

2. **WAC 480-93-188(3)(d) Gas leak surveys**

(3) *Each gas pipeline company must conduct gas leak surveys according to the following minimum frequencies:*

(d) *Where the gas system has cast iron, wrought iron, copper, or noncathodically protected steel - at least twice annually, but not to exceed seven and one-half months between surveys;*

**Charge:**

Copper service lines are not being leak surveyed twice annually.

**Finding(s):**

PSE's annual report (PHMSA F 7100.1-1) indicates that PSE has 332 copper services in their distribution system. These services are located primarily in the King County area and areas where steam lines were prevalent. PSE was unable to provide any documentation indicating that these copper service lines are being leak surveyed twice annually in accordance with the rule.



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

ANNUAL REPORT FOR CALENDAR YEAR 2008  
GAS DISTRIBUTION SYSTEM

INITIAL REPORT   
SUPPLEMENTAL REPORT

PART A OPERATOR INFORMATION

DOT USE ONLY

1. NAME OF OPERATOR  
Puget Sound Energy

2. LOCATION OF OFFICE WHERE ADDITIONAL INFORMATION MAY BE OBTAINED  
PO Box 90868  
Number and Street  
Bellevue, King  
City and County  
WA 98009-0868  
State and Zip Code

3. OPERATOR'S 5 DIGIT IDENTIFICATION NUMBER  
/ 2 / 2 / 1 / 8 / 9 /

4. HEADQUARTERS NAME & ADDRESS, IF DIFFERENT  
10885 NE 4<sup>th</sup> ST  
Number and Street  
Bellevue, King  
City and County  
WA 98004  
State and Zip Code

RECEIVED  
MAR 12 2009  
WHD  
Pipeline Safety Division

5. STATE IN WHICH SYSTEM OPERATES: / WA / (provide a separate report for each state in which system operates)

PART B SYSTEM DESCRIPTION

Report miles of main and number of services in system at end of year.

1. GENERAL

	STEEL				PLASTIC	CAST/WROUGHT IRON	DUCTILE IRON	COPPER	OTHER	OTHER	TOTAL
	UNPROTECTED		CATHODICALLY PROTECTED								
	BARE	COATED	BARE	COATED							
MILES OF MAIN	58	20	20	3,862	7,887	49	0	0	0	0	11,896
NO. OF SERVICES	20,445	838	2,360	159,596	622,065	0	0	332	0	0	805,636

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	2,653	602	552	92	61	3,960
DUCTILE IRON	0	0	0	0	0	0	0
COPPER	0	0	0	0	0	0	0
CAST WROUGHT IRON	0	2	40	7	0	0	49
PLASTIC	0	0	0	0	0	0	0
1. PVC	0	0	0	0	0	0	0
2. PE	0	6,432	373	427	0	0	7,887
3. ABS	0	0	0	0	0	0	0
OTHER	0	0	0	0	0	0	0
OTHER	0	0	0	0	0	0	0
SYSTEM TOTALS	0	9,137	1,619	986	92	61	11,896

3. NUMBER OF SERVICES IN SYSTEM AT END OF YEAR

AVERAGE SERVICE LENGTH 85 FEET

MATERIAL	UNKNOWN	1" OR LESS	OVER 1" THRU 2"	OVER 2" THRU 4"	OVER 4" THRU 8"	OVER 8"	TOTAL
STEEL	0	138,516	43,763	940	18	2	183,239
DUCTILE IRON	0	0	0	0	0	0	0
COPPER	0	332	0	0	0	0	332
CAST WROUGHT IRON	0	0	0	0	0	0	0
PLASTIC	0	0	0	0	0	0	0
1. PVC	0	0	0	0	0	0	0
2. PE	0	58,893	62,873	217	22	0	622,065
3. ABS	0	0	0	0	0	0	0
OTHER	0	0	0	0	0	0	0
OTHER	0	0	0	0	0	0	0
SYSTEM TOTALS	0	697,741	106,636	1,217	40	2	805,636

Reproduction of this form is permitted.

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

	UN- KNOWN	PRE- 1940	1940- 1949	1950- 1959	1960- 1969	1970- 1979	1980- 1989	1990- 1999	2000- 2009	TOTAL
MILES OF MAIN	115	0	0	461	1,640	1,560	1,773	3,780	2,567	11,896
NUMBER OF SERVICES	60,456	0	0	13,963	94,805	74,342	117,871	248,082	196,117	805,636

**PART C. TOTAL LEAKS ELIMINATED/REPAIRED DURING YEAR**

CAUSE OF LEAK	PART C. TOTAL LEAKS ELIMINATED/REPAIRED DURING YEAR	
	Mains	Services
CORROSION	79	106
NATURAL FORCES	2	5
EXCAVATION	202	1154
OTHER OUTSIDE FORCE DAMAGE	6	21
MATERIAL OR WELDS	96	48
EQUIPMENT	197	201
OPERATIONS	2	3
OTHER	143	112

NUMBER OF KNOWN SYSTEM LEAKS AT END OF YEAR SCHEDULED FOR REPAIR 285

**PART D. TOTAL NUMBER OF LEAKS ON FEDERAL LAND REPAIRED OR SCHEDULED FOR REPAIR**

17

**PART E. 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.

[(Purchased gas + produced gas) minus (customer use + company use + appropriate adjustments)] divided by (purchased gas + produced gas) equals percent unaccounted for.

Input for year ending 6/30 0.8 %.

**PART F. ADDITIONAL INFORMATION**

PART B-SECTION 4: MILES OF MAIN AND NUMBER OF SERVICES IN THE 1950 & 1960 DECADES ARE ESTIMATES. MILES OF MAIN IN THE "UNKNOWN" COLUMN ARE ESTIMATES AND REPRESENT MAINS INSTALLED PRIOR TO 1954 THAT CURRENT RECORDS DO NOT DIFFERENTIATE BY DECADE OF INSTALLATION. NUMBER OF SERVICES IN THE "UNKNOWN" COLUMN ARE ESTIMATES AND INCLUDE SERVICES INSTALLED PRIOR TO 1954 AND OTHER NON-RECONCILED SERVICES. MILES OF MAIN WERE ADJUSTED AFTER A REVIEW OF GAS PLANT RECORDS AND CONFIRMATION THAT CAST IRON MAIN HAS BEEN RETIRED FROM SERVICE.

NUMBER OF BELOW GROUND ACTIVE LEAKS IN THE SYSTEM AT END OF YEAR: 2,840

**PART G. PREPARER AND AUTHORIZED SIGNATURE**

Darryl Hong (425-462-3911)  
(type or print) Preparer's Name and Title Area Code and Telephone Number

Darryl.hong@pse.com (425-462-3770)  
Preparer's email address Area Code and Facsimile Number

Helge Ferchert, Manager, Gas Compliance and Regulatory Audits (425-462-3967)  
Name and Title of Person Signing Area Code and Telephone Number

  
Authorized Signature

**WAC 480-93-188(3)(d) Gas Leak Surveys**

*(3) Each gas pipeline company must conduct gas leak surveys according to the following minimum frequencies:*

*(d) Where the gas system has cast iron, wrought iron, copper, or noncathodically protected steel - at least twice annually, but not to exceed seven and one-half months between surveys; and*