



STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

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SEP 25 2014
DEPT. OF WATER RESOURCES
SOUTHERN REGION

650 Addison Avenue West, Suite 110 • Twin Falls, Idaho 83301 • (208) 736-2190
www.deq.idaho.gov

C. L. "Butch" Otter, Governor
Curt Fransen, Director

September 24, 2014

Transfer 78927

The Honorable Walter Nelson
Mayor, City of Gooding
308 5th Avenue West
Gooding, Idaho 83330-1205

Re: **Ground Water Quality Monitoring Program for the City of Gooding Recharge Site,
Gooding County**

Dear Mayor Nelson:

Please be aware that Chuck Brockway, with Brockway Engineering has submitted the above referenced final ground water recharge ground water quality monitoring program to this office for our use, review and comment.

We have reviewed the ground water quality monitoring program and we have the following comments.

- On-going Monitoring Parameters and Frequency. MPA Testing. Page Number Ten. General Comment. It was determined from our review of the document that the city of Gooding will perform micro particulate analysis (MPA) testing on monitoring well number MW-2. The proposed frequency is once after the monitoring well is constructed and once every four years thereafter. The plan suggests DEQ would only be notified if the analysis indicates a high risk for surface water influence (Analysis Result of Nine). With this in mind, please understand that MPA testing is an important tool and could alert us to adverse surface water recharge impacts and we respectfully request formal notification each time a MPA analysis is completed and the MPA result be provided.
- Figure One – City of Gooding GW Monitoring Plan Map. General Comment. After reviewing the proposed monitoring well placement strategy, we respectfully request that monitoring well MW-1 be constructed further north or further west to produce a more equilateral triangle orientation with respect to monitoring wells MW-2 and MW-3.
- The City of Gooding must report any result reaching an alert level within 24 hours of receipt of laboratory results. Routine samples and field parameters must be submitted within 10 days of receipt of laboratory results.

- The City of Gooding must develop, submit and implement a contingency plan to address potential emergency situations at the recharge area and in the recharge water delivery system. Examples of emergency situations to be addressed in the contingency plan may include the following:
 - Misapplication of pesticides or herbicides to either the recharge basin or the water delivery system during a period of recharge.
 - An accident involving a vehicle along the delivery system.
 - Aerial application of pesticides or herbicides to the recharge basin or along the delivery system.
 - Basin stability, such as sinkhole development.

A notification procedure and plan of action must be included in the contingency plan.

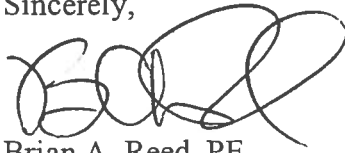
It was determined from our review of the Ground Water Quality Monitoring Program for the City of Gooding Recharge Site that the recharge project has been suitably overviewed and defined; the monitoring well strategy with respect to number and orientation of monitoring wells is acceptable; the proposal incorporates a multi-parameter ground water and surface water monitoring strategy which should alert the city of any groundwater impacts; and a suitable immediate and annual DEQ notification protocol will be provided. At this time, we hereby accept the city of Gooding groundwater recharge proposal for planning, design and implementation.

We have enclosed one stamped groundwater recharge proposal bearing DEQ acceptance for city use, review and project record. Please retain this document with state drinking water SRF loan project records as well as ground water recharge records. We are also enclosing one DEQ Monitoring Program Agreement for Managed Recharge by Land Application for your review and authorization. We respectfully request that the agreement be returned to us upon its acceptance and that the associated U.S. Bureau of Land Management environmental information document (EID) determination be forwarded to this office upon its issuance.

Please understand that unauthorized deviation or failure to comply with the conditions contained in the agreement and recharge program document may result in enforcement, additional monitoring or disallowed use of the recharge site.

If you have any questions, please do not hesitate to contact this office at 736-2190.

Sincerely,



Brian A. Reed, PE
Technical Engineer I

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Enclosure: One stamped, accepted ground water recharge proposal and DEQ Recharge Agreement

cc: Chuck Brockway, Ph.D, PE, Brockway Engineering, Twin Falls w/o enc.
Todd Bunn, City of Gooding w/o enc.
Rob Lanford, USDA-RD, Twin Falls w/o enc.
Holly Crawford, BLM Field Office, Shoshone w/o enc.
Alan Merrit, PE, IDWR, Twin Falls w/o enc.
Oksana Roth, E.I, Keller & Associates, Pocatello w/o enc.

ec: Irene Nautch, DEQ-Twin Falls Regional Office w/ enc.
Tonia Mitchell, DEQ-State Office w/ enc.
David Anderson, DEQ-Twin Falls Regional Office w/ enc.
MaryAnna Peavey, DEQ-State Office w/ enc.
Ester Ceja, DEQ-State Office w/ enc.