

Table 2

Calculating INHERENT moisture percentage in HIGH-rank coals ¹

Choose from 3 ways to collect and test ▼

First

Collect a core sample². Follow procedures in ASTM D5192-91.

Test the sample to estimate inherent moisture. Follow laboratory procedures in ASTM D1412-93.

Or second

Collect a channel sample. Follow procedures in ASTM D4596-93.

Test the sample to estimate inherent moisture. Follow laboratory procedures in ASTM D1412-93 or ASTM D3302-91.

Or third

Collect a sample of blended coal, as-shipped coal, tippie coal, commingled coal, or coal from slurry ponds. Follow procedures in ASTM D2234-89.

Test the sample to estimate inherent moisture. Follow laboratory procedures in ASTM D1412-93.

Choose from 2 ways to time the tests and convert the results for quarterly reporting ▼

First

Collect and test once each quarter. Report test results for that quarter on OSM-1. Test results need no converting; they are in quarterly units already.

Or second

Create a 24-month baseline and update as follows:

For reporting months 1-24 . . .

Collect and test one sample each month. Each quarter, calculate a weighted average percentage of inherent moisture:

- Multiply a month's inherent moisture percentage by tons produced or shipped. You now have the month's inherent moisture tonnage.
 - Add up 3 months of that inherent moisture tonnage.
 - Divide by tons produced or shipped in those 3 months.
- Report the quarter's weighted average percentage on OSM-1.

For all subsequent months . . .

Collect and test one sample for inherent moisture every 12 months. Calculate—and report in the following 4 quarters—one updated rolling average percentage:

- Add to the annual sample percentage the inherent moisture percentages for the preceding 23 tests.
- Divide by 24.

Report the weighted average percentage on OSM-1.

¹ See §870.19 for the incorporation by reference of the ASTM standards.

² Core sampling was approved by the ASTM effective January 1, 1992.