

Priority Goal #5: Allocate necessary resources (\$1-5 million) within five years to identify and prioritize current contamination issues impacting the Equus Beds Aquifer and develop a plan to manage and mitigate the contamination. Review existing studies and emerging technologies to develop a new conceptual plan with estimated costs. Begin implementation of the plan within 10 years of completing the study.

Action Steps

- ❖ Develop an inventory of known contamination sites within the Equus Beds Aquifer.
 - ◇ GMD2 to lead effort, anticipated completion by 12/2017
- ❖ Concurrent with development of contamination site inventory, identify data gaps associated with inventoried sites, this could include lack of definition regarding vertical or horizontal extent of contamination, concentration of contaminants or the source of contamination of an identified site.
 - ◇ GMD2 to lead effort alongside collaboration with KCC and KDHE.
- ❖ Prioritize sites for additional investigation utilizing development of prioritization criteria.
- ❖ Utilize and refine existing groundwater models to address site specific data needs associated with the performance of additional investigations.
- ❖ Install additional monitoring wells and piezometers as necessary to collect data where needs are identified.
- ❖ Complete a remediation feasibility study for the top three prioritized sites.
- ❖ Complete pilot studies as required to facilitate groundwater remediation feasibility.
- ❖ Develop a process to address the contaminated sites within the Equus-Walnut Region.

Agencies/Organizations

- ❖ GMD2 will lead the effort in collaboration with Equus Beds Stakeholders and Stakeholder Organizations, KDHE, KCC, KWO, KGS and DWR.

Resources Needed

- ❖ Successful implementation of this goal will require significant financial resources. It is estimated that completion of action steps I-III will require funding of approximately \$100,000 over the next two years. Funding levels associated with the remaining action items will be developed during the inventory and prioritization process. For planning purposes the total estimated funding requirements for the prioritized sites is in the 1-5 million dollar range.

Timeframe

- ❖ Achieve the initiation of active remediation within 5-10 years.

Geographic Scope

- ❖ The prioritization process will identify the sites offering the greatest return or cost benefit results. Stakeholder engagement will be utilized in the prioritization process.

Regulation/Policy Changes

- ❖ The need for regulatory or policy change will be identified throughout the process and additional action items developed to initiate any changes required.