Division 2 Calibration Coefficient Policies for Coal Bed Methane (CBM) Wells

This document is provided as a guideline for evaluating variances related to FORM 3.1 Notice of Flow Meter Re-Verification, Installation or Replacement for CBM wells that have water production rates lower than **five** gallons per minute (gpm).

All variance requests will be evaluated on a case-by-case basis.

Division 2 Acceptable Variances for CBM wells with water production < 5 gpm for a minimum of three consecutive months.

Installed TFM Accuracy	CBM Calibration Coefficient	Div. 2 CBM Calibration Coefficient Policies
0.0 % TO ±5.0 %	0.95 to 1.050	No variance required.
±5.1% TO ±8%	0.920 to 0.949 OR 1.051 to 1.080	**Test will be valid for up to four years.** A variance request must be completed, signed by the owner/user and submitted with FORM 3.1.
±8.1% TO ±10%	0.900 to 0.919 OR 1.081 to 1.100	**Test will be valid for one year only.** A variance request must be completed, signed by the owner/user and submitted with FORM 3.1. No later than one year from the date of this Test the installed TFM must be repaired or replaced AND a new test conducted. That test must confirm an accuracy of within ±8%.
-10% TO +15%	0.900 to 1.150	**Test will be valid for one year only.** A variance request must be completed, signed by the owner/user and submitted with FORM 3.1. No later than one year from the date of this Test the installed TFM must be repaired or replaced AND a new test conducted. That test must confirm an accuracy of within ±8%.
Less than -10.0 % OR Greater than 15.0 %	**Not allowed**	Test will be **rejected** and the installed TFM must be repaired or replaced AND a new Test conducted.

Division 2 Acceptable Variances for CBM wells with water production <u>< 1 gpm</u> for a minimum of three consecutive months.

Installed TFM Accuracy	CBM Calibration Coefficient	Div. 2 CBM Calibration Coefficient Policies
0.0 % TO ±5.0 %	0.95 to 1.050	No variance required.
±5.1% TO ±8%	0.920 to 0.949 OR 1.051 to 1.080	**Test will be valid for up to four years.** A variance request must be completed, signed by the owner/user and submitted with FORM 3.1.
±8.1% TO ±10%	0.900 to 0.919 OR 1.081 to 1.100	**Test will be valid for one year only.** A variance request must be completed, signed by the owner/user and submitted with FORM 3.1. No later than one year from the date of this Test the installed TFM must be repaired or replaced AND a new test conducted. That test must confirm an accuracy of within ±8%.
-10% TO +20%	0.900 to 1.20	**Test will be valid for one year only.** A variance request must be completed, signed by the owner/user and submitted with FORM 3.1. No later than one year from the date of this Test the installed TFM must be re-tested to ensure the correction factor in place is still valid and within 20%. If so, the correction factor from the new test may be applied for another year unless the new test demonstrates the accuracy to be within +/- 8%.
-10.1 % TO - 20.0 %	0.900	**Test will be valid for one year only.** A variance request must be completed, signed by the owner/user and submitted with FORM 3.1. No later than one year from the date of this Test the installed TFM must be re-tested to ensure the meter is no more than -20%. If so, the 0.9 correction factor may be applied for another year unless the new test demonstrates the accuracy to be within +/- 8%.
Less than -20.0% OR Greater than 20.0 %	**Not allowed**	Test will be **rejected** and the installed TFM must be repaired or replaced AND a new Test conducted.