

STATE OF IDAHO  
DEPARTMENT OF WATER RESOURCES  
**APPLICATION FOR PERMIT**

To appropriate the public waters of the State of Idaho

1. Name of Applicant Idaho Water Resource Board Phone (208) 327-7900  
Mailing address 1301 N. Orchard St., Boise, ID 83706
2. Source of water supply Snake River which is a tributary of Columbia River
3. Location of point of diversion is Township 04N Range R40E Sec. 27 in the \_\_\_\_\_ 1/4,  
NW \_\_\_\_\_ 1/4, SW \_\_\_\_\_ 1/4, Govt. Lot \_\_\_\_\_, B.M., Jefferson County;  
additional points of diversion if any: \_\_\_\_\_
4. Water will be used for the following purposes:  
Amount 698.0 cfs for Groundwater Recharge purposes from 01/01 to 12/31 (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)  
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 is (a) 698.00 and/or (b) \_\_\_\_\_  
cubic feet per second acre feet per annum
6. Proposed diverting works:
  - a. Describe type and size of devices used to divert water from the source Headworks of Harrison Canal
  - b. Height of storage dam \_\_\_\_\_ feet; active reservoir capacity \_\_\_\_\_ acre-feet; total reservoir capacity \_\_\_\_\_ acre-feet
  - c. Proposed well diameter is \_\_\_\_\_ inches; proposed depth of well is \_\_\_\_\_ feet
  - d. Is ground water with a temperature of greater than 85°F being sought? \_\_\_\_\_
  - e. If well is already drilled, when? \_\_\_\_\_; Drilling firm \_\_\_\_\_  
Well was drilled for (well owner) \_\_\_\_\_; Drilling Permit No. \_\_\_\_\_
7. Time required for completion of works and application of water to proposed beneficial use is 5 years (minimum 1 year)
8. Description of proposed uses (if irrigation only, go to item 9):
  - a. Hydropower; show total feet of head and proposed capacity in KW. \_\_\_\_\_
  - b. Stockwatering; list number and kind of livestock. \_\_\_\_\_
  - c. Municipal; show name of municipality. \_\_\_\_\_
  - d. Domestic; show number of households. \_\_\_\_\_
  - e. Other; describe fully. Groundwater Recharge using canal systems

9. Description of place of use:

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

b. If water is used for other purposes, place a symbol of the use (example: D for Domestic) in the corresponding place of use below. See instructions for standard symbols. SEE ATTACHED RECHARGE PLAN

TWP	RGE	SEC	N E				N W				S W				S E				TOTALS		
			NE	NW	SW	SE															

Total number of acres to be irrigated \_\_\_\_\_

10. Describe any other water rights used for the same purposes as described above. \_\_\_\_\_

11. a. Who owns the property at the point of diversion? Harrison Canal & Irrigation

b. Who owns the land to be irrigated or place of use? Harrison Canal & Irrigation

c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing: There is an agreement signed by the canal and the Board

12. Remarks: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

13. MAP OF PROPOSED PROJECT REQUIRED - Attach an 8½"x11" map clearly identifying the proposed point of diversion, place of use, section #, township & range. (A photocopy of a USGS 7.5 minute topographic quadrangle map is preferred.)

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

Clarence Parr  
Signature of Applicant (and title, if applicable)

Received by N/A Date 3-20-98 Time 3:30<sup>P</sup> Preliminary check by \_\_\_\_\_  
 Fee \$ N/A Received by \_\_\_\_\_ # \_\_\_\_\_ Date \_\_\_\_\_  
 Publication prepared by \_\_\_\_\_ Date \_\_\_\_\_ Published in \_\_\_\_\_  
 Publication approved \_\_\_\_\_ Date \_\_\_\_\_

AN AGREEMENT TO CONVEY RECHARGE WATERS  
BETWEEN THE IDAHO WATER RESOURCE BOARD  
AND  
HARRISON CANAL AND IRRIGATION

This Agreement is entered into by and between the Idaho Water Resource Board (hereinafter "IWRB") and Harrison Canal and Irrigation (hereinafter "Company" or "District"). The purpose of this Agreement is to secure permission for the IWRB to convey waters through the water delivery system of the Company or District to the place of recharge.

NOW THEREFORE, IN CONSIDERATION OF THE PROMISES STATED  
HEREIN:

1. The Company or District hereby agrees to allow recharge waters to be diverted into its canal system for recharge and conveyance purposes at times when water is available to IWRB for recharge purposes and unused capacity is available in the canal system to carry the recharge waters. The legal description of the point of diversion to the canal system is as follows: T4N R40E Sec 27 NWSW, Jefferson County.

2. The Company or District further agrees to allow the recharge waters to be conveyed unimpeded through its canals and ditches to the place of recharge described as follows: \_\_\_\_\_

\_\_\_ [see appended ATTACHMENT for legal description of recharge site]

3. The parties jointly acknowledge and accept as consideration for this Agreement the water supply benefits expected to be derived from the managed recharge of the state's ground water basins. Subject to the availability of funds, IWRB agrees to pay and the Company or District agrees to accept as additional consideration for this Agreement a per acre-foot conveyance fee, as determined by IWRB, to be paid for the water diverted into and conveyed through the Company's or District's canal system for recharge purposes.

4. IWRB agrees to indemnify and hold harmless the Company or District from all liability and expense on account of claims, suits and costs growing out of or connected with willful or negligent acts, errors, or omissions by its employees or agents, provided, however, that the Company or District shall not be relieved hereby from liability for its own willful or negligent acts, errors, or omissions, and those of their employees or agents.

5. This Agreement shall remain in effect for one year from the date of execution and shall renew annually unless terminated by either party after 90 days written notice.

Claude Steen  
Title: Director  
Representing:  
Date: 4-15-98

Charlene Pan  
Chairman  
Idaho Water Resource Board  
Date: \_\_\_\_\_

RECEIVED

APR 16 1998

Department of Water Resources  
Eastern Region

AQUIFER RECHARGE PLAN  
EASTERN SNAKE PLAIN AQUIFER

1. NAME AND ADDRESS OF THE PARTICIPATING ORGANIZATION:

NAME Harrison

ADDRESS 11245 N 75E

CONTACT PERSON Claude Storch

PHONE 523-1999

ADDRESS 11245 N 75E  
I. F 83401

2. PROPOSED BEGINNING AND ENDING DATES OF RECHARGE:

ANTICIPATED STARTING DATE: Nov 1

ANTICIPATED ENDING DATE: Dec 15

3. AMOUNT OF WATER REQUESTED: 10.000 AF Acre-feet.

4. MAP OF RECHARGE AREA

Attach a map of the recharge area paying specific attention to location of features directly related to the recharge effort. This would include such things as measuring devices, seepage pits, injection wells etc. These features should be indicated on the map and then identified and described below.

- |   |  |
|---|--|
| A. <u>Main gates</u>                              | B. <u>Water Resource Monitor Meters</u>          |
| C. <u>Divide - North &amp; South Branches</u>     | D. <u>Gravel Pit for water level measurement</u> |
| E. <u>Final Check - North Branch</u>              | F. <u>Final Check - South Branch</u>             |
| G. <u>Sinks and gravel bars past end of Canal</u> | H. <u>Drain into Snake River.</u>                |
| I. _____  | J. _____   |
| K. _____  | L. _____   |

5. MEASUREMENT FREQUENCY FOR EACH MEASURING DEVICE IDENTIFIED IN 4.

- |                       |                       |
|-----------------------|-----------------------|
| A. <u>Twice daily</u> | B. <u>Twice daily</u> |
| C. <u>Daily</u>       | D. <u>Weekly</u>      |
| E. <u>Twice daily</u> | F. <u>Twice daily</u> |
| G. _____              | H. _____              |
| I. _____              | J. _____              |
| K. _____              | L. _____              |

6. WRITTEN SUMMARY OF PROPOSED RECHARGE PLAN

This summary should include such things as time limited elements of the plan, the measuring devices and procedures that will be used to identify water that is diverted but not recharged.

Water is measured at head gates and compared to Water Resource Monitor station. At "D" the rise in water table is observed weekly versus dates throughout the season. Water at A, B, E, F are measured twice daily. "C" is measured once daily. After the last gate on the North Branch the silt and gravel beds are not sealed. Sixty-one (61) CFS is lost into the aquifer after last gate without reaching the Snake River. Loss has been verified at 100 CFS over 29 miles of canal which equates to  $2.9$  CFS/mile. This loss to aquifer continues throughout the irrigation season.

Daily loss to aquifer during irrigation season is 100 CFS daily.



