



CLASS III SALT SOLUTION MINING WELLS
GUIDANCE FOR GROUNDWATER MONITORING PLAN
REQUIRED BY KDHE REGULATION K.A.R. 28-46-30b

UICIII-G1
(4/11)

Narrative:

This plan shall be submitted to KDHE on or before August 6, 2012, for review and consideration for approval. The plan must be developed by someone with the expertise and experience in developing this type of plan. The plan shall be implemented on or before August 6, 2013.

Plan Requirements:

The following shall be included in the Groundwater Monitoring Plan:

1. The groundwater monitoring plan shall be capable of monitoring the groundwater quality in the vicinity of the active brine field operations for chloride concentration and any other parameters determined necessary by KDHE.
2. Annually, each well shall be sampled and analyzed for chloride concentration and the static ground water level measured, or on a more frequent basis if determined necessary by KDHE to be protective. This information shall be provided to KDHE within 30 days of obtaining the results on a form provided by KDHE.
3. The static groundwater level shall be measured at the time the groundwater sample is collected.
4. All well locations, well screen setting depths and the spacing between all well locations shall be based on the geology and hydrogeology at the facility.
5. The hydrogeologic information and the evaluation of the information used in developing this plan must be provided in support of the plan. Justification of the location, depth, spacing and construction standards of the wells shall be provided.
6. The screen of each shallow monitoring well shall be set at a depth that is inclusive of the seasonal fluctuation of the water table.
7. The monitoring well network shall include both shallow and deep monitoring wells.

8. The groundwater monitoring network shall include both up gradient and down gradient monitoring wells.
9. The monitoring wells shall be installed by a KDHE licensed water well contractor who has experience installing groundwater monitoring wells.

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