

Rukke, Scott (UTC)

From: Hong, Darryl F [darryl.hong@pse.com]
Sent: Thursday, April 30, 2009 4:21 PM
To: Hong, Darryl F; Rukke, Scott (UTC)
Subject: RE: Instrument calibration

Scott,

I just checked with our Repair and calibration department and there are no Gas scopes that have written manufactures recommendations that we follow.

We strictly go by our GOS 2450.1600 sec. 3, which reads that same as WAC 480-93-188 (2).

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From: Hong, Darryl F
Sent: Thursday, April 30, 2009 1:53 PM
To: 'Rukke, Scott (UTC)'
Subject: RE: Instrument calibration

Scott,

I think I was a little quick to answer your question. Our standard does say we will follow the Instrument manufacturer's recommendation for maintaining, testing for accuracy, calibrating, and operating each instrument. 2450.1600 sec.3. Sec 3.1.4 For Gas detection instruments, if there is no written manufacturer's recommendations or schedules, instruments shall be tested at least monthly but not to exceed 45 days.

I will try to get you any instruments that have the manufacturer's recommendations.

Thanks

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From: Rukke, Scott (UTC) [mailto:SRukke@utc.wa.gov]
Sent: Thursday, April 30, 2009 1:08 PM

To: Hong, Darryl F
Subject: RE: Instrument calibration

OK, I need the manufacturers recommendations for the gas scopes and gastrac. Maybe you can scan and send it to me?

-----Original Message-----

From: Hong, Darryl F [<mailto:darryl.hong@pse.com>]
Sent: Thu 4/30/2009 1:07 PM
To: Rukke, Scott (UTC)
Subject: RE: Instrument calibration

We calibrate according to the manufactures recommendations.

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From: Rukke, Scott (UTC) [<mailto:SRukke@utc.wa.gov>]
Sent: Thursday, April 30, 2009 12:41 PM
To: Hong, Darryl F
Subject: RE: Instrument calibration

Darryl, does PSE calibrate their gas scopes according to the manufacturers recommendations or according to the WAC 480-93-188(2)?

(2) Each gas pipeline company must maintain, test for accuracy, calibrate and operate gas detection instruments in accordance with the manufacturer's recommendations. If there are no written manufacturer's recommendations or schedules, then the gas pipeline company must test such instruments for accuracy at least monthly, but not to exceed forty-five days between testing, and at least twelve times per year. The gas pipeline company must recalibrate or remove from service any such instrument that does not meet applicable tolerances. Records of accuracy checks, calibration and other maintenance performed must be maintained for five years.

I don't have your manual with me and it looks like you are using the WAC requirement outlined above?
Thanks, Scott

-----Original Message-----

From: Hong, Darryl F [<mailto:darryl.hong@pse.com>]
Sent: Thu 4/30/2009 9:28 AM
To: Rukke, Scott (UTC)
Subject: RE: Steel inserted in cast iron

Scott - I was wondering if you had the list of leak ticket numbers that I made copies for you during the Georgetown Leak ticket review.

Thanks

Darryl Hong
Compliance Program Coordinator
Gas Compliance & Regulatory Audits

Table 5-1: Gas Detection Instrument Accuracy Check Schedule

Instrument	Frequency ¹		Test Gas / Flow Rate	Tolerance
	Due ²	Not to Exceed		
Gas Sentry	Monthly	45 days	2.0% CH4 in air / 0.5 lpm 100% CH4 / 0.5 lpm 100 ppm CO / 0.5 lpm	± 0.1% ± 5% ± 5 ppm
GasTrac ³	Monthly	45 days	2.0% CH4 in air / static 1000 ppm CH4 / static	Lights full green and audible alarm sounds One or two green lights on with no audible alarm
General Monitors, Model-610 – JP	Quarterly	4 months	25% LEL, at minimal flow across sensor, where LEL is defined as 5% gas-in-air for this instrument.	± 1%
ISC ITX 4-Gas Monitor ⁴	Monthly	45 days	25% LEL pentane/0.5 lpm 100 ppm CO / 0.5 lpm 20.9% O ₂ in ambient air / 0.5 lpm 25 ppm H ₂ S / 0.5 lpm	± 1% ± 3 ppm ± 0.5% ± 1 ppm
Monoxor II	6 times per year	2.5 months	100 ppm CO near static	± 5 ppm
ISC ATX 620 Multi-Gas Monitor ⁴	Monthly	45 days	25% LEL pentane/0.5 lpm 100 ppm CO / 0.5 lpm 20.9% O ₂ in ambient air / 0.5 lpm	± 1% ± 3 ppm ± 0.5%
MSA 60 – natural gas	Monthly	45 days	2.0% CH4 in air / 0.8 to 1.4 lpm 100% CH4 / 0.8 to 1.4 lpm	± 0.1% ± 5%
MSA 60 – propane	Monthly	45 days	0.6% propane in air / 0.8 to 1.4 lpm 100% propane / 0.8 to 1.4 lpm	± 0.1% ± 5%
GMI Gascoseeker Acclaim	Monthly	45 days	2.0% CH4 in air / 0.8 to 1.4 lpm 100% CH4 / 0.8 to 1.4 lpm	± 0.1% ± 2%
GMI Gasurveyor 3-500	Monthly	45 days	2.0% CH4 in air / 0.8 to 1.4 lpm 100% CH4 / 0.8 to 1.4 lpm	± 0.1% ± 5%
GMI Gasurveyor 6	Monthly	45 days	2.0% CH4 in air / 0.8 to 1.4 lpm 100% CH4 / 0.8 to 1.4 lpm	± 0.1% ± 5%
GMI GT Series	Monthly	45 days	2.0% CH4 in air / 8 psig inlet pressure 100% CH4 / 8 psig inlet pressure	± 0.1% ± 5%
Heath Detecto-Pak	Weekly	8 days	100 ppm methane in air/static	± 10%
Optical Methane Detector OMD ⁵	Daily, prior to use	N/A	1–100 ppm	± 10%

¹ Refer to 2425.1075 for definitions of compliance timeframes.

² Accuracy check sticker due dates shall be based upon these intervals.

³ The GasTrac is used for leak detection only, and is not approved for leak classification.

⁴ These instruments are used for confined space entry and are not to be used to classify leaks.

⁵ This is a vehicle-mounted unit. Calibration shall be checked each day prior to use.

Continued on next page

11413335	Gascope 10002	10/12/2007	1160999	9/25/2007
11413335	Gascope 10002	11/9/2007	1163778	11/13/2007
11413335	Gascope 10002	12/28/2007	1167455	11/27/2007
11413335	Gascope 10002	1/11/2008	1168811	1/9/2008

11413335	Gascope 10002	2/23/2008	1177109	12/28/2007
11413335	Gascope 10002	2/23/2008	1177617	2/26/2008

11413335	Gascope 10002	5/9/2008	1188803	4/29/2008
11413335	Gascope 10002	6/13/2008	1192997	6/5/2008

11413335	Gascope 10002	10/10/2008	1205884	9/30/2008
11413335	Gascope 10002	11/14/2008	1208741	11/3/2008

11412530	Gascope 1016	8/19/2007	1155002	7/31/2007
11412530	Gascope 1016	12/14/2007	1166509	11/27/2007
11412530	Gascope 1016	2/9/2008	1176282	1/23/2008
11420310	Gascope 1021	2/4/2008	1177324	1/28/2008
11420310	Gascope 1021	3/13/2008	1177511	3/19/2008
11420310	Gascope 1021	5/3/2008	1188526	5/8/2008

11412545	Gascope 1039	1/11/2008	1168790	12/26/2007
11412545	Gascope 1039	2/9/2008	1176248	2/6/2008

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11412545	Gascope 1039	5/9/2008	1188781	5/27/2008

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11412545	Gascope 1039	9/12/2008	1202966	9/4/2008

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11412545	Gascope 1039	12/12/2008	1211480	12/1/2008
11412545	Gascope 1039	1/15/2009	1214518	12/30/2008
11412481	Gascope 1041	3/9/2006	1095654	3/7/2006

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11412481	Gascope 1041	12/12/2008	1211337	12/1/2008

11413008	Gascope 1096	8/19/2007	1154989	7/31/2007
11413008	Gascope 1096	9/14/2007	1157809	9/7/2007

11413008	Gascope 1096	10/22/2007	1161670	10/9/2007
11413008	Gascope 1096	11/23/2007	1165239	12/6/2007

11413115	Gascope 1508	2/18/2007	1134295	2/1/2007
11413115	Gascope 1508	3/18/2007	1137612	4/5/2007
11413115	Gascope 1508	5/20/2007	1145116	5/3/2007
11413115	Gascope 1508	6/17/2007	1148808	7/5/2007

11413115	Gascope 1508	10/22/2007	1160994	9/25/2007
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11413019	Gascope 1718	6/13/2008	1192989	6/3/2008
11413019	Gascope 1718	7/18/2008	1196870	6/24/2008
11413019	Gascope 1718	8/8/2008	1199597	8/7/2008

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11412571	Gascope 1746	3/18/2007	1137597	4/5/2007

11412571	Gascope 1746	11/9/2007	1163756	10/30/2007
11412571	Gascope 1746	12/14/2007	1166498	12/6/2007

11413142	Gascope 2105	2/18/2007	1134298	2/1/2007
11413142	Gascope 2105	3/18/2007	1137615	4/5/2007

11413077	Gascope 2285	6/17/2007	1148814	6/8/2007
11413077	Gascope 2285	11/9/2007	1163786	10/9/2007

11413077	Gascope 2285	11/23/2007	1165268	11/27/2007
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11413078	Gascope 2308	3/13/2008	1177519	3/10/2008

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11412753	Gascope 2326	1/3/2008	1168317	1/2/2008

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11413106	Gascope 3953	3/8/2008	1180810	3/6/2008

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5058

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11412480	Gascope 5058	1/9/2009	1214264	1/5/2009
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11412945	Gascope 6089	12/12/2008	1211345	12/1/2008

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11412845	Gascope 6229	3/13/2008	1177513	3/10/2008

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11413216	Gascope 639	6/15/2007	1149249	6/20/2007
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11413216	Gascope 639	3/13/2008	1180965	3/10/2008

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11412408	Gastrac E30691	3/18/2007	1137540	4/5/2007

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11412408	Gastrac E30691	12/18/2008	1212091	11/25/2008
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11412468	Gastrac E30694	11/23/2007	1165172	11/27/2007
11412468	Gastrac E30694	1/11/2008	1168755	1/9/2008
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11412468	Gastrac E30694	7/18/2008	1196844	6/24/2008
11412468	Gastrac E30694	8/8/2008	1199505	8/7/2008
11413257	Gastrac E30698	2/4/2008	1177059	1/28/2008
11413257	Gastrac E30698	3/13/2008	1177493	3/19/2008
11413257	Gastrac E30698	5/3/2008	1188483	5/8/2008
11413313	Gastrac J44664	8/19/2007	1154207	7/31/2007
11413313	Gastrac J44664	9/14/2007	1157761	9/7/2007
11413313	Gastrac J44664	11/9/2007	1163722	10/9/2007
11413313	Gastrac J44664	11/23/2007	1165207	12/6/2007
11413320	Gastrac J44681	12/17/2006	1123348	12/28/2006
11413320	Gastrac J44681	2/11/2007	1132853	2/13/2007
11413320	Gastrac J44681	3/30/2007	1138045	4/5/2007
11413320	Gastrac J44681	9/1/2007	1155699	8/14/2007
11413320	Gastrac J44681	9/28/2007	1158701	10/18/2007
11413320	Gastrac J44681	12/24/2007	1167114	12/11/2007
11413320	Gastrac J44681	4/12/2008	1214905	4/12/2008
11413320	Gastrac J44681	4/12/2008	1214905	4/12/2008
11413320	Gastrac J44681	12/8/2008	1215325	12/1/2008
11413353	Gastrac j44873	2/3/2007	1128942	2/21/2007
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11413353	Gastrac j44873	8/8/2008	1199553	7/29/2008
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11413514	Gastrac J45623	6/10/2007	1148218	5/24/2007
11413514	Gastrac J45623	7/8/2007	1151150	7/6/2007

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11413514	Gastrac J45623	11/9/2007	1163728	11/1/2007

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11413514	Gastrac J45623	11/14/2008	1208689	11/3/2008
11413514	Gastrac J45623	12/18/2008	1212098	11/25/2008
11413514	Gastrac J45623	1/9/2009	1214251	12/30/2008
11413417	Gastrac j45757	2/4/2008	1177282	1/28/2008
11413417	Gastrac j45757	3/13/2008	1177494	3/14/2008
11413417	Gastrac j45757	4/28/2008	1185876	5/2/2008

11413417	Gastrac j45757	10/10/2008	1205839	9/30/2008
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11413619	Gastrac J49853	2/18/2007	1134237	2/7/2007
11413619	Gastrac J49853	3/24/2007	1137882	4/5/2007

11413619	Gastrac J49853	8/20/2007	1155035	7/31/2007
11413619	Gastrac J49853	9/14/2007	1157768	9/7/2007

11413619	Gastrac J49853	2/9/2008	1176231	1/23/2008
11413619	Gastrac J49853	3/8/2008	1180776	3/7/2008

11413619	Gastrac J49853	5/9/2008	1188754	4/30/2008
11413619	Gastrac J49853	6/14/2008	1193028	6/11/2008

11413619	Gastrac J49853	9/12/2008	1202940	8/26/2008
11413619	Gastrac J49853	10/10/2008	1205844	10/6/2008

11413619	Gastrac J49853	11/20/2008	1209300	10/28/2008
11413619	Gastrac J49853	12/12/2008	1211318	12/3/2008

11413655	Gastrac J50114	11/14/2008	1208692	10/28/2008
11413655	Gastrac J50114	12/12/2008	1211319	12/1/2008
11413774	Gastrac J51121	8/20/2007	1155038	7/31/2007
11413774	Gastrac J51121	9/14/2007	1157772	9/7/2007
11413774	Gastrac J51121	12/14/2007	1166487	11/27/2007
11413774	Gastrac J51121	1/11/2008	1168771	1/9/2008
11413774	Gastrac J51121	7/12/2008	1196446	6/24/2008
11413774	Gastrac J51121	8/8/2008	1199564	8/7/2008
11413774	Gastrac J51121	9/21/2008	1203504	8/26/2008
11413774	Gastrac J51121	10/10/2008	1205847	10/2/2008
11413774	Gastrac J51121	12/12/2008	1211322	11/25/2008
11413774	Gastrac J51121	1/9/2009	1214253	1/7/2009
11413778	Gastrac J51124	8/19/2007	1154970	7/31/2007
11413778	Gastrac J51124	9/14/2007	1157773	9/7/2007
11413778	Gastrac J51124	10/22/2007	1161656	10/30/2007
11413778	Gastrac J51124	12/14/2007	1166488	12/6/2007
11413800	Gastrac J51134	2/4/2008	1177310	1/28/2008
11413800	Gastrac J51134	3/17/2008	1184694	3/10/2008
11413797	Gastrac j51135	4/15/2007	1141092	4/5/2007
11413797	Gastrac j51135	5/20/2007	1145070	6/8/2007
11413797	Gastrac j51135	1/11/2008	1168772	12/26/2007
11413797	Gastrac j51135	2/9/2008	1176236	2/6/2008
11413797	Gastrac j51135	8/8/2008	1199565	7/29/2008
11413797	Gastrac j51135	9/12/2008	1202945	9/4/2008
11413797	Gastrac j51135	10/19/2008	1206801	9/30/2008
11413797	Gastrac j51135	11/14/2008	1208695	11/5/2008
11448330	Gastrac J53298	4/12/2007	1144363	4/5/2007
11448330	Gastrac J53298	7/12/2007	1154180	7/9/2007
11448330	Gastrac J53298	8/23/2007	1154233	7/31/2007
11448330	Gastrac J53298	8/30/2007	1157789	9/13/2007
11448330	Gastrac J53298	11/17/2007	1164778	10/30/2007
11448330	Gastrac J53298	12/14/2007	1166494	12/6/2007
11448330	Gastrac J53298	4/11/2008	1184751	3/25/2008
11448330	Gastrac J53298	5/9/2008	1188775	5/5/2008

11448330	Gastrac J53298	11/14/2008	1208711	10/28/2008
11448330	Gastrac J53298	12/12/2008	1211334	12/1/2008
11423712	Gastrac J53300	8/20/2007	1155046	7/31/2007
11423712	Gastrac J53300	9/14/2007	1157786	9/7/2007
11423712	Gastrac J53300	4/14/2008	1184892	3/25/2008
11423712	Gastrac J53300	5/9/2008	1188773	5/19/2008
11423710	Gastrac J53307	2/9/2008	1176243	12/28/2007
11423710	Gastrac J53307	2/11/2008	1177597	2/26/2008
11448328	Gastrac J53309	4/12/2007	1144360	4/5/2007
11448328	Gastrac J53309	7/12/2007	1154017	7/9/2007
11448328	Gastrac J53309	8/23/2007	1154231	7/31/2007
11448328	Gastrac J53309	8/30/2007	1157787	9/13/2007
11448328	Gastrac J53309	6/13/2008	1192969	5/27/2008
11448328	Gastrac J53309	7/11/2008	1196346	7/3/2008
11448328	Gastrac J53309	11/14/2008	1208709	10/28/2008
11448328	Gastrac J53309	12/12/2008	1211333	12/1/2008
11423706	Gastrac J53315	11/23/2007	1165223	11/27/2007
11423706	Gastrac J53315	1/11/2008	1168780	1/3/2008
11423706	Gastrac J53315	11/14/2008	1208704	10/28/2008
11423706	Gastrac J53315	12/12/2008	1211327	12/1/2008
11413823	Gastrac j53316	11/23/2007	1165219	11/27/2007
11413823	Gastrac j53316	1/11/2008	1168774	1/23/2008
11413823	Gastrac j53316	5/9/2008	1188764	4/29/2008
11413823	Gastrac j53316	6/13/2008	1192956	6/5/2008
11413823	Gastrac j53316	10/10/2008	1205850	9/30/2008
11413823	Gastrac j53316	11/14/2008	1208698	11/12/2008
11412973	Gastrac M02605	2/4/2008	1177306	1/28/2008
11412973	Gastrac M02605	3/13/2008	1177499	3/31/2008
11412973	Gastrac M02605	10/2/2008	1204040	9/24/2008
11412973	Gastrac M02605	11/8/2008	1208501	11/5/2008
11412807	Gastrac M02607	1/3/2009	1213878	12/23/2008
11412807	Gastrac M02607	2/6/2009	1221689	2/5/2009

11412890	Gastrac M04383	12/17/2006	1123337	1/24/2007
11412890	Gastrac M04383	2/23/2007	1137137	3/8/2007
11412890	Gastrac M04383	3/28/2007	1141409	3/21/2007
11412890	Gastrac M04383	5/5/2007	1141471	6/8/2007

11412890	Gastrac M04383	8/26/2007	1155113	7/3/2007
11412890	Gastrac M04383	8/26/2007	1157418	9/19/2007

11412890	Gastrac M04383	11/30/2007	1164943	11/27/2007
11412890	Gastrac M04383	1/11/2008	1168759	1/3/2008

11412586	Gastrac M04390	6/10/2007	1148187	5/24/2007
11412586	Gastrac M04390	2/4/2008	1177305	1/28/2008
11412586	Gastrac M04390	3/13/2008	1180988	3/14/2008

11412586	Gastrac M04390	6/13/2008	1214875	5/29/2008
11412586	Gastrac M04390	12/8/2008	1215326	12/1/2008

11412455	Gastrac M04790	2/4/2008	1177255	1/28/2008
11412455	Gastrac M04790	3/13/2008	1177495	3/10/2008

11420395	Gastrac M07380	11/9/2007	1161787	10/9/2007
11420395	Gastrac M07380	11/23/2007	1165222	12/6/2007

11420395	Gastrac M07380	7/11/2008	1196341	6/24/2008
11420395	Gastrac M07380	8/8/2008	1199573	8/7/2008

11420395	Gastrac M07380	11/14/2008	1208702	10/28/2008
11420395	Gastrac M07380	12/12/2008	1211326	12/1/2008

11412893	Gastrac M09516	12/24/2006	1123862	12/7/2006
11412893	Gastrac M09516	1/21/2007	1126047	2/5/2007

11412893	Gastrac M09516	6/13/2008	1192936	5/27/2008
11412893	Gastrac M09516	7/11/2008	1196315	7/3/2008

11412893	Gastrac M09516	10/10/2008	1205833	9/30/2008
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11412893	Gastrac M09516	11/14/2008	1208677	11/12/2008
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11412994	Gastrac M09577	10/12/2007	1160919	9/25/2007
11412994	Gastrac M09577	11/9/2007	1163718	11/13/2007

11412994	Gastrac M09577	5/9/2008	1188740	4/29/2008
11412994	Gastrac M09577	6/13/2008	1192939	6/5/2008

11412994	Gastrac M09577	10/10/2008	1205835	9/30/2008
11412994	Gastrac M09577	11/14/2008	1208679	11/3/2008

Potlaco 2007 Gas Scope calibration records

8060	1/17/07	2/20/07	3/9/07	4/24/07	5/26/07	6/9/07	7/26/07	8/24/07	9/6/07	10/12/07	11/19/07	12/27/07
9977	1/9/07	2/20/07	In for Repair 3/28/07		Ret 6/20/07	6/22/07	7/20/07	8/24/07	9/26/07	10/12/07	11/20/07	12/13/07
9988	1/17/07	2/20/07	3/19/07	4/6/07	5/23/07	6/26/07	7/5/07	8/23/07	9/26/07	10/24/07	STOLEN	
9993	1/17/07	2/20/07	3/16/07	4/30/07	In for Repair 5/21/07		Ret 8/22/07	8/24/07	9/24/07	10/30/07	11/6/07	12/14/07
11377	1/17/07	2/20/07	3/19/07	4/6/07	5/9/07	6/9 & 6/22	7/20/07	8/24/07	9/14 & 9/26	10/26/07	11/26/07	12/6/07
14347	New Units in service		3/26/07	4/30/07	5/26/07	6/11/07	7/6/07	8/24/07	9/14 & 9/24	10/24/07	11/26/07	12/27/07
14350	Date 3/26/07		3/26/07	4/30/07	5/26/07	6/9/07	7/24/07	8/24/07	9/6/07	10/12/07	11/19 & 11/26	12/21/07
14385	1/26/07	2/8/07	3/19/07	4/30/07	5/9&8/26	6/25/07	7/20/07	8/6/07	9/10 & 9/24	10/30/07	In Repair 11/19/7	
14368	1/26/07	2/8/07	3/19/07	4/30/07	5/9&8/26	6/22/07	7/20/07	8/3/07	9/6 & 9/24	10/24/07	11/26/07	12/27/07
14464	New Units in service		3/26/07	4/30/07	5/26/07	6/11/07	7/6/07	8/24/07	9/14 & 9/26	10/26/07	11/26/07	12/6/07
14467	Date 3/26/07		3/26/07	4/30/07	5/26/07	6/11/07	7/6/07	8/24/07	9/14 & 9/26	10/24/07	11/26/07	12/6/07

Potelco 2008 Gas Scope calibration records

Equipment	Serial No	Location	Issue Date	Calibrated Date	Test Interval	Next Test	Notes	Retired	Date	Out Of Service
Gas Scope	1013	SUMNER		14-Jan-08	30	13-Feb-08		FALSE		FALSE
Gas Scope	1013	OLYMPIA		29-Jan-08	30	28-Feb-08		FALSE		FALSE
Gas Scope	1013	SUMNER		15-Feb-08	30	16-Mar-08		FALSE		FALSE
Gas Scope	1013	KENT		04-Mar-08	30	03-Apr-08		FALSE		FALSE
Gas Scope	1013	SUMNER		07-Apr-08	30	07-May-08		FALSE		FALSE
Gas Scope	1013	PIPELINE		05-May-08	30	04-Jun-08		FALSE		FALSE
Gas Scope	1013	PUYALLUP		03-Jun-08	30	03-Jul-08		FALSE		FALSE
Gas Scope	1013	PUYALLUP		07-Jul-08	30	06-Aug-08		FALSE		FALSE
Gas Scope	1013	PUYALLUP		06-Aug-08	30	05-Sep-08		FALSE		FALSE
Gas Scope	1013	PUYALLUP		18-Aug-08	30	17-Sep-08		FALSE		FALSE
Gas Scope	1013	PUYALLUP	17-Sep-08	17-Sep-08	30	17-Oct-08		FALSE		FALSE
Gas Scope	1013	PUYALLUP	14-Oct-08	14-Oct-08	30	13-Nov-08		FALSE		FALSE
Gas Scope	1013	PUYALLUP	11-Nov-08	11-Nov-08	30	11-Dec-08		FALSE		FALSE
Gas Scope	1013	PUYALLUP	10-Dec-08	10-Dec-08	30	09-Jan-09		FALSE		FALSE
Gas Scope	1018	SUMNER		15-Jan-08	30	14-Feb-08		FALSE	09-Jun-08	TRUE
Gas Scope	1018	KENT		04-Feb-08	30	05-Mar-08		FALSE	09-Jun-08	TRUE
Gas Scope	1018	KENT		11-Mar-08	30	10-Apr-08	Frank N - Out On Injury did not get his scope back until this date.	FALSE	09-Jun-08	TRUE
Gas Scope	1018	SUMNER		11-Apr-08	30	11-May-08		FALSE	09-Jun-08	TRUE
Gas Scope	1018	PIPELINE		05-May-08	30	04-Jun-08		FALSE	09-Jun-08	TRUE
Gas Scope	1018	SUMNER		09-Jun-08	30	09-Jul-08	Work slowed down - put unit into temporary out of service status	FALSE	09-Jun-08	TRUE
Gas Scope	1023	SUMNER		15-Jan-08	30	14-Feb-08		FALSE		FALSE
Gas Scope	1023	PUYALLUP		05-Feb-08	30	06-Mar-08		FALSE		FALSE
Gas Scope	1023	PIPELINE		10-Mar-08	30	09-Apr-08		FALSE		FALSE
Gas Scope	1023	SUMNER		07-Apr-08	30	07-May-08		FALSE		FALSE
Gas Scope	1023	SUMNER		07-May-08	30	06-Jun-08		FALSE		FALSE
Gas Scope	1023	REDMOND		09-Jun-08	30	09-Jul-08		FALSE		FALSE
Gas Scope	1023	REDMOND		09-Jul-08	30	08-Aug-08		FALSE		FALSE
Gas Scope	1023	REDMOND		06-Aug-08	30	05-Sep-08		FALSE		FALSE
Gas Scope	1023	REDMOND		05-Sep-08	30	05-Oct-08		FALSE		FALSE
Gas Scope	1023	REDMOND	06-Oct-08	06-Oct-08	30	05-Nov-08		FALSE		FALSE
Gas Scope	1023	REDMOND	22-Oct-08	22-Oct-08	30	21-Nov-08		FALSE		FALSE
Gas Scope	1023	REDMOND	26-Nov-08	26-Nov-08	30	26-Dec-08		FALSE		FALSE
Gas Scope	1109	SUMNER		15-Jan-08	30	14-Feb-08	SPARE UNIT	FALSE		FALSE
Gas Scope	1109	PUYALLUP		05-Feb-08	30	06-Mar-08		FALSE		FALSE
Gas Scope	1109	SUMNER		05-Mar-08	30	04-Apr-08	SPARE UNIT	FALSE		FALSE
Gas Scope	1109	PIPELINE		08-Apr-08	30	08-May-08		FALSE		FALSE
Gas Scope	1109	SUMNER		07-May-08	30	06-Jun-08	SPARE UNIT	FALSE		FALSE
Gas Scope	1109	SUMNER		06-Jun-08	30	06-Jul-08	SPARE UNIT	FALSE		FALSE
Gas Scope	1109	PIPELINE		08-Jul-08	30	07-Aug-08		FALSE		FALSE
Gas Scope	1109	PIPELINE		08-Aug-08	30	07-Sep-08		FALSE		FALSE
Gas Scope	1109	PIPELINE		08-Sep-08	30	08-Oct-08		FALSE		FALSE
Gas Scope	1109	PIPELINE	03-Oct-08	03-Oct-08	30	02-Nov-08		FALSE		FALSE

Potelco 2008 Gas Scope calibration records

Gas Scope	1109	SUMNER		05-Nov-08	30	05-Dec-08	SPARE UNIT	FALSE		FALSE
Gas Scope	1109	SUMNER		05-Dec-08	30	04-Jan-09	SPARE UNIT	FALSE		FALSE
Gas Scope	1121	SUMNER		15-Jan-08	30	14-Feb-08		FALSE	09-Jun-08	TRUE
Gas Scope	1121	REDMOND		11-Feb-08	30	12-Mar-08		FALSE	09-Jun-08	TRUE
Gas Scope	1121	SUMNER		07-Mar-08	30	06-Apr-08		FALSE	09-Jun-08	TRUE
Gas Scope	1121	PIPELINE		07-Apr-08	30	07-May-08		FALSE	09-Jun-08	TRUE
Gas Scope	1121	PIPELINE		06-May-08	30	05-Jun-08		FALSE	09-Jun-08	TRUE
							Work slowed down - put unit into temporary out of service			
Gas Scope	1121	SUMNER		09-Jun-08	30	09-Jul-08	status	FALSE	09-Jun-08	TRUE
Gas Scope	1124	PIPELINE		08-Jan-08	30	07-Feb-08		FALSE	09-Jun-08	TRUE
Gas Scope	1124	SUMNER		08-Feb-08	30	09-Mar-08		FALSE	09-Jun-08	TRUE
Gas Scope	1124	PIPELINE		07-Mar-08	30	06-Apr-08		FALSE	09-Jun-08	TRUE
Gas Scope	1124	SUMNER		07-Apr-08	30	07-May-08		FALSE	09-Jun-08	TRUE
Gas Scope	1124	KENT		01-May-08	30	31-May-08		FALSE	09-Jun-08	TRUE
							Work slowed down - put unit into temporary out of service			
Gas Scope	1124	SUMNER		09-Jun-08	30	09-Jul-08	status	FALSE	09-Jun-08	TRUE
Gas Scope	11377	SUMNER		15-Jan-08	30	14-Feb-08		FALSE		FALSE
Gas Scope	11377	OLYMPIA		11-Feb-08	30	12-Mar-08		FALSE		FALSE
Gas Scope	11377	OLYMPIA		11-Mar-08	30	10-Apr-08	Replaced Batteries	FALSE		FALSE
Gas Scope	11377	SUMNER		11-Apr-08	30	11-May-08		FALSE		FALSE
Gas Scope	11377	PIPELINE		05-May-08	30	04-Jun-08		FALSE		FALSE
Gas Scope	11377	KENT		02-Jun-08	30	02-Jul-08		FALSE		FALSE
Gas Scope	11377	KENT		03-Jul-08	30	02-Aug-08		FALSE		FALSE
Gas Scope	11377	KENT		04-Aug-08	30	03-Sep-08		FALSE		FALSE
Gas Scope	11377	KENT		03-Sep-08	30	03-Oct-08		FALSE		FALSE
							This scope went past the not to exceed date of 15 days (actual 19 days) see			
Gas Scope	11377	KENT	23-Sep-08	23-Sep-08	30	23-Oct-08	calibration date of 11/12/08	FALSE		FALSE
Gas Scope	11377	KENT	12-Nov-08	12-Nov-08	30	12-Dec-08		FALSE		FALSE
Gas Scope	11377	KENT	01-Dec-08	01-Dec-08	30	31-Dec-08		FALSE		FALSE
Gas Scope	1217	SUMNER		15-Jan-08	30	14-Feb-08		FALSE	09-Jun-08	TRUE
Gas Scope	1217	REDMOND		11-Feb-08	30	12-Mar-08		FALSE	09-Jun-08	TRUE
Gas Scope	1217	SUMNER		07-Mar-08	30	06-Apr-08		FALSE	09-Jun-08	TRUE
Gas Scope	1217	PIPELINE		07-Apr-08	30	07-May-08		FALSE	09-Jun-08	TRUE
Gas Scope	1217	REDMOND		06-May-08	30	05-Jun-08		FALSE	09-Jun-08	TRUE
							Work slowed down - put unit into temporary out of service			
Gas Scope	1217	SUMNER		09-Jun-08	30	09-Jul-08	status	FALSE	09-Jun-08	TRUE
							Sent into MSA for Repair - Not in tolerance - No Reading			
Gas Scope	1240	MSA	07-Jan-08		30			FALSE	09-Jun-08	TRUE
Gas Scope	1240	REDMOND	07-Mar-08	05-Mar-08	30	04-Apr-08		FALSE	09-Jun-08	TRUE
							RETURNED from Repair on			
Gas Scope	1240	SUMNER		05-Mar-08	30	04-Apr-08	3/5/08	FALSE	09-Jun-08	TRUE
Gas Scope	1240	SUMNER		07-Apr-08	30	07-May-08		FALSE	09-Jun-08	TRUE
Gas Scope	1240	REDMOND		06-May-08	30	05-Jun-08		FALSE	09-Jun-08	TRUE
							Work slowed down - put unit into temporary out of service			
Gas Scope	1240	SUMNER		09-Jun-08	30	09-Jul-08	status	FALSE	09-Jun-08	TRUE
							Worked slowed down - put into temporary out of service			
Gas Scope	1279	SUMNER	21-Oct-08		30			FALSE	21-Oct-08	TRUE

Potelco 2008 Gas Scope calibration records

Gas Scope	1279	KENT		04-Jan-08	30	03-Feb-08		FALSE	21-Oct-08	TRUE
Gas Scope	1279	SUMNER		05-Feb-08	30	06-Mar-08		FALSE	21-Oct-08	TRUE
Gas Scope	1279	PIPELINE		10-Mar-08	30	09-Apr-08		FALSE	21-Oct-08	TRUE
Gas Scope	1279	REDMOND		07-Apr-08	30	07-May-08		FALSE	21-Oct-08	TRUE
Gas Scope	1279	SUMNER		07-May-08	30	06-Jun-08		FALSE	21-Oct-08	TRUE
Gas Scope	1279	PIPELINE		09-Jun-08	30	09-Jul-08		FALSE	21-Oct-08	TRUE
Gas Scope	1279	PIPELINE		08-Jul-08	30	07-Aug-08		FALSE	21-Oct-08	TRUE
Gas Scope	1279	PIPELINE		08-Aug-08	30	07-Sep-08		FALSE	21-Oct-08	TRUE
Gas Scope	1279	SUMNER		08-Sep-08	30	08-Oct-08		FALSE	21-Oct-08	TRUE
Gas Scope	1279	KENT	23-Sep-08	23-Sep-08	30	23-Oct-08		FALSE	21-Oct-08	TRUE
Gas Scope	1390	SUMNER		15-Jan-08	30	14-Feb-08		TRUE	09-Jun-08	FALSE
Gas Scope	1390	KENT		04-Feb-08	30	05-Mar-08		TRUE	09-Jun-08	FALSE
Gas Scope	1390	SUMNER		04-Mar-08	30	03-Apr-08		TRUE	09-Jun-08	FALSE
Gas Scope	1390	KENT		01-Apr-08	30	01-May-08		TRUE	09-Jun-08	FALSE
Gas Scope	1390			02-May-08	30	01-Jun-08	Sent In For Repair	TRUE	09-Jun-08	FALSE
Gas Scope	1390			09-Jun-08	30	09-Jul-08	Scrapped - Repair too costly	TRUE	09-Jun-08	FALSE
Gas Scope	14347	PUYALLUP		07-Jan-08	30	06-Feb-08		FALSE		FALSE
Gas Scope	14347	PIPELINE		08-Feb-08	30	09-Mar-08		FALSE		FALSE
Gas Scope	14347	SUMNER		07-Mar-08	30	06-Apr-08		FALSE		FALSE
Gas Scope	14347	OLYMPIA		04-Apr-08	30	04-May-08		FALSE		FALSE
Gas Scope	14347	SUMNER		07-May-08	30	06-Jun-08		FALSE		FALSE
Gas Scope	14347	OLYMPIA		03-Jun-08	30	03-Jul-08		FALSE		FALSE
Gas Scope	14347	OLYMPIA		03-Jul-08	30	02-Aug-08		FALSE		FALSE
Gas Scope	14347	OLYMPIA		04-Aug-08	30	03-Sep-08		FALSE		FALSE
Gas Scope	14347	OLYMPIA		03-Sep-08	30	03-Oct-08		FALSE		FALSE
Gas Scope	14347	OLYMPIA	03-Oct-08	03-Oct-08	30	02-Nov-08		FALSE		FALSE
Gas Scope	14347	OLYMPIA	31-Oct-08	31-Oct-08	30	30-Nov-08		FALSE		FALSE
Gas Scope	14347	OLYMPIA	02-Dec-08	02-Dec-08	30	01-Jan-09		FALSE		FALSE
Gas Scope	14350	SUMNER		15-Jan-08	30	14-Feb-08		TRUE	07-Jul-08	FALSE
Gas Scope	14350	KENT		04-Feb-08	30	05-Mar-08		TRUE	07-Jul-08	FALSE
Gas Scope	14350	PIPELINE		13-Feb-08	30	14-Mar-08		TRUE	07-Jul-08	FALSE
Gas Scope	14350	SUMNER		10-Mar-08	30	09-Apr-08		TRUE	07-Jul-08	FALSE
Gas Scope	14350	PUYALLUP		04-Apr-08	30	04-May-08		TRUE	07-Jul-08	FALSE
Gas Scope	14350	SUMNER		05-May-08	30	04-Jun-08		TRUE	07-Jul-08	FALSE
Gas Scope	14350	SUMNER		06-Jun-08	30	06-Jul-08		TRUE	07-Jul-08	FALSE
Gas Scope	14350	SUMNER		07-Jul-08	30	06-Aug-08	Damaged beyond repair- ran over by forklift	TRUE	07-Jul-08	FALSE
Gas Scope	14355	SUMNER		15-Jan-08	30	14-Feb-08		FALSE		FALSE
Gas Scope	14355	OLYMPIA		11-Feb-08	30	12-Mar-08		FALSE		FALSE
Gas Scope	14355	OLYMPIA		11-Mar-08	30	10-Apr-08		FALSE		FALSE
Gas Scope	14355	REDMOND		07-Apr-08	30	07-May-08		FALSE		FALSE
Gas Scope	14355	SUMNER		07-May-08	30	06-Jun-08		FALSE		FALSE
Gas Scope	14355	REDMOND		09-Jun-08	30	09-Jul-08		FALSE		FALSE
Gas Scope	14355	REDMOND		09-Jul-08	30	08-Aug-08		FALSE		FALSE
Gas Scope	14355	REDMOND		06-Aug-08	30	05-Sep-08		FALSE		FALSE
Gas Scope	14355	REDMOND		05-Sep-08	30	05-Oct-08		FALSE		FALSE
Gas Scope	14355	REDMOND	06-Oct-08	06-Oct-08	30	05-Nov-08		FALSE		FALSE
Gas Scope	14355	REDMOND	22-Oct-08	22-Oct-08	30	21-Nov-08		FALSE		FALSE
Gas Scope	14355	REDMOND	26-Nov-08	26-Nov-08	30	26-Dec-08		FALSE		FALSE
Gas Scope	14368	PUYALLUP		07-Jan-08	30	06-Feb-08		FALSE		FALSE

Potelco 2008 Gas Scope calibration records

Gas Scope	14368	PIPELINE		08-Feb-08	30	09-Mar-08		FALSE		FALSE
Gas Scope	14368	SUMNER		07-Mar-08	30	06-Apr-08		FALSE		FALSE
Gas Scope	14368	OLYMPIA		04-Apr-08	30	04-May-08		FALSE		FALSE
Gas Scope	14368	SUMNER		05-May-08	30	04-Jun-08		FALSE		FALSE
Gas Scope	14368	PUYALLUP		03-Jun-08	30	03-Jul-08	Foreman Laid Off - Sent Monitor Back Re-tested on 6/6/08	FALSE		FALSE
Gas Scope	14368	SUMNER		06-Jun-08	30	06-Jul-08		FALSE		FALSE
Gas Scope	14368	SUMNER		07-Jul-08	30	06-Aug-08		FALSE		FALSE
Gas Scope	14368	KENT		04-Aug-08	30	03-Sep-08		FALSE		FALSE
Gas Scope	14368	KENT		03-Sep-08	30	03-Oct-08		FALSE		FALSE
Gas Scope	14368	KENT	29-Oct-08	29-Oct-08	30	28-Nov-08		FALSE		FALSE
Gas Scope	14368	KENT	01-Dec-08	01-Dec-08	30	31-Dec-08	Adjusted Set Screw	FALSE		FALSE
Gas Scope	14464	PIPELINE		14-Jan-08	30	13-Feb-08		FALSE		FALSE
Gas Scope	14464	SUMNER		15-Feb-08	30	16-Mar-08		FALSE		FALSE
Gas Scope	14464	PUYALLUP		05-Mar-08	30	04-Apr-08		FALSE		FALSE
Gas Scope	14464	SUMNER		07-Apr-08	30	07-May-08		FALSE		FALSE
Gas Scope	14464	OLYMPIA		02-May-08	30	01-Jun-08		FALSE		FALSE
Gas Scope	14464	SUMNER		06-Jun-08	30	06-Jul-08		FALSE		FALSE
Gas Scope	14464	SUMNER		07-Jul-08	30	06-Aug-08		FALSE		FALSE
Gas Scope	14464	PIPELINE		08-Aug-08	30	07-Sep-08		FALSE		FALSE
Gas Scope	14464	PIPELINE		08-Sep-08	30	08-Oct-08		FALSE		FALSE
Gas Scope	14464	PIPELINE	08-Oct-08	08-Oct-08	30	07-Nov-08		FALSE		FALSE
Gas Scope	14464	PIPELINE	05-Nov-08	05-Nov-08	30	05-Dec-08		FALSE		FALSE
Gas Scope	14464	PIPELINE	09-Dec-08	09-Dec-08	30	08-Jan-09		FALSE		FALSE
Gas Scope	14467	SUMNER	07-Jul-08		30		Damaged beyond repair	TRUE	07-Jul-08	FALSE
Gas Scope	14467	REDMOND		18-Jan-08	30	17-Feb-08		TRUE	07-Jul-08	FALSE
Gas Scope	14467	SUMNER		18-Feb-08	30	19-Mar-08		TRUE	07-Jul-08	FALSE
Gas Scope	14467	PIPELINE		07-Mar-08	30	06-Apr-08		TRUE	07-Jul-08	FALSE
Gas Scope	14467	SUMNER		07-Apr-08	30	07-May-08		TRUE	07-Jul-08	FALSE
Gas Scope	14467	REDMOND		06-May-08	30	05-Jun-08		TRUE	07-Jul-08	FALSE
Gas Scope	14467	SUMNER		06-Jun-08	30	06-Jul-08		TRUE	07-Jul-08	FALSE
Gas Scope	2140	SUMNER		15-Jan-08	30	14-Feb-08		FALSE		FALSE
Gas Scope	2140	OLYMPIA		11-Feb-08	30	12-Mar-08		FALSE		FALSE
Gas Scope	2140	OLYMPIA		11-Mar-08	30	10-Apr-08		FALSE		FALSE
Gas Scope	2140	PIPELINE		08-Apr-08	30	08-May-08		FALSE		FALSE
Gas Scope	2140	SUMNER		07-May-08	30	06-Jun-08		FALSE		FALSE
Gas Scope	2140	KENT		02-Jun-08	30	02-Jul-08		FALSE		FALSE
Gas Scope	2140	KENT		03-Jul-08	30	02-Aug-08		FALSE		FALSE
Gas Scope	2140	KENT		04-Aug-08	30	03-Sep-08		FALSE		FALSE
Gas Scope	2140	KENT		03-Sep-08	30	03-Oct-08		FALSE		FALSE
Gas Scope	2140	KENT	06-Oct-08	06-Oct-08	30	05-Nov-08		FALSE		FALSE
Gas Scope	2140	KENT	14-Nov-08	14-Nov-08	30	14-Dec-08		FALSE		FALSE
Gas Scope	2140	KENT	01-Dec-08	01-Dec-08	30	31-Dec-08		FALSE		FALSE
Gas Scope	2305	PUYALLUP		07-Jan-08	30	06-Feb-08		FALSE		FALSE
Gas Scope	2305	PIPELINE		08-Feb-08	30	09-Mar-08		FALSE		FALSE
Gas Scope	2305	SUMNER		07-Mar-08	30	06-Apr-08		FALSE		FALSE
Gas Scope	2305	PIPELINE		08-Apr-08	30	08-May-08		FALSE		FALSE
Gas Scope	2305	SUMNER		07-May-08	30	06-Jun-08		FALSE		FALSE

Potelco 2008 Gas Scope calibration records

Gas Scope	2305	KENT		02-Jun-08	30	02-Jul-08		FALSE		FALSE
Gas Scope	2305	KENT		03-Jul-08	30	02-Aug-08		FALSE		FALSE
Gas Scope	2305	KENT		04-Aug-08	30	03-Sep-08		FALSE		FALSE
Gas Scope	2305	KENT		03-Sep-08	30	03-Oct-08		FALSE		FALSE
Gas Scope	2305	KENT	06-Oct-08	06-Oct-08	30	05-Nov-08		FALSE		FALSE
Gas Scope	2305	KENT	14-Nov-08	14-Nov-08	30	14-Dec-08	Adjusted Set Screw	FALSE		FALSE
Gas Scope	2305	KENT	01-Dec-08	01-Dec-08	30	31-Dec-08		FALSE		FALSE
Gas Scope	2467	SUMNER		15-Jan-08	30	14-Feb-08	new batteries	FALSE		FALSE
Gas Scope	2467	KENT		04-Feb-08	30	05-Mar-08		FALSE		FALSE
Gas Scope	2467	SUMNER		04-Mar-08	30	03-Apr-08		FALSE		FALSE
Gas Scope	2467	KENT		01-Apr-08	30	01-May-08	New batteries	FALSE		FALSE
Gas Scope	2467	SUMNER		05-May-08	30	04-Jun-08		FALSE		FALSE
Gas Scope	2467	REDMOND		09-Jun-08	30	09-Jul-08		FALSE		FALSE
Gas Scope	2467	REDMOND		09-Jul-08	30	08-Aug-08	Adj Set Screw	FALSE		FALSE
Gas Scope	2467	REDMOND		06-Aug-08	30	05-Sep-08		FALSE		FALSE
Gas Scope	2467	REDMOND		05-Sep-08	30	05-Oct-08		FALSE		FALSE
Gas Scope	2467	REDMOND	06-Oct-08	06-Oct-08	30	05-Nov-08		FALSE		FALSE
Gas Scope	2467	REDMOND	22-Oct-08	22-Oct-08	30	21-Nov-08		FALSE		FALSE
Gas Scope	2467	REDMOND	26-Nov-08	26-Nov-08	30	26-Dec-08		FALSE		FALSE
Gas Scope	2701	SUMNER		15-Jan-08	30	14-Feb-08	New Batteries	FALSE	10-May-08	TRUE
Gas Scope	2701	REDMOND		11-Feb-08	30	12-Mar-08		FALSE	10-May-08	TRUE
Gas Scope	2701	SUMNER		07-Mar-08	30	06-Apr-08		FALSE	10-May-08	TRUE
Gas Scope	2701	Pipeline		07-Apr-08	30	07-May-08		FALSE	10-May-08	TRUE
Gas Scope	2701	SUMNER		10-May-08	30	09-Jun-08	Work slowed down - put unit into temporary out of service status	FALSE	10-May-08	TRUE
Gas Scope	3564	PIPELINE		08-Jan-08	30	07-Feb-08		FALSE	09-Jun-08	TRUE
Gas Scope	3564	SUMNER		08-Feb-08	30	09-Mar-08		FALSE	09-Jun-08	TRUE
Gas Scope	3564	KENT		04-Mar-08	30	03-Apr-08		FALSE	09-Jun-08	TRUE
Gas Scope	3564	SUMNER		07-Apr-08	30	07-May-08		FALSE	09-Jun-08	TRUE
Gas Scope	3564	REDMOND		06-May-08	30	05-Jun-08		FALSE	09-Jun-08	TRUE
Gas Scope	3564	SUMNER		09-Jun-08	30	09-Jul-08	Work slowed down - put unit into temporary out of service status	FALSE	09-Jun-08	TRUE
Gas Scope	3821	PUYALLUP		07-Jan-08	30	06-Feb-08		TRUE	04-Mar-09	FALSE
Gas Scope	3821	PIPELINE		08-Feb-08	30	09-Mar-08		TRUE	04-Mar-09	FALSE
Gas Scope	3821	SUMNER		07-Mar-08	30	06-Apr-08		TRUE	04-Mar-09	FALSE
Gas Scope	3821	OLYMPIA		04-Apr-08	30	04-May-08		TRUE	04-Mar-09	FALSE
Gas Scope	3821	SUMNER		07-May-08	30	06-Jun-08		TRUE	04-Mar-09	FALSE
Gas Scope	3821	PUYALLUP		03-Jun-08	30	03-Jul-08		TRUE	04-Mar-09	FALSE
Gas Scope	3821	PUYALLUP		07-Jul-08	30	06-Aug-08		TRUE	04-Mar-09	FALSE
Gas Scope	3821	PUYALLUP		06-Aug-08	30	05-Sep-08		TRUE	04-Mar-09	FALSE
Gas Scope	3821	PUYALLUP		18-Aug-08	30	17-Sep-08		TRUE	04-Mar-09	FALSE
Gas Scope	3821	PUYALLUP	17-Sep-08	17-Sep-08	30	17-Oct-08		TRUE	04-Mar-09	FALSE
Gas Scope	3821	PUYALLUP	14-Oct-08	14-Oct-08	30	13-Nov-08		TRUE	04-Mar-09	FALSE
Gas Scope	3821	PUYALLUP	11-Nov-08	11-Nov-08	30	11-Dec-08		TRUE	04-Mar-09	FALSE

Potelco 2008 Gas Scope calibration records

Gas Scope	3821	PUYALLUP	10-Dec-08	10-Dec-08	30	09-Jan-09		TRUE	04-Mar-09	FALSE
Gas Scope	3882	SUMNER		15-Jan-08	30	14-Feb-08		FALSE	09-Jun-08	TRUE
Gas Scope	3882	PIPELINE		08-Feb-08	30	09-Mar-08		FALSE	09-Jun-08	TRUE
Gas Scope	3882	SUMNER		07-Mar-08	30	06-Apr-08		FALSE	09-Jun-08	TRUE
Gas Scope	3882	PIPELINE		07-Apr-08	30	07-May-08		FALSE	09-Jun-08	TRUE
Gas Scope	3882	PIPELINE		06-May-08	30	05-Jun-08		FALSE	09-Jun-08	TRUE
Gas Scope	3882	SUMNER		09-Jun-08	30	09-Jul-08	Work slowed down - put unit into temporary out of service status	FALSE	09-Jun-08	TRUE
Gas Scope	3999	KENT		04-Jan-08	30	03-Feb-08		FALSE	10-May-08	TRUE
Gas Scope	3999	PIPELINE		13-Feb-08	30	14-Mar-08		FALSE	10-May-08	TRUE
Gas Scope	3999	SUMNER		10-Mar-08	30	09-Apr-08		FALSE	10-May-08	TRUE
Gas Scope	3999	PIPELINE		07-Apr-08	30	07-May-08		FALSE	10-May-08	TRUE
Gas Scope	3999	SUMNER		10-May-08	30	09-Jun-08	Work slowed down - put unit into temporary out of service status	FALSE	10-May-08	TRUE
Gas Scope	4433	PIPELINE		08-Jan-08	30	07-Feb-08		FALSE		FALSE
Gas Scope	4433	SUMNER		08-Feb-08	30	09-Mar-08		FALSE		FALSE
Gas Scope	4433	PIPELINE		07-Mar-08	30	06-Apr-08		FALSE		FALSE
Gas Scope	4433	REDMOND		07-Apr-08	30	07-May-08		FALSE		FALSE
Gas Scope	4433	SUMNER		07-May-08	30	06-Jun-08		FALSE		FALSE
Gas Scope	4433	OLYMPIA		03-Jun-08	30	03-Jul-08		FALSE		FALSE
Gas Scope	4433	OLYMPIA		03-Jul-08	30	02-Aug-08		FALSE		FALSE
Gas Scope	4433	OLYMPIA		04-Aug-08	30	03-Sep-08		FALSE		FALSE
Gas Scope	4433	OLYMPIA		03-Sep-08	30	03-Oct-08		FALSE		FALSE
Gas Scope	4433	OLYMPIA	03-Oct-08	03-Oct-08	30	02-Nov-08		FALSE		FALSE
Gas Scope	4433	OLYMPIA	31-Oct-08	31-Oct-08	30	30-Nov-08		FALSE		FALSE
Gas Scope	4433	OLYMPIA	02-Dec-08	02-Dec-08	30	01-Jan-09		FALSE		FALSE
Gas Scope	4606	SUMNER		15-Jan-08	30	14-Feb-08		FALSE	09-Jun-08	TRUE
Gas Scope	4606	PUYALLUP		05-Feb-08	30	06-Mar-08		FALSE	09-Jun-08	TRUE
Gas Scope	4606	SUMNER		05-Mar-08	30	04-Apr-08		FALSE	09-Jun-08	TRUE
Gas Scope	4606	KENT		01-Apr-08	30	01-May-08		FALSE	09-Jun-08	TRUE
Gas Scope	4606	PIPELINE		06-May-08	30	05-Jun-08		FALSE	09-Jun-08	TRUE
Gas Scope	4606	SUMNER		09-Jun-08	30	09-Jul-08	Work slowed down - put unit into temporary out of service status	FALSE	09-Jun-08	TRUE
Gas Scope	5188	OLYMPIA		11-Jan-08	30	10-Feb-08		FALSE	09-Jun-08	TRUE
Gas Scope	5188	SUMNER		12-Feb-08	30	13-Mar-08		FALSE	09-Jun-08	TRUE
Gas Scope	5188	PUYALLUP		05-Mar-08	30	04-Apr-08		FALSE	09-Jun-08	TRUE
Gas Scope	5188	SUMNER		07-Apr-08	30	07-May-08		FALSE	09-Jun-08	TRUE
Gas Scope	5188	OLYMPIA		02-May-08	30	01-Jun-08		FALSE	09-Jun-08	TRUE
Gas Scope	5188	SUMNER		09-Jun-08	30	09-Jul-08	Work slowed down - put unit into temporary out of service status	FALSE	09-Jun-08	TRUE
Gas Scope	5411	REDMOND		18-Jan-08	30	17-Feb-08		FALSE	09-Jun-08	TRUE
Gas Scope	5411	SUMNER		18-Feb-08	30	19-Mar-08		FALSE	09-Jun-08	TRUE
Gas Scope	5411	PIPELINE		07-Mar-08	30	06-Apr-08	Work slowed down - put unit into temporary out of service status	FALSE	09-Jun-08	TRUE
Gas Scope	5411	SUMNER		07-Apr-08	30	07-May-08		FALSE	09-Jun-08	TRUE
Gas Scope	5411	PIPELINE		05-May-08	30	04-Jun-08		FALSE	09-Jun-08	TRUE
Gas Scope	5411	SUMNER		09-Jun-08	30	09-Jul-08		FALSE	09-Jun-08	TRUE
Gas Scope	5707	PIPELINE		14-Jan-08	30	13-Feb-08		TRUE	09-Jun-08	FALSE
Gas Scope	5707	SUMNER		15-Feb-08	30	16-Mar-08		TRUE	09-Jun-08	FALSE
Gas Scope	5707	KENT		04-Mar-08	30	03-Apr-08		TRUE	09-Jun-08	FALSE
Gas Scope	5707	SUMNER		07-Apr-08	30	07-May-08		TRUE	09-Jun-08	FALSE
Gas Scope	5707	PUYALLUP		02-May-08	30	01-Jun-08		TRUE	09-Jun-08	FALSE
Gas Scope	5707			09-Jun-08	30	09-Jul-08	Damaged Beyond Repair- Scrapped out	TRUE	09-Jun-08	FALSE
Gas Scope	5708	PIPELINE		08-Jan-08	30	07-Feb-08		FALSE	15-Jan-09	TRUE

Potelco 2008 Gas Scope calibration records

Gas Scope	5708	SUMNER		08-Feb-08	30	09-Mar-08		FALSE	15-Jan-09	TRUE
Gas Scope	5708	PIPELINE		10-Mar-08	30	09-Apr-08		FALSE	15-Jan-09	TRUE
Gas Scope	5708	SUMNER		11-Apr-08	30	11-May-08		FALSE	15-Jan-09	TRUE
Gas Scope	5708	KENT		01-May-08	30	31-May-08		FALSE	15-Jan-09	TRUE
Gas Scope	5708	PIPELINE		09-Jun-08	30	09-Jul-08		FALSE	15-Jan-09	TRUE
Gas Scope	5708	Pipeline		08-Jul-08	30	07-Aug-08		FALSE	15-Jan-09	TRUE
Gas Scope	5708	PIPELINE		08-Aug-08	30	07-Sep-08		FALSE	15-Jan-09	TRUE
Gas Scope	5708	PIPELINE		08-Sep-08	30	08-Oct-08		FALSE	15-Jan-09	TRUE
Gas Scope	5708	PIPELINE	03-Oct-08	03-Oct-08	30	02-Nov-08		FALSE	15-Jan-09	TRUE
Gas Scope	5708	PIPELINE	05-Nov-08	05-Nov-08	30	05-Dec-08		FALSE	15-Jan-09	TRUE
Gas Scope	5708	PIPELINE	09-Dec-08	09-Dec-08	30	08-Jan-09		FALSE	15-Jan-09	TRUE
Gas Scope	5723	KENT		04-Jan-08	30	03-Feb-08		FALSE	10-May-08	TRUE
Gas Scope	5723	KENT		13-Feb-08	30	14-Mar-08		FALSE	10-May-08	TRUE
Gas Scope	5723	SUMNER		10-Mar-08	30	09-Apr-08		FALSE	10-May-08	TRUE
Gas Scope	5723	PUYALLUP		04-Apr-08	30	04-May-08		FALSE	10-May-08	TRUE
Gas Scope	5723	SUMNER		10-May-08	30	09-Jun-08	Work slowed down - put unit into temporary out of service status	FALSE	10-May-08	TRUE
Gas Scope	5737	KENT		04-Jan-08	30	03-Feb-08		FALSE	10-May-08	TRUE
Gas Scope	5737	PIPELINE		13-Feb-08	30	14-Mar-08		FALSE	10-May-08	TRUE
Gas Scope	5737	SUMNER		10-Mar-08	30	09-Apr-08		FALSE	10-May-08	TRUE
Gas Scope	5737	PUYALLUP		04-Apr-08	30	04-May-08		FALSE	10-May-08	TRUE
Gas Scope	5737	SUMNER		10-May-08	30	09-Jun-08	Work slowed down - put unit into temporary out of service status	FALSE	10-May-08	TRUE
Gas Scope	6072	REDMOND		18-Jan-08	30	17-Feb-08		FALSE		FALSE
Gas Scope	6072	SUMNER		18-Feb-08	30	19-Mar-08		FALSE		FALSE
Gas Scope	6072	PIPELINE		07-Mar-08	30	06-Apr-08		FALSE		FALSE
Gas Scope	6072	SUMNER		07-Apr-08	30	07-May-08		FALSE		FALSE
Gas Scope	6072	PUYALLUP		02-May-08	30	01-Jun-08		FALSE		FALSE
Gas Scope	6072	PIPELINE		09-Jun-08	30	09-Jul-08		FALSE		FALSE
Gas Scope	6072	PIPELINE		08-Jul-08	30	07-Aug-08		FALSE		FALSE
Gas Scope	6072	PIPELINE		08-Aug-08	30	07-Sep-08		FALSE		FALSE
Gas Scope	6072	PIPELINE		08-Sep-08	30	08-Oct-08		FALSE		FALSE
Gas Scope	6072	PIPELINE	08-Oct-08	08-Oct-08	30	07-Nov-08		FALSE		FALSE
Gas Scope	6072	PIPELINE	05-Nov-08	05-Nov-08	30	05-Dec-08		FALSE		FALSE
Gas Scope	6072	PIPELINE	09-Dec-08	09-Dec-08	30	08-Jan-09		FALSE		FALSE
Gas Scope	6225	SUMNER	05-Mar-08		30		Returned from MSA (Repaired) on 3/5/08.	FALSE		FALSE
Gas Scope	6225		07-Jan-08		30		Sent to MSA on (1/7/08) for Repair-Out Of tolerance- not able to adjust .	FALSE		FALSE
Gas Scope	6225	REDMOND		07-Mar-08	30	06-Apr-08		FALSE		FALSE
Gas Scope	6225	SUMNER		07-Apr-08	30	07-May-08		FALSE		FALSE
Gas Scope	6225	KENT		01-May-08	30	31-May-08		FALSE		FALSE
Gas Scope	6225	PIPELINE		09-Jun-08	30	09-Jul-08		FALSE		FALSE
Gas Scope	6225	PIPELINE		09-Jul-08	30	08-Aug-08		FALSE		FALSE
Gas Scope	6225	PIPELINE		08-Aug-08	30	07-Sep-08		FALSE		FALSE
Gas Scope	6225	PIPELINE		08-Sep-08	30	08-Oct-08		FALSE		FALSE
Gas Scope	6225	PIPELINE	08-Oct-08	08-Oct-08	30	07-Nov-08		FALSE		FALSE

Potelco 2008 Gas Scope calibration records

Gas Scope	6225	PIPELINE	05-Nov-08	05-Nov-08	30	05-Dec-08		FALSE		FALSE
Gas Scope	6225	SUMNER		05-Dec-08	30	04-Jan-09	SPARE UNIT	FALSE		FALSE
Gas Scope	6405	KENT		04-Jan-08	30	03-Feb-08		FALSE	10-May-08	TRUE
Gas Scope	6405	SUMNER		05-Feb-08	30	06-Mar-08		FALSE	10-May-08	TRUE
Gas Scope	6405	KENT		04-Mar-08	30	03-Apr-08		FALSE	10-May-08	TRUE
Gas Scope	6405	PUYALLUP		04-Apr-08	30	04-May-08		FALSE	10-May-08	TRUE
							Work slowed down - put unit into temporary out of service			
Gas Scope	6405	SUMNER		10-May-08	30	09-Jun-08	status	FALSE	10-May-08	TRUE
Gas Scope	6780	OLYMPIA		11-Jan-08	30	10-Feb-08		FALSE	09-Jun-08	TRUE
Gas Scope	6780	SUMNER		12-Feb-08	30	13-Mar-08		FALSE	09-Jun-08	TRUE
Gas Scope	6780	PUYALLUP		05-Mar-08	30	04-Apr-08		FALSE	09-Jun-08	TRUE
Gas Scope	6780	SUMNER		07-Apr-08	30	07-May-08		FALSE	09-Jun-08	TRUE
Gas Scope	6780	KENT		01-May-08	30	31-May-08		FALSE	09-Jun-08	TRUE
							Work slowed down - put unit into temporary out of service			
Gas Scope	6780	SUMNER		09-Jun-08	30	09-Jul-08	status	FALSE	09-Jun-08	TRUE
							Sent into MSA for Repair-out of tolerance-No Reading RETURNED from Repair in			
Gas Scope	8060		07-Jan-08		30		3/5/08	FALSE		FALSE
Gas Scope	8060	SUMNER		05-Mar-08	30	04-Apr-08		FALSE		FALSE
Gas Scope	8060	REDMOND		07-Mar-08	30	06-Apr-08		FALSE		FALSE
Gas Scope	8060	SUMNER		07-Apr-08	30	07-May-08		FALSE		FALSE
Gas Scope	8060	OLYMPIA		02-May-08	30	01-Jun-08		FALSE		FALSE
Gas Scope	8060	SUMNER		06-Jun-08	30	06-Jul-08		FALSE		FALSE
Gas Scope	8060	KENT		03-Jul-08	30	02-Aug-08		FALSE		FALSE
Gas Scope	8060	SUMNER		11-Aug-08	30	10-Sep-08		FALSE		FALSE
Gas Scope	8060	SUMNER		11-Sep-08	30	11-Oct-08		FALSE		FALSE
Gas Scope	8060	KENT		23-Sep-08	30	23-Oct-08		FALSE		FALSE
Gas Scope	8060	KENT	29-Oct-08	29-Oct-08	30	28-Nov-08		FALSE		FALSE
Gas Scope	8060	KENT	01-Dec-08	01-Dec-08	30	31-Dec-08		FALSE		FALSE
Gas Scope	960	PIPELINE		14-Jan-08	30	13-Feb-08		FALSE		FALSE
Gas Scope	960	SUMNER		15-Feb-08	30	16-Mar-08		FALSE		FALSE
Gas Scope	960	PUYALLUP		05-Mar-08	30	04-Apr-08		FALSE		FALSE
Gas Scope	960	SUMNER		07-Apr-08	30	07-May-08		FALSE		FALSE
Gas Scope	960	PUYALLUP		02-May-08	30	01-Jun-08		FALSE		FALSE
Gas Scope	960	PIPELINE		09-Jun-08	30	09-Jul-08	Adj Set Screw	FALSE		FALSE
Gas Scope	960	PIPELINE		09-Jul-08	30	08-Aug-08		FALSE		FALSE
Gas Scope	960	PIPELINE		08-Aug-08	30	07-Sep-08		FALSE		FALSE
Gas Scope	960	PIPELINE		08-Sep-08	30	08-Oct-08		FALSE		FALSE
Gas Scope	960	PIPELINE	08-Oct-08	08-Oct-08	30	07-Nov-08		FALSE		FALSE
Gas Scope	960	PIPELINE	05-Nov-08	05-Nov-08	30	05-Dec-08		FALSE		FALSE
Gas Scope	960	PIPELINE	09-Dec-08	09-Dec-08	30	08-Jan-09		FALSE		FALSE
Gas Scope	963	SUMNER	09-Apr-08		30		RETURNED from MSA (REPAIRED) on 4/9/08 Sent into MSA on (3/6/08)	FALSE		FALSE
Gas Scope	963		06-Mar-08		30		for Repair	FALSE		FALSE
Gas Scope	963	PIPELINE		08-Jan-08	30	07-Feb-08		FALSE		FALSE
Gas Scope	963	SUMNER		08-Feb-08	30	09-Mar-08		FALSE		FALSE
Gas Scope	963	SUMNER		11-Apr-08	30	11-May-08		FALSE		FALSE
Gas Scope	963	REDMOND		22-Apr-08	30	22-May-08		FALSE		FALSE
Gas Scope	963	SUMNER		05-May-08	30	04-Jun-08		FALSE		FALSE

Poteico 2008 Gas Scope calibration records

Gas Scope	963	REDMOND		09-Jun-08	30	09-Jul-08		FALSE		FALSE
Gas Scope	963	REDMOND		09-Jul-08	30	08-Aug-08		FALSE		FALSE
Gas Scope	963	REDMOND		06-Aug-08	30	05-Sep-08		FALSE		FALSE
Gas Scope	963	REDMOND		05-Sep-08	30	05-Oct-08		FALSE		FALSE
Gas Scope	963	REDMOND	06-Oct-08	06-Oct-08	30	05-Nov-08		FALSE		FALSE
Gas Scope	963	REDMOND	22-Oct-08	22-Oct-08	30	21-Nov-08		FALSE		FALSE
Gas Scope	963	REDMOND	26-Nov-08	26-Nov-08	30	26-Dec-08		FALSE		FALSE
Gas Scope	9977	SUMNER		15-Jan-08	30	14-Feb-08		FALSE	10-May-08	TRUE
Gas Scope	9977	KENT		04-Feb-08	30	05-Mar-08		FALSE	10-May-08	TRUE
Gas Scope	9977	SUMNER		04-Mar-08	30	03-Apr-08		FALSE	10-May-08	TRUE
Gas Scope	9977	KENT		01-Apr-08	30	01-May-08		FALSE	10-May-08	TRUE
Gas Scope	9977	SUMNER		10-May-08	30	09-Jun-08	Work slowed down - put unit into temporary out of service status	FALSE	10-May-08	TRUE
Gas Scope	9993	SUMNER		15-Jan-08	30	14-Feb-08		FALSE		FALSE
Gas Scope	9993	PUYALLUP		05-Feb-08	30	06-Mar-08		FALSE		FALSE
Gas Scope	9993	SUMNER		05-Mar-08	30	04-Apr-08		FALSE		FALSE
Gas Scope	9993	KENT		01-Apr-08	30	01-May-08		FALSE		FALSE
Gas Scope	9993	SUMNER		07-May-08	30	06-Jun-08		FALSE		FALSE
Gas Scope	9993	OLYMPIA		03-Jun-08	30	03-Jul-08		FALSE		FALSE
Gas Scope	9993	OLYMPIA		03-Jul-08	30	02-Aug-08		FALSE		FALSE
Gas Scope	9993	OLYMPIA		04-Aug-08	30	03-Sep-08		FALSE		FALSE
Gas Scope	9993	OLYMPIA		03-Sep-08	30	03-Oct-08		FALSE		FALSE
Gas Scope	9993	OLYMPIA	03-Oct-08	03-Oct-08	30	02-Nov-08	Changed Filter	FALSE		FALSE
Gas Scope	9993	OLYMPIA	31-Oct-08	31-Oct-08	30	30-Nov-08		FALSE		FALSE
Gas Scope	9993	OLYMPIA	02-Dec-08	02-Dec-08	30	01-Jan-09		FALSE		FALSE

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

(2) *Each gas pipeline company must maintain, test for accuracy, calibrate and operate gas detection instruments in accordance with the manufacturer's recommendations. If there are no written manufacturer's recommendations or schedules, then the gas pipeline company must test such instruments for accuracy at least monthly, but not to exceed forty-five days between testing, and at least twelve times per year. The gas pipeline company must recalibrate or remove from service any such instrument that does not meet applicable tolerances. Records of accuracy checks, calibration and other maintenance performed must be maintained for five years.*

Charge:

Gas detection instruments were not calibrated monthly.

Finding(s):

Records indicate that the following PSE Gas First Responder leak detection instruments were not calibrated monthly as required.

- a) Gascope 10002 - missed 10/07, 5/08 and 10/08.
- b) Gascope 1016 - missed 8/07, 9/07, 10/07 and 12/07.
- c) Gascope 1021 - missed 2/08, 4/08.
- d) Gascope 1039 - missed 1/08, 4/08, 8/08 and 11/08.
- e) Gascope 1041 - missed 11/07, 4/08 and 11/08.
- f) Gascope 1096 - missed 8/07 and 11/07.
- g) Gascope 1508 - missed 3/07, 6/07, 10/07, 2/08, and 4/08 thru 11/08.
- h) Gascope 1711 - missed 11/08.
- i) Gascope 1718 - missed 5/07, 12/07, 5/08 and 7/08.
- j) Gascope 1746 - missed 3/07, and 11/07.
- k) Gascope 2105 - missed 3/07.
- l) Gascope 2285 - missed 7/07, 8/07 and 9/07.
- m) Gascope 2308 - missed 2/08.
- n) Gascope 2326 - missed 2/07 and 12/07.
- o) Gascope 3797 - missed 11/07.
- p) Gascope 3953 - missed 8/07, 12/07, 2/08, 7/08, 9/08 and 12/08.
- q) Gascope 4000 - missed 2/08 and 5 thru 11/08.
- r) Gascope 4618 - missed 9/07, 1/08, 2/08 and 7/08.
- s) Gascope 4730 - missed 8/08 and 10/08.
- t) Gascope 5058 - missed 3/07, 12/07, 10/08 and 12/08.
- u) Gascope 5756 - missed 2/08, 4/08 and 10/08.
- v) Gascope 6089 - missed 11/08.
- w) Gascope 6229 - missed 2/08.
- x) Gascope 639 - missed 3/07, 4/07, 7/07, 8/07, 10/07, 11/07, 12/07, 2/08 and 10/08.
- y) Gascope 6796 - missed 8/07, 12/07, 6/08 and 11/08.
- z) Gascope 6840 - missed 3/07, 8/07, 10/07, 12/07, 2/08, 5/08, 9/08 and 11/08.
- aa) Gascope 8010 - missed 11/08.
- bb) Gastrac 23870 - missed 2/08 and 3/08.

- cc) Gastrac E30669 - missed 9/07, 1/08 and 12/08.
- dd) Gastrac E30691 - missed 3/07, 12/07, 10/08 and 12/08.
- ee) Gastrac E30693 - missed 12/07, 6/08, 10/08 and 12/08.
- ff) Gastrac E30694 - missed 5/07, 12/07, and 7/08.
- gg) Gastrac E30698 - missed 2/08 and 4/08.
- hh) Gastrac J44664 - missed 8/07 and 11/07.
- ii) Gastrac J44681 - missed 1/07, 3/07, 9/07, 1/08, 2/08, 3/08 and 5 thru 11/08.
- jj) Gastrac J44873 - missed 3 thru 12/07, 8/08 and 10/08.
- kk) Gastrac J45470 - missed 11/07 and 11/08.
- ll) Gastrac J45476 - missed 1/07, 2/07, 6 thru 12/07, 2/08 and 6/08.
- mm) Gastrac J45623 - missed 1/07, 2/07, 3/07, 6/07, 10/07 and 10/08.
- nn) Gastrac J45757 - missed 2/08, 4/08 and 10/08.
- oo) Gastrac J49853 - missed 3/07, 8/07, 2/08, 5/08, 9/08 and 11/08.
- pp) Gastrac J50114 - missed 11/08.
- qq) Gastrac J51121 - missed 8/07, 12/07, 7/08, 9/08 and 12/08.
- rr) Gastrac J51124 - 8/07 and 11/07.
- ss) Gastrac J51134 - missed 2/08.
- tt) Gastrac J51135 - missed 5/07, 01/08, 8/08 and 10/08.
- uu) Gastrac J53298 - missed 5/07, 6/07, 8/07, 11/07, 4/08 and 11/08.
- vv) Gastrac J53300 - missed 8/07 and 4/08.
- ww) Gastrac J53307 - missed 1/08.
- xx) Gastrac J53309 - missed 5/07, 6/07, 8/07, 6/08 and 11/08.
- yy) Gastrac J53315 - missed 12/07 and 11/08.
- zz) Gastrac J53316 - missed 12/07, 5/08 and 10/08.
- aaa) Gastrac M02605 - missed 2/08 and 10/08.
- bbb) Gastrac M02607 - missed 1/09.
- ccc) Gastrac M04383 - missed 2/07, 4/07, 5/07, 8/07 and 12/07.
- ddd) Gastrac M04390 - missed 6 thru 12/07, 2/08 and 6 thru 11/08.
- eee) Gastrac M04790 - missed 2/08.
- fff) Gastrac M07380 - missed 11/07, 7/08 and 11/08.
- ggg) Gastrac M09516 - missed 1/07, 6/08 and 10/08.
- hhh) Gastrac M09577 - missed 10/07, 5/08 and 10/08.

Records indicate that the following Potelco leak detection instruments were not calibrated monthly as required:

- a) Gascope 1023 - missed 1/07 and 2/07. (Lost)
- b) Gascope 1240 - missed 2/07. (Lost)
- c) Gascope 2140 - missed 2/07, 3/07 and 4/07. (Lost)
- d) Gascope 5737 - missed 2/07, 3/07 and 4/07. (Lost)
- e) Gascope 6072 - missed 1/07. (Lost)
- f) Gascope 6225 - missed 10/07. (Lost)
- g) Gascope 11377 - missed 10/08.
- h) Gascopec 14347, 14368, 4433, 8060 and 9993 all missed 11/08.