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OMB NO: 2137-0522
EXPIRATION DATE: 01/31/2014



U.S Department of Transportation
Pipeline and Hazardous Materials Safety Administration

Form Type:

INITIAL

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(DOT use only)

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**ANNUAL REPORT FOR
CALENDAR YEAR 2011
GAS DISTRIBUTION SYSTEM**

A federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with a collection of information subject to the requirements of the Paperwork Reduction Act unless that collection of information displays a current valid OMB Control Number. The OMB Control Number for this information collection is 2137-0522. Public reporting for this collection of information is estimated to be approximately 16 hours per response, including the time for reviewing instructions, gathering the data needed, and completing and reviewing the collection of information. All responses to this collection of information are mandatory. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to: Information Collection Clearance Officer, PHMSA, Office of Pipeline Safety (PHP-30) 1200 New Jersey Avenue, SE, Washington, D.C. 20590.

PART A - OPERATOR INFORMATION

1. Name of Operator	SOUTHWEST GAS CORP
2. LOCATION OF OFFICE (WHERE ADDITIONAL INFORMATION MAY BE OBTAINED)	
2a. Street Address	5241 SPRING MOUNTAIN ROAD
2b. City and County	LAS VEGAS,CLARK
2c. State	NV
2d. Zip Code	89150-0002
3. OPERATOR'S 5 DIGIT IDENTIFICATION NUMBER	18536
4. HEADQUARTERS NAME & ADDRESS	
4a. Street Address	5241 SPRING MOUNTAIN ROAD
4b. City and County	LAS VEGAS,CLARK
4c. State	NV
4d. Zip Code	89150-0002
5. STATE IN WHICH SYSTEM OPERATES	CA

PART B - SYSTEM DESCRIPTION

1.GENERAL

	STEEL				PLASTIC	CAST/ WROUGHT IRON	DUCTILE IRON	COPPER	OTHER	TOTAL
	UNPROTECTED		CATHODICALLY PROTECTED							
	BARE	COATED	BARE	COATED						
MILES OF MAIN	0.000	1.000	0.000	596.055	2509.225	0.000	0.000	0.000	0.000	3106.280
NO. OF SERVICES	0.000	0.000	0.000	10236.000	162846.000	0.000	0.000	0.000	0.000	173082.000

2.MILES OF MAINS IN SYSTEM AT END OF YEAR

MATERIAL	UNKNOWN	2" OR LESS	OVER 2" THRU 4"	OVER 4" THRU 8"	OVER 8" THRU 12"	OVER 12"	TOTAL
STEEL	0.000	189.680	226.757	160.691	19.927	0.000	597.055
DUCTILE IRON	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COPPER	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CAST/WROUGHT IRON	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PLASTIC PVC	0.000	209.257	0.000	0.000	0.000	0.000	209.257
PLASTIC PE	0.000	1937.146	333.813	29.009	0.000	0.000	2299.968
PLASTIC ABS	0.000	0.000	0.000	0.000	0.000	0.000	0.000
OTHER PLASTIC	0.000	0.000	0.000	0.000	0.000	0.000	0.000
OTHER	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	0.000	2336.083	560.570	189.700	19.927	0.000	3106.280

3.NUMBER OF SERVICES IN SYSTEM AT END OF YEAR

AVERAGE SERVICE LENGTH: 75

MATERIAL	UNKNOWN	1" OR LESS	OVER 1" THRU 2"	OVER 2" THRU 4"	OVER 4" THRU 8"	OVER 8"	TOTAL
STEEL	0.000	10144.000	75.000	13.000	4.000	0.000	10236.000
DUCTILE IRON	0.000	0.000	0.000	0.000	0.000	0.000	0.000
COPPER	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CAST/WROUGHT IRON	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PLASTIC PVC	0.000	1383.000	0.000	0.000	0.000	0.000	1383.000
PLASTIC PE	0.000	160605.000	855.000	3.000	0.000	0.000	161463.000
PLASTIC ABS	0.000	0.000	0.000	0.000	0.000	0.000	0.000
OTHER PLASTIC	0.000	0.000	0.000	0.000	0.000	0.000	0.000
OTHER	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	0.000	172132.000	930.000	16.000	4.000	0.000	173082.000

4.MILES OF MAIN AND NUMBER OF SERVICES BY DECADE OF INSTALLATION

	UNKNOWN	PRE-1940	1940-1949	1950-1959	1960-1969	1970-1979	1980-1989	1990-1999	2000-2009	2010-2019	TOTAL
MILES OF MAIN	127.262	0.001	0.730	158.369	205.100	347.298	505.690	650.288	1011.623	99.919	3106.280
NUMBER OF SERVICES	9486.000	0.000	0.000	280.000	1205.000	12400.000	38344.000	38929.000	68513.000	3925.000	173082.000

PART C - TOTAL LEAKS AND HAZARDOUS LEAKS ELIMINATED/REPAIRED DURING THE YEAR

CAUSE OF LEAK	MAINS		SERVICES	
	TOTAL	HAZARDOUS	TOTAL	HAZARDOUS
CORROSION	5	2	8	2
NATURAL FORCES	1	0	6	1
EXCAVATION DAMAGE	14	14	192	192
OTHER OUTSIDE FORCE DAMAGE	0	0	2	2
MATERIAL OR WELDS	24	4	31	2
EQUIPMENT	4	0	16	2
INCORRECT OPERATIONS	14	0	25	12
OTHER	1	0	11	5

NUMBER OF KNOWN SYSTEM LEAKS AT END OF YEAR SCHEDULED FOR REPAIR : 0

PART D - EXCAVATION DAMAGE

NUMBER OF EXCAVATION DAMAGES: 212

NUMBER OF EXCAVATION TICKETS : 26152

PART E-EXCESS FLOW VALUE(EFV) DATA

NUMBER OF EFV'S INSTALLED THIS CALENDER YEAR ON SINGLE FAMILY RESIDENTIAL SERVICES: 3632

ESTIMATED NUMBER OF EFV'S IN SYSTEM AT THE END OF YEAR: 9056

PART F - LEAKS ON FEDERAL LAND

TOTAL NUMBER OF LEAKS ON FEDERAL LAND REPAIRED OR SCHEDULED TO REPAIR: 0

PART G-PERCENT OF UNACCOUNTED FOR GAS

UNACCOUNTED FOR GAS AS A PERCENT OF TOTAL INPUT FOR THE 12 MONTHS ENDING JUNE 30 OF THE REPORTING YEAR.

INPUT FOR YEAR ENDING 6/30: .68%

PART H - ADDITIONAL INFORMATION

PART I - PREPARER AND AUTHORIZED SIGNATURE

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