

Application No. 17632

Permit No. 13424

Certificate No. 19542

Stream Index, Page No. 1-24

FEEES PAID

Date	Amount	Receipt No.
10/17/38	10.00	23508
2/21/39	2.00	24068
Total		
2/21/51	\$1 Cert. Fee	11682

FEEES REFUNDED

Date	Amount	Check No.

Name City of Astoria

By

Address Astoria, Oregon

Date filed October 14, 1938

Priority October 14, 1938

Action suspended until

Returned to applicant

Date of approval February 14, 1939

CONSTRUCTION

Date for beginning February 14, 1940

Date for completion October 1, 1940

Extended to

Date for application of water October 1, 1941

Extended to

ASSIGNMENTS

Date	To Whom	Address	Volume	Page

See App. No. 17631 }
Per. No. R. 724 }

REMARKS

Van Dyke in E-28-2

3.0 sq. ft. from Bear Creek & 2 Reservoirs for
Municipal Use
10-4-40 Card for B

PROSECUTION OF WORK

Form "A" filed November 15, 1939

Form "B" filed Oct 9, 1940

Form "C" filed Nov. 3, 1941

FINAL PROOF

Blank mailed 12-31-41 cc.

Proof received

APR 30 1951

Date certificate issued

NOTICE OF BEGINNING OF CONSTRUCTION

I, City of Astoria, the holder of Permit No. 13724 to appropriate the public waters of the state of Oregon, began the actual construction of the works described therein on the 20th day of November, 1938

Remarks: Work commenced by clearing & grubbing and The appropriator should state the manner of beginning construction work, number of men employed, the amount of work completed

practically complete at this date up to the date of this statement, and any additional information which may tend to show the beginning of work in good faith.

IN WITNESS WHEREOF, I have hereunto set my hand this 17th day of November, 1939

G. J. McLean (Signature of Witness)

City of Astoria City Manager (Signature of Applicant)

Astoria, Oregon (Address)

(Address)

Fill out, detach, and mail to the State Engineer, Salem, Oregon, when construction work is begun.

STATE PRINTING DEPT.

NOTICE OF COMPLETION OF CONSTRUCTION

I, City of Astoria, the holder of Permit No. 13724 to appropriate the public waters of the state of Oregon, completed the construction of the works described therein on the 1st day of December, 1939

Remarks: If the works have less capacity than described in the permit, or you have definitely abandoned part of the proposed development, you should so state in order that our records may not be unnecessarily encumbered.

IN WITNESS WHEREOF, I have hereunto set my hand this 19th day of April, 1940

Esther E. Juntti (Signature of Witness)

City of Astoria G. J. McLean City Manager (Signature of Applicant)

Astoria, Oregon (Address)

Astoria, Oregon (Address)

Fill out, detach, and mail to the State Engineer, Salem, Oregon, when construction work is completed.

NOTICE OF COMPLETE APPLICATION OF WATER TO A BENEFICIAL USE

I, City of Astoria, the holder of Permit No. 13724 to appropriate the public waters of the state of Oregon, completely applied the waters to a beneficial use in accordance with the terms of said permit, on the 1st day of March, 1940

Remarks: If all of the water granted in the permit has not been fully applied to beneficial use, you should so state.

IN WITNESS WHEREOF, I have hereunto set my hand this 19th day of April, 1940

Esther E. Juntti (Signature of Witness)

City of Astoria G. J. McLean (Signature of Applicant)

Astoria, Ore (Address)

City Manager Astoria Ore (Address)

Fill out, detach, and mail to the State Engineer, Salem, Oregon, when all of the water has been applied.

Permit No. 13424

Application No. 17632

County CLATSOP

PROOF OF APPROPRIATION OF WATER

- 1. Name City of Astoria, 2. Address Astoria, Oregon
- 3. Source of supply Bear Creek and Two Reservoirs constructed under Application No. 17631
 Permit No. R-724. (Middle Lake Res. & Wickiup Lake Res.)
- Tributary of Columbia River
- 4. Amount of water 3.0 cfs. 5. Priority date October 14, 1938
- 6. Use Municipal
- 7. Location of point of diversion SW¹/₄ SW¹/₄ Sec. 18, Twp. 7 N., Range 7 W., W. M.

8. The description of land given below corresponds to that found in your permit covering land to be irrigated, or, if for other purposes, the place of use. In the blank column on the right, headed "No. acres actually irrigated", fill in the number of acres you have irrigated in each of the tracts described:

Township	Range	Section	Forty-acre Tract	No. Acres Described in Permit	No. Acres Actually Irrigated
			Water used is for storage in reservoir and will be turned out of reservoir back into Bear Creek from which it was taken. It will then be carried down Bear Creek to the Existing dam and reservoir which is located in the SW ¹ / ₄ of the SE ¹ / ₄ of Section 27, Twp. 7 N., Range 9 W., W.M.		<i>Municipal Purposes</i>
			From this reservoir it will be carried through the existing pipe line to Astoria.		
			The City of Astoria has been using from Bear Creek since 1891 and has used the entire summer flow thereof and, although the City has no written State Water Right, they claim prior right to Ten (10) Second Feet from Bear Creek.		
			The proposed construction of reservoirs will augment the present storage facilities to an extent to where the full capacity of the present pipe line to Astoria can be utilized and 10 second feet drawn from Bear Creek. The present normal summer flow of Bear Creek is 6.0 Second Feet.		This column must be filled in if water is used in irrigation
8 N.	9 W.	(2-3-7-8-9-10-11-14-15-16-17-18-20-21-28.)			

(Attach separate sheet if necessary)

DESCRIPTION OF WORKS

SEE MAPS CONCERNING LOCATION & CONST. DETAIL OF DAMS & RESERVOIRS

9. (a) If a dam has been constructed, give description: Height, _____ ft.; length on top, _____ ft.; length on bottom _____ ft.; material used and character of construction, _____

Cap of lakes (pools formed by dams) 272,000,000 gallons

(b) Give description of headgate: Width, _____ ft.; depth, _____ ft.; material used and character of construction, SEE MAPS

(c) Size of canal: Width on top (at waterline) _____ ft.; width on bottom, _____ ft.; depth of water, _____ ft.; grade, _____ ft. fall per 1,000 ft. Actual capacity, _____ sec.-ft.

Give general description: 2-Reservoirs - Open earth exc. Conc. lined. 24,000,000 Gallon Capacity

(d) Pipe line: Description of intake, _____

Length of pipe 11.6 mi. 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, 426 ft.

Is grade uniform? _____ Actual capacity of pipe line, 52 M.G.D. sec-ft

Give general description: Transmission line 32" x 1/4" STEEL 11.6 miles
(Material: Steel, wrought, cast iron, wood stave, etc.)
Head Gates to RESERVOIRS

(e) Pumping plant: Give size and type of pump, _____

Suction lift, _____ ft.; discharge lift, _____ ft. Type of motor used _____

Horse power rating, _____ H. P. Actual capacity of pump, _____ sec.-ft.

10. During what months is water beneficially used? All year - 1,000,000 gal Average Daily Cons.

11. State character of soil _____

Kind of crops raised 300 SERVICES (METER)

12. Does the accompanying map, filed with your application, show correctly the point of diversion, area of land irrigated, or place of use? _____

13. If not, wherein is such map in error? _____

14. Domestic use: Give number of families actually using water at this time _____

15. If for power, mining, municipal, manufacturing, storage or any other purpose than irrigation, give extent and method of such use _____

AFFIDAVIT OF APPROPRIATOR

STATE OF OREGON,

County of Clatsop

} ss.

I, Brewer A. Billie, City Manager, City of Astoria, Oregon being first duly sworn, deposit and say that I have read the above and foregoing proof of appropriation of water; that I know the contents thereof, and that the facts therein stated are true.

IN WITNESS WHEREOF, I have hereunto set my hand this seventeenth day of February, 1951.

Brewer A. Billie

Subscribed and sworn to before me this _____ day of _____, 194_____

Notary Public for Oregon

[Notarial Seal]

My commission expires _____

AFFIDAVIT OF WITNESSES

STATE OF OREGON,

County of Clatsop

We, _____ and _____

of _____, being first duly sworn, depose and say that

we are well acquainted with the facts and conditions set forth in the foregoing statement relative to proof of appropriation of water under Permit No. _____; that we and each of us have been over and upon each tract described in said proof, and from such personal inspection have knowledge that all necessary ditches, dams and other diversion and distributing works have been constructed, and water used as stated therein; that we have carefully read such proof of appropriation, and that each and every statement contained therein is true to the best of our knowledge and belief.

Subscribed and sworn to before me this _____ day of _____, 194_____

Notary Public for Oregon

[Notarial Seal]

My commission expires _____

REPORT OF PERSON MAKING INSPECTION

(For use by representative of State Engineer)

I, H. S. Coffman, do hereby certify that I have made

an inspection of the works described herein and in Permit No. 13434, on the 30 day

of July, 1940, and found the foregoing statements and descriptions of works to

be accurate. In my opinion the appropriation has been completed to the extent of _____

(Quantity of water in second-feet or acre-feet)

and I recommend the issuance of water right certificate for this amount.

NOTICE TO INSPECTORS: If conditions do not justify the above report by you, please return the proof without your signature, with a full report by letter.

H. S. Coffman
Field Eng

Proof of appropriation of water under Permit No. _____ and each of its have been made and the well equipped with the best and most complete machinery in the territory relative to

County of _____
STATE OF OREGON

RECEIVED
FEB 20 1951
STATE ENGINEER
SALEM, OREGON

Receipt No. _____

Recording fee paid _____

Permit No. _____

PROOF OF APPROPRIATION

IN WITNESS WHEREOF I have hereunto set my hand this _____ day of _____ 1940

the contents hereof and that the facts therein stated are true and correct; and I have read the above and foregoing proof of appropriation of water and I know the contents hereof and that the facts therein stated are true and correct; and I have read the above and foregoing proof of appropriation of water and I know

County of _____
STATE OF OREGON

RECEIVED

CITY OF ASTORIA, OREGON

Date 7/10/1939

State Engineer
State of Oregon
Salem,
Oregon

We enclose herewith \$ 2.00
paying your invoices as listed below:

Payment made
on Permit for
Construction
Pro Oregon 1328 F

2.00

17631 2

Receipt
No. 24068
sent 7/27/39

CITY OF ASTORIA
By OK Atwood ^{AS}
AUDITOR

R-17631
17632

James E. Sexson
Director

August 28, 1975

Mr. Bruce J. Clausen, City Engineer
City of Astoria
1095 Duane Street
Astoria, Oregon 97103

Dear Sir:

During our recent inspection of the City's water supply reservoirs, I noted a dense growth of brush and small trees on the embankments forming Middle and Wickiup Lake reservoirs, particularly on the downstream faces. I suggest that this vegetation be removed. Removal, which is a standard maintenance procedure, will prevent possible formation of leakage paths by root intrusion into the fill, and will allow visual inspection for any cracking, sliding or leakage which might occur in the embankment.

With the exception of the partially deteriorated wooden culvert in the outlet channel of the Wickiup Lake spillway, I noted no structural deficiencies. As you advised me, materials have been ordered for replacement of the culvert.

Thank you for your consideration.

Very truly yours,

G. L. OERHOLTZER
Engineer

GLO:whh

February 13, 1951

City of Astoria
Astoria, Oregon

Gentlemen:

If you will sign and date the enclosed final proof on its second sheet and return the proof to this office, together with the statutory certificate recording fee of \$1.00, a certificate confirming the right under your Permit No. 13424 may be issued for the appropriation of 3.0 cubic feet of water per second from Bear Creek and two reservoirs for municipal supply.

These figures indicate the extent and limit of your water right as provided by law, and mark the completed right.

In the interest of economy and due to the fact that your completed project was examined by a representative of this office, it is not considered necessary that your signature be made before a notary public, nor that the signatures of witnesses be affixed to the proof.

Very truly yours,

Chas. E. Stricklin

CHAS. E. STRICKLIN
State Engineer

Enclosure
Form 114

17631
17632

November 5, 1941

Mr. G. T. McClean
City Manager
Astoria, Oregon

Dear Mr. McClean:

This acknowledges receipt of your letters of October 31, with which you submitted Form C, being notices of complete application of water under your Permits Nos. R-724 and 13424.

Pursuant to your reports, and in line with the general practice of this office, a survey will be made sometime next year for the purpose of checking the amount of water used as described in the permit. After this survey, proof may be made by you and certificate issued covering the actual use of water as found by the inspector.

In the meantime, the permit which you hold will be valid and sufficient evidence of your water right.

Very truly yours,

CHAS. E. STRICKLIN
State Engineer

By

Ed K. Humphrey, Ass't.

BB

17224

THE CITY OF ASTORIA, OREGON

MAYOR

MISSIONERS:

OTTO A. OWEN

DR. W. C. LOGAN

CITY MANAGER

G. T. McCLEAN

COMMISSIONERS:

AXEL WILLIAMS

ART HILDEBRAND

October 31, 1941

Mr. Chas. E. Stricklin
State Engineer
Salem, Oregon

RECEIVED
NOV 13 1941
STATE ENGINEER
SALEM, OREGON

Dear Sir:

Inclosed herewith is Notice of Complete
Application of Water under Permit No. 13424.

Yours very truly,

G. T. McClean
City Manager.

October 20, 1941

Mr. G. T. McClean, City Manager
City of Astoria
Astoria, Oregon

Dear Mr. McClean:

For your convenience in reporting complete application of water, or requesting an extension of time under your Permit No. 13424, covering the use of 3 c.f.s. of water from Bear Creek and two reservoirs, I am enclosing herewith a form "C" and a blank on which an application for an extension of time may be submitted.

Complete application of water means the actual use of all the water under this permit which it is intended to use at any time to the full extent of such intended use.

Very truly yours,

CHAS. E. STRICKLIN
State Engineer

By

Ed E. Humphrey, Assistant

EKH:dy
Encl.

October 10, 1940

City of Astoria
Astoria, Oregon

Gentlemen:

Attention: G. T. McCleen, City Mgr.

This acknowledges receipt of your letter of October 8th with which you enclosed notices of the completion of construction under Permits Nos. R-724 and 13424.

These notices have been filed and your permits are in good standing until October 1, 1941, when, under their terms, complete application of water should be accomplished.

Very truly yours,

CHAS. E. STRICKLIN
State Engineer

By

HE

Ed K. Humphrey, Assistant

17632

March 2, 1929.

City of Astoria,
Astoria, Oregon.

Gentlemen:

Herewith you will find Application No. 17632, Permit
No. 13424.

The application has been approved and recorded in
this office.

January 26, 1939

Mr. G. T. McClean
City Engineer
Astoria, Oregon

Dear Sir:

Upon rechecking Application No. 17632 in the name of the city of Astoria, it is noted that only \$10.00 in fees was submitted covering this application. The fees covering an application of this nature are computed as follows:

Examination.....	\$ 5.00
Recording for municipal use for the first sec.ft....	5.00
two additional sec.ft.... at \$1.00..	2.00

\$12.00

This leaves a balance due of \$2.00. Upon receipt of this amount, the matter of approval of your application by issuance of a permit will be given attention.

Very truly yours,

CHAS. E. STRICKLIN
State Engineer

By

EKH:RE

Ed K. Humphrey, Assistant

October 31, 1938.

Mr. G. T. McClean
City Engineer
Astoria, Oregon

Dear Mr. McClean:

This is to advise you that I have examined the revised plans of the Lake Wickiup reservoir and the Middle Fork reservoir storage dams, dated October 27, 1938, sheets 11 and 12, and the revised plans and specifications and will acknowledge receipt of your letter dated October 30, 1938, relative to the design of the spill way capacity.

You are advised that the plans and specifications are approved by me pursuant to section 47-702 Oregon Code 1930.

Yours very truly,

CHAS. E. STRICKLIN
State Engineer.

CEB:fb

October 24, 1938.

Mr. G. T. McClean
City Engineer
Astoria, Oregon

Dear Mr. McClean:

In accordance with Section 47-702
Oregon Code 1930, the writer will make an examination
of the proposed Middle Fork reservoir and Lake Wickup
reservoir on Thursday, October 27.

Trust this date will be satisfactory
to you if not let me know.

Yours very truly,

CHAS. E. STRICKLIN
State Engineer

By
L. A. McAllister, Ass't.

LANca:fb

October 20, 1938

Mr. G. T. McClean
City Engineer
Astoria, Oregon

Dear Mr. McClean:

This is to advise that I have examined the plans and specifications of the dams of the Middle Fork reservoir and the Lake Wickiup reservoir.

The law contemplates that before approval the State Engineer shall make an examination of proposed works. Therefore, I will endeavor to have an examination made of the sites sometime next week. You will be advised later of the definite date.

The specifications or the plans submitted do not show a log of materials upon which the dams are to be constructed or the character of the material with which the dams are to be constructed other than the rock specified.

It is noted from the specifications that the rock fill is to be compacted. I am wondering what plan you have of compacting the rock. The specifications provide also that the earth fill can be compacted by means of a tractor. There is a question in my mind as to whether or not the material can be compacted sufficiently by this method. If you will compute the weight of the tractor per square foot or inch, it will be relatively small compared with the standard specifications. I am enclosing a copy of the general specifications of the Rock Creek Dam which are somewhat standard specifications, and I would suggest that you give this matter careful consideration, particularly the matter of construction of the earth embankment. We can discuss this more fully at the time of the inspection.

It is noted that the specifications provide for some preparation of the foundation before placing the earth fill. However, no provisions are made for a cut-off trench. It is suggested that you give this matter careful consideration.

The spillway is another important detail and in connection therewith we would appreciate having the drainage area, and if you have any records of the run-off, we would appreciate being furnished with the same. If you do not have these records, we would appreciate receiving your computations for determining the capacity of the spillway.

October 20, 1938

It is noted that you contemplate some rock in the earth fill. With the type of dam which you have designed, it is very imperative that the earth portion be placed very carefully and that it is of suitable material. Usually all rocks in excess of 5 inches in diameter are removed before the earth portion of the dam is compacted, as the material cannot be rolled with rock larger than this diameter, and the amount of rock in the earth fill should be limited in order to permit the securing of a maximum density after compaction and prevent stratification.

It is noted also that the up-stream face of your dam is designed with slopes of 2:1 and 2 $\frac{1}{2}$:1. This is a detail which we will discuss after we have had an opportunity to examine the sites and the materials on which the dams are to be constructed.

Very truly yours,

CHAS. E. STRICKLIN
State Engineer

CES:nfw

October 17, 1938.

City of Astoria,
Astoria, Oregon.

Attention: Mr. G. T. McClean, City Engineer.

Gentlemen:

Receipt is hereby acknowledged of your letter of October 12, with which you enclosed an application for a permit to construct two reservoirs to be known as the Middle Reservoir and the Lake Wickiup Reservoir for the purposes of storing water from Bear Creek for municipal purposes in the City of Astoria and an application which I believe was intended to be a secondary application to accompany a reservoir application and to cover the appropriation of the stored water as described in the first application, together with fees in the amount of \$17.48. Receipt No. 23508 is enclosed.

The applications have been filed and given No. R-17651 and 17652, respectively.

In order that the secondary application; namely, No. 17652 may cover the appropriation of water from Bear Creek and the reservoirs as described under Application No. R-17651, as I believe is intended by you, I have partially filled out another application blank and am enclosing it herewith for your convenience in completing it by inserting under Item 2 the amount of water for which you wish to apply in second-feet or gallons per minute and by filling in under Item 3 the place of use contemplated as to forty-acre tract, section, township and range. The proper signatures should also be attached. This application has been endorsed so that in order to retain its priority it must be returned to this office within thirty days or on or before November 17, 1938.

You will be advised later concerning blue prints and specifications which were submitted with the above applications.

Very truly yours,

CHAS. E. STRICKLIN,
State Engineer.

By

Ed K. Humphrey, Assistant.

EKH:EB
encls.

M-10
R-17631
17632
March 2, 1964

MEMO

The reservoir in Section 2, Township 7 North, Range 8 West, does not appear to have any water right according to a notation on a map in application R-17631, the dam was built in 1911-13. Reportedly the dam was raised approximately 16 feet in 1953 and the new capacity is 700 acre feet. Stevens and Thompson reportedly did the engineering.

By
Jerry W. Eggleston,
Engineer

THE CITY OF ASTORIA, OREGON

COMMISSIONERS:

LLOYD VAN DUSEN

ANTON SORENSEN

MAYOR

J. C. TEN BROOK

CITY MANAGER

JAMES O. CONVILL

COMMISSIONERS:

WILLIAM MANNILA

OTTO A. OWEN

October 12-1938

RECEIVED
OCT 14 1938
STATE ENGINEER
SALMON CREEK

Mr. Chas. E. Stricklin,
State Engineer,
Salem, Oregon.

Dear sir:-

I am this day sending to you, under separate cover, copy of pland and specifications for the construction of two additional reservoirs in the BEAR CREEK headwaters.

You will note that the works proposed are an extension of the existing facilities of the City of Astoria and that these proposed reservoirs draw their storage waters from the same source as our present City of Astoria supply.

We realize that we have delayed considerable in forwarding this information to you but the assembly of final details was held up until approval of the project by the P.W.A.

P.W.A. requirements are that we have full plans and specifications in their office by Oct. 15th. This will be complied with. They also require that we begin the construction work not later than Nov. 25th. and, as it requires three weeks for bids to be advertised, we must begin such advertisement very shortly in order to comply with the date for commencing work.

It is for this reason that we are asking for the earliest possible action on our applications for water storage and construction of the dams and reservoirs as shown by the pland and specifications.

The City of Astoria apparently has never had a State Water Right on Bear Creek but has been using water therefrom since 1895 at which time they purchased the then existing water system from the Columbia Water Co.

Very sincerely yours

B. J. McLean
City Engineer

*APPLICATION FOR A PERMIT

To Appropriate the Public Waters of the State of Oregon

I, City of Astoria, a municipal Corporation organized under the laws of the State of Oregon (Name of applicant) of Astoria (Post office), 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 by an act filed with the Secretary of State on Feb. 18-1891

1. The source of the proposed appropriation is Bear Creek (Name of stream), a tributary of Columbia River

2. The amount of water which the applicant intends to apply to beneficial use is Storage only of 162,000,000 Gallons, stored in winter and balance of water to pass cubic feet per second. down creek. One filling only of reservoirs (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 Municipal Water Supply (Irrigation, power, mining, manufacturing, domestic supplies, etc.)

4. The point of diversion is located 310 ft. North and 800 ft. west from the S.E. corner of Sect. 13 T.7 N.R.9 W.W.M. and 360 Ft north and 700 Ft. East from the S.W. corner of Sect. 18 T.7 N.R.9 W.W.M. being within the S.E. 1/4 of the N.E. 1/4 said Sect 13 and the S.W. 1/4 of the S.W. 1/4 said Sect 18 (If there is more than one point of diversion, each must be described. Use separate sheet if necessary) being within the of Sec. of Tp. (N. or S.)

R. W. M., in the county of No ditches but one 600 Ft. 12" pipe terminating in the S.W. 1/4 of the N.E. 1/4 of Sect. 13 T.7 N.R.9 W.W.M. in length, terminating in the of Sec. of Tp. (N. or S.) R. W. M., the proposed location being shown throughout on the accompanying map.

DESCRIPTION OF WORKS

DIVERSION WORKS—Two Reservoirs for storage known as Middle Reservoir and Lake Wickiup Reservoir 1. 80.0 Ft 1.600 Ft 6. (a) Height of dam 2. 89.0 Ft. feet, length on top 2. 1300 Ft. feet, length at bottom 1. 20 Ft 2. 10 Ft feet; material to be used and character of construction both dams to be lower half or down-stream half rock fill, upstream half earth, wasteways around dams rock and brush, timber crib, etc., wasteway over or around dam)

(b) Description of headgate Middle Reservoir discharge from 12" pipe and Lake Wickiup discharged through 18" pipe, both into creek leading into present operating reservoir lower down on creek

(c) If water is to be pumped give general description No (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.

** Applications 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.

MUNICIPAL OR DOMESTIC SUPPLY—

10. (a) To supply the city of Astoria, Oregon

Clatsop County, having a present population of 11,000
(Name of)

and an estimated populatoin of _____ in 193_____

(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, \$ 33,000.00

12. Construction work will begin on or before Nov. 25-1938

13. Construction work will be completed on or before Oct. 25-1939

14. The water will be completely applied to the proposed use on or before July 1939

City of Astoria by
(Signature of applicant)
James D. Council City Manager

Signed in the presence of us as witnesses:

(1) Esther E. Juntili, Astoria Oregon
(Name) (Address of witness)

(2) G. J. W. Clear, Astoria Oregon
(Name) (Address of witness)

Remarks: The City of Astoria now obtains its municipal water from Bear Creek through an 18" (increased in sections to 22") pipe 12 miles long to a gravity concrete dam on Bear Creek where 100,000,000 gallons storage is carried. This gravity dam is about 1½ miles below Proposed Middle Rservoir and 2½ miles below Lake Wickiup Reservoir. Proposed storage will be released as need into upper Bear creek in order to replace water drawn from present 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 _____

In order to retain its priority, this application must be returned to the State Engineer, with corrections on or before _____, 193_____

WITNESS my hand this _____ day of _____, 193_____

STATE ENGINEER

RECEIVED
1:00 PM
OCT 11 1938
STATE ENGINEER
S. H. ...

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 cubic feet per second measured at the point of diversion from the stream, or its equivalent in case of rotation with other water users, from

The use to which this water is to be applied is

If for irrigation, this appropriation shall be limited to of one cubic foot per second

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

Actual construction work shall begin on or before and shall thereafter be prosecuted with reasonable diligence and be completed on or before

Complete application of the water to the proposed use shall be made on or before

WITNESS my hand this day of, 193.....

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.

Permit No.

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 day of

193....., at o'clockM.

Returned to applicant:

Corrected application received:

Approved:

Recorded in book No. of

Permits on page

STATE ENGINEER

Drainage Basin No. Page

Fees Paid