

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 95-7918

Priority: April 11, 1979 Amount: .91 CFS 232.8 AFA

This is to certify, that EMERALD ESTATES WATER ASSN. INC.
P.O. BOX 1082

HAYDEN LAKE, ID 83835 has complied with the terms and conditions of the permit issued pursuant to Application for Permit dated April 9, 1979, and has submitted proof to the Department of Water Resources on February 16, 1984, that water has been applied to a beneficial use; an examination by the Department indicates that the works have a diversion capacity of .91 cfs of water from a GROUNDWATER source and that a water right has been established as follows:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>	<u>VOLUME</u>
Domestic	01/01 to 12/31	.91 cfs	232.8 afa

LOCATION OF POINT OF DIVERSION(S): NESE , Sec. 11, Township 51N, Range 4W
Kootenai County

PLACE OF USE: Domestic

TWN RGE SEC

51N 4W 12 SENW NESW

CONDITIONS/REMARKS:

1. The right to the use of the water hereby confirmed is limited to the amount which can actually be beneficially used and is restricted and appurtenant to the lands or place of use and to the purpose herein described, as provided by the laws of Idaho.
2. This right is subject to all prior water rights and may be forfeited by five years of non-use.
3. Modifications to or variance from this license must be made within the limits of Section 42-222, Idaho Code, or the applicable Idaho law.
4. Domestic use is for 194 units.

This license is issued pursuant to the provisions of Section 42-219, Idaho Code. Witness the seal and signature of the Director, affixed at Boise, this 25TH day of SEPTEMBER, 1987.

MAILED

Acting for the

Director

Norm C. Young

MAR 1 1988

BEFORE THE DEPARTMENT OF WATER RESOURCES
OF THE
STATE OF IDAHO

IN THE MATTER OF PERMIT
NO. 95-7918 IN THE NAME
OF EMERALD ESTATES WATER
ASSN. INC.

ORDER ADVANCING
DATE OF PRIORITY

This matter having come before the Department of Water Resources (Department) as a result of preparing Permit No. 95-7918 for the issuance of a license, the Department makes the following Findings of Fact, Conclusions of Law, and Order pursuant to the provisions of Idaho Code.

FINDINGS OF FACT

1. On May 16, 1979 the Department approved Application for Permit No. 95-7918 to appropriate the public waters of the State of Idaho with a priority of April 9, 1979.
2. On April 17, 1986 the Department sent the permit holder a notice that a license examination fee was required before an examination could be conducted confirming the extent of use developed under the permit.
3. The fee was due on June 16, 1986, 60 days from the date of the notice; however, the fee was not received until June 18, 1986, 2 days late.

CONCLUSIONS OF LAW

1. The Director may advance the priority date of the permit one day for each day the fee was late, pursuant to the provisions of Section 42-217, Idaho Code.

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2. The date of priority of Permit No. 95-7918 should be advanced 2 days.

ORDER

IT IS HEREBY ORDERED that the date of priority of Permit No. 95-7918 is advanced to April 11, 1979.

Dated this 27th day of July, 1987.

L. Glen Saxton

L. GLEN SAXTON
Chief, Operations Bureau

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WATER RIGHT SPLIT

SUMMARY

ACTION	RIGHT NO.	NAME	AMOUNT CFS
Orginial Permit	95-7918	Emerald Investors, Inc.	1.2 cfs
Full Assignment	95-7918	Emerald Estates Water Association, Inc.	1.2 cfs

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STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
ASSIGNMENT OF PERMIT

OK to process
RC 7-20-83

We, EMERALD INVESTORS, INC., hereby assign to EMERALD ESTATES WATER ASSOCIATION, INC., of Hayden Lake, Idaho all of our right, title, and interest in and to Permit No. 95-7918 to appropriate the public waters of the State of Idaho.

IN WITNESS WHEREOF, EMERALD INVESTORS, INC., has caused this instrument to be executed by its President and Secretary this 20th day of May 1983.

EMERALD INVESTORS, INC.

Grant C. Corey
President

Attest: Herbert Nagel
Secretary

STATE OF IDAHO)
) ss
County of Kootenai)

On this 20th day of May 1983, before me, the undersigned Notary Public, personally appeared Grant C. Corey and Herbert Nagel, known to me to be the President and Secretary, respectively, of EMERALD INVESTORS, INC., an Idaho corporation, and the corporation which executed the foregoing instrument, and acknowledged to me that they signed the same for and on behalf of said corporation, and that they were duly authorized so to do.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year first herein written.

Vanessa Berach
Notary Public for State of Idaho
Residing at Bozeman

RECEIVED

JUL 14 1983

Department of Water Resources
Northern District Office

RECORDED

MAR 17 1988

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT

APPROVED

To appropriate the public waters of the State of Idaho

1. Name of applicant EMERALD INVESTORS INC Phone 667-9597

Post office address Box 907 Coeur d'Alene, Idaho

2. Source of water supply underground which is a tributary of _____

3. Location of point of diversion is NE $\frac{1}{4}$ of SE $\frac{1}{4}$ of Section 11 Township 51N

Range 4W B.M. KOOTENAI County, additional points of diversion if any: _____

4. Water will be used for the following purposes:

Amount 1.2 cfs for domestic purposes from Jan 1 to Dec 31 (both dates inclusive)
(cfs or acre-feet per annum)

Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)

Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)

Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per annum)

5. Total quantity to be appropriated:

a. 1.2 cubic feet per second and/or b. _____ acre-feet per annum.

6. Proposed diverting works:

a. Description of ditches, flumes, pumps, headgates, etc. well - Pump & Distribution Lines

b. Height of storage dam _____ feet, active reservoir capacity _____ acre-feet; total reservoir capacity _____ acre-feet, materials used in storage dam: _____

Period of year when water will be diverted to storage _____ to _____ inclusive.
(Month/Day) (Month/Day)

c. Proposed well diameter is 10 inches; proposed depth of well is 354 feet.

7. Time required for the completion of the works and application of the water to the proposed beneficial use is 5 years (minimum 1 year - maximum 5 years).

8. Description of proposed uses:

a. If water is **not** for irrigation:

(1) Give the place of use of water: NE $\frac{1}{4}$ of SW $\frac{1}{4}$
SE $\frac{1}{4}$ of NW $\frac{1}{4}$ of Section 12 Township 51N
NW $\frac{1}{4}$ of NW $\frac{1}{4}$
Range 4W B.M.

(2) Amount of power to be generated: _____ horsepower under _____ feet of head.

(3) List number of each kind of livestock to be watered _____

(4) Name of municipality to be served _____, or number of families to be supplied with domestic water 300.

(5) If water is to be used for other purposes describe: _____

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b. If water is for irrigation, indicate acreage in each subdivision in the tabulation below:

[illegible]

Total number of acres to be irrigated _____

c. Describe any other water rights used for the same purposes as described above. None

9. a. Who owns the property at the point of diversion EMERALD INVESTORS INC.

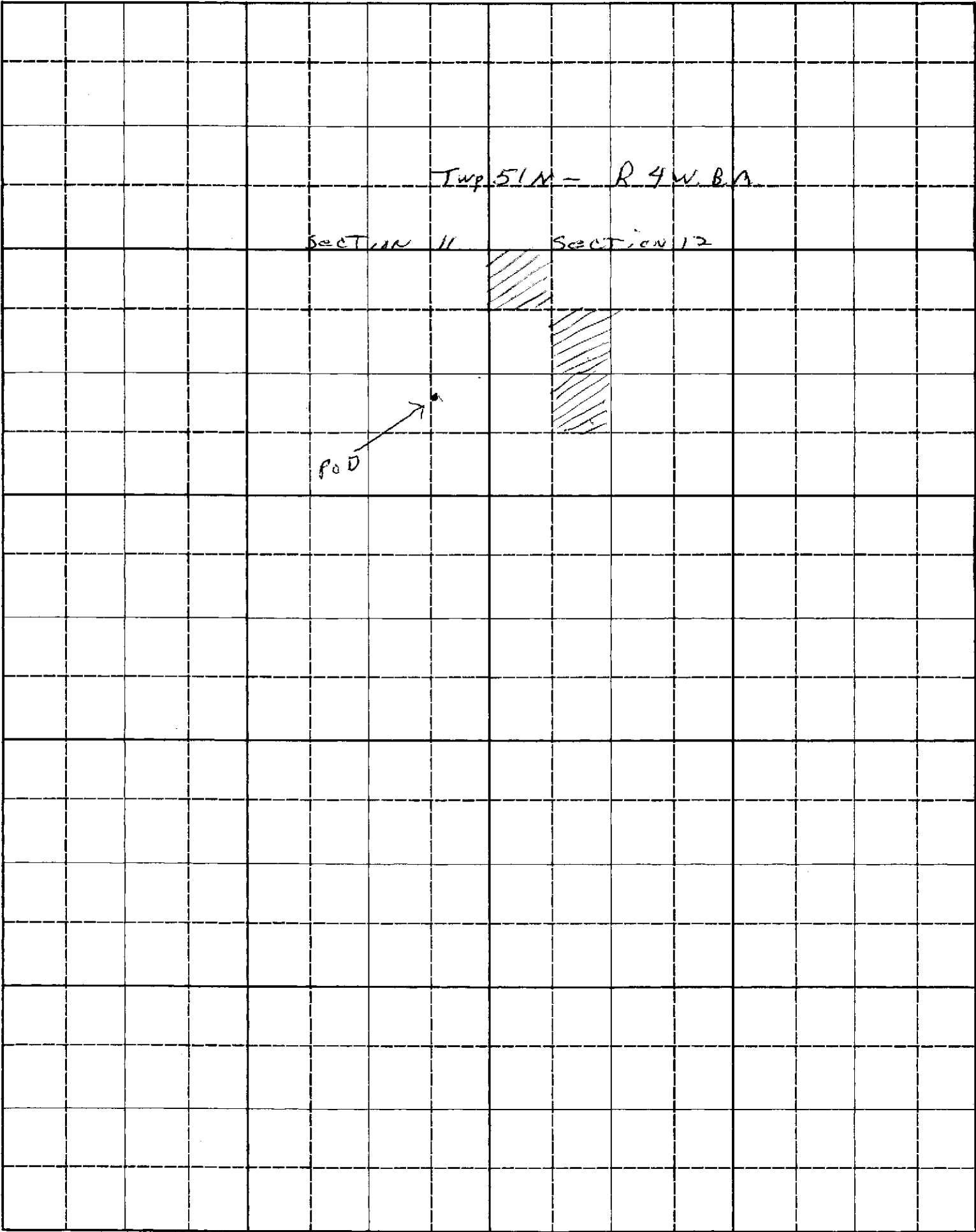
b. Who owns the land to be irrigated or place of use subdivision of various owners

c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing

10. Remarks _____

[illegible]

11. Map of proposed project: show clearly the proposed point of diversion, place of use, section number, township and range number.



Scale: 2 inches equal 1 mile.

BE IT KNOWN that the undersigned hereby makes application for permit to appropriate the public waters of the State of Idaho as herein set forth.

Emerald Investors Inc.
(Applicant)
By *Herbert Nogel, Sec.*

Received by ma Date 4/9/79 Time 1:00pm
 Preliminary check by JK Fee \$ 45.00
 Receipted by ma Date 4/10/79 (13520)
 Publication prepared by ma Date 4/11/79
 Published in Cosmos & Science Review
 Publication dates 4/10-26/79
 Publication approved ma Date 4/27/79
 Protests filed by: none

Copies of protests forwarded by _____
 Hearing held by _____ Date _____
 Recommended for approval denial by JK J.S.

ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES

This is to certify that I have examined Application for Permit to appropriate the public waters of the State of Idaho No. 95-7918, and said application is hereby APPROVED.

1. Approval of said application is subject to the following limitations and conditions:

- a. SUBJECT TO ALL PRIOR WATER RIGHTS.
- b. Proof of construction of works and application of water to beneficial use shall be submitted on or before May 1, 19 84.
- c. The rate of diversion, if water is to be used for irrigation under this permit, when combined with all other water rights for the same land shall not exceed 0.02 cubic feet per second for each acre of land.
- d. Other: (1) The issuance of this permit in no way grants any right-of-way or easement across the land of another. (2) An access port or other device as specified by the Department shall be installed by the permit holder to provide for the installation of measuring equipment and the determination of the rate of diversion by the Department.

Witness my hand this 16 day of May, 1979.

J. Glen Saxton
 Chief, Operations Bureau

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
LICENSING REPORT

Permit No. _____

1. Measurement Calculations

a) Field Measurement Calculations (Include theoretical capacities and system capacity)

b) Volume Calculations for Irrigation:

$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$ _____
 $V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 =$ _____
 $V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} =$ _____

c) Volume Calculations for Other Uses:

194 units x 1.2 AFA = 232.8 AFA
0.91 cfs x 1.9835 x 365 days = 658.8 AFA

2. Overlap Review *per VAX-*

a) Other water rights with same place of use: _____

b) Other water rights with same point of diversion: *none*

c) Analysis:

RECORDED

MAR 17 1988

10 day

- | 6. Beneficial Use | Period of Use | | Rate of Diversion | Annual Volume |
|-------------------|---------------|--------------|-------------------|------------------|
| | From | To | Q (cfs) | V (afa) |
| <u>Domestic</u> | <u>1-1</u> | <u>12-31</u> | <u>0.91 cfs</u> | <u>232.8 AFA</u> |

0.91 c/s 232.8 AFA

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Department of Water Resources

Permit No. 95-7918

2. ☒ Copy of U.S.G.S. Quadrangle Attached
Showing location(s) of point(s) of diversion and
place(s) of use (required). ☐ Aerial Photo Attached
(required for irrigation of 10 acres or more).
☒ Photo of Diversion and System Attached
(required for all but single household domestic groundwater, and stockwater).

System Description (continued)

3. **Narrative:** Description (As operating at time of measurement. Indicate pressure, number of sprinklers, etc.)

From pump through meter to 30,000 & 70,000 gal Resv.
 #1 & #2 pump from 30,000 gal Resv. ^{4" steel} ~~to 4" steel line~~
 From pumps ^{#1 & #2} "1" together to 20 press. tanks combine
 with 4" steel from #3 pump (70,000 gal Resv.), to a
 6" steel line through 20 press. tanks out through
 6" main line to P/D

☐ See Remarks on page 4 for continuation

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
Main Pump → Submers. blr					12" ^{or} 10"
Boster { #1 Submers. blr	Red Jac	10	4344 HKE	Red Jac	4"
#2 Submers. blr	Red Jac	10	16NIE8001	Red Jac	4"
#3 Submers. blr	H. Tachi	10	6895-37E	Red Jac	4"

*Code to correspond with No. on map and aerial photo

5. **Point(s) of Diversion:**

Ident. No.	Gov't. Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
			NE	SE	11	51N	4W	Kootenai	Map - App E

6. **Place(s) of Use:**

Indicate Method of Determination Map - App E

Twp.	Rge.	Sec.	NE 1/4				NW 1/4				SW 1/4				SE 1/4				Totals
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	
51N	4W	12								DD									

Do not use this space

D. FLOW MEASUREMENTS

☐ Additional Data Sheets Attached

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
meter	Muesco					

2. Measurements:

gal	Time	400 gal	1 min 29.1 sec
100	14.7		
100	14.6		
100	14.7	Avg. time = 14.66	
100	14.6		
100	14.7		

E. FLOW CALCULATIONS

☒ Additional Computation Sheets Attached - measured

1. Measured Method:

$$Q = \frac{8.8(7)(60)}{2.31(25) + (308)} = 1.03 \text{ cfs}$$

main pump
hp

2. Alternate Method for Checking Purposes:

$$Q = 1.2 \text{ cfs via permit}$$

$$Q = .91 \text{ cfs meter cal. on attached sheet}$$

F. PUMP EFFICIENCY DATA (Optional)

Discharge Pressure: _____ psi x 2.31 = _____ ft (1); Dynamic pumping level: _____ ft (2)

Total Head: (1) + (2) = _____ (3)

Flow rate: _____ cfs (4)

Water HP: (3) x (4) ÷ 8.8 = _____ (5)

Meter Input KW: 3.6 x _____ KH x _____ CTR or _____ MULT x _____ PTR x _____ N/ _____ T = _____ (6)

Meter Input HP: (6) x 1.34 = _____ (7)

Panel Input KW: _____ Ave PF x _____ Ave Volts x _____ Ave Amps x .001732 = _____ (6)

Panel Input HP: (6) x 1.34 = _____ (7) Efficiency: (5)/(7) x 100 = _____ %

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: ~~SEE REMARKS~~

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 48.5(3) = 145.5$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = 91 \times 245 = 442.2$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 145.5$$

2. Volume Calculations for Other Uses:

~~V Dom + 1/2 at lawn/garden~~

$$V_{Dom} = 194(.6) = 116.4$$

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H. REMARKS AND OVERLAP REVIEW ANALYSIS

PERMIT APPROVED PRIOR TO DEPT. REQUIREMENT OF
SEPERATE LISTING FOR DOMESTIC IRRIGATION. $\therefore$ 80 AC
- 40 AC FOR ROADWAY, DRIVEWAY, HOMES ETC = 40 AC IRR.
194 HOMES ($\cdot 25$ AC) = 48.5 AC IRR

I. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Dom (194)	1/1	12/31	0.91	116.4
IRR	3/15	11/15	0.91	~~145.5~~ 442.2
Totals:			0.91	261.9

2. Recommended Amendments

- ☐ Change P.D. as reflected above
 ☐ Add P.D. as reflected above
 ☒ None
☐ Change P.U. as reflected above
 ☐ Add P.U. as reflected above
 ☐ Other

J. AUTHENTICATION

Field Examiner's Name

Signature

Certification Date

Field Report Preparation Date

Jennifer Argraves/TOM KING
Jennifer Argraves Tom King

CONSULTANT SEAL

- K. Licensing recommendation shall be prepared by an Idaho Department of Water Resources employee on a computer printout attached hereto.

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Flow Cal

meter =

100 gal per Avg $\approx$ 14.66 sec

$$\frac{100 \text{ gal}}{14.66 \text{ sec}} \times \frac{60 \text{ sec}}{1 \text{ min}} \times \frac{2.23 \text{ cfs}}{1000 \text{ gpm}} = \boxed{.91 \text{ cfs}}$$

Also

$$\frac{400 \text{ gal}}{89.1 \text{ sec}} = 4.489 \frac{\text{gal}}{\text{sec}} \times \frac{60 \text{ sec}}{1 \text{ min}} \times \frac{2.23 \text{ cfs}}{1000 \text{ gpm}} = .6$$

Not
accurate
- This is
his cal.

REPRODUCED

MAR 17 1988

95 7918



NOT FILMED

MAR 17 1988

T51N

R04W

Sec 11

#95-7918

5289000m N.



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STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

95-7918
Permit No.

Staff Analysis Sheet
for
Beneficial Use Field Report

RECEIVED

SEP 24 1986

A. Prior to Conducting the Exam, the File Contains:

- ☐ Blank Field Report Form
- ☒ Copy of Permit
- ☐ Copies of any Amendments/Orders with conditions of approval Department of Water Resources
- ☒ Computer Data Proof Report
- ☒ Copy of U.S.G.S. Quad
- ☒ Check for Government Lots. If so, make a copy of Government Plat
- Check of P/D index J 9/2/86 (Initial and date)
- Overlap? ☐ yes ☒ no If yes: ☐ copy of exam(s) attached?
- Type of Overlap? ☐ Add acres or uses to existing system
- ☐ Increase rate of flow or volume
- ☐ Other: _____
- Check of P/U index J (Initial and date)
- Overlap? ☐ yes ☒ no If yes: ☐ copy of water right(s) attached?
- Type of Overlap? ☐ Increase rate of flow or volume
- ☐ Add P/D's
- ☐ Increase number of acres within tracts
- ☐ Other: _____
- Aerial Photo
- Required? ☐ yes ☒ no If yes: ☐ copy attached?
- Scheduling Letter sent? _____ (Initial and date)
- ☐ Appointment made and telephone conversation memo attached

B. After Conducting the Exam, the File Contains:

- ☒ Fully completed and signed Field Report Form
- ☒ Photographs of Point of Diversion and Place of Use TAKEN
- ☒ Corrected Computer Data Proof Report with recommended license information, and date and signature of examiner.

C. Review and Processing:

Exam Completed 9/2/86 J.A. BYL (Signature of examiner and date)

Exam Reviewed by Senior Water Resource Agent J 9/2/86 (Initial and date)

Exam Reviewed by Manager of Regional Office PSA 9/22/86 (Initial and date)

Exam Date Entered in Computer 9/22/86 (Initial and date)

Exam sent to State Office _____ (Initial and date)

Copy of Staff Analysis Sheet sent to Manager of Regional Office and Original

Refiled in White File _____ (Initial and date)

CALCULATION OF NEW PRIORITY DATES
LATE EXAM FEES

FOR PERMIT NO. 95-7918

BY: Kay Walker
4/30/87

	<u>DATE</u>	<u>NUMBER OF DAYS</u> <u>(From Table of Days</u> <u>Between Two Dates)</u>
A. EXAMINATION FEE NOTICE SENT	4-17-86	107
B. DATE FEE DUE (60 days)	6-16-86	167
C. DATE FEE RECEIVED	6-18-86	169
D. NUMBER OF DAYS LATE (C - B)		2
E. ORIGINAL PRIORITY DATE	4-9-79	99
F. NEW PRIORITY DATE (D + E)	4-11-79	101

REMARKS:

4/86

RECEIVED

JUN 23 1986

Department of Water Resources
STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES

EXAMINATION FEE INFORMATION

For Office Use Only
Fee Received 125.00
Date 6/18/86
Receipt # 38010
Receipt by Mr
Sent to S.O. 6/19/86

RECEIVED
JUN 26 1986

1. Permit No. 95-7918

ONE OF THE FOLLOWING BOXES SHOULD BE MARKED TO DESIGNATE YOUR CHOICE Department of Water Resources
Northern District Office
☒ I choose to have the department make the field examination of this permit, attached is the examination fee. (If this box is marked, complete items 1 thru 8.)

2. Permit Holder: EMERALD ESTATES WATER ASSOC., INC.

3. Post Office Address: P.O. BOX 1082
HAYDEN LAKE, ID. 83835 Telephone No. 208 772-2022

4. Source of Water: WELL

5. Extent of Use:

Domestic 194 (No. of households) Stockwater _____ (No. and type of stock)

Irrigation _____ (acres) Other/Remark _____

6. Total rate &/or volume for which proof is submitted 1.2 cfs _____ acre-feet

7. Show the date water was first diverted and beneficially used under this permit:

8. Person to contact to accompany the department representative during the field examination:

TIMOTHY WARD

(Name) **RECORDED**

(Address) **FILED**

772-2022

(Telephone Number)

☐ I choose to have the field examination conducted by a certified water right examiner. Attached is a statement from the certified examiner I have selected verifying that he has been retained to conduct the examination. (If this box is marked, complete items 1 thru 7.)

Date JUNE 16, 1986

Signature of Permit Holder (and title, if appropriate)
EMERALD ESTATES WATER ASSOC INC

By Tward, SECRETARY

State of Idaho
Department of Water Resources

APPLICATION FOR PERMIT ANALYSIS SHEET

INITIAL REVIEW BY: JK

APPLICATION NUMBER: 95-7918

CHECK:

Emald

W ☒ Source.

Field check by: _____

☒ Point of diversion.

Date: _____

☒ County: Ant

Comments: _____

1.2 ☒ Description of diverting works.

☒ Time required for beneficial use of water.

☒ Place of use or acres irrigated.

☒ Map.

☒ Signature: Sec

☒ Fee: 45

☐ Yes ☒ No ☒ Field check required.

☐ Yes ☒ No ☒ Critical groundwater area.

☐ Yes ☒ No ☒ Request dam safety information. Sent by: _____ Date: _____

☒ Yes ☐ No ☐ In form to receipt.

*REQUEST THE FOLLOWING ADDITIONAL INFORMATION FROM THE APPLICANT: _____

SEND COPIES TO:

☒ Idaho State Health Department.

Copies sent by: JK Date: 4/1/79

☐ Idaho Fish and Game Department.

☐ Idaho Department of Lands.

N/A ☐ U.S. Bureau of Land Management.

☐ U.S. Forest Service.

☐ Other _____

PROCESSING:

☐ Yes ☒ No ☒ Platted by: _____ Map No. _____

☐ Yes ☒ No ☒ Other rights on same place of use. N/A

☒ Yes ☐ No ☐ In form for advertising.

☐ Yes ☒ No ☒ Final date for protests: May 7, 1979

☐ Yes ☒ No ☒ Protests received. If yes, record information on 4th page of application.

FINAL REGIONAL PROCESSING REVIEW:

☒ Affidavit of publication received. Date: 4/29/79

☒ Application published correctly. If not, record action taken: _____

☒ Fee amount, receipt date & number, recorded on application.

☒ Publication dates and paper, recorded on application.

☒ Protests, dates, withdrawal, etc., recorded on application.

☒ Recommendation & initial, recorded on application.

☐ Yes ☒ No ☒ Measuring device required.

☐ Yes ☒ No ☒ Access port required.

☐ Yes ☒ No ☒ Will water be delivered by watermaster? If yes, what district? _____

4/9/79 ☒ Date of priority recommended.

Special conditions of approval or cover letter. _____

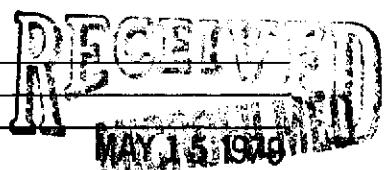
By: Reg A Date: 5-9-79

STATE OFFICE REVIEW:

Right of Way

☐ See attached sheet for more information.

By: J.J. Date: 5/15/79



Department of Water Resources