

# Edwards, Howard & Martens, Inc.

ENGINEERS / PLANNERS / SURVEYORS

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IN THE FIELDS OF:

PLANNING  
SURVEYING  
HIGHWAYS  
WATER  
SEWAGE  
STRUCTURAL  
SUBDIVISIONS  
AIRPORTS  
BRIDGES

November 23, 1983

Department of Health & Welfare  
963 Blue Lakes  
P. O. Box 1626  
Twin Falls, Idaho 83301

Attention: Russ Rank

Dear Mr. Rank:

RECEIVED

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Department of Water Resources

Subsequent to our recent meetings concerning the proposed Snake River Aquifer Recharge District, I have developed a plan to evaluate the ground water impacts of the proposed recharge efforts. This plan was developed with consultation with Mr. Charles Brockway. The plan steps are as follows:

1. Field inventory all wells in the area. Data to be accumulated where available includes well logs, static water table, location, usage, and potential for localized contamination. Well depths will be determined by soundings where logs are not available. All inventoried wells will be sampled and tested for presence of bacteria.
2. The data accumulated will be utilized through a geologic and hydrologic analysis to establish a model subsurface profile and gradients.
3. Permeability and transmissibility values will be assigned to each of the strata layers comprising the model.
4. The model and assigned values will be utilized to determine the dimensions and characteristics of the resulting subsurface mound.
5. The existing wells and their location in relationship to the mound will be evaluated to determine if they will be suitable for monitoring the effects of the recharge effort.



the foregoing is a true and certified copy of the document on file at the Department of Water Resources.

Signed this 31<sup>st</sup> day of October, 2018.

*Shelley W. Keen*

6. If no existing wells are properly situated for monitoring, a site will be selected for potential monitoring well site.
7. Strategically located wells will be selected for conducting ongoing water quality testing. This sampling and testing would be initiated prior to beginning any recharge activity to establish a base.
8. The recharge district will monitor the identified wells indefinitely to determine if any detrimental effect occurs. The mitigation of any substantiated water quality deterioration will be resolved on an individual basis by the Lower Snake River Aquifer Recharge District (LSRARD) board.

The above specified plan will be implemented immediately and completed as quickly as possible or as directed by the LSRARD board. It is anticipated that some modification will be required as the study develops and additional data becomes available.

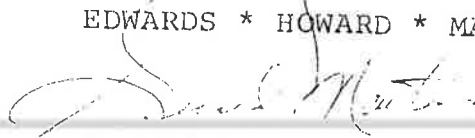
It has been my approach in the establishment of this plan that the proposed activity be viewed as a beneficial use of surplus surface waters to supplement the regional aquifer rather than a project to dispose of wastewater. The intended beneficiary is all users of the aquifer waters rather than an individual entity as would be the case in a typical disposal project.

It should also be noted that the LSRARD has directed construction of the discharge facilities subject to approval by the owners and operators of the Milner-Gooding Canal with the specific goal of beginning recharge activities during 1984.

Please feel free to contact me if there are any questions.

Respectfully yours,

EDWARDS \* HOWARD \* MARTENS, INC.



Gerald L. Martens, P.E.

GLM/bn  
cc: file