

Assigned

Name ELMER BANKUS  
By Box 34610  
Address Brookings, Oregon 97415

Application No. 41871

Permit No. 31221

Certificate No. 46861

Stream Index, Page No. 15-21

**SEE R-41870  
DAM FILE F-25**

**FEES PAID**

Date	Amount	Receipt No.
2-10-66	\$45.00	8489
8-12-66	5.00	From App R 41870
11-2-78	\$717.77	Cert. Fee

Date filed February 10, 1966  
Priority February 10, 1966  
Action suspended until Oct Sent

**FEES REFUNDED**

Date	Amount	Check No.

Returned to applicant  
Date of approval August 19, 1966

**ASSIGNMENTS**

Date	To Whom	Address	Volume	Page
2-10-70	Brookings Utilities Company	Brookings, Oregon	4	2113
3-8-74	City of Brookings	Box C, Brookings, OR 97415	5	389

**CONSTRUCTION**

Date for beginning August 19, 1967  
Date for completion October 1, 1968  
Extended to  
Date for application of water October 1, 1969  
Extended to

**REMARKS**

167.4 af stored water from Ferry Creek Reservoir (Ferry Creek) (Chetco River) for municipal use

OCT 3 1968 CARD FOR B  
OCT 30 1969 CARD FOR C  
FEB 3 1970 FORM 100 SR  
Form 131 sent 10-30-78

**PROSECUTION OF WORK**

Form "A" filed Started  
Form "B" filed Oct 10, 1968  
Form "C" filed 2/10/1970

**FINAL PROOF**

Blank mailed OCT 12 1978  
Proof received NOV 17 1978

OK  
m.B.

Form B

Application No. R41870  
41871

**NOTICE OF COMPLETION OF CONSTRUCTION**

I, Elmer Bankus, the holder of Permit No. R4720  
31224

to appropriate the public waters of the state of Oregon, completed the construction of the works described therein on the 1 day of Oct, 1968

Remarks: RECEIVED  
STATE ENGINEER  
SALEM, OREGON  
OCT 10 1968  
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 10 day of Oct, 1968

Elmer Bankus (Signature of Applicant) Bankus Ave Box 610 (Address)

Fill out, detach and mail to the State Engineer, Salem, Oregon 97310, when construction work is completed.

3M-8-64

OK  
m.B.  
Received  
2/10/70  
m.B.

Form C

**IMPORTANT**—This form is a notice to the State Engineer that permittee is ready to make final proof to the extent to which the water has actually been applied to the intended use under the terms of the permit. Permittee is cautioned that Certificate of Water Right will be issued based on the extent of the quantity and use as determined by the final proof inspection and survey which will be made in response to the filing of this Form C.

NOTE: In the case of an irrigation permit, this Form C should not be mailed to the State Engineer until all of the land described in the permit, which it is intended to irrigate under this permit at any time, has actually been irrigated. Fill out, detach and mail to the State Engineer, Salem, Oregon 97310, when all of the water has been applied.

Application No. 41871

**NOTICE OF COMPLETE APPLICATION OF WATER TO A BENEFICIAL USE**

I, Elmer Bankus, the holder of Permit No. 31224

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 10 day of July, 1968

Remarks: \_\_\_\_\_

IN WITNESS WHEREOF, I have hereunto set my hand this 10 day of Feb, 1970.

Elmer Bankus (Signature of Applicant) \_\_\_\_\_ (Address)

RECEIVED

DP-3296-600

OCT 25 1978

WATER RESOURCES DEPT.  
SALEM, OREGON

STATE OF OREGON

COUNTY OF

CURRY

## Proof of Appropriation of Water

CITY OF BROOKINGS

of **Box C, Brookings**, State of **Oregon, 97415**,  
has applied beneficially the waters of  
**Ferry Creek Reservoir constructed under Permit No. R-4720**

a tributary of **Chetco River** for the purpose of  
**municipal**

under Permit No. **31224** and that the use of said waters has been completed under the  
terms of said permit; that the priority of the right dates from  
**February 10, 1966**  
that the amount of water for the purposes aforesaid, has been actually beneficially used in the  
amount of  
**167.4 acre feet stored water**

or its equivalent in case of rotation, measured at the point of diversion from the stream.  
The point of diversion is located in the **NE $\frac{1}{4}$  NW $\frac{1}{4}$ , Section 32, T. 40 S., R. 13 W., W. M.,**  
**4023 feet North 1 degree 15 minutes 20 seconds West from the S $\frac{1}{4}$  Corner, Section**  
**32**

The amount of water used for irrigation, together with the amount secured under any other  
right existing for the same lands, shall be limited to ----- of one cubic foot per second  
per acre,

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

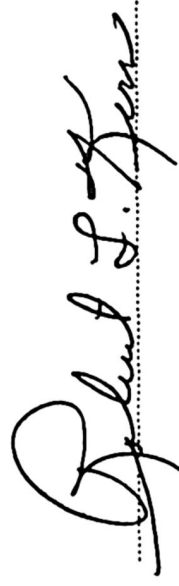
A description of the place of use under the right, and to which such right is appurtenant, is  
as follows:

SEE NEXT PAGE

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

IN WITNESS WHEREOF, I have hereunto set my hand this 16th day of October,

1978



Mayor, City of Brookings

Title

**RECEIVED**

OCT 25 1978

**WATER RESOURCES DEPT.  
SALEM, OREGON**

SM $\frac{1}{2}$  NE $\frac{1}{4}$   
NE $\frac{1}{4}$  NW $\frac{1}{4}$   
S $\frac{1}{2}$  NW $\frac{1}{4}$   
N $\frac{1}{2}$  SW $\frac{1}{4}$   
SW $\frac{1}{4}$  SW $\frac{1}{4}$   
SE $\frac{1}{4}$  SE $\frac{1}{4}$   
Section 31

SM $\frac{1}{2}$   
W $\frac{1}{2}$  SE $\frac{1}{4}$   
Section 32  
T. 40 S., R. 13 W., W. M.

NE $\frac{1}{4}$  SW $\frac{1}{4}$   
N $\frac{1}{2}$  SE $\frac{1}{4}$   
SE $\frac{1}{4}$  SE $\frac{1}{4}$   
Section 36  
T. 40 S., R. 14 W., W. M.

MP $\frac{1}{4}$  NE $\frac{1}{4}$   
W $\frac{1}{2}$   
Section 5

N $\frac{1}{2}$   
N $\frac{1}{2}$  SW $\frac{1}{4}$   
SE $\frac{1}{4}$  SW $\frac{1}{4}$   
SE $\frac{1}{4}$   
Section 6

N $\frac{1}{2}$  NE $\frac{1}{4}$   
Section 7

MP $\frac{1}{4}$  MP $\frac{1}{4}$   
Section 8  
T. 41 S., R. 13 W., W. M.

NE $\frac{1}{4}$  NE $\frac{1}{4}$   
Section 1  
T. 41 S., R. 14 W., W. M.



A# 41871  
P# 31224  
City of Brookings

40.5	13W	31x	Sw 1/4 NE 1/4 - NE 1/4 NW 1/4 - S 1/2 NW 1/4 - N 1/2 SW 1/4 - Sw 1/4 SW 1/4 - SE 1/4 SE 1/4 -
		32x	Sw 1/4 - W 1/2 SE 1/4 -
40.5	14W	36x	NE 1/4 Sw 1/4 - N 1/2 SE 1/4 - SE 1/4 SE 1/4 -
41.5	13W	5x	Nw 1/4 NE 1/4 - W 1/2 -
		6x	N 1/2 - N 1/2 Sw 1/4 - SE 1/4 Sw 1/4 - SE 1/4 -
		7x	N 1/2 NE 1/4 -
41.5	14W	8x	Nw 1/4 Nw 1/4 - 1/2



Info: Al Harten, City Manager

Sources Ferry Cr. Res. & Ferry Cr. trib Chetco Rv.

Div: 30" steel thru dam into 12" steel to city

Uses Municipal for City of Brookings including Industry & state parks

Remarks: Past info is in Engineering Report of the Water Distribution System, Brookings Oregon, June, 1976, CH2 M

Mr. Harten said the City plans to abandon Ferry Cr. Res. as city water supply when new water plant begins operation in Oct. 1976

Ties inspection of Figure 111-4 in above report (water distribution system)

B-27-76

Larry H. Purn

Field Engineer

I CALLED BROOKINGS CITY HALL. THEY HAVE BEEN HAVING TROUBLES WITH THEIR NEW WATER SUPPLY FROM CHETCO RIVER & ARE STILL USING FERRY CR. RES. AS A SOURCE. THEY DO NOT PLAN ON DISMANTLING FERRY CR. RES. LINE AT THIS TIME, SO WE SHOULD PROB. ISSUE CERT.

ON THIS

9-25-78 R.C.M.

G-5869  
R-41870  
41871

April 11, 1974

City of Brookings  
Box C  
Brookings, OR 97415

Gentlemen:

The assignment of permits numbered R-4720 and 31224 and application numbered G-5869 from Brookings Utility Co. to you has been recorded in the records of the State Engineer. Our records have been changed accordingly, and the original is enclosed.

Our receipt numbered 38972 covering the \$2.00 recording fee along with a copy of this letter is being sent to Brookings Utility Co.

Very truly yours,

VESTAL R. GARNER  
Assistant

VRG:tml  
Enclosure  
cc: Brookings Utility Co.  
Box 610  
Brookings, OR 97415

R-41870  
41871  
G-5869  
37091

April 9, 1974

City of Brookings  
Box C  
Brookings, OR 97415

Gentlemen:

Acknowledged is the assignment of water right permits numbered R-4720, 31224, and 27160, and water right application numbered G-5869, and the assignment recording fee of \$2.00.

State statutes provide that the assignment recording fee is \$2.00 per page, therefore, we are recording the assignment of permits R-4720 and 31224 and application G-5869.

We will withhold further action on the assignment of permit numbered 27610 until receipt of the assignment recording fee of \$2.00.

Very truly yours,

VESTAL R. GARNER  
Assistant

VRG:tml

Get a field form  
made up on these &  
make note that a MP  
will inspect Res F

nothing required by our  
field crew - secondary,  
in the usual manner  
& noted

then see that cords set up  
for March 14 (as well as survey)

Jinda will do this for

al

July 7, 1972

R-41870  
41871  
Dam File  
F-25

Mr. Elmer Bankus  
P.O. Box 610  
Brookings, OR 97415

Dear Mr. Bankus:

Would you please advise as to the status of your construction regarding the spillway of your Ferry Creek Dam. I will be in the Brookings area sometime in July, 1972, and will contact you at that time for an inspection.

Very truly yours,

A. M. PETSKA  
Engineer

AMP:cd



December 3, 1971

R-41870  
41871  
Dam File  
F-25

Mr. Elmer Bankus  
Box 610  
Brookings, OR 97415

Dear Mr. Bankus:

In August of 1971 I performed an inspection of your Ferry Creek Reservoir. At that time, the foreman who accompanied me on the inspection advised you intended to complete the project prior to the winter rains.

Would you please advise the status of your construction, particularly the area of the spillway. I intend to be in the Brookings area sometime early in 1972 and will contact you at that time.

Very truly yours,

A. M. PETSKA  
Engineer

AMP:cd

October 27, 1971

R-41870  
41971  
Dam File  
F-25

Mr. Elmer Bankus  
Brookings Water Company  
Box 610  
Brookings, OR 97415

Dear Mr. Bankus:

In August of this year, I performed an inspection of your Ferry Creek Reservoir. At that time your foreman who accompanied me on the inspection, advised that you were preparing to start construction and complete this project in accordance with the plans and specifications. I advised your foreman, and also advised you by letter on August 24, 1971, that I felt it necessary that this work be completed this year. Would you please advise as to the status of the work on this project and your estimated completion of construction date. Again, this back-fill and the construction of this spillway differential according to the plans and specifications must be completed this year prior to the onset of the coming precipitation season. As you well know, we can expect the rains at any time.

Very truly yours,

A. M. PETSKA  
Engineer

AMP;cd

August 24, 1971

R-41970  
41871

Mr. Elmer Bankus, President  
Brookings Water Company  
Box 610  
Brookings, OR 97415

Dear Mr. Bankus:

The morning of August 17, 1971, accompanied by your foreman, I performed an inspection of your Ferry Creek Reservoir. At that time your foreman advised that you were preparing to start construction and complete this project in accordance with the plans and specifications. I advised your foreman that I felt it necessary that this work be completed this year. He advised that this was your intention.

Would you please advise when this work is in progress so that engineers from this office might schedule an inspection of this project at the completion of construction. Again, this backfill and spillway differential construction must be completed this year prior to the onset of the coming precipitation season.

Very truly yours,

A. M. PETSKA  
Engineer

AMP:cd

August 12, 1971

R-41870  
41871  
Dam File  
F-25

Mr. Elmer Bankus  
Brookings Utilities Co.  
Box 610  
Brookings, OR 97415

Dear Mr. Bankus:

I intend to be in the Brookings area either late Monday or early Tuesday, August 16 or 17 and would like, at that time, to inspect your Ferry Creek Reservoir and Dam. If you would advise your people that I will be in the area in order that they may unlock the gate, I would appreciate it.

Very truly yours,

A. M. PETSKA  
Engineer

AMP:cd



STATE OF OREGON  
STATE ENGINEER  
WATER RESOURCES DEPARTMENT  
516 PUBLIC SERVICE BUILDING  
SALEM 97310

REFER TO  
FILE NO. 11871

February 20, 1970

Brookings Utilities Company  
Brookings, Oregon 97415

Gentlemen:

This will acknowledge receipt of your notice to the effect that complete application of water has been made under permit No. 31224.

Pursuant to your report and in line with the general practice of this office, a survey will be made at a later date.

After this survey, proof may be made and certificate issued covering the actual use of water as found by the engineer. In case of irrigation, any lands described in the permit that have not been irrigated will be automatically eliminated from the water right.

In the meantime, the permit which you hold will be valid evidence of the water right in question so long as you continue to use the water.

Very truly yours,

CHRIS L. WHEELER  
State Engineer

Form 128 C  
reo

R-41870  
41871

February 16, 1970

Brookings Utilities Company  
Brookings  
Oregon 97415

Gentlemen:

Enclosed is the assignment of Permit numbers R-4720 and 31224 from Elmer Bankus to you. This has been recorded in the Records of the State Engineer, and our records have been changed accordingly.

Very truly yours,

Myron V. Bish  
Assistant

MVB:cjs

Enclosure

# INSTRUCTIONS TO DELIVERING EMPLOYEE

Show to whom, date, and  
address where delivered

Deliver ONLY  
to addressee

*(Additional charges required for these services)*

## RECEIPT

*Received the numbered article described below.*

REGISTERED NO.

SIGNATURE OR NAME OF ADDRESSEE *(Must always be filled in)*

CERTIFIED NO.

5348415

1

*Elmer Banks*

INSURED NO.

—  
—  
—

2

SIGNATURE OF ADDRESSEE'S AGENT, IF ANY

*By M. F. Byrne*

DATE DELIVERED

—  
—  
—

3

SHOW WHERE DELIVERED *(only if requested)*

2-5-70

WFB 4,971



POD Form 3811 Apr. 1967

POST OFFICE, STATE, AND ZIP CODE

SALEM, OREGON

STREET AND NO. OR P.O. BOX

CHRIS L. WHEELER  
STATE ENGINEER

NAME OF SENDER

INSTRUCTIONS: Show name and address below and  
complete instructions on other side, where applicable.  
Fasten gummed ends, attach and hold firmly to back  
of article. Print on front of article **RETURN**  
**RECEIPT REQUESTED.**

**RETURN**  
**TO**



POSTMARK OF  
DELIVERING OFFICE

**PARTEMENT**  
**FINISS**

PENALTY FOR PRIVATE USE TO AVOID  
PAYMENT OF POSTAGE, \$300



STATE OF OREGON  
STATE ENGINEER  
WATER RESOURCES DEPARTMENT  
516 PUBLIC SERVICE BUILDING  
SALEM 97310

REFER TO FILE NO. R-41870  
41871

February 3, 1970

Elmer Bankus  
Box 61 D  
Brookings, OR 97415

Dear Sir:

According to the terms of your permit No. R-4720, 31224, for storage of 167.4 acre feet of stored water from Ferry Creek Reservoir and Ferry Creek for municipal use,

complete application of water was to have been made by October 1, 1969.

Complete application of water means the application of water to beneficial use under the permit to the full extent intended. In the case of irrigation, it means beneficial irrigation of all the lands the permittee intends to cover under the terms of the permit. If water has been used, you should promptly submit notice describing the extent of completion as set forth in the letter accompanying your permit and also in our postal card of October 30, 1969.

ORS 537.260 provides that: "Whenever the time within which any appropriation under a permit should have been perfected has expired and the owner of the permit fails or refuses within three months thereafter to submit to the State Engineer proof of completion of the appropriation as required by ORS 537.230 and 537.250, the State Engineer may, after 60 days' notice by registered mail, order the cancelation of the permit.\*\*\*\*\*"

In accordance with the provisions of ORS 537.260, you are hereby notified that unless proof of beneficial use is received within 60 days from the date of this letter, the permit(s) may be canceled without further notice.

If for any reason you are no longer interested in the project described by the permit, we would appreciate it if you would so advise. If the property involved has changed hands and any part of the project has been completed, you should immediately assign the permit to the new owner and advise us of his name and address. An assignment form will be furnished upon request.

Very truly yours,

CHRIS L. WHEELER  
State Engineer

Form 100  
Certified  
Return receipt requested



STATE OF OREGON  
STATE ENGINEER  
WATER RESOURCES DEPARTMENT  
516 PUBLIC SERVICE BUILDING  
SALEM 10

October 10, 1968

R-41870  
REFER TO  
FILE NO. 41871

Elmer Bankus  
Box 610  
Brookings, Oregon 97415

Dear Sir:

This will acknowledge the notice of completion of construction under the terms of permit No.s R-4720 and 31224.

Under the provisions of the permit, the time limit for completion of the appropriation by accomplishing the authorized beneficial use of water to the full extent intended will expire October 1, 1969. (In the case of irrigation completion of the appropriation means at least one beneficial irrigation of all the land to be irrigated under the subject permit.)

Very truly yours,

CHRIS L. WHEELER  
State Engineer

Form 119  
ks

R-41870  
41871

August 26, 1966

Elmer Bankus  
Box 340  
Brookings, Oregon

Dear Mr. Bankus:

R-41870, Permit No. R-4720, Application No.  
41871, Permit No. 31224 with blueprints.

R-41870  
41871

August 22, 1965

Mr. Elmer Bankus  
Box 340  
Brookings, Oregon

Dear Mr. Bankus:

This is to advise that your applications numbered 41871 and R-41870 have been approved by issuance of permits authorizing the construction of a reservoir and the storage of 167.4 acre feet of water from Perry Creek and the appropriation of 167.4 acre feet stored water from the reservoir for municipal purposes.

You may use this letter as your authority to begin construction of the project authorized by the permits pending your receipt of the permits. The permits will be mailed to you as soon as the necessary entries have been completed in the records of this office.

Very truly yours,

CHRIS L. SHELLER  
State Engineer

By  
Frevor Jones, Assistant

TJ:py

41871  
R-41870

August 12, 1966

Elmer Bankus  
Box 340  
Brookings, Oregon

Dear Mr. Bankus:

This will acknowledge receipt of the additional \$5 fee required for application No. 41871 for which our receipt No. 122 is enclosed.

This application is in satisfactory form for approval by issuance of a permit.

Very truly yours,

CHRIS L. WHEELER  
State Engineer

By  
Larry W. Jebousek  
Assistant

LWJ:dly  
Enclosure

41871  
R-41870

July 14, 1966

Elmer Bankus  
Box 340  
Brookings, Oregon

Dear Mr. Bankus:

During the final inspection, I found application  
No. 41871 required \$5 additional recording fee.

We will withhold further action on these  
applications pending the receipt of the fees.

Very truly yours,

CHRIS L. WHEELER  
State Engineer

By  
Larry W. Jebousek  
Assistant

LWJ:dly



R-41870  
41871  
F-25

Mr. Carl Rohde  
Engineer  
654 Ridgeway Road  
Oswego, Oregon

Dear Mr. Rohde:

This letter is to advise you that the permits have been issued for the Bankus Dam, Ferry Creek Reservoir, Brookings, Oregon. Since this project is over the statutory limits, it will be necessary that the construction be supervised by a registered professional engineer to insure compliance with these approved plans and specifications. Since you were the design engineer, we shall assume that you will be the engineer responsible to insure that this construction is in accordance with these plans and specifications.

Engineers from this office will be available to work with you covering any changes made necessary by conditions discovered during construction if you will so advise.

Very truly yours,

CHRIS L. WHEELER  
State Engineer

By  
A. M. Petska  
Engineer

AMP:jb

cc: Elmer Bankus  
Brookings Water Company  
Brookings, Oregon

E-41870  
41871  
F-25

Mr. Carl Rohde  
Engineer  
654 Ridgeway Road  
Oswego, Oregon

Dear Mr. Rohde:

This letter is to advise you that the permits have been issued for the Bankus Dam, Ferry Creek Reservoir, Brookings, Oregon. Since this project is over the statutory limits, it will be necessary that the construction be supervised by a registered professional engineer to insure compliance with these approved plans and specifications. Since you were the design engineer, we shall assume that you will be the engineer responsible to insure that this construction is in accordance with these plans and specifications.

Engineers from this office will be available to work with you covering any changes made necessary by conditions discovered during construction if you will so advise.

Very truly yours,

CHRIS L. WHEELER  
State Engineer

By  
A. M. Petaka  
Engineer

AMP:jb

cc: Elmer Bankus  
Brookings Water Company  
Brookings, Oregon

CARL ROHDE

CONSULTING ENGINEER  
654 RIDGEWAY ROAD  
OSWEGO, OREGON  
NEptune 6-4469

May 31, 1966

RECEIVED  
MAY 31 1966

STATE ENGINEER  
SALEM, OREGON

Mr. A. M. Petska  
The State Engineer's Office  
Water Resources Dept.  
516 Public Service Bldg.  
Salem, Oregon 97310

Re: File Nos. 3311, 5114,  
5705, 7364, 22928

Dear Al:

Transmitted herewith are my plans and specifications for increasing the height of Bankus Dam on Ferry Creek. I trust you will find everything in order; and if I have missed anything or you require additional information, please let me know.

Sincerely,



CARL ROHDE

Encl: 1 set prints of 3 drawings  
1 set reproducibles of same  
2 sets specifications

cc: Elmer Bankus  
w. encl. (prints & specs.)

May 31, 1966

State Engineer  
Salem, Oregon

Gentlemen:

This will authorize you to make any changes on the application to agree with the plans and specifications as submitted by Carl Rohde, Engineer, on May 31, 1966.

  
Elmer Bankus

MEMORANDUM

May 20, 1966

5311  
5114  
5705  
7364  
22928  
R-41870  
41871  
F-25

On Monday, May 16, 1966, I visited the Ferry Creek Reservoir owned by the Brookings Water Company.

I found that since my previous visit in March, the dam and spillway had been raised five or six feet. The upstream slope appeared to have been towed at the end of the conduit. The tower had been erected over the conduit entrances with the valve operating wheels well above the proposed high water. The new spillway contemplated around the left abutement had not been accomplished.

David B. Hall  
Engineer

DBH:jb

MEMORANDUM

3311  
5114  
5705  
7364  
22928  
R-41870  
41871  
F-25  
May 19, 1966

Via a telephone call this morning to Carl Rohde. Advised Mr. Rohde that plans and specifications were to be submitted to this office prior to June 1, 1966 as action towards drawing this reservoir down to its permit level would be taken that date.

A. M. Petska  
Engineer

AMP:jb

MEMORANDUM

3311  
5114  
5705  
7364  
22928  
R-41870  
41871  
F-25  
May 19, 1966

Mr. Bankus telephoned this morning to advise that he had contacted Mr. Carl Rohde to prepare plans and specifications in accordance with our instructions. He further advised that Mr. Rohde was slow and that we, the State Engineer, should, from time to time, jack up Mr. Rohde in order that these plans and specifications would be submitted on time. I told Mr. Bankus that Mr. Rohde was his agent and that if he was dissatisfied with the services that Mr. Rohde was providing, that he should obtain the services of another engineer; that it was not this offices intent or purpose to police Mr. Rohde or to take any action with Mr. Rohde to insure that the plans and specifications are submitted, as this is the responsibility of Mr. Bankus.

I reiterated again that work was to cease on the project and was not to be started again until plans and specifications had been submitted and approved and a permit issued. This was to be done immediately or it would be necessary to take steps to lower this reservoir to the permit capacity.

A. M. Potska  
Engineer

AMP:jb



3311  
5114  
5705  
7364  
22928  
R-41870  
41871  
F-25

May 19, 1966

Mr. Elmer Bankus  
Brookings Water Company  
Brookings, Oregon

Dear Mr. Bankus:

Mr. Carl Rohde just telephoned requesting that he be given ten days to prepare the complete plans and specifications for your Ferry Creek Dam. After some deliberation, I informed Mr. Rohde that plans and specifications covering this project were to be submitted to this office prior to June 1, 1966.

I can see no reason for rehashing the previous correspondence and verbal messages to justify this position since they are well known to you. I hope I made my position clear in our telephone conversation of Wednesday, May 18, 1966.

In the event plans and specifications are not submitted prior to this date, action will be taken to limit the capacity of your reservoir to that called for in the permits as specified and outlined in my letter of February 7, 1966.

Very truly yours,

CHRIS L. WHEELER  
State Engineer

By  
A. M. Potska  
Engineer

AMP:jb

cc: Carl Rohde

MEMORANDUM

3311  
5114  
5705  
7364  
22928  
R-41870  
41871  
F-25  
May 18, 1966

Conversed this date by telephone with Elmer Bankus regarding the Perry Creek Reservoir and his actions. Advised Elmer that Mr. Hall of this office had visited this project and found that he had or was essentially raising the structure approximately six feet, that he was modifying or was about to modify the spillway.

Mr. Bankus indicated he does not consider that he is raising the dam six feet and would not be increasing the height until he had closed the gap. I reminded Mr. Bankus of previous correspondence and conversations during which he avowed that he would not do any more construction on this project until plans and specifications had been submitted and approved, and a permit issued. Mr. Bankus, after much words, advised me that his hearing was not very good and there were certain words at certain frequencies that he could not hear nor could he comprehend.

I informed Mr. Bankus to obtain the services of a registered professional engineer to draw up and submit plans and specifications covering this structure at its ultimate height immediately.

A. M. Petska  
Engineer

AMP:jb

Files

March 2, 1966

A. F. Fetaka  
Engineer

3311  
5114  
5705  
7364

Brookings Water Company Reservoir

Mr. Bankus was in the office this date regarding work done on the Brookings Water Company reservoir. He is presently engaged in extending the conduits in order that he may dress the front slopes to the required 3:1.

He further indicates that Mr. Rohde is supervising this work and will be reflected in the plans and specifications for the proposed completed structure. Mr. Bankus estimates this work will be completed and water will be impounded in the reservoir by March 15, 1966.

Stapled to this memorandum are two photographs which show the 1/2-inch steel pipe forms and reinforced steel just before pouring the encasing concrete. (See files R-41870 & 41871).

R-41870  
41871

February 23, 1966

Elmer Bankus  
Box 340  
Brookings, Oregon

Dear Sir:

This will acknowledge your application for a permit to construct a reservoir and store 200 acre feet of water therein from Ferry Creek for municipal water supply and fees of \$16 for which our receipt No. 8488 was handed to you. The application has been filed and numbered R-41870.

Also acknowledged is your application for a permit to appropriate 200 acre feet of water from Ferry Creek Reservoir for municipal water supply and fees of \$15 for which our receipt No. 8489 was handed to you. The application has been filed and numbered 41871.

Further action on these applications will be withheld pending the submission of plans and specifications for the proposed structure and a map showing the intended boundaries of the area to be served as discussed on February 10, 1966, with you in our office.

Very truly yours,

CHRIS L. WHEELER  
State Engineer

By  
Larry W. Jebousek, Assistant

LWJ:bs

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OREGON STATE HIGHWAY DEPARTMENT

STATE ENGINEER  
 SALEM, OREGON

Materials Division

Laboratory Report

Project **Brookings Water Co. Dam** Prefix No. State Eng'r.  
 Highway County  
 Contractor Contract No. F. A. Project No.  
 Submitted by **Bred Gustafson** Date reported **June 1, 1961**

REPORT ON SAMPLE OF SOIL

Source of material **Hole #4**  
 Sampled at  
 To be used Date received **May 18, 1961**  
 Sampled by **Carl Rohde** Quantity represented  
 Laboratory No. **554121** Type of material **soil (Sack)**  
 Data Sheet No. **None** Sample No. **2**

TEST RESULTS

SOIL ANALYSIS:		SIEVE ANALYSIS:		DENSITY DETERMINATION:		
LL	<b>33</b> %	% Single		Dry Density, lbs./c. f.	% moisture	
PI	<b>10</b> %	Ret. on	Sieve			
FME	%			<b>97.9</b>	<b>11.6</b>	
SL	%	<b>4</b>	<b>8.6</b>	<b>100.2</b>	<b>14.0</b>	
R	%	<b>10</b>	<b>8.3</b>	<b>102.8</b>	<b>16.4</b>	
Cf	%	<b>40</b>	<b>13.1</b>	<b>106.8</b>	<b>18.8</b>	
LS	%	<b>60</b>	<b>5.6</b>	<b>104.0</b>	<b>21.3</b>	
		<b>200</b>	<b>15.5</b>			
Classification—Group		<b>pass</b>	<b>48.9</b>	TRIAXIAL SHEAR TEST:		
Sp. Gr. (Le Chatelier)	<b>2.69</b>			Sample	Remolded	Undisturbed
Sand Equivalent	%			% Compaction		
Natural Moisture	%			% Moisture	<b>21.3</b>	<b>23.6</b> <b>26.0</b>
				Depth Ratio Z/R		
				Pavement Thickness, Z		
HYDROMETER ANALYSIS: Passing No. 10	Total Sample	Angle of Friction, $\phi^\circ$	<b>8</b>	<b>5</b>	<b>3</b>	
Particles larger than 2.0 mm.	% <b>16.9</b> %	Cohesion, C psi	<b>8</b>	<b>4</b>	<b>2</b>	
Coarse sand, 2.0 to 0.42 mm.	<b>15.8%</b> <b>13.1</b> %	R Value				
Fine sand, 0.42 to 0.074 mm.	<b>25.4%</b> <b>21.1</b> %	Remarks:				Permeability,
Silt, 0.074 to 0.005 mm.	<b>32.8%</b> <b>27.3</b> %	Load P.S.F.	<b>1000</b>	<b>.762</b>	<b>2.67x10<sup>-4</sup></b>	20°C K=ft./day
Clay, smaller than 0.005 mm.	<b>26.0%</b> <b>21.6</b> %	Voids ratio	<b>8000</b>	<b>.609</b>	<b>1.06x10<sup>-4</sup></b>	
Colloids, smaller than 0.001 mm.	%					

RECOMMENDATIONS

Material as represented by this sample **S.C.** suitable for use. *Clayey sand*

TEST REPORT DISTRIBUTION:

- Bureau of Public Roads
- Construction Engineer
- Maintenance Engineer
- Bridge Engineer
- Requisition Office
- Division Engineer
- Resident Engineer
- Dist. Maint. Supt.
- Geology and Soils

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*M. W. Navra*

Engineer of Materials

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OREGON STATE HIGHWAY DEPARTMENT

Materials Division

**Laboratory Report**

STATE ENGINEER

Project **SALEM, OREGON Brookings Water Co. Dam**

Prefix No. State Eng'r.

Highway

County

Contractor

Contract No.

F. A. Project No.

Submitted by **Ered Gustafson**

Date reported

**June 1, 1961**

REPORT ON SAMPLE OF SOIL

Source of material **Hole #4**

Sampled at

To be used

Date received **May 18, 1961**

Sampled by **Carl Rohde**

Quantity represented

Laboratory No. **554121**

Type of material **soil (Sack)**

Data Sheet No. **None**

Sample No. **2**

TEST RESULTS

SOIL ANALYSIS:

LL **33** %  
 PI **10** %  
 FME %  
 SL %  
 R %  
 Cf %  
 LS %

SIEVE ANALYSIS:

% Single  
 Ret. on Sieve  
 4 **8.6**  
 10 **8.3**  
 40 **13.1**  
 60 **5.6**  
 200 **15.5**  
 pass **48.9**

DENSITY DETERMINATION:

Dry Density, lbs./c. f. % moisture  
**97.9 11.6**  
**100.2 14.0**  
**102.8 16.4**  
**106.8 18.8**  
**104.0 21.3**

Classification—Group

TRIAxIAL SHEAR TEST:

Sp. Gr. (Le Chatelier) **2.69**

Sand Equivalent %

Natural Moisture %

Sample Remolded **Unremolded**  
 % Compaction  
 % Moisture **21.3 23.6 26.0**  
 Depth Ratio Z/R  
 Pavement Thickness, Z

HYDROMETER ANALYSIS: Passing No. 10

Particles larger than 2.0 mm. %	Total Sample %
Coarse sand, 2.0 to 0.42 mm. <b>15.8%</b>	<b>13.1</b> %
Fine sand, 0.42 to 0.074 mm. <b>25.4%</b>	<b>21.1</b> %
Silt, 0.074 to 0.005 mm. <b>32.8%</b>	<b>27.3</b> %
Clay, smaller than 0.005 mm. <b>26.0%</b>	<b>21.6</b> %
Colloids, smaller than 0.001 mm. %	%

Angle of Friction,  $\phi$  ° **8 5 3**  
 Cohesion, C psi **8 4 2**  
 R Value  
 Remarks:  
**Load P.S.F. Voids ratio**  
**1000 .762**  
**8000 .609**  
 Permeability, 20°C K=ft./day  
**2.67x10<sup>-4</sup>**  
**1.06x10<sup>-4</sup>**

RECOMMENDATIONS

Material as represented by this sample ..... suitable for use.

TEST REPORT DISTRIBUTION:

- Bureau of Public Roads
- Construction Engineer
- Maintenance Engineer
- Bridge Engineer
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*M. W. Harris*

Engineer of Materials

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OREGON STATE HIGHWAY DEPARTMENT

Materials Division

**Laboratory Report**

STATE ENGINEER

SALEM, OREGON **Brookings Water Co. Dam**

Prefix No. \_\_\_\_\_ State Eng'r. \_\_\_\_\_

Highway \_\_\_\_\_ County \_\_\_\_\_

Contractor \_\_\_\_\_ Contract No. \_\_\_\_\_ F. A. Project No. \_\_\_\_\_

Submitted by **Fred Gustafson** Date reported **June 1, 1961**

**REPORT ON SAMPLE OF SOIL**

Source of material **Hole # 4**

Sampled at \_\_\_\_\_

To be used \_\_\_\_\_ Date received **May 18, 1961**

Sampled by **Carl Rohde** Quantity represented \_\_\_\_\_

Laboratory No. **554120** Type of material **soil (Tube)**

Data Sheet No. **None** Sample No. \_\_\_\_\_

**TEST RESULTS**

SOIL ANALYSIS:		SIEVE ANALYSIS:		DENSITY DETERMINATION:	
LL	<b>31</b> %	% Single		Dry Density, lbs./c. f.	% moisture
PI	<b>4</b> %	Ret. on	Sieve		
FME	%				
SL	%				
R	%				
Cf	%				
LS	%				

Classification—Group	TRIAXIAL SHEAR TEST:
	Sample Remolded Undisturbed
Sp. Gr. (Le Chatelier)	% Compaction
Sand Equivalent %	% Moisture
Natural Moisture <b>22.4</b> %	Depth Ratio Z/R
	Pavement Thickness, Z

HYDROMETER ANALYSIS: Passing No. 10		Total Sample	Angle of Friction, $\phi$ °
Particles larger than 2.0 mm.	%	%	Cohesion, C psi
Coarse sand, 2.0 to 0.42 mm.	%	%	R Value
Fine sand, 0.42 to 0.074 mm.	%	%	Remarks:
Silt, 0.074 to 0.005 mm.	%	%	
Clay, smaller than 0.005 mm.	%	%	
Colloids, smaller than 0.001 mm.	%	%	

**RECOMMENDATIONS**

Material as represented by this sample ..... suitable for use.

**TEST REPORT DISTRIBUTION:**

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- Construction Engineer
- Maintenance Engineer
- Bridge Engineer
- Requisition Office
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*G. W. Hanna*

Engineer of Materials

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OREGON STATE HIGHWAY DEPARTMENT

Materials Division

STATE ENGINEER  
SALEM, OREGON

Laboratory Report

Project	<b>Brookings Water Co. Dam</b>	Prefix No.	<b>State Eng'r.</b>
Highway		County	
Contractor		Contract No.	
Submitted by	<b>Fred Gustafson</b>	F. A. Project No.	
		Date reported	<b>June 1, 1961</b>

REPORT ON SAMPLE OF SOIL

Source of material	<b>Hole # 4</b>	Date received	<b>May 18, 1961</b>
Sampled at		Quantity represented	
To be used		Type of material	<b>soil (Tube)</b>
Sampled by	<b>Carl Rohde</b>	Sample No.	
Laboratory No.	<b>554120</b>		
Data Sheet No.	<b>None</b>		

TEST RESULTS

SOIL ANALYSIS:		SIEVE ANALYSIS:		DENSITY DETERMINATION:	
LL	<b>31</b> %	% Single		Dry Density, lbs./c. f.	% moisture
PI	<b>4</b> %	Ret. on Sieve			
FME	%				
SL	%				
R	%				
Cf	%				
LS	%				
Classification—Group		TRIAxIAL SHEAR TEST:			
		Sample	Remolded	Undisturbed	
Sp. Gr. (Le Chatelier)		% Compaction			
Sand Equivalent %		% Moisture			
Natural Moisture <b>22.4</b> %		Depth Ratio Z/R			
		Pavement Thickness, Z			
HYDROMETER ANALYSIS: Passing No. 10		Total Sample	Angle of Friction, $\phi$ °		
Particles larger than 2.0 mm.	%	%	Cohesion, C psi		
Coarse sand, 2.0 to 0.42 mm.	%	%	R Value		
Fine sand, 0.42 to 0.074 mm.	%	%	Remarks:		
Silt, 0.074 to 0.005 mm.	%	%			
Clay, smaller than 0.005 mm.	%	%			
Colloids, smaller than 0.001 mm.	%	%			

RECOMMENDATIONS

Material as represented by this sample ..... suitable for use.

TEST REPORT DISTRIBUTION:

- Bureau of Public Roads
- Construction Engineer
- Maintenance Engineer
- Bridge Engineer
- Requisition Office
- Division Engineer
- Resident Engineer
- Dist. Maint. Supt.
- Geology and Soils

*[Handwritten signature]*

\*Files  
4x State Engineer

Engineer of Materials



# **ENGINEERING REPORT OF THE WATER DISTRIBUTION SYSTEM**

This report has over 100 pages and was not scanned during the file folder scanning in as it is a book format

**BROOKINGS, OREGON**

**JUNE 1976**

