

MONTANA-DAKOTA UTILITIES CO./GREAT PLAINS NATURAL GAS CO.
GAS ODORIZATION TEST REPORT

TOWN: Pierre DATE: 1/8/15 TIME: 2:45
LOCATION: office
Instrument Make and Model #: Heath Serial #: 2000714009

NATURAL GAS – 0.500% GAS

(Check the phrase below which applies)

Witness Reports: ☐ Not Readily Detectable
☒ Readily Detectable
☐ Very Strong Odor

PROPANE – 0.250% GAS

(Check the phrase below which applies)

Witness Reports: ☐ Not Readily Detectable
☐ Readily Detectable
☐ Very Strong Odor

If report is "Not Readily Detectable" or "Very Strong Odor", the witness shall notify the Region Engineering Department.

Remarks: _____

Signed: Bruce Kuyper Approved: Aaron Felt
(Region Engineering Department)

Action taken by Region Engineering Department on any problem report: _____

MONTANA-DAKOTA UTILITIES CO./GREAT PLAINS NATURAL GAS CO.
GAS ODORIZATION TEST REPORT

TOWN: Pierre DATE: 2-5-2015 TIME: 11:20am
LOCATION: 1617 E Park
Instrument Make and Model #: Heath Serial #: 2000714009

NATURAL GAS – 0.500% GAS

(Check the phrase below which applies)

Witness Reports: ☐ Not Readily Detectable
☒ Readily Detectable
☐ Very Strong Odor

PROPANE – 0.250% GAS

(Check the phrase below which applies)

Witness Reports: ☐ Not Readily Detectable
☐ Readily Detectable
☐ Very Strong Odor

If report is "Not Readily Detectable" or "Very Strong Odor", the witness shall notify the Region Engineering Department.

Remarks: _____

Signed: 

Approved: 
(Region Engineering Department)

Action taken by Region Engineering Department on any problem report: _____

MONTANA-DAKOTA UTILITIES CO./GREAT PLAINS NATURAL GAS CO.
GAS ODORIZATION TEST REPORT

TOWN: Pierre DATE: 3/12/15 TIME: 3:36
LOCATION: S22 S Lincoln
Instrument Make and Model #: Heath Serial #: 2000714009

NATURAL GAS – 0.500% GAS

(Check the phrase below which applies)

Witness Reports: ☐ Not Readily Detectable
☒ Readily Detectable
☐ Very Strong Odor

PROPANE – 0.250% GAS

(Check the phrase below which applies)

Witness Reports: ☐ Not Readily Detectable
☐ Readily Detectable
☐ Very Strong Odor

If report is "Not Readily Detectable" or "Very Strong Odor", the witness shall notify the Region Engineering Department.

Remarks: _____

Signed: Brad Kruger Approved: Aaron Hill
(Region Engineering Department)

Action taken by Region Engineering Department on any problem report: _____

MONTANA-DAKOTA UTILITIES CO./GREAT PLAINS NATURAL GAS CO.
GAS ODORIZATION TEST REPORT

TOWN: Pierre DATE: 4/9/15 TIME: 3:30
LOCATION: 162 Skerrol's Ft Pierre
Instrument Make and Model #: Heath Serial #: 2000714009

NATURAL GAS – 0.500% GAS

(Check the phrase below which applies)

Witness Reports: ☐ Not Readily Detectable
☒ Readily Detectable
☐ Very Strong Odor

PROPANE – 0.250% GAS

(Check the phrase below which applies)

Witness Reports: ☐ Not Readily Detectable
☐ Readily Detectable
☐ Very Strong Odor

If report is "Not Readily Detectable" or "Very Strong Odor", the witness shall notify the Region Engineering Department.

Remarks: _____

Signed: Brack Higgins

Approved: Aaron Felder
(Region Engineering Department)

Action taken by Region Engineering Department on any problem report: _____

MONTANA-DAKOTA UTILITIES CO./GREAT PLAINS NATURAL GAS CO.
GAS ODORIZATION TEST REPORT

TOWN: Pierre DATE: 5/15/15 TIME: 3:29 PM
LOCATION: 1940 N. Airports
Instrument Make and Model #: Heath Serial #: 2000714009

NATURAL GAS – 0.500% GAS

(Check the phrase below which applies)

Witness Reports: ☐ Not Readily Detectable
☒ Readily Detectable
☐ Very Strong Odor

PROPANE – 0.250% GAS

(Check the phrase below which applies)

Witness Reports: ☐ Not Readily Detectable
☐ Readily Detectable
☐ Very Strong Odor

If report is "Not Readily Detectable" or "Very Strong Odor", the witness shall notify the Region Engineering Department.

Remarks: _____

Signed: Brad Kueper Approved: Aron Hill
(Region Engineering Department)

Action taken by Region Engineering Department on any problem report: _____

MONTANA-DAKOTA UTILITIES CO./GREAT PLAINS NATURAL GAS CO.
GAS ODORIZATION TEST REPORT

TOWN: Pierre DATE: 6-11-15 TIME: 1:30 pm

LOCATION: 2801 E Kay

Instrument Make and Model #: Heath Serial #: 2000714009

NATURAL GAS – 0.500% GAS

(Check the phrase below which applies)

Witness Reports: ☐ Not Readily Detectable
☒ Readily Detectable
☐ Very Strong Odor

PROPANE – 0.250% GAS

(Check the phrase below which applies)

Witness Reports: ☐ Not Readily Detectable
☐ Readily Detectable
☐ Very Strong Odor

If report is "Not Readily Detectable" or "Very Strong Odor", the witness shall notify the Region Engineering Department.

Remarks: _____

Signed: Joe Coder

Approved: Aaron Feltz
(Region Engineering Department)

Action taken by Region Engineering Department on any problem report: _____



NEW STYLE ODORATOR
CALIBRATION CERTIFICATE
1.00% Methane

Serial # 2000714009
Wo # 176885
Tech: S.BAZURTO
Date: 12/08/14

MASS FLOW SENSOR DC OUTPUT VOLTAGE (PIN J1-7): 0.80
PANEL ZERO KNOB ADJUSTMENT RANGE ON LCD: +/- -8/-7
RP4 ON PC BOARD SET WITH A REF %GAS READING OF: 1.02
RP3 ON PC BOARD SET FOR AN ODORATOR LCD READING OF: 1.00
BLOWER MOTOR DC OUTPUT VOLTAGE: 1.14
RP1 ON PC BOARD SET FOR 1/2 TURN CCW WITH NO "L" ON LCD - YES? X
WITH THE ODORATOR READING " 50 " THE REF % GAS READING IS: 0.41
WITH THE ODORATOR READING " 20 " THE REF % GAS READING IS: 0.18
Next Day: Zero 0 1.00 Span 1.02

% GAS CORRECTION CHART - 1.00% METHANE HPN 0715631 REV D

ODORATOR READING	ACTUAL % GAS	ODORATOR READING	ACTUAL % GAS
0.00%	0.00%	0.80%	0.75%
0.10%	0.08%	0.90%	0.87%
0.20%	0.17%	1.00%	1.00%
0.30%	0.25%	1.10%	1.10%
0.40%	0.33%	1.20%	1.33%
0.50%	0.40%	1.30%	1.56%
0.60%	0.50%	1.40%	1.81%
0.70%	0.62%	1.50%	2.05%

HPN #: 101993-0 REV A