



CLASS III SALT SOLUTION MINING WELLS

GUIDANCE FOR GROUNDWATER MONITORING QUALITY ASSURANCE PLAN REQUIRED BY KDHE REGULATION K.A.R. 28-46-30b

UICIII-G2
(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 for all groundwater samples collected as required by K.A.R. 28-46-30b.

The KDHE Standard Operating Procedure (SOP) documents SOP BER-1, SOP BER-05, SOP BER-06 and SOP BER-19 found at the following KDHE website can serve as additional guidance in developing such plans:

http://www.kdheks.gov/environment/qmp/download/BER_SOPs_Appendix_A.pdf

Other SOPs listed at this website may also prove useful. This reference to these SOPs is not meant to infer there is groundwater contamination at a facility, but rather that KDHE believes these SOPs are a good resource for use in developing the Quality Assurance Plan for Groundwater Monitoring.

Plan Requirements:

The plan shall include the following:

1. Analysis of the groundwater collected from the monitoring well shall be conducted by a KDHE certified laboratory certified to analyze for chloride and any other parameters determined necessary by KDHE.
2. A detailed description of the technique used to obtain the groundwater sample. The technique shall result in a representative sample of groundwater from the aquifer.
3. A detailed description of the quality control/assurance measures for the groundwater samples collected including:
 - Containment and disposal of sampling derived water that is contaminated or suspected of being contaminated
 - Sampling equipment
 - Sampling equipment decontamination
 - Sample containers and labels
 - Sample storage
 - Sample shipment

- Blanks
 - Sample shipment
 - Chain of custody
 - Chain of custody records
4. A detailed description of the technique to be used to measure the static groundwater level of the monitoring wells. The technique shall result in a representative measurement of the static groundwater level.

R/procedures/UICIII-G2
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