

OHIO DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF RECLAMATION

**\*\*Policy/Procedure Directive\*\***

Inspection and Enforcement 88-10

Subject : Quarterly Water Monitoring  
Effective: July 20, 1988  
Purpose: To establish policy for submitting and determining the completeness of the quarterly monitoring reports. This directive replaces D.A.M. 13, dated April 23, 1987.

The monitoring requirements for a specific coal mine permit are typed on the Coal Mining and Reclamation Permit form. Please review your permit to determine what sites, if any, are to be monitored and whether the sites are to be monitored for quality or quantity or for both.

Samples collected for quality monitoring are to be analyzed in accordance with the guidelines in 40 CFR, part 136. The samples are to be analyzed for pH, total acidity, total alkalinity, total iron, total manganese, total suspended solids, total hardness, total sulfate, and specific conductance.

Quantity monitoring for wells requires the reporting of the depth of the well and the static water level in the well. Quantity monitoring for springs and streams requires the reporting of the discharge/flow of the spring or stream.

The quality and quantity measurements are to be reported on the Quarterly Monitoring Report Sheet. The monitoring site identification number and the surface elevation of the monitoring site is to be reported for each site that is monitored.

Quarterly monitoring, if required, shall begin the calendar quarter the permit is effective except for those permits issued during the last month of the quarter. For those permits monitoring is to begin the next quarter. Monitoring shall cease the calendar quarter that the final bond is released. The calendar quarters are:

1st Quarter:	January 1 - March 31
2nd Quarter:	April 1 - June 30
3rd Quarter:	July 1 - September 30
4th Quarter:	October 1 - December 31

If monitoring is required, it shall be performed once a quarter, unless otherwise indicated. Monitoring may be done any day within the quarter. The Division will no longer accept responses of "owner not available", "no one home", "well not accessible", or other similar responses. It is the responsibility of the permittee to monitor the required sites, or if it is not possible to monitor the site, then to submit an Application to Revise a Permit (A.R.P.) to delete the monitoring site. Failure to provide the required information for all monitoring sites will result in the issuance of a notice of violation.

The quarterly water monitoring plan may be modified by submitting an A.R.P. The criteria for an A.R.P. are found in rule 1501: 13-4-06 (N). Modification of the water monitoring plan will not normally be considered a significant revision for the purpose of the public notice and hearing requirements. In addition, a revision to a water monitoring plan will only be accepted if the operator demonstrates, using the monitoring data for the ground water or surface water in question, that monitoring is no longer necessary to achieve the purposes of the monitoring plan, as set forth in rule 1501: 13-9-04 and rule 1501: 13-4-05 or rule 1501: 13-4-14 of the Ohio Administrative Code, or that it is not possible to monitor the site.

To make this demonstration for surface or ground water, the operator will need to submit an Application to Revise a Permit to the division explaining why the quarterly monitoring requirements should be modified. The Division permitting hydrologists will review the quarterly monitoring reports in the permit file and recommend approval or disapproval of the Application to Revise.

The original and three copies of the completed Quarterly Monitoring Report Sheet should be submitted to the appropriate Division district office no later than fourteen days after the end of the quarter.

  
Gordon L. Hufford

jt/GLH

cc: All regulatory personnel  
OSM