MONTANA-DAKOTA
UTILITIES CO.
A Division of MDU Resources Group, Inc.

400 North Fourth Street
Bismarck, ND 58501
(701) 222-7900

July 16, 2010

RECEIVED
JUL 19 2010
PUBLIC SERVICE COMMISSION

Executive Secretary
North Dakota Public Service Commission
State Capitol Building
Bismarck, ND 58505-0480

Re: Gas Meter Test Results

Montana-Dakota Utilities Co. (Montana-Dakota), a Division of MDU Resources Group, Inc., herewith submits the results of its gas meter testing program for the period April 1, 2009 through March 31, 2010.

Montana-Dakota's meter testing program consists of the following three categories:

1. New Test - New meters purchased were tested and found to be satisfactory prior to release. 100% of new meters were tested at the factory and Montana-Dakota tested at least 5% of the new meters received during the testing period.

2. Periodic Test – Meters with ratings of 630 cubic feet per hour or greater are tested at a periodic interval of at least once in eight years. 347 meters were tested during this testing period with an average accuracy of 99.9% at an open test (100% of meter rating) and 100% accuracy at a check test (20% of meter rating).

3. Random Test - All other active meters, with ratings of 630 cubic feet per hour or less, are assigned to lots and are randomly computer selected for test each year.

All damaged or non-registering meters are incapable of measuring gas accurately due to damaged indexes, mechanical malfunctions, or break(s) in the meter body. These damaged meters are either retired or given a complete overhaul and re-tested before being placed back in service.

Calculations of all lots in the Random Sample Program are made in accordance with the program detailed in Department of Defense Bulletin dated June 11, 1957, entitled

1 PU-10-477 Filed: 7/19/2010 Pages: 4
2009 Gas meter test results

Montana-Dakota Utilities Co., a Division of MDU Resources Group, Inc.
Tamie Aberle

"Military Standard Sampling Procedure & Tables for Inspections by Variable for Percent Defective," as approved in Case No. I-5083.

The Random Test results are provided in Attachment A. The following meter groups experienced a first year failure with less than 10% of the meters registering less than two percent fast. Montana-Dakota will resample the following groups of meters in the 2010 – 2011 test period.

- Meter Lot S400 - Group 97-01
- Meter Lot S400A - Group 92-96

The following meter groups have been removed and retired from Montana-Dakota's meter population.

- Meter Lot 415 – Group 91-95
- Meter Lot ER02 – Group 71-75
- Meter Lot ER03 – Group 76-80
- Meter Lot ER03 – Group 81-85
- Meter Lot RX250 – Group 91-95
- Meter Lot RX250 – Group 96-00
- Meter Lot RX250 – Group 06-08

Please acknowledge receipt by stamping or initialing the duplicate copy of this letter attached hereto and returning the same in the enclosed self-addressed, stamped envelope.

Sincerely,

Tamie A. Aberle
Pricing & Tariff Manager

Attachment

MONTANA - DAKOTA UTILITIES CO.
NORTH DAKOTA
RANDOM SAMPLE TEST RESULTS
APRIL 1, 2009 - MARCH 31, 2010 TEST YEAR

METER LOT	TEST YEAR		SAMPLE SIZE		LOT SIZE		% DEFECTIVE		ALLOWABLE
415	96 - 00		15		174		16.86		25.61
	01 - 05		20		249		0.89		24.53
	06 - 08		40		2,083		7.15		22.86
AC - 250	85 - 89		3		7		0.00		40.47
	90 - 94		7		62		2.47		30.50
	95 - 99		35		1,986		3.52		22.91
	00 - 04		75		12,078		0.26		21.11
	05 - 08		75		13,691		0.10		21.11
AL - 425	91 - 95		6		26		13.22		33.99
	96 - 00		15		152		0.00		25.61
	01 - 05		25		403		1.75		23.97
	06 - 08		20		258		0.55		24.53
AS02	76 - 80		15		134		6.78		25.61
(AL-175,	81 - 85		4		17		0.00		36.90
AL-225,	86 - 90		30		670		9.83		23.58
AL-250)	91 - 95		40		1,533		6.82		22.86
	96 - 00		40		2,045		5.80		22.86
	01 - 05		35		1,181		3.86		22.91
	06 - 08		15		300		1.63		25.61
ER01	91 - 95		5		31		17.04		33.99
(175)	96 - 00		20		199		0.39		24.53
	01 - 05		20		253		0.25		24.53
	06 - 08		5		26		0.00		33.99
ER02	76 - 80		10		76		0.03		27.47
(250 & 310)	81 - 85	1/	26		393		28.39		23.97
	86 - 90		35		818		8.25		22.91
	91 - 95		50		5,206		8.84		22.00
	96 - 00		50		5,714		6.15		22.00
	01 - 05		40		2,173		0.08		22.86
	06 - 08		20		225		1.21		24.53
ER03	86 - 90		40		2,299		9.80		22.86
(200 & 275)	91 - 95		50		4,504		11.03		22.00
	96 - 00		75		8,155		12.05		21.11
	01 - 05		75		10,358		0.88		21.11
	06 - 08		40		3,099		0.04		22.86

MONTANA - DAKOTA UTILITIES CO.
NORTH DAKOTA
RANDOM SAMPLE TEST RESULTS
APRIL 1, 2009 - MARCH 31, 2010 TEST YEAR

METER LOT	TEST YEAR		SAMPLE SIZE		LOT SIZE		% DEFECTIVE		ALLOWABLE
NL - 250	93 - 97		20		293		7.93		24.53
	98 - 02		15		176		8.47		25.61
	03 - 07		25		417		2.90		23.97
	08		5		34		0.00		33.99
S250	87 - 91		25		313		0.01		23.97
	92 - 96		35		1,128		0.11		22.91
	97 - 01		30		794		0.01		23.58
	02 - 06		35		1,182		0.01		22.91
	07 - 08		15		120		0.00		25.61
SL250	92 - 96		20		222		0.02		24.53
	97 - 01		20		265		0.00		24.53
	02 - 06		30		637		0.11		23.58
	07 - 08		7		63		0.00		30.50
S 400	97 - 01		4		23		50.00	2/	36.90
	02 - 06		7		60		0.00		30.50
	07 - 08		4		18		0.00		36.90
S 400A	92 - 96		5		30		49.23	2/	33.99
	97 - 01		10		73		0.07		27.57
	02 - 06		15		150		20.69		25.61
	07 - 08		4		21		0.00		36.90

1/ As reported in Case No. PU-09-545, this meter group failed for the second time in the 2009 testing and meters are being retired.

2/ First year failure, less than ten percent of sample group over two percent fast, lots will be reevaluated in 2010 program.