

**BUREAU OF ENVIRONMENTAL REMEDIATION/REMEDIAL SECTION
GUIDELINE
SCOPE OF WORK FOR SITE MONITORING**

BER POLICY#BER-RS-036


DATE: 1996

Revised 2005

PAGES: 3

Section Chief: 

Date: 12/29/05

Bureau Manager: 

Date: 12/30/05

REVISIONS

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Date of Revision: 12/28/05

ORIGINATOR

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Date: 1991

12/29/2005

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The primary objective of the Site Monitoring Scope of Work is to monitor conditions at a contaminated site in order to meet site-specific regulatory corrective action goals and to prevent further degradation of the waters of the State of Kansas.

This objective is to be achieved through performance of the following actions:

- 1) submit a Site Monitoring Work Plan ("Plan") to KDHE for review and approval which presents a strategy to monitor the site and/or the effectiveness of corrective action implemented at the site to ensure that KDHE-established corrective action goals or site monitoring goals are attained;
- 2) implement the KDHE-approved Site Monitoring Work Plan in accordance with the schedule contained within the Plan;
- 3) submit Site Monitoring Evaluation Reports which document the current conditions at the site and the effectiveness of site monitoring and/or corrective action implemented at the site;
- 4) in the event site monitoring data demonstrate that KDHE-established corrective action goals or site monitoring goals are not, or are not likely, to be attained, propose contingency actions or corrective action measures to achieve those goals.
- 5) submit a Final Site Monitoring Evaluation Report to KDHE for review and approval which provides the appropriate data documenting that KDHE-established corrective action goals or site monitoring goals have been attained in accordance with the criteria documented in KDHE policy # BER-RS-024, Reclassification Plan.

This Scope of Work outlines the required elements of the Site Monitoring Work Plan which is to be prepared as a deliverable document. The Site Monitoring Scope of Work shall, at a minimum, include the following components:

1.0 SITE MONITORING WORK PLAN

A Site Monitoring Work Plan shall be submitted to KDHE for approval which describes the activities necessary to monitor and evaluate the effectiveness of the implemented corrective action, if appropriate, and to ensure that KDHE-established corrective action goals or site monitoring goals are being attained. At a minimum, the Site Monitoring Work Plan shall include:

- a description of the KDHE-established corrective action goals or site monitoring goals
- a site monitoring strategy to achieve the stated goals
- a description of the tasks necessary to implement the Site Monitoring Work Plan
- a schedule for implementing the Site Monitoring Work Plan;
- a description of the various media to be monitored (ground water, surface water, soil, soil vapor, etc.), the frequency of the monitoring, and the analytical methods that will be used
- a description of quality assurance/quality control (QA/QC) considerations for laboratory and field activities, including analytical detection limits
- a description of reporting methods, format, and frequency
- a contingency plan, including criteria for implementation, if the KDHE-established corrective action goals or site monitoring goals are not being met.

2.0 SITE MONITORING PROGRAM

The effectiveness of site monitoring and/or implementation of corrective action at the site shall be evaluated through implementation of the KDHE-approved Site Monitoring Work Plan to determine whether KDHE-established corrective action goals or site monitoring goals are being attained. The schedule and frequency for site monitoring shall proceed according to the schedule within the KDHE-approved Site Monitoring Work Plan.

3.0 SITE MONITORING EVALUATION REPORTS

Site Monitoring Evaluation Reports ("Reports") shall be submitted to KDHE in accordance with the schedule contained within the KDHE-approved Site Monitoring Work Plan. At a minimum, the Reports shall include:

- a narrative description and graphic evaluation of the effectiveness of the corrective action and/or site monitoring to attain KDHE-established goals
- laboratory analytical data including summary tables and figures
- remedial system operation and maintenance information, if applicable
- remedial system malfunctions or modifications, if applicable
- static water elevation measurements and top-of-casing elevations

- a map illustrating the site and associated monitoring wells or other sample point locations
- a description of any deviations from the approved sampling procedures
- QA/QC data evaluation
- a contour map of the water level elevation (potentiometric surface map)
- logs of any newly constructed site wells
- and all other relevant site data collected during the reporting period

If site monitoring demonstrates that KDHE-established corrective action goals or site monitoring goals are not being attained, a document should be submitted to KDHE for approval recommending implementation of the contingency plan or appropriate corrective action measures to achieve the KDHE-established goals. KDHE must be notified within seven days of any significant changes in site conditions which may diminish the effectiveness of site monitoring and/or the implemented corrective action to protect human health and the environment.

KDHE must be notified seven days prior to any scheduled on-site sampling or maintenance activities.

A Final Site Monitoring Evaluation Report must be submitted to KDHE which documents that site monitoring and/or corrective action implemented at the site has satisfied the KDHE-established corrective action goals or site monitoring goals in accordance with the criteria documented in KDHE policy # BER-RS-024, Reclassification Plan. Upon approval of the final report, KDHE shall issue a letter confirming completion of site monitoring or corrective action implemented at the site. At its discretion, the Respondent may submit a Reclassification Plan (RCP) to KDHE for review and approval to reclassify the site from active to resolved status (see BER Policy # BER-RS-024).