applicant)
of P.O. Box 3939 Portland, county of Multnomah,
(Postoffice Address)
state of Oregon, do hereby make application for a permit to appropriate the following described ground waters of the state of Oregon, SUBJECT TO EXISTING RIGHTS:

If the applicant is a corporation, give date and place of incorporation

October 18, 1912 - Wilmington, Delaware

1. Give name of nearest stream to which the well, tunnel or other source of water development is situated Willamette River
(Name of stream)

tributary of Columbia River

2. The amount of water which the applicant intends to apply to beneficial use is _____ cubic feet per second or 800 gallons per minute, from 2 wells each of 400 g.p.m.

3. The use to which the water is to be applied is Industrial process cooling operations and effluent dilution.

4. The well or other source is located #1-230ft. S 1260ft. W NE
#2-680ft. N and 1970 ft. W from the NE
(N or S) (E or W)
corner of Sect. 29 T.1N. R.1E
(Section or subdivision)

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

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

being within the Peter Guild Donation Land of Sec. 29 Twp. 1N R. 1E
Claim
W. M., in the county of Multnomah

5. The pipe line to connect the two wells to be 1060 ft. and process operations
(Pipe line)
in length, terminating in the NW 1/4 of NE 1/4 of Sec. 29, Twp. 1N
(Smallest legal subdivision)

R. 1E W. M., the proposed location being shown throughout on the accompanying map.

6. The name of the well or other works is #1 and #2 wells.

DESCRIPTION OF WORKS

7. If the flow to be utilized is artesian, the works to be used for the control and conservation of the supply when not in use must be described.

Not expected

8. The development will consist of two wells having a
(Give number of wells, tunnels, etc.)
diameter of 12" inches and an estimated depth of 400 feet. It is estimated that 240
feet of the well will require 12" steel pipe casing. Depth to water table is estimated 26
(Kind) (Feet)
Each will have a capacity of approximately 400 g.p.m.

CANAL SYSTEM OR PIPE LINE—

9. (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.; 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.

10. If pumps are to be used, give size and type : 10" deepwell

Give horsepower and type of motor or engine to be used 40 H.P. Est.

11. If the location of the well, tunnel, or other development work is less than one-fourth mile from a natural stream or stream channel, give the distance to the nearest point on each of such channels and the difference in elevation between the stream bed and the ground surface at the source of development

12. Location of area to be irrigated, or place of use NW 1/4 of NE 1/4

Township N. or S.	Range E or W. of Willamette Meridian	Section	Forty-acre Tract	Number Acres To Be Irrigated
T. 1N	R. 1E	29	NW 1/4 NE 1/4	None Industrial

(If more space required, attach separate sheet)

Character of soil

Kind of crops raised

MUNICIPAL SUPPLY—

11. To supply the city of _____
in _____ county, having a present population of _____
and an estimated population of _____ in 19_____

ANSWER QUESTIONS 14, 15, 16, 17 AND 18 IN ALL CASES

- 14. Estimated cost of proposed works, \$ 25,000
- 15. Construction work will begin on or before July 5, 1962
- 16. Construction work will be completed on or before December 30, 1962
- 17. The water will be completely applied to the proposed use on or before March 1, 1963

18. If the ground water supply is supplemental to an existing water supply, identify any application for permit, permit, certificate or adjudicated right to appropriate water, made or held by the applicant. _____

HERCULES POWDER COMPANY

W. J. Jones, Jr.
Plant Manager

Remarks: _____

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

By _____

ASSISTANT

STATE OF OREGON,

PERMIT

County of Marion,

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 1.78 cubic feet per second measured at the point of diversion from the well or source of appropriation, or its equivalent in case of rotation with other water users, from two wells, being 0.89 c.f.s. from each of the two wells

The use to which this water is to be applied is industrial.

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 further limited to a diversion of not to exceed acre feet per acre for each acre irrigated during the irrigation season of each year;

and shall be subject to such reasonable rotation system as may be ordered by the proper state officer.

The well shall be cased as necessary in accordance with good practice and if the flow is artesian the works shall include proper capping and control valve to prevent the waste of ground water.

The works constructed shall include an air line and pressure gauge or an access port for measuring line, adequate to determine water level elevation in the well at all times.

The permittee shall install and maintain a weir, meter, or other suitable measuring device, and shall keep a complete record of the amount of ground water withdrawn.

The priority date of this permit is July 6, 1962

Actual construction work shall begin on or before December 10, 1963 and shall thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 1964

Complete application of the water to the proposed use shall be made on or before October 1, 1965

WITNESS my hand this 10th day of December, 1962

Chris L. Wheeler

STATE ENGINEER

Application No. G- 2374

Permit No. G- 2226

PERMIT

TO APPROPRIATE THE GROUND WATERS OF THE STATE OF OREGON

This instrument was first received in the office of the State Engineer at Salem, Oregon,

on the 6th day of July, 1962, at 8:00 o'clock A. M.

Returned to applicant:

Approved:

December 10, 1962

Recorded in book No. 9 of

Ground Water Permits on page 2226

CHRIS L. WHEELER STATE ENGINEER

Drainage Basin No. 3 page 30