

Priority Goal #3: Enhance the monitoring of poor quality water in areas which have salt water disposal lines, disposal wells and areas with high salt sources to ensure that contamination of fresh water sources does not occur as well as to stop and reverse further contamination of fresh water sources. Establish a self-reporting program under penalty of law if a problem is observed to ensure the problem does not get worse. Start using mapping techniques and disposal line maintenance and replacement to ensure this goal is met. Set up a review program by 2020.

Action Steps

- ❖ Evaluate extent of KDHE surface water monitoring network in petroleum producing areas and areas with high salt sources within Great Bend Prairie Regional Planning Area.
 - ◇ Work with KDHE to modify surface water monitoring network if evaluation finds that necessary.
- ❖ Develop inventory of current active and legacy salt water disposal lines in Great Bend Prairie Regional Planning Area.
- ❖ Continue programs to evaluate current extent of salt water disposal well inventory.
- ❖ Evaluate effectiveness of current spill and escape notification requirements.
 - ◇ Work with KCC to modify current spill and escape notification requirements if evaluation finds that necessary.
- ❖ For all Sensitive Groundwater Areas in the Great Bend Prairie Regional Planning Area:
 - ◇ Check the integrity of active and known legacy disposal systems.
 - ◇ Investigate the integrity of plugged abandoned wells suspected of leaking.
 - ◇ Continued programs to conduct Mechanical Integrity Tests on all injection or disposal wells.
 - ◇ Develop a routine groundwater quality program to help determine extent and sources of contamination.
- ❖ Educate public in Great Bend Prairie Regional Planning Area about causes and trends of salinity issues.

Responsible and Assisting Agencies/Organizations:

- ❖ Kansas Corporation Commission, Environmental Protection Agency, Kansas Department of Health and Environment, Kansas One-Call, GMD5, Kansas Geological Survey, Kansas Water Office, Petroleum Industry, Local Landowners

Resources Needed:

- ❖ Financial resources for development of inventory of active and legacy saltwater disposal lines (cost TBD).
- ❖ Financial resources for development of continuous groundwater quality program (cost TBD).
- ❖ Technical/financial resources associated with evaluations, inventories, investigations, and tests (cost TBD).

Timeframe of Completion:

- ❖ All action steps should be completed or initiated by 2026.

Geographic Scope:

- ❖ Past and current oil production areas within Great Bend Prairie Planning Region and Sensitive Groundwater Areas.

Regulation/Policy Changes:

- ❖ Explore reporting requirement exemptions noted in K.A.R. 82-3-603(b)(3)
- ❖ Disposal lines should be GPSed and tracer lines installed.
- ❖ One-Call will contact the operator to identify lines.