



RECEIVED

FEB 29 2008

PUBLIC SERVICE  
COMMISSION

Ms. Elizabeth O'Donnell  
Public Service Commission  
211 Sower Boulevard  
P. O. Box 615  
Frankfort, Kentucky 40601

**E.ON U.S. LLC**  
Regulatory Affairs &  
Compliance  
220 W. Main Street  
Louisville, KY 40202  
www.eon-us.com

Martin J. Reinert  
Regulatory Analyst II  
O 502-627-4173  
MARTY.REINERT@eon-us.com

February 27, 2008

Re: *In the Matter of: Joint Application of Inter County Energy Cooperative, Kentucky Power Company, Kentucky Utilities Company, Louisville Gas and Electric Company, Owen Electric Cooperative, Shelby Energy Cooperative, Inc., and the Union Light, Heat & Power Company for Approval of a Pilot Meter Testing Plan Pursuant 807 KAR 5:041, Section 13, 15, 16, 17, and 22, Case No. 2005-00276*

**Annual Report – Louisville Gas and Electric Company**

Dear Ms. O'Donnell:

The Kentucky Public Service Commission ("Commission") originally approved a pilot sample meter testing plan for participating electric utilities in its Order of December 12, 2000, in Case Number 99-441. On November 10, 2005, in Case No. 2005-00276, the Commission approved the 2006 Sample Meter Testing Plan submitted by participating electric utilities on a permanent basis effective January 1, 2006.

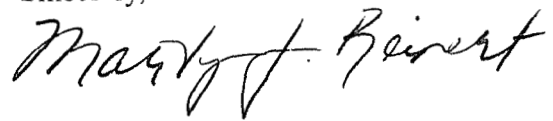
Pursuant to the 2006 Sample Meter Testing Plan (originally filed on July 1, 2005), Section I(4) and Section II(D)(4), **Louisville Gas and Electric Company** submits the following:

The Certified Test Results of all new meters  
received  
(Attachment A)

2007 Statistical Sampling Test Results and  
Summary  
(Attachment B)

If you have any questions please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink that reads "Marty J. Reinert". The signature is written in a cursive style with a large, prominent initial "M".

Marty J. Reinert

Cc: Jim Welch, Engineering Director PSC

Attachments

# ATTACHMENT

## A

### Certified Test Results

ACCOUNTS RECEIVABLE

Table with multiple columns containing financial data, likely representing accounts receivable details for a specific period. The data is presented in a structured grid format.



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THE FOLLOWING INFORMATION IS SUBJECT TO THE PROVISIONS OF THE PRIVACY ACT AND THE ACCESS TO INFORMATION ACT. L'INFORMATION CI-Dessous EST SOUS LE RÉGIME DE LA LOI SUR LA PROTECTION DES RENSEIGNEMENTS PERSONNELS ET DE LA LOI SUR L'ACCÈS À L'INFORMATION.

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THE FOLLOWING INFORMATION IS SUBJECT TO THE PROVISIONS OF THE PRIVACY ACT AND THE ACCESS TO INFORMATION ACT. L'INFORMATION CI-Dessous EST SOUS LE RÉGIME DE LA LOI SUR LA PROTECTION DES RENSEIGNEMENTS PERSONNELS ET DE LA LOI SUR L'ACCÈS À L'INFORMATION.





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01/03/2000

01/03/2000

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01/03/2000









847308/2006  
001

RECEIVED DIRECTOR GENERAL  
CIVIL ENGINEERING  
TELEPHONE ROOM  
FEDERAL BUREAU OF INVESTIGATION  
U.S. DEPARTMENT OF JUSTICE

COMMUNICATIONS SECTION  
FEDERAL BUREAU OF INVESTIGATION  
U.S. DEPARTMENT OF JUSTICE

COMMUNICATIONS SECTION

FEDERAL BUREAU OF INVESTIGATION  
U.S. DEPARTMENT OF JUSTICE

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COMPARISON  
OF  
RESULTS  
OBTAINED  
WITH  
THE  
SUGGESTED  
METHOD  
AND  
THE  
METHOD  
OF  
MRS  
D. H. TAYLOR  
AS  
GIVEN  
IN  
HER  
PAPER  
ON  
THE  
DISTRIBUTION  
OF  
THE  
WEIGHTS  
OF  
THE  
BONES  
OF  
THE  
HUMAN  
SKULL.  
By  
J. D. H. BRIDGE, F.R.S.

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The results obtained with the suggested method and the method of Mrs. D. H. Taylor, as given in her paper on the distribution of the weights of the bones of the human skull, are compared.

The results obtained with the suggested method and the method of Mrs. D. H. Taylor, as given in her paper on the distribution of the weights of the bones of the human skull, are compared.

The results obtained with the suggested method and the method of Mrs. D. H. Taylor, as given in her paper on the distribution of the weights of the bones of the human skull, are compared.

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The results obtained with the suggested method and the method of Mrs. D. H. Taylor, as given in her paper on the distribution of the weights of the bones of the human skull, are compared.













ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED DATE 08/05/2010 BY 60322/UCBAW/SAB/STP

REACTOR

LIGHT LOAD

FULL LOAD

14

15

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[REDACTED]

[REDACTED]

[REDACTED]

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[REDACTED]

[REDACTED]

[REDACTED]















LOUISVILLE GAS & ELECTRIC COMPANY  
SUBSTATION NAME  
METER NUMBER  
METER ADD'D LAST YEAR  
TRACTOR

FULL LOAD LIGHT LOAD

Table with multiple columns containing data points, likely representing meter readings or load statistics for the first set of substations.

Table with multiple columns containing data points, likely representing meter readings or load statistics for the second set of substations.

Table with multiple columns containing data points, likely representing meter readings or load statistics for the third set of substations.

TO TYPED METER NUMBER

Table with multiple columns containing data points, likely representing meter readings or load statistics for the fourth set of substations.

Table with multiple columns containing data points, likely representing meter readings or load statistics for the fifth set of substations.

TYPE HANDOUTS

Table with multiple columns containing data points, likely representing meter readings or load statistics for the sixth set of substations.













01/29/74 PAGE: 24

MEMPHIS GAS & ELECTRIC COMPANY  
SUBSIDY FOR 1973  
NEW SERVICE ADDED LAST YEAR

CLASSIFICATION

FULL LOAD LIGHT LOAD PEAK FACTOR

YEAR 1971

WATER NUMBER

TIME

WARRANT NUMBER

Table with multiple columns of data, including classification codes and numerical values for full load, light load, and peak factor.









APR 1973  
808482710

AMERICAN ELECTRIC COMPANY  
1000 WEST 10TH AVENUE  
DENVER, COLORADO 80202  
TELEPHONE 333-3333  
CABLE 333333

FACTORY LIGHT LOAD FULL LOAD



















01/09/1973  
23/03/1973  
24/03/1973

LOWVILLE GAS & ELECTRIC COMPANY  
METER NUMBER  
TEST DATE  
FULL LOAD  
LIGHT LOAD  
REACTOR

MANUFACTURER TYPE METER NUMBER TEST DATE FULL LOAD LIGHT LOAD REACTOR

Table with columns: MANUFACTURER, TYPE, METER NUMBER, TEST DATE, FULL LOAD, LIGHT LOAD, REACTOR. The table contains multiple rows of data points, likely representing meter readings or test results for different meters and dates.

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01/22/2009 09:00  
PAGE 001

LOUVERVILLE CASE 3 ELECTRIC COMPANY  
METER NUMBER 10000000000000000000  
METER TYPE 10000000000000000000  
METER STATUS 10000000000000000000  
METER LAST YEAR 10000000000000000000

FULL LOAD LIGHT LOAD REACTOR

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01/28/2000  
PAGE: 47

LOUISVILLE GAS & ELECTRICAL COMPANY  
METER SUBScription (BASE)  
NEW METERS ADDED LAST YEAR

MANUFACTURER METER NUMBER TEST DATE FULL LOAD LIGHT LOAD FRACTION

Table with multiple columns containing data for meters added last year, including manufacturer, meter number, test date, full load, light load, and fraction. The data rows are mostly illegible due to scanning quality.

LOUISIANA ELECTRIC COMPANY  
 CUMMINS ENGINE SYSTEM TRACTOR  
 NEW BELLEVILLE MISSOURI  
 2008 12/31 YEAR

MANUFACTURER TYPE NUMBER SERIAL NUMBER TIME IN MONTHS FULL LOAD LIGHT LOAD TRACTOR

MANUFACTURER	TYPE	NUMBER	SERIAL	TIME	IN	MONTHS	FULL	LOAD	LIGHT	LOAD	TRACTOR
LOUISIANA ELECTRIC COMPANY	CUMMINS ENGINE SYSTEM	TRACTOR	NEW BELLEVILLE MISSOURI	2008	12/31	YEAR					







7 1996 2007

GENERAL INFORMATION

DATA

1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079 2080 2081 2082 2083 2084 2085 2086 2087 2088 2089 2090 2091 2092 2093 2094 2095 2096 2097 2098 2099 2100

2101 2102 2103 2104 2105 2106 2107 2108 2109 2110 2111 2112 2113 2114 2115 2116 2117 2118 2119 2120 2121 2122 2123 2124 2125 2126 2127 2128 2129 2130 2131 2132 2133 2134 2135 2136 2137 2138 2139 2140 2141 2142 2143 2144 2145 2146 2147 2148 2149 2150 2151 2152 2153 2154 2155 2156 2157 2158 2159 2160 2161 2162 2163 2164 2165 2166 2167 2168 2169 2170 2171 2172 2173 2174 2175 2176 2177 2178 2179 2180 2181 2182 2183 2184 2185 2186 2187 2188 2189 2190 2191 2192 2193 2194 2195 2196 2197 2198 2199 2200

2201 2202 2203 2204 2205 2206 2207 2208 2209 2210 2211 2212 2213 2214 2215 2216 2217 2218 2219 2220 2221 2222 2223 2224 2225 2226 2227 2228 2229 2230 2231 2232 2233 2234 2235 2236 2237 2238 2239 2240 2241 2242 2243 2244 2245 2246 2247 2248 2249 2250 2251 2252 2253 2254 2255 2256 2257 2258 2259 2260 2261 2262 2263 2264 2265 2266 2267 2268 2269 2270 2271 2272 2273 2274 2275 2276 2277 2278 2279 2280 2281 2282 2283 2284 2285 2286 2287 2288 2289 2290 2291 2292 2293 2294 2295 2296 2297 2298 2299 2300

2301 2302 2303 2304 2305 2306 2307 2308 2309 2310 2311 2312 2313 2314 2315 2316 2317 2318 2319 2320 2321 2322 2323 2324 2325 2326 2327 2328 2329 2330 2331 2332 2333 2334 2335 2336 2337 2338 2339 2340 2341 2342 2343 2344 2345 2346 2347 2348 2349 2350 2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361 2362 2363 2364 2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377 2378 2379 2380 2381 2382 2383 2384 2385 2386 2387 2388 2389 2390 2391 2392 2393 2394 2395 2396 2397 2398 2399 2400

2401 2402 2403 2404 2405 2406 2407 2408 2409 2410 2411 2412 2413 2414 2415 2416 2417 2418 2419 2420 2421 2422 2423 2424 2425 2426 2427 2428 2429 2430 2431 2432 2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2443 2444 2445 2446 2447 2448 2449 2450 2451 2452 2453 2454 2455 2456 2457 2458 2459 2460 2461 2462 2463 2464 2465 2466 2467 2468 2469 2470 2471 2472 2473 2474 2475 2476 2477 2478 2479 2480 2481 2482 2483 2484 2485 2486 2487 2488 2489 2490 2491 2492 2493 2494 2495 2496 2497 2498 2499 2500

2501 2502 2503 2504 2505 2506 2507 2508 2509 2510 2511 2512 2513 2514 2515 2516 2517 2518 2519 2520 2521 2522 2523 2524 2525 2526 2527 2528 2529 2530 2531 2532 2533 2534 2535 2536 2537 2538 2539 2540 2541 2542 2543 2544 2545 2546 2547 2548 2549 2550 2551 2552 2553 2554 2555 2556 2557 2558 2559 2560 2561 2562 2563 2564 2565 2566 2567 2568 2569 2570 2571 2572 2573 2574 2575 2576 2577 2578 2579 2580 2581 2582 2583 2584 2585 2586 2587 2588 2589 2590 2591 2592 2593 2594 2595 2596 2597 2598 2599 2600

2601 2602 2603 2604 2605 2606 2607 2608 2609 2610 2611 2612 2613 2614 2615 2616 2617 2618 2619 2620 2621 2622 2623 2624 2625 2626 2627 2628 2629 2630 2631 2632 2633 2634 2635 2636 2637 2638 2639 2640 2641 2642 2643 2644 2645 2646 2647 2648 2649 2650 2651 2652 2653 2654 2655 2656 2657 2658 2659 2660 2661 2662 2663 2664 2665 2666 2667 2668 2669 2670 2671 2672 2673 2674 2675 2676 2677 2678 2679 2680 2681 2682 2683 2684 2685 2686 2687 2688 2689 2690 2691 2692 2693 2694 2695 2696 2697 2698 2699 2700





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LOUISVILLE GAS & ELECTRIC COMPANY  
METER NUMBER 1800007  
NEW METER ADDED LAST YEAR

00000000

MANUFACTURER TYPE METER NUMBER THIS DATE FULL LOAD LIGHT LOAD FRACTION

Table with multiple columns (Manufacturer, Type, Meter Number, This Date, Full Load, Light Load, Fraction) containing rows of data, though the text is heavily obscured by noise.

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LOUISVILLE GAS & ELECTRIC COMPANY  
NEW METERS ADDED LAST YEAR

FULL LOAD LIGHT LOAD PFACROR

MANUFACTURER

TYPE

METER NUMBER

TEST DATE

FULL LOAD

LIGHT LOAD

PFACROR

MANUFACTURER	TYPE	METER NUMBER	TEST DATE	FULL LOAD	LIGHT LOAD	PFACROR
01	01	010101	01/01/01	010101	010101	010101
02	02	020202	02/02/02	020202	020202	020202
03	03	030303	03/03/03	030303	030303	030303
04	04	040404	04/04/04	040404	040404	040404
05	05	050505	05/05/05	050505	050505	050505
06	06	060606	06/06/06	060606	060606	060606
07	07	070707	07/07/07	070707	070707	070707
08	08	080808	08/08/08	080808	080808	080808
09	09	090909	09/09/09	090909	090909	090909
10	10	101010	10/10/10	101010	101010	101010
11	11	111111	11/11/11	111111	111111	111111
12	12	121212	12/12/12	121212	121212	121212
13	13	131313	13/13/13	131313	131313	131313
14	14	141414	14/14/14	141414	141414	141414
15	15	151515	15/15/15	151515	151515	151515
16	16	161616	16/16/16	161616	161616	161616
17	17	171717	17/17/17	171717	171717	171717
18	18	181818	18/18/18	181818	181818	181818
19	19	191919	19/19/19	191919	191919	191919
20	20	202020	20/20/20	202020	202020	202020
21	21	212121	21/21/21	212121	212121	212121
22	22	222222	22/22/22	222222	222222	222222
23	23	232323	23/23/23	232323	232323	232323
24	24	242424	24/24/24	242424	242424	242424
25	25	252525	25/25/25	252525	252525	252525
26	26	262626	26/26/26	262626	262626	262626
27	27	272727	27/27/27	272727	272727	272727
28	28	282828	28/28/28	282828	282828	282828
29	29	292929	29/29/29	292929	292929	292929
30	30	303030	30/30/30	303030	303030	303030
31	31	313131	31/31/31	313131	313131	313131
32	32	323232	32/32/32	323232	323232	323232
33	33	333333	33/33/33	333333	333333	333333
34	34	343434	34/34/34	343434	343434	343434
35	35	353535	35/35/35	353535	353535	353535
36	36	363636	36/36/36	363636	363636	363636
37	37	373737	37/37/37	373737	373737	373737
38	38	383838	38/38/38	383838	383838	383838
39	39	393939	39/39/39	393939	393939	393939
40	40	404040	40/40/40	404040	404040	404040
41	41	414141	41/41/41	414141	414141	414141
42	42	424242	42/42/42	424242	424242	424242
43	43	434343	43/43/43	434343	434343	434343
44	44	444444	44/44/44	444444	444444	444444
45	45	454545	45/45/45	454545	454545	454545
46	46	464646	46/46/46	464646	464646	464646
47	47	474747	47/47/47	474747	474747	474747
48	48	484848	48/48/48	484848	484848	484848
49	49	494949	49/49/49	494949	494949	494949
50	50	505050	50/50/50	505050	505050	505050
51	51	515151	51/51/51	515151	515151	515151
52	52	525252	52/52/52	525252	525252	525252
53	53	535353	53/53/53	535353	535353	535353
54	54	545454	54/54/54	545454	545454	545454
55	55	555555	55/55/55	555555	555555	555555
56	56	565656	56/56/56	565656	565656	565656
57	57	575757	57/57/57	575757	575757	575757
58	58	585858	58/58/58	585858	585858	585858
59	59	595959	59/59/59	595959	595959	595959
60	60	606060	60/60/60	606060	606060	606060
61	61	616161	61/61/61	616161	616161	616161
62	62	626262	62/62/62	626262	626262	626262
63	63	636363	63/63/63	636363	636363	636363
64	64	646464	64/64/64	646464	646464	646464
65	65	656565	65/65/65	656565	656565	656565
66	66	666666	66/66/66	666666	666666	666666
67	67	676767	67/67/67	676767	676767	676767
68	68	686868	68/68/68	686868	686868	686868
69	69	696969	69/69/69	696969	696969	696969
70	70	707070	70/70/70	707070	707070	707070
71	71	717171	71/71/71	717171	717171	717171
72	72	727272	72/72/72	727272	727272	727272
73	73	737373	73/73/73	737373	737373	737373
74	74	747474	74/74/74	747474	747474	747474
75	75	757575	75/75/75	757575	757575	757575
76	76	767676	76/76/76	767676	767676	767676
77	77	777777	77/77/77	777777	777777	777777
78	78	787878	78/78/78	787878	787878	787878
79	79	797979	79/79/79	797979	797979	797979
80	80	808080	80/80/80	808080	808080	808080
81	81	818181	81/81/81	818181	818181	818181
82	82	828282	82/82/82	828282	828282	828282
83	83	838383	83/83/83	838383	838383	838383
84	84	848484	84/84/84	848484	848484	848484
85	85	858585	85/85/85	858585	858585	858585
86	86	868686	86/86/86	868686	868686	868686
87	87	878787	87/87/87	878787	878787	878787
88	88	888888	88/88/88	888888	888888	888888
89	89	898989	89/89/89	898989	898989	898989
90	90	909090	90/90/90	909090	909090	909090

01/28/2009 16:15:00

COOPERVILLE GAS & ELECTRIC COMPANY  
 2008 YEAR REPORT  
 NEW SERVICE ADJUST LAST YEAR

MONTHLY FULL LOAD LIGHT LOAD REACTION

DATE	REASON	MONTHLY FULL LOAD	MONTHLY LIGHT LOAD	REACTION
01/01/08		1234567890	1234567890	
01/02/08		1234567890	1234567890	
01/03/08		1234567890	1234567890	
01/04/08		1234567890	1234567890	
01/05/08		1234567890	1234567890	
01/06/08		1234567890	1234567890	
01/07/08		1234567890	1234567890	
01/08/08		1234567890	1234567890	
01/09/08		1234567890	1234567890	
01/10/08		1234567890	1234567890	
01/11/08		1234567890	1234567890	
01/12/08		1234567890	1234567890	
01/13/08		1234567890	1234567890	
01/14/08		1234567890	1234567890	
01/15/08		1234567890	1234567890	
01/16/08		1234567890	1234567890	
01/17/08		1234567890	1234567890	
01/18/08		1234567890	1234567890	
01/19/08		1234567890	1234567890	
01/20/08		1234567890	1234567890	
01/21/08		1234567890	1234567890	
01/22/08		1234567890	1234567890	
01/23/08		1234567890	1234567890	
01/24/08		1234567890	1234567890	
01/25/08		1234567890	1234567890	
01/26/08		1234567890	1234567890	
01/27/08		1234567890	1234567890	
01/28/08		1234567890	1234567890	
01/29/08		1234567890	1234567890	
01/30/08		1234567890	1234567890	
01/31/08		1234567890	1234567890	
02/01/08		1234567890	1234567890	
02/02/08		1234567890	1234567890	
02/03/08		1234567890	1234567890	
02/04/08		1234567890	1234567890	
02/05/08		1234567890	1234567890	
02/06/08		1234567890	1234567890	
02/07/08		1234567890	1234567890	
02/08/08		1234567890	1234567890	
02/09/08		1234567890	1234567890	
02/10/08		1234567890	1234567890	
02/11/08		1234567890	1234567890	
02/12/08		1234567890	1234567890	
02/13/08		1234567890	1234567890	
02/14/08		1234567890	1234567890	
02/15/08		1234567890	1234567890	
02/16/08		1234567890	1234567890	
02/17/08		1234567890	1234567890	
02/18/08		1234567890	1234567890	
02/19/08		1234567890	1234567890	
02/20/08		1234567890	1234567890	
02/21/08		1234567890	1234567890	
02/22/08		1234567890	1234567890	
02/23/08		1234567890	1234567890	
02/24/08		1234567890	1234567890	
02/25/08		1234567890	1234567890	
02/26/08		1234567890	1234567890	
02/27/08		1234567890	1234567890	
02/28/08		1234567890	1234567890	
02/29/08		1234567890	1234567890	





CONSOLIDATED GAS & ELECTRIC COMPANY  
SUBSIDIARY SYSTEM (INDU)

REVENUE METER ADDRESS LAST YEAR

FULL LOAD LIGHT LOAD

METER NUMBER

TYPE

MANUFACTURER

REVENUE	METER	ADDRESS	LAST	YEAR
0000000000	0000000000	0000000000	0000000000	0000000000
0000000000	0000000000	0000000000	0000000000	0000000000
0000000000	0000000000	0000000000	0000000000	0000000000
0000000000	0000000000	0000000000	0000000000	0000000000
0000000000	0000000000	0000000000	0000000000	0000000000

FULL LOAD	LIGHT LOAD
0000000000	0000000000
0000000000	0000000000
0000000000	0000000000
0000000000	0000000000
0000000000	0000000000

METER NUMBER
0000000000
0000000000
0000000000
0000000000
0000000000

TYPE
0000000000
0000000000
0000000000
0000000000
0000000000

MANUFACTURER
0000000000
0000000000
0000000000
0000000000
0000000000

REVENUE	METER	ADDRESS	LAST	YEAR
0000000000	0000000000	0000000000	0000000000	0000000000
0000000000	0000000000	0000000000	0000000000	0000000000
0000000000	0000000000	0000000000	0000000000	0000000000
0000000000	0000000000	0000000000	0000000000	0000000000
0000000000	0000000000	0000000000	0000000000	0000000000

FULL LOAD	LIGHT LOAD
0000000000	0000000000
0000000000	0000000000
0000000000	0000000000
0000000000	0000000000
0000000000	0000000000



MANUFACTURER TYPE METER NUMBER BILL DATE FULL LOAD LIGHT LOAD REACTOR

Table with columns: MANUFACTURER, TYPE, METER NUMBER, BILL DATE, FULL LOAD, LIGHT LOAD, REACTOR. The table contains multiple rows of data, which appear to be corrupted or very faintly printed, making the individual values illegible.











01/08/2011  
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01/08/2011 09:48:00  
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CANADIAN ELECTRIC COMPANY  
SUBMITTER (MSB)  
NEW METERS ADDED LAST YEAR

FULL LOAD LIGHT LOAD PROTOTOR

TYPE METER NUMBER

Table with multiple columns containing alphanumeric data, including meter numbers, load types, and manufacturer information.



LOUISVILLE GAS & ELECTRIC COMPANY  
METER NUMBER  
METER TYPE  
METER NUMBER  
METER NUMBER

01/26/2002  
PAGE: 106

MANUFACTURER TYPE METER NUMBER TUB DATE FULL LOAD LIGHT LOAD PFACITOR

MANUFACTURER	TYPE	METER NUMBER	TUB DATE	FULL LOAD	LIGHT LOAD	PFACITOR
1						
2						
3						
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10						
11						
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PAGE 103  
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GEORGE W. WILSON COMPANY  
ELECTRIC COMPANY  
200 W. 10TH ST. S.W.  
MINNEAPOLIS, MINN. 55401  
PHONE 332-1100

000000

PULL LOAD LIGHT LOAD

MANUFACTURER

METER NUMBER

TYPE OF

WALLTOR

Table with multiple rows of data, including numerical values and alphanumeric codes, organized into columns corresponding to the headers above.



01/05/2000  
09:10:00  
P.

GENERAL INFORMATION  
DATE: 01/05/2000  
TIME: 09:10:00  
FROM: [REDACTED]  
TO: [REDACTED]  
SUBJECT: [REDACTED]

01/05/2000  
09:10:00  
P.

DATE: 01/05/2000  
TIME: 09:10:00  
FROM: [REDACTED]  
TO: [REDACTED]  
SUBJECT: [REDACTED]

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09:10:00  
P.

01/05/2000  
09:10:00  
P.

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

01/29/2002  
PAGE: 111

UAS ELECTRIC COMPANY  
SUBM: 12837  
ADDRESS: 4000 LAST YEAR

11/29/2001

UAS ELECTRIC COMPANY  
SUBM: 12837  
ADDRESS: 4000 LAST YEAR

UAS ELECTRIC COMPANY  
SUBM: 12837  
ADDRESS: 4000 LAST YEAR

UAS ELECTRIC COMPANY  
SUBM: 12837  
ADDRESS: 4000 LAST YEAR

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UAS ELECTRIC COMPANY  
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ADDRESS: 4000 LAST YEAR

UAS ELECTRIC COMPANY  
SUBM: 12837  
ADDRESS: 4000 LAST YEAR

01/28/2009  
 11:04:34  
 SAGE

LOUISVILLE GAS & ELECTRIC COMPANY  
 CREDIT ADVISORY  
 SUGGESTION FOR  
 NEW METER ADDED LAST YEAR

DATE LOAD LIGHT LOAD FACTOR

01/28/2009 11:04:34 SAGE

01/28/2009 11:04:34 SAGE

01/28/2009 11:04:34 SAGE

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01/26/2009  
PAGE 100

UNITED STATES  
DEPARTMENT OF  
ENERGY  
OFFICE OF  
ENERGY EFFICIENCY  
AND RENEWABLE ENERGY

REACTOR  
LIGHT LOAD  
FULL LOAD  
COLD  
HOT  
WARM  
COLD  
HOT  
WARM  
COLD  
HOT  
WARM  
COLD  
HOT  
WARM

UNITED STATES DEPARTMENT OF ENERGY  
OFFICE OF ENERGY EFFICIENCY AND RENEWABLE ENERGY  
REACTOR LIGHT LOAD FULL LOAD COLD HOT WARM COLD HOT WARM COLD HOT WARM

UNITED STATES DEPARTMENT OF ENERGY  
OFFICE OF ENERGY EFFICIENCY AND RENEWABLE ENERGY  
REACTOR LIGHT LOAD FULL LOAD COLD HOT WARM COLD HOT WARM COLD HOT WARM

UNITED STATES DEPARTMENT OF ENERGY  
OFFICE OF ENERGY EFFICIENCY AND RENEWABLE ENERGY  
REACTOR LIGHT LOAD FULL LOAD COLD HOT WARM COLD HOT WARM COLD HOT WARM

UNITED STATES DEPARTMENT OF ENERGY  
OFFICE OF ENERGY EFFICIENCY AND RENEWABLE ENERGY  
REACTOR LIGHT LOAD FULL LOAD COLD HOT WARM COLD HOT WARM COLD HOT WARM

UNITED STATES DEPARTMENT OF ENERGY  
OFFICE OF ENERGY EFFICIENCY AND RENEWABLE ENERGY  
REACTOR LIGHT LOAD FULL LOAD COLD HOT WARM COLD HOT WARM COLD HOT WARM

UNITED STATES DEPARTMENT OF ENERGY  
OFFICE OF ENERGY EFFICIENCY AND RENEWABLE ENERGY  
REACTOR LIGHT LOAD FULL LOAD COLD HOT WARM COLD HOT WARM COLD HOT WARM

UNITED STATES DEPARTMENT OF ENERGY  
OFFICE OF ENERGY EFFICIENCY AND RENEWABLE ENERGY  
REACTOR LIGHT LOAD FULL LOAD COLD HOT WARM COLD HOT WARM COLD HOT WARM

UNITED STATES DEPARTMENT OF ENERGY  
OFFICE OF ENERGY EFFICIENCY AND RENEWABLE ENERGY  
REACTOR LIGHT LOAD FULL LOAD COLD HOT WARM COLD HOT WARM COLD HOT WARM



























LOUISIANA GAS & ELECTRIC COMPANY  
SUBJECT: WATER METER  
METER NUMBER  
NEW METERS ADDED LAST YEAR

CINSTRADA

MANUFACTURER      TYPE      METER NUMBER      TEST DATE      FULL LOAD      LIGHT LOAD      REFLECTOR

MANUFACTURER	TYPE	METER NUMBER	TEST DATE	FULL LOAD	LIGHT LOAD	REFLECTOR













ATTACHMENT  
B

Sampling Test Results

**LG&E**  
**2007 SAMPLE**  
**ELECTRIC METER SUMMARY**

**SAMPLE**

In-Service Population	375,081	Divided into 51 Lots
Sample Quantity	3,331	
Meters Tested	3,331	
Meters Not Tested	0	
Failed Lots	1	J2
Failed Lot Meters	559	

GROUP NAME	METER TYPE	IN-SERVICE POPULATION	SAMPLE QUANTITY	METERS TESTED	PASSED/ FAILED
ABI	G	282	20	20	PASS

ANALYZED TEST RESULTS PER ANSI/ASQC Z1.9-1993  
 DOUBLE SPECIFICATION LIMIT - VARIABILITY UNKNOWN - STANDARD DEVIATION METHOD  
 ONE AQL VALUE FOR BOTH UPPER AND LOWER SPECIFICATION LIMIT COMBINED  
 AQL = 2.5% - INSPECTION LEVEL II - NORMAL INSPECTION

*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
725059	J	100.2	100.0	725108	J	100.1	725110	J	99.9
725136	J	100.2	99.3	725166	J	99.9	725173	J	100.3
725208	J	100.3	100.3	725229	J	100.6	725236	J	100.1
725320	J	100.0	100.4	725333	J	100.1	725346	J	100.2

INFORMATION NEEDED

VALUE OBTAINED

Sample Size: n 20  
 Sum of Measurements: Sum(X) 2,002.1  
 Sum of Squared Measurements: Sum(X \*\* 2.0) 200,421.71  
 Correction Factor(CF): ((Sum(X) \*\* 2.0) / n ) 200,420.22  
 Corrected Sum of Squares(SS): Sum(X \*\* 2.0) - CF 1.49  
 Variance(V): SS / (n-1) 0.0784  
 Estimate of Lot Standard Deviation s: (V \*\* 0.5) 0.2800  
 Sample Mean X Bar: Sum(X) / n 100.10  
 Upper Specification Limit: U 102.00  
 Lower Specification Limit: L 98.00  
 Quality Index(Qu): (U - Xbar) / s 6.79  
 Quality Index(Ql): (Xbar - L) / s 7.50  
 Estimate of Lot Percent Ncf. Above U: PU 0.00%  
 Estimate of Lot Percent Ncf. Below L: PL 0.00%  
 Total Estimate Percent Ncf. in Lot: P = PU + PL 0.00%  
 Maximum Allowable Percent Ncf.: M 6.18%  
 Acceptability Criterion: (PU + PL) <= M PASS

\*\*\*\*\* DEVICES SELECTED BUT NOT TESTED \*\*\*\*\*  
 DEVICE# "NO TEST" CODE COMMENTS

LOUISVILLE GAS & ELECTRIC COMPANY  
IN-SERVICE POPULATION 1,588  
METERS TESTED 50  
SAMPLE QUANTITY 50  
PASSED/FAILED/PASS

ANALYZED TEST RESULTS PER ANSI/ASQC Z1.9-1993  
DOUBLE SPECIFICATION LIMIT - VARIABILITY UNKNOWN - STANDARD DEVIATION METHOD  
ONE AQL VALUE FOR BOTH UPPER AND LOWER SPECIFICATION LIMIT COMBINED  
AQL = 2.5% - INSPECTION LEVEL II - NORMAL INSPECTION

DEVIATION METHOD	TEST ACCURACY	DATA	TEST ACCURACY	DATA	TEST ACCURACY	DATA	TEST ACCURACY	DATA
I	100.1	798870	I	100.1	798863	I	100.1	798859
I	100.1	798940	I	100.1	798932	I	100.1	798917
I	100.2	799029	R	100.2	799022	I	100.1	799004
I	100.2	799276	I	100.1	799152	I	100.0	799109
I	100.2	799359	I	100.2	799316	I	100.2	799300
I	100.1	799491	I	100.1	799449	J	100.1	799435
I	100.1	799705	I	100.1	799605	I	100.1	799594
I	100.1	808891	I	100.2	808829	I	100.3	808807
I	100.1	809170	S	99.9	809053	I	100.0	808935
I	100.0	809413	I	100.1	809308	I	100.1	809295

INFORMATION NEEDED

Sample Size: n 50  
Sum of Measurements: Sum(X) 5,005.7  
Sum of Squared Measurements: Sum(X \*\* 2.0) 501,140.91  
Correction Factor(CF): ((Sum(X) \*\* 2.0) / n ) 501,140.65  
Corrected Sum of Squares (SS): Sum(X \*\* 2.0) - CF 0.26  
Variance (V): SS / (n-1) 0.0053  
Estimate of Lot Standard Deviation s: (V \*\* 0.5) 0.0728  
Sample Mean X Bar: Sum(X) / n 100.11  
Upper Specification Limit: U 102.00  
Lower Specification Limit: L 98.00  
Quality Index (Qu): (U - Xbar) / s 25.96  
Quality Index (Ql): (Xbar - L) / s 28.98  
Estimate of Lot Percent Ncf. Above U: PU 0.00%  
Estimate of Lot Percent Ncf. Below L: PL 0.00%  
Total Estimate Percent Ncf. In Lot: P = PU + PL 0.00%  
Maximum Allowable Percent Ncf.: M 5.21%  
Acceptability Criterion: (PU + PL) <= M PASS

\*\*\*\*\* DEVICES SELECTED BUT NOT TESTED \*\*\*\*\*

DEVICE# "NO TEST" CODE COMMENTS

GROUP NAME	METER TYPE	IN-SERVICE POPULATION	SAMPLE QUANTITY	METERS TESTED	PASSED/FAILED
D4	G	10,000	75	75	PASS

ANALYZED TEST RESULTS PER ANSI/ASQC Z1.9-1993  
 DOUBLE SPECIFICATION LIMIT - VARIABILITY UNKNOWN - STANDARD DEVIATION METHOD  
 ONE AQL VALUE FOR BOTH UPPER AND LOWER SPECIFICATION LIMIT COMBINED  
 AQL = 2.5% - INSPECTION LEVEL II - NORMAL INSPECTION

DEVIATION	TEST METHOD	TEST ACCURACY	DATA	TEST ACCURACY	DATA
I	99.7	367086	367504	100.0	I
I	100.1	372557	376166	99.9	I
I	100.3	381502	381960	99.8	I
I	100.1	389075	391093	99.9	I
J	99.5	392001	392006	99.0	I
I	101.4	396070	396078	100.2	I
J	100.0	400906	401018	100.2	I
J	99.5	401343	401441	99.3	I
I	100.2	405917	410043	100.1	I
I	100.1	410464	410539	99.6	I
I	99.5	410993	414960	100.1	I
I	99.8	420010	420375	99.9	J
I	100.2	431697	431883	100.7	S
J	100.4	440533	440607	99.9	I
J	100.3	441693	443548	100.7	S
I	99.8	372251	371794	100.1	I
I	99.9	376821	376484	100.0	I
I	100.3	386426	382076	100.6	I
I	99.8	391609	391213	99.7	I
I	100.0	395832	395740	99.4	I
I	99.4	400740	400522	100.0	I
I	100.0	401284	401023	99.7	I
I	99.6	405676	404217	100.6	J
I	99.8	410314	410286	100.5	J
I	99.6	410832	410638	99.6	I
I	100.3	419855	415621	99.2	J
I	100.1	431643	425278	100.3	I
I	99.7	440458	437026	100.0	I
I	99.9	441281	441147	99.6	I
I	100.1	448878	446591	100.4	I

INFORMATION NEEDED

Sample Size: n  
 Sum of Measurements: Sum(X)  
 Sum of Squared Measurements: Sum(X \*\* 2.0)  
 Correction Factor(CF): ((Sum(X) \*\* 2.0) / n)  
 Corrected Sum of Squares(SS): Sum(X \*\* 2.0) - CF  
 Variance(V): SS / (n-1)  
 Estimate of Lot Standard Deviation s: (V \*\* 0.5)  
 Sample Mean X Bar: Sum(X) / n  
 Upper Specification Limit: U  
 Lower Specification Limit: L  
 Quality Index(Qi): (U - Xbar) / s  
 Quality Index(Ql): (Xbar - L) / s  
 Estimate of Lot Percent Ncf. Above U: PU  
 Estimate of Lot Percent Ncf. Below L: PL  
 Total Estimate Percent Ncf. In Lot: P = PU + PL  
 Maximum Allowable Percent Ncf.: M  
 Acceptability Criterion: (PU + PL) <= M

\*\*\*\*\* DEVICES SELECTED BUT NOT TESTED \*\*\*\*\*  
 DEVICE# "NO TEST" CODE

VALUE OBTAINED  
 75  
 7,498.1  
 749,631.69  
 749,620.05  
 11.64  
 0.1573  
 0.3966  
 99.97  
 102.00  
 98.00  
 5.12  
 4.97  
 0.00%  
 0.00%  
 0.00%  
 4.83%  
 PASS

GROUP NAME	METER TYPE	IN-SERVICE POPULATION	SAMPLE QUANTITY	METERS TESTED	PASSED/ FAILED
I50	D	1,823	50	50	PASS

ANALYZED TEST RESULTS PER ANSI/ASQC Z1.9-1993  
 DOUBLE SPECIFICATION LIMIT - VARIABILITY UNKNOWN - STANDARD DEVIATION METHOD  
 ONE AQL VALUE FOR BOTH UPPER AND LOWER SPECIFICATION LIMIT COMBINED  
 AQL = 2.5% - INSPECTION LEVEL II - NORMAL INSPECTION

DEVIANCE	NUMBER	AND FULL LOAD TEST ACCURACY DATA	*****	*****	*****	*****	*****	*****
182503	J	100.0	182781	J	99.8	185650	J	98.9
198346	J	101.0	198745	J	100.2	199708	J	100.0
205200	J	100.2	205384	J	101.3	208140	J	100.1
211293	J	100.1	212330	J	100.7	213803	J	100.0
217105	J	100.2	217248	J	100.4	218082	J	100.4
219271	J	100.2	219907	J	99.8	220961	J	100.0
223789	J	100.1	223953	J	100.1	224050	J	100.2
224924	J	99.8	225254	J	100.1	228471	J	99.8
231548	J	100.2	231922	J	100.4	232617	J	100.2
234903	J	100.3	234991	J	100.5	235767	J	100.1
198303	J	100.1	196383	J	100.1	196383	J	100.1
204672	J	100.6	204504	J	100.6	204504	J	100.6
209072	J	100.2	208165	J	100.2	208165	J	100.2
216497	J	100.1	213940	J	100.1	213940	J	100.1
218776	J	100.4	218239	J	100.3	218239	J	100.3
223485	J	100.5	223240	J	100.2	223240	J	100.2
224576	J	100.0	224191	J	100.0	224191	J	100.0
230725	J	100.3	228546	J	99.9	228546	J	99.9
234190	J	100.0	233931	J	100.3	233931	J	100.3
237368	J	100.1	236128	J	100.1	236128	J	100.1

INFORMATION NEEDED

VALUE OBTAINED

Sample Size: n 50  
 Sum of Measurements: Sum(X) 5,009.2  
 Sum of Squared Measurements: Sum(X \*\* 2.0) 501,841.34  
 Correction Factor(CF): ((Sum(X) \*\* 2.0) / n) 501,841.69  
 Variance(V): SS / (n-1) 5.65  
 Estimate of Lot Standard Deviation s: (V \*\* 0.5) 0.1153  
 Sample Mean X Bar: Sum(X) / n 100.18  
 Upper Specification Limit: U 102.00  
 Lower Specification Limit: L 98.00  
 Quality Index(Qi): (U - Xbar) / s 6.42  
 Quality Index(Ql): (Xbar - L) / s 0.00%  
 Estimate of Lot Percent Ncf. Above U: PU 0.00%  
 Estimate of Lot Percent Ncf. Below L: PL 0.00%  
 Total Estimate Percent Ncf. In Lot: P = PU + PL 5.21%  
 Maximum Allowable Percent Ncf.: M PASS  
 Acceptability Criterion: (PU + PL) <= M

\*\*\*\*\* DEVICES SELECTED BUT NOT TESTED \*\*\*\*\*  
 DEVICE# "NO TEST" CODE COMMENTS

GROUP NAME	METER TYPE	IN-SERVICE POPULATION	SAMPLE QUANTITY	METERS TESTED	PASSED/ FAILED
I60	D	10,000	75	75	PASS

ANALYZED TEST RESULTS PER ANSI/ASQC Z1.9-1993  
DOUBLE SPECIFICATION LIMIT - VARIABILITY UNKNOWN - STANDARD DEVIATION METHOD  
ONE AQL VALUE FOR BOTH UPPER AND LOWER SPECIFICATION LIMIT COMBINED  
AQL = 2.5% - INSPECTION LEVEL II - NORMAL INSPECTION

DEVIATION	TEST	ACCURACY	DATA	TESTED	PASSED/ FAILED
275373	99.7	100.2	279178	279219	J
281029	100.5	100.0	281247	281786	J
285141	100.6	100.1	285929	286007	J
292236	100.2	100.1	292346	292826	J
294702	100.2	100.1	294801	294949	J
298135	100.1	100.3	298300	298489	J
298806	100.1	99.8	299577	299621	J
299876	100.3	99.7	299816	300164	J
303897	99.6	99.9	304043	304236	J
304641	99.6	99.6	307053	307203	J
307569	99.7	99.9	307759	311423	J
312317	99.7	100.1	312634	312981	J
313356	99.9	100.3	313418	313495	J
313715	100.0	99.7	313716	313975	J
317268	99.8	100.5	317457	317596	J

INFORMATION NEEDED

VALUE OBTAINED

Sample Size: n 75  
 Sum of Measurements: Sum(X) 7,498.9  
 Sum of Squared Measurements: Sum(X \*\* 2.0) 749,787.49  
 Correction Factor(CF): ( Sum(X) \*\* 2.0) / n 749,780.02  
 Corrected Sum of Squares(SS): Sum(X \*\* 2.0) - CF 7.47  
 Variance(V): SS / (n-1) 0.1009  
 Estimate of Lot Standard Deviation s: (V \*\* 0.5) 0.3176  
 Sample Mean X Bar: Sum(X) / n 99.98  
 Upper Specification Limit: U 102.00  
 Lower Specification Limit: L 98.00  
 Quality Index(Qi): (U - Xbar) / s 6.36  
 Quality Index(Ql): (Xbar - L) / s 6.23  
 Estimate of Lot Percent Ncf. Above U: PU 0.00%  
 Estimate of Lot Percent Ncf. Below L: PL 0.00%  
 Total Estimate Percent Ncf. In Lot: P = PU + PL 0.00%  
 Maximum Allowable Percent Ncf.: M 4.83%  
 Acceptability Criterion: (PU + PL) <= M PASS

\*\*\*\*\* DEVICES SELECTED BUT NOT TESTED \*\*\*\*\*  
 DEVICE# "NO TEST" CODE COMMENTS

GROUP NAME	METER TYPE	IN-SERVICE POPULATION	SAMPLE QUANTITY	METERS TESTED	PASSED/ FAILED PASS
I70	D	10,000	75	75	

ANALYZED TEST RESULTS PER ANSI/ASQC Z1.9-1993  
 DOUBLE SPECIFICATION LIMIT - VARIABILITY UNKNOWN - STANDARD DEVIATION METHOD  
 ONE AQL VALUE FOR BOTH UPPER AND LOWER SPECIFICATION LIMIT COMBINED  
 AQL = 2.5% - INSPECTION LEVEL II - NORMAL INSPECTION

DEVIATION	TEST	ACCURACY	DATA	TEST	ACCURACY	DATA	TEST	ACCURACY	DATA
I	100.2	S	361633	I	100.0	361699	I	100.3	362038
I	99.9	I	363479	I	100.1	363500	I	100.2	363818
I	100.2	I	363851	I	100.3	363936	I	100.3	364224
I	100.2	I	365972	I	100.1	365998	I	100.3	366312
I	99.9	I	368312	I	99.6	368985	I	99.8	370824
I	100.4	I	371226	J	100.0	371271	I	100.2	372856
I	100.1	I	373048	I	100.0	373341	I	100.1	375364
I	100.4	I	375548	I	100.5	375743	I	100.4	375978
I	100.6	I	377952	I	100.6	380529	I	99.5	380995
I	100.4	I	381210	I	100.9	381262	I	100.5	382348
I	100.0	I	382879	I	100.5	383247	I	100.2	384923
I	100.2	I	385514	I	100.5	385537	I	100.4	385597
I	100.0	I	387181	I	100.5	385537	I	100.1	385640
I	100.1	I	387878	I	100.4	387183	I	100.5	387592
I	100.2	I	390784	I	100.3	390664	I	100.3	390724
I	100.2	I	390784	I	100.2	390890	I	100.3	390925
I	100.2	I	390784	I	100.2	390890	I	100.3	390925

INFORMATION NEEDED

VALUE OBTAINED

Sample Size: n  
 Sum of Measurements: Sum(X)  
 Sum of Squared Measurements: Sum(X \*\* 2.0)  
 Correction Factor(CF): (Sum(X) \*\* 2.0) / n )  
 Corrected Sum of Squares(SS): Sum(X \*\* 2.0) - CF  
 Variance(V): SS / (n-1)  
 Estimate of Lot Standard Deviation s: (V \*\* 0.5)  
 Sample Mean X Bar: Sum(X) / n  
 Upper Specification Limit: U  
 Lower Specification Limit: L  
 Quality Index(Qi): (Xbar - L) / s  
 Quality Index(Qj): (U - Xbar) / s  
 Estimate of Lot Percent Ncf. Above U: PU  
 Estimate of Lot Percent Ncf. Below L: PL  
 Total Estimate Percent Ncf. In Lot: P = PU + PL  
 Maximum Allowable Percent Ncf.: M  
 Acceptability Criterion: (PU + PL) <= M

\*\*\*\*\*  
 DEVICE# "NO TEST" CODE  
 \*\*\*\*\*  
 DEVICES SELECTED BUT NOT TESTED  
 COMMENTS  
 \*\*\*\*\*



LOUISVILLE GAS & ELECTRIC COMPANY  
2007 SAMPLE TEST PROGRAM (JANUARY 1, 2007 TO DECEMBER 31, 2007)

GROUP NAME	METER TYPE	IN-SERVICE POPULATION	SAMPLE QUANTITY	METERS TESTED	PASSED/ FAILED/ PASS
I70 - 3	D	10,000	75	75	PASS

ANALYZED TEST RESULTS PER ANSI/ASQC Z1.9-1993  
DOUBLE SPECIFICATION LIMIT - VARIABILITY UNKNOWN - STANDARD DEVIATION METHOD  
ONE AQL VALUE FOR BOTH UPPER AND LOWER SPECIFICATION LIMIT COMBINED  
AQL = 2.5% - INSPECTION LEVEL II - NORMAL INSPECTION

DEVIATION	TEST METHOD	ACCURACY	DATA	TESTED	PASSED/ FAILED/ PASS
100.3	I	100.1	421359	421605	S
100.1	I	99.9	424145	424522	I
100.3	I	100.2	429027	429264	I
100.1	I	100.1	429545	429653	I
99.9	I	100.2	431977	432113	I
100.2	I	100.0	432424	432475	I
100.2	I	100.6	435954	436317	I
100.2	I	100.1	437911	441396	I
100.2	I	100.2	442726	442887	I
100.2	I	100.1	445013	445540	I
99.9	S	100.1	448315	448369	I
99.6	I	100.1	449246	448355	I
99.9	I	99.9	451480	449268	I
100.2	I	100.3	455414	451537	I
100.0	I	100.1	456096	455554	I
				456148	R

INFORMATION NEEDED VALUE OBTAINED

Sample Size: n	75
Sum of Measurements: Sum(X)	7,504.3
Sum of Squared Measurements: Sum(X ** 2.0)	750,882.51
Correction Factor(CF): ((Sum(X) ** 2.0) / n)	750,860.25
Corrected Sum of Squares(SS): Sum(X ** 2.0) - CF	22.26
Variance(V): SS / (n-1)	0.3008
Estimate of Lot Standard Deviation s: (V ** 0.5)	0.5485
Sample Mean X Bar: Sum(X) / n	100.05
Upper Specification Limit: U	102.00
Lower Specification Limit: L	98.00
Quality Index(Qu): (U - Xbar) / s	3.56
Quality Index(Ql): (Xbar - L) / s	3.74
Estimate of Lot Percent Ncf. Above U: PU	0.01%
Estimate of Lot Percent Ncf. Below L: PL	0.00%
Total Estimate Percent Ncf. In Lot: P = PU + PL	0.01%
Maximum Allowable Percent Ncf.: M	4.83%
Acceptability Criterion: (PU + PL) <= M	PASS

\*\*\*\*\* DEVICES SELECTED BUT NOT TESTED \*\*\*\*\*  
DEVICE# "NO TEST" CODE COMMENTS

GROUP NAME	METER TYPE	IN-SERVICE POPULATION	SAMPLE QUANTITY	METERS TESTED	PASSED/ FAILED
I70 - 5	D	10,000	75	75	PASS

ANALYZED TEST RESULTS PER ANSI/ASQC Z1.9-1993  
 DOUBLE SPECIFICATION LIMIT - VARIABILITY UNKNOWN - STANDARD DEVIATION METHOD  
 ONE AQL VALUE FOR BOTH UPPER AND LOWER SPECIFICATION LIMIT COMBINED  
 AQL = 2.5% - INSPECTION LEVEL II - NORMAL INSPECTION

DEVIATION	TEST	ACCURACY	DATA	TEST	ACCURACY	DATA	TEST	ACCURACY	DATA
489629	I	99.9	489649	I	100.0	489714	I	100.2	489773
489916	I	100.0	489944	I	100.0	489950	I	99.9	490062
493238	I	100.0	493273	I	100.1	493293	I	100.2	493441
493587	I	99.8	494018	I	100.2	495450	I	100.0	495501
498510	J	100.0	498575	I	100.4	498824	I	100.3	499019
500166	I	100.2	500960	I	100.0	501458	J	100.3	501555
501830	S	100.1	501948	I	100.0	506268	J	99.9	506270
506426	I	100.0	506494	I	99.8	506709	I	99.9	506800
509884	I	99.8	510107	I	99.9	510147	I	99.6	510394
510454	I	99.9	510983	I	100.0	511251	I	99.9	511608
511713	I	99.9	511836	I	100.4	511876	I	100.3	512041
515909	I	100.1	516213	I	100.2	516250	I	100.1	516511
522342	I	100.0	522371	I	100.3	522501	J	99.8	522692
522756	S	100.2	522787	I	100.1	522804	I	100.4	522892
523973	I	100.5	524147	I	100.0	524382	I	100.5	524387

INFORMATION NEEDED

Sample Size: n  
 Sum of Squared Measurements: Sum(X)  
 Correction Factor(CF): (Sum(X) \*\* 2.0) / n  
 Corrected Sum of Squares(SS): Sum(X \*\* 2.0) - CF  
 Variance(V): SS / (n-1)  
 Estimate of Lot Standard Deviation s: (V \*\* 0.5)  
 Sample Mean X Bar: Sum(X) / n  
 Upper Specification Limit: U  
 Lower Specification Limit: L  
 Quality Index(Qu): (U - Xbar) / s  
 Quality Index(Ql): (Xbar - L) / s  
 Estimate of Lot Percent Ncf. Above U: PU  
 Estimate of Lot Percent Ncf. Below L: PL  
 Total Estimate Percent Ncf. In Lot: P = PU + PL  
 Maximum Allowable Percent Ncf.: M  
 Acceptability Criterion: (PU + PL) <= M

\*\*\*\*\* DEVICES SELECTED BUT NOT TESTED \*\*\*\*\*  
 DEVICE# "NO TEST" CODE COMMENTS

VALUE OBTAINED

75  
 7,505.5  
 751,104.21  
 751,100.40  
 3.81  
 0.0515  
 0.2269  
 100.07  
 102.00  
 98.00  
 8.51  
 9.12  
 0.00%  
 0.00%  
 0.00%  
 4.83%  
 PASS

GROUP NAME	METER TYPE	IN-SERVICE POPULATION	SAMPLE QUANTITY	METERS TESTED	PASSED/ FAILED
I70 - 7	D	10,000	75	75	PASS

ANALYZED TEST RESULTS PER ANSI/ASQC Z1.9-1993  
 DOUBLE SPECIFICATION LIMIT - VARIABILITY UNKNOWN - STANDARD DEVIATION METHOD  
 ONE AQL VALUE FOR BOTH UPPER AND LOWER SPECIFICATION LIMIT COMBINED  
 AQL = 2.5% - INSPECTION LEVEL II - NORMAL INSPECTION

DEVIATION	TEST METHOD	DEVIATION	TEST METHOD	DEVIATION	TEST METHOD	DEVIATION	TEST METHOD
100.0	I	100.0	I	100.0	I	100.0	I
100.0	R	100.2	I	100.2	I	100.8	I
100.0	S	100.0	I	99.9	I	99.8	I
100.0	S	100.3	I	100.2	I	100.3	I
100.4	S	100.3	I	99.9	I	100.1	I
100.4	S	100.3	I	100.6	I	100.4	I
100.4	S	99.9	I	99.9	I	99.8	I
100.1	I	100.1	I	100.2	I	100.4	I
100.0	I	100.2	S	100.1	I	99.9	I
100.0	I	100.2	I	100.0	I	100.0	I
100.0	I	100.2	I	100.0	I	99.9	I
99.9	I	99.9	I	99.7	I	99.8	I
100.1	I	583140	I	100.6	I	100.0	I
583663	I	583763	I	100.3	I	99.9	I
591980	I	592016	I	100.0	I	100.2	I
592760	I	592823	I	100.3	I	100.2	I
593118	I	593147	I	100.0	I	100.4	I

INFORMATION NEEDED

Sample Size: n  
 Sum of Measurements: Sum(X)  
 Sum of Squared Measurements: Sum(X \*\* 2.0)  
 Correction Factor(CF): ( Sum(X) \*\* 2.0) / n )  
 Corrected Sum of Squares(SS): Sum(X \*\* 2.0) - CF  
 Variance(V): SS / (n-1)  
 Estimate of Lot Standard Deviation s: (V \*\* 0.5)  
 Sample Mean X Bar: Sum(X) / n  
 Upper Specification Limit: U  
 Lower Specification Limit: L  
 Quality Index(Qi): (U - Xbar) / s  
 Quality Index(Ql): (Xbar - L) / s  
 Estimate of Lot Percent Ncf. Above U: PU  
 Estimate of Lot Percent Ncf. Below L: PL  
 Total Estimate Percent Ncf. In Lot: P = PU + PL  
 Maximum Allowable Percent Ncf.: M  
 Acceptability Criterion: (PU + PL) <= M

\*\*\*\*\* DEVICES SELECTED BUT NOT TESTED \*\*\*\*\*  
 DEVICE# "NO TEST" CODE COMMENTS

VALUE OBTAINED

75  
 7,507.9  
 751,583.35  
 751,580.83  
 2.52  
 0.0341  
 0.1847  
 100.10  
 102.00  
 98.00  
 10.29  
 11.37  
 0.00%  
 0.00%  
 0.00%  
 4.83%  
 PASS

LOUISVILLE GAS & ELECTRIC COMPANY

GROUP NAME	METER TYPE	IN-SERVICE POPULATION	SAMPLE QUANTITY	METERS TESTED	PASSED/ FAILED
I70 - 9	D	10,000	75	75	PASS

ANALYZED TEST RESULTS PER ANSI/ASQC Z1.9-1993  
 DOUBLE SPECIFICATION LIMIT - VARIABILITY UNKNOWN - STANDARD DEVIATION METHOD  
 ONE AQL VALUE FOR BOTH UPPER AND LOWER SPECIFICATION LIMIT COMBINED  
 AQL = 2.5% - INSPECTION LEVEL II - NORMAL INSPECTION

*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
I	99.7	628718	DEVI	NUMBER	AND	FULL	LOAD	TEST	ACCURACY	DATA	*****	*****	*****	*****
I	99.7	628718	I	99.8	628785	628831	I	100.1	100.2	628938	S	100.2	100.3	100.3
I	100.1	629382	S	100.0	629521	629749	I	100.3	100.2	629818	I	100.2	100.2	100.2
I	100.2	630236	I	100.2	630254	630386	I	100.4	100.0	630404	I	100.0	100.3	100.3
I	100.2	630916	I	100.2	631046	631080	I	100.3	100.2	631151	I	100.2	100.2	100.2
I	100.6	631670	I	100.3	631740	631781	I	100.2	100.2	631846	I	100.2	100.1	100.1
I	100.3	631983	I	99.0	632003	632003	I	100.4	100.1	632003	I	100.1	100.2	100.2
I	100.0	640181	I	100.1	640548	640548	I	100.0	100.0	640767	I	100.0	99.8	99.8
I	100.2	640974	I	100.1	641350	641350	I	100.1	100.3	641616	I	100.3	100.0	100.3
I	100.0	641840	I	100.4	641874	641888	I	100.5	100.3	641963	I	100.3	100.0	100.0
I	100.0	642429	I	100.1	642469	642565	I	100.0	99.8	642936	I	99.8	100.0	100.0
I	100.1	643252	I	99.9	643366	643531	I	99.9	100.1	643559	I	100.1	100.1	100.1
I	99.9	643728	I	99.8	643763	643879	I	100.1	100.1	644044	I	100.1	100.1	100.1
I	100.0	644218	I	100.2	644405	644459	I	100.1	100.1	644882	I	100.1	100.1	100.1
I	100.2	654317	I	100.3	654514	654514	I	100.2	100.4	654635	I	100.4	100.4	100.4
I	100.2	654669	I	100.0	654703	654860	I	100.2	99.9	655200	I	99.9	100.4	100.1

INFORMATION NEEDED

VALUE OBTAINED

Sample Size: n  
 Sum of Measurements: Sum(X)  
 Sum of Squared Measurements:  $Sum(X^2) - (Sum(X))^2 / n$   
 Correction Factor(CF):  $(Sum(X))^2 / n$   
 Corrected Sum of Squares(SS):  $Sum(X^2) - CF$   
 Variance(V):  $SS / (n-1)$   
 Estimate of Lot Standard Deviation s:  $(V ** 0.5)$   
 Sample Mean X Bar:  $Sum(X) / n$   
 Upper Specification Limit: U  
 Lower Specification Limit: L  
 Quality Index(Qi):  $(U - Xbar) / s$   
 Quality Index(Qj):  $(Xbar - L) / s$   
 Estimate of Lot Percent Ncf. Above U: PU  
 Estimate of Lot Percent Ncf. Below L: PL  
 Total Estimate of Lot Percent Ncf. In Lot: P = PU + PL  
 Maximum Allowable Percent Ncf.: M  
 Acceptability Criterion: (PU + PL) <= M

75  
 7,509.0  
 751,804.54  
 751,801.08  
 3.46  
 0.0468  
 0.2163  
 100.12  
 102.00  
 98.00  
 8.69  
 9.80  
 0.00%  
 0.00%  
 0.00%  
 4.83%  
 PASS

\*\*\*\*\* DEVICES SELECTED BUT NOT TESTED \*\*\*\*\*  
 DEVICE# "NO TEST" CODE

GROUP NAME	METER TYPE	IN-SERVICE POPULATION	SAMPLE QUANTITY	METERS TESTED	PASSED/ FAILED
I70 - 11	D	896	35	35	PASS

ANALYZED TEST RESULTS PER ANSI/ASQC Z1.9-1993  
 DOUBLE SPECIFICATION LIMIT - VARIABILITY UNKNOWN - STANDARD DEVIATION METHOD  
 ONE AQL VALUE FOR BOTH UPPER AND LOWER SPECIFICATION LIMIT COMBINED  
 AQL = 2.5% - INSPECTION LEVEL II - NORMAL INSPECTION

DEVI	NUM	AND	FULL	LOAD	TEST	ACCURACY	DATA	*****
691374	I	100.1	691381	I	100.0	691394	S	100.0
691498	I	100.0	691516	I	100.2	691582	I	100.2
691688	I	100.0	691727	S	100.2	691737	I	100.1
691776	I	99.9	691849	I	100.1	691896	I	100.1
691952	I	100.1	691971	S	100.1	691975	I	99.8
698398	I	99.9	698418	S	100.2	698454	S	100.1
698499	S	100.0	698548	S	99.9	698549	S	99.9

INFORMATION NEEDED VALUE OBTAINED

Sample Size: n	35
Sum of Measurements: Sum(X)	3,501.3
Sum of Squared Measurements: Sum(X ** 2.0)	350,260.67
Correction Factor(CF): ((Sum(X) ** 2.0) / n)	350,260.05
Variance(V): SS / (n-1)	0.62
Estimate of Lot Standard Deviation s: (V ** 0.5)	0.0182
Sample Mean X Bar: Sum(X) / n	0.1349
Upper Specification Limit: U	100.03
Lower Specification Limit: L	102.00
Quality Index(Qi): (U - Xbar) / s	98.00
Quality Index(Ql): (Xbar - L) / s	14.60
Estimate of Lot Percent Ncf: Above U: PU	15.05
Estimate of Lot Percent Ncf: Below L: PL	0.00%
Total Estimate Percent Ncf: In Lot: P = PU + PL	0.00%
Maximum Allowable Percent Ncf: M	5.58%
Acceptability Criterion: (PU + PL) <= M	PASS

\*\*\*\*\* DEVICES SELECTED BUT NOT TESTED \*\*\*\*\*  
 DEVICE# "NO TEST" CODE COMMENTS

DEVI	NUM	AND	FULL	LOAD	TEST	ACCURACY	DATA	*****
691422	I	100.0	691408	I	100.0	691422	I	100.0
691681	I	100.1	691670	I	100.2	691681	I	100.1
691774	I	100.2	691769	I	100.1	691774	I	100.2
691947	I	100.1	691909	I	100.1	691947	I	100.1
692020	I	99.8	691999	I	99.8	692020	I	100.1
698483	S	100.0	698470	S	100.1	698483	S	100.0
756812	S	99.9	702205	S	99.9	756812	S	99.9

GROUP NAME METER TYPE METER TYPE SAMPLE METERS PASSED/  
J2 F POPULATION QUANTITY TESTED FAILED  
559 35 35 FAIL

ANALYZED TEST RESULTS PER ANSI/ASQC Z1.9-1993  
DOUBLE SPECIFICATION LIMIT - VARIABILITY UNKNOWN - STANDARD DEVIATION METHOD  
ONE AQL VALUE FOR BOTH UPPER AND LOWER SPECIFICATION LIMIT COMBINED  
AQL = 2.5% - INSPECTION LEVEL II - NORMAL INSPECTION

*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
228938	J	99.5	255502	J	99.1	255576	J	99.7	255855	J	99.5	255967
258627	J	99.7	258730	J	99.5	261561	J	99.4	262552	J	99.6	262877
266929	J	99.6	267458	J	98.5	267543	J	99.9	267646	J	100.3	271928
272015	J	100.0	272567	J	99.4	272733	J	99.4	272755	J	99.4	273073
273086	J	100.2	273164	J	99.6	273174	J	100.4	273252	J	98.5	273362
273365	J	100.2	276998	J	99.8	277185	J	101.6	283541	J	99.9	287829
288116	J	100.5	289109	J	104.4	289856	J	99.7	293887	J	99.9	293931

INFORMATION NEEDED

VALUE OBTAINED

Sample Size: n 35  
 Sum of Measurements: Sum(X) 3,496.5  
 Sum of Squared Measurements: Sum(X \*\* 2.0) 349,339.33  
 Correction Factor(CF): ((Sum(X) \*\* 2.0) / n ) 349,300.35  
 Variance(V): SS / (n-1) 1.1465  
 Estimate of Lot Standard Deviation s: (V \*\* 0.5) 1.0707  
 Sample Mean X Bar: Sum(X) / n 99.90  
 Upper Specification Limit: U 102.00  
 Lower Specification Limit: L 98.00  
 Quality Index(Q1): (Xbar - L) / s 1.77  
 Estimate of Lot Percent Ncf: Above U: PU 2.25%  
 Estimate of Lot Percent Ncf: Below L: PL 3.59%  
 Total Estimate Percent Ncf: In Lot: P = PU + PL 5.84%  
 Maximum Allowable Percent Ncf: M 5.58%  
 Acceptability Criterion: (PU + PL) <= M FAIL

\*\*\*\*\* DEVICES SELECTED BUT NOT TESTED \*\*\*\*\*  
 DEVICE# "NO TEST" CODE COMMENTS

GROUP NAME	METER TYPE	IN-SERVICE POPULATION	SAMPLE QUANTITY	METERS TESTED	PASSED/ FAILED
J4	F	10,000	75	75	PASS

ANALYZED TEST RESULTS PER ANSI/ASQC Z1.9-1993  
 DOUBLE SPECIFICATION LIMIT - VARIABILITY UNKNOWN - STANDARD DEVIATION METHOD  
 ONE AQL VALUE FOR BOTH UPPER AND LOWER SPECIFICATION LIMIT COMBINED  
 AQL = 2.5% - INSPECTION LEVEL II - NORMAL INSPECTION

DEVIATION	TEST METHOD	TEST ACCURACY	DATA	ACCURACY	TEST	DEVIATION
388027	J	100.4	388515	100.1	J	99.8
393004	J	100.3	393767	100.0	J	100.6
397852	J	100.2	397869	100.3	J	100.5
403295	J	99.7	403359	100.4	J	100.1
408074	J	100.3	408588	100.4	J	100.3
412573	J	100.3	412689	100.3	J	100.1
417600	J	100.2	417749	100.0	J	99.4
422181	J	100.1	422356	100.3	J	99.9
427571	J	101.4	427597	100.7	J	100.0
427997	J	100.5	433195	100.0	J	100.0
438672	J	99.6	438766	100.4	J	100.1
439407	J	100.0	443453	100.8	J	99.5
447250	J	100.0	449756	100.3	J	100.1
456924	J	100.3	456945	99.9	J	99.7
460226	J	100.0	460482	100.0	J	99.5
						100.0
						470416
						470046
						457148
						453691
						446845
						439164
						433506
						427380
						422003
						417563
						412564
						407914
						402715
						397518
						393814
						388721
						38843

INFORMATION NEEDED

Sample Size: n  
 Sum of Squared Measurements: Sum(X)  
 Correction Factor(CF): (Sum(X) \*\* 2.0) / n  
 Corrected Sum of Squares(SS): Sum(X \*\* 2.0) - CF  
 Variance(V): SS / (n-1)  
 Estimate of Lot Standard Deviation s: (V \*\* 0.5)  
 Sample Mean X Bar: Sum(X) / n  
 Upper Specification Limit: U  
 Lower Specification Limit: L  
 Quality Index(Q): (U - Xbar) / s  
 Quality Index(Q1): (Xbar - L) / s  
 Estimate of Lot Percent Ncf. Above U: PU  
 Estimate of Lot Percent Ncf. Below L: PL  
 Total Estimate Percent Ncf. In Lot: p = PU + PL  
 Maximum Allowable Percent Ncf.: M  
 Acceptability Criterion: (PU + PL) <= M

\*\*\*\*\* DEVICES SELECTED BUT NOT TESTED \*\*\*\*\*  
 DEVICE# "NO TEST" CODE COMMENTS

GROUP NAME	METER TYPE	IN-SERVICE POPULATION	SAMPLE QUANTITY	METERS TESTED	PASSED/ FAILED
J4E	F	576	35	35	PASS

ANALYZED TEST RESULTS PER ANSI/ASQC Z1.9-1993  
 DOUBLE SPECIFICATION LIMIT - VARIABILITY UNKNOWN - STANDARD DEVIATION METHOD  
 ONE AQL VALUE FOR BOTH UPPER AND LOWER SPECIFICATION LIMIT COMBINED  
 AQL = 2.5% - INSPECTION LEVEL II - NORMAL INSPECTION

DEVIce NUMBER	TEST ACCURACY DATA	VALUE OBTAINED
734132	I 99.9	734155 S 100.2
734188	S 100.0	734222 S 100.8
734239	S 100.5	734256 S 100.3
739978	I 100.4	740009 S 100.3
740088	S 101.2	740176 S 99.8
740315	I 100.6	740331 S 100.5
740405	S 100.5	740432 S 100.6
		740414 S 100.6
		734159 S 100.1
		734230 S 99.6
		734235 S 99.9
		734299 S 100.8
		740037 S 100.2
		740198 S 100.6
		740379 S 100.7
		756268 S 100.0

INFORMATION NEEDED

Sample Size: n 35  
 Sum of Squared Measurements: Sum(X) 3,513.0  
 Correction Factor(CF): ((Sum(X) \*\* 2.0) / n) 352,604.83  
 Corrected Sum of Squares(SS): Sum(X \*\* 2.0) - CF 4.57  
 Variance(V): SS / (n-1) 0.1344  
 Estimate of Lot Standard Deviation s: (V \*\* 0.5) 0.3666  
 Sample Mean X-Bar: Sum(X) / n 100.37  
 Upper Specification Limit: U 102.00  
 Lower Specification Limit: L 98.00  
 Quality Index(Qu): (U - Xbar) / s 4.45  
 Quality Index(Ql): (Xbar - L) / s 6.46  
 Estimate of Lot Percent Ncf. Above U: PU 0.00%  
 Estimate of Lot Percent Ncf. Below L: PL 0.00%  
 Total Estimate Percent Ncf. In Lot: P = PU + PL 0.00%  
 Maximum Allowable Percent Ncf.: M 5.58%  
 Acceptability Criterion: (PU + PL) <= M PASS

\*\*\*\*\* DEVICES SELECTED BUT NOT TESTED \*\*\*\*\*  
 DEVICE# "NO TEST" CODE COMMENTS



GROUP NAME	METER TYPE	IN-SERVICE POPULATION	SAMPLE QUANTITY	METERS TESTED	PASSED/ FAILED
J5 - 2	F	10,000	75	75	PASS

ANALYZED TEST RESULTS PER ANSI/ASQC Z1.9-1993  
 DOUBLE SPECIFICATION LIMIT - VARIABILITY UNKNOWN - STANDARD DEVIATION METHOD  
 ONE AQL VALUE FOR BOTH UPPER AND LOWER SPECIFICATION LIMIT COMBINED  
 AQL = 2.5% - INSPECTION LEVEL II - NORMAL INSPECTION

DEVIANCE (V):	SS / (n-1)	Estimate of Lot Standard Deviation s:	(V ** 0.5)	Upper Specification Limit:	Lower Specification Limit:	Quality Index (Q <sub>u</sub> ):	(Xbar - L) / s	Quality Index (Q <sub>l</sub> ):	(Xbar - L) / s	Estimate of Lot Percent Ncf. Above U:	Estimate of Lot Percent Ncf. Below L:	Total Estimate Percent Ncf. In Lot:	p ≈ PU + PL	Maximum Allowable Percent Ncf.:	M	Acceptability Criterion:	(PU + PL) ≤ M
539886	100.0	539962	I	100.5	540308	J	100.1	543315	100.3	I	100.3	54359	S	99.9			
543662	100.3	543828	I	100.2	543851	I	99.8	543912	99.8	I	99.8	54414	I	100.2			
544235	100.2	544442	I	99.9	544642	I	100.2	544718	100.4	I	100.4	548719	J	100.3			
548809	98.9	548893	I	99.8	549106	I	100.3	549215	100.2	I	100.2	549790	I	99.8			
549896	99.9	549912	I	100.1	549965	I	99.3	550029	100.1	I	100.1	550575	I	100.1			
550648	100.0	550738	J	99.8	550775	I	100.3	550777	99.8	I	99.8	550863	I	99.9			
550893	100.2	551192	S	100.1	551914	I	99.5	551983	100.2	I	100.2	551983	I	99.5			
556064	99.7	556387	I	99.8	556562	I	99.8	556769	99.8	I	99.8	556778	I	100.0			
556803	99.5	556806	I	100.1	556857	I	99.8	556870	99.5	I	99.5	557279	S	99.9			
557335	100.2	557577	I	99.9	557629	I	99.6	557684	99.5	I	99.5	557761	S	100.1			
557948	100.1	558203	S	100.3	558274	I	100.3	558465	100.2	I	100.2	558538	I	99.9			
558552	100.0	566132	I	100.1	566446	I	99.9	566498	100.1	I	100.1	566565	I	100.3			
566649	99.7	566891	I	99.7	566981	I	99.9	567036	100.2	I	100.2	567198	I	99.8			
567213	99.7	567235	I	99.9	567373	I	99.7	567446	100.4	I	100.4	568015	I	99.5			
568071	99.9	574179	S	99.9	574214	I	100.0	579200	100.2	I	100.2	579210	S	100.0			

INFORMATION NEEDED

VALUE OBTAINED

Sample Size: n	75
Sum of Measurements: Sum(X)	7,497.8
Sum of Squared Measurements: Sum(X ** 2.0)	749,566.04
Correction Factor(CF): ((Sum(X) ** 2.0) / n)	749,560.06
Corrected Sum of Squares(SS): Sum(X ** 2.0) - CF	5.98
Variance(V): SS / (n-1)	0.0808
Estimate of Lot Standard Deviation s: (V ** 0.5)	0.2843
Sample Mean X Bar: Sum(X) / n	99.97
Upper Specification Limit: U	102.00
Lower Specification Limit: L	98.00
Quality Index (Q <sub>u</sub> ): (U - Xbar) / s	7.14
Quality Index (Q <sub>l</sub> ): (Xbar - L) / s	6.93
Estimate of Lot Percent Ncf. Above U: PU	0.00%
Estimate of Lot Percent Ncf. Below L: PL	0.00%
Total Estimate Percent Ncf. In Lot: p ≈ PU + PL	0.00%
Maximum Allowable Percent Ncf.:	4.83%
Acceptability Criterion: (PU + PL) ≤ M	PASS

\*\*\*\*\* DEVICES SELECTED BUT NOT TESTED \*\*\*\*\*  
 DEVICE# "NO TEST" CODE COMMENTS

GROUP NAME	METER TYPE	IN-SERVICE POPULATION	SAMPLE QUANTITY	METERS TESTED	PASSED/ FAILED/ PASS
J5 - 4	F	10,000	75	75	

ANALYZED TEST RESULTS PER ANSI/ASQC Z1.9-1993  
 DOUBLE SPECIFICATION LIMIT - VARIABILITY UNKNOWN - STANDARD DEVIATION METHOD  
 ONE AQL VALUE FOR BOTH UPPER AND LOWER SPECIFICATION LIMIT COMBINED  
 AQL = 2.5% - INSPECTION LEVEL II - NORMAL INSPECTION

*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
578954	J	100.0	602095	I	99.8	J	100.5	602634	J	100.3	607708	R	100.3						
607779	I	100.2	607799	I	100.2	I	100.2	608104	I	100.0	608440	I	100.4						
608724	I	101.0	608811	I	100.2	J	99.5	609108	I	100.0	609615	I	100.1						
609768	J	99.8	609823	I	99.8	J	100.0	610013	I	100.1	610143	I	100.5						
610163	S	100.1	610232	J	100.8	I	99.9	610333	I	100.5	610348	I	100.0						
633840	I	99.7	633877	IS	100.1	I	100.6	634021	I	99.5	634085	I	99.8						
634291	IS	99.9	634415	I	100.1	I	100.1	634637	I	100.0	634788	I	100.1						
634797	I	100.0	635086	J	100.1	I	100.1	635211	I	99.7	635313	I	100.1						
635322	I	99.6	635518	J	100.6	I	99.9	635839	I	100.1	636085	I	99.9						
636108	I	99.7	636177	I	99.7	S	100.1	637561	I	100.7	637615	I	99.7						
661848	I	100.0	662037	I	100.0	I	99.9	662400	I	100.0	662561	I	100.1						
662577	I	99.8	662586	I	100.1	I	99.7	662759	I	99.9	662820	I	99.6						
662850	I	99.9	663050	IS	99.8	I	99.5	663438	I	100.0	663732	I	99.5						
664005	I	99.4	664384	I	99.7	I	99.8	664419	I	99.7	664466	I	99.5						
664519	I	99.8	665061	I	99.9	S	96.8	665133	I	99.3	665894	I	99.9						

INFORMATION NEEDED

Sample Size: n  
 Sum of Measurements: Sum(X)  
 Sum of Squared Measurements: Sum(X \*\* 2.0)  
 Correction Factor(CF): (Sum(X) \*\* 2.0) / n )  
 Corrected Sum of Squares(SS): Sum(X \*\* 2.0) - CF  
 Variance(V): SS / (n-1)  
 Estimate of Lot Standard Deviation s: (V \*\* 0.5)  
 Sample Mean X Bar: Sum(X) / n  
 Upper Specification Limit: U  
 Lower Specification Limit: L  
 Quality Index(Q1): (U - Xbar) / s  
 Quality Index(Q2): (Xbar - L) / s  
 Estimate of Lot Percent Ncf. Above U: PU  
 Estimate of Lot Percent Ncf. Below L: PL  
 Total Estimate Percent Ncf. In Lot: P = PU + PL  
 Maximum Allowable Percent Ncf.: M  
 Acceptability Criterion: (PU + PL) <= M

\*\*\*\*\* DEVICES SELECTED BUT NOT TESTED \*\*\*\*\*  
 DEVICE# "NO TEST" CODE COMMENTS

GROUP NAME METER TYPE METER IN-SERVICE SAMPLE METERS PASSED/  
J5 - 6 F 10,000 75 75 75 75 FAILED  
PASS

ANALYZED TEST RESULTS PER ANSI/ASQC Z1.9-1993  
DOUBLE SPECIFICATION LIMIT - VARIABILITY UNKNOWN - STANDARD DEVIATION METHOD  
ONE AQL VALUE FOR BOTH UPPER AND LOWER SPECIFICATION LIMIT COMBINED  
AQL = 2.5% - INSPECTION LEVEL II - NORMAL INSPECTION

DEVICE NUMBER	TEST ACCURACY	DATA
692471	100.2	S
693446	100.1	I
694013	99.8	I
695001	99.9	I
695415	100.4	I
696882	100.1	S
697189	99.8	I
697807	100.4	I
699273	100.2	I
699772	100.2	I
705841	99.7	I
706357	100.1	R
706983	100.1	I
707526	99.8	S
708135	99.6	I
692643	100.3	I
693572	99.8	I
694362	100.3	I
695082	100.1	S
695637	99.8	I
696894	100.0	I
697399	100.1	I
697945	99.9	I
699440	100.1	I
699956	100.2	I
705857	99.8	I
706472	99.8	I
707158	100.0	I
707606	99.9	S
708318	99.9	I
693123	99.8	I
693782	99.7	I
694946	99.7	I
695332	100.4	I
695554	99.9	I
697172	99.7	I
697517	100.1	I
698163	99.9	I
699526	99.9	I
700401	99.5	I
705928	99.8	I
706573	99.8	I
707266	99.6	I
707933	99.9	I
724085	99.8	I
693357	99.7	I
693971	99.9	I
694990	100.5	I
695391	100.9	I
695813	99.9	I
697185	100.0	I
697676	100.2	I
698195	99.6	I
699601	99.3	I
705669	100.0	I
706126	100.9	I
706638	99.6	R
707356	100.1	I
708048	99.9	S
724402	99.8	I
724612	100.0	I

INFORMATION NEEDED VALUE OBTAINED

Sample Size: n	75
Sum of Measured Measurements: Sum(X)	7,495.1
Sum of Squared Measurements: Sum(X ** 2.0)	749,024.51
Correction Factor(CF): (Sum(X) ** 2.0) / n	749,020.32
Corrected Sum of Squares(SS): Sum(X ** 2.0) - CF	4.19
Variance(V): SS / (n-1)	0.0566
Estimate of Lot Standard Deviation s: (V ** 0.5)	0.2379
Sample Mean X Bar: Sum(X) / n	99.93
Upper Specification Limit: U	102.00
Lower Specification Limit: L	98.00
Quality Index(Qu): (U - Xbar) / s	8.70
Quality Index(Ql): (Xbar - L) / s	8.11
Estimate of Lot Percent Ncf. Above U: PU	0.00%
Estimate of Lot Percent Ncf. Below L: PL	0.00%
Total Estimate Percent Ncf. In Lot: P = PU + PL	0.00%
Maximum Allowable Percent Ncf.: M	4.83%
Acceptability Criterion: (PU + PL) <= M	PASS

\*\*\*\*\* DEVICES SELECTED BUT NOT TESTED \*\*\*\*\*  
DEVICE# "NO TEST" CODE COMMENTS

LOUISVILLE GAS & ELECTRIC COMPANY  
2007 SAMPLE TEST PROGRAM (JANUARY 1, 2007 TO DECEMBER 31, 2007)

GROUP NAME METER TYPE IN-SERVICE POPULATION QUANTITY TESTED PASSED/  
J5 - 8 F 10,000 75 75 PASSED

ANALYZED TEST RESULTS PER ANSI/ASQC Z1.9-1993  
DOUBLE SPECIFICATION LIMIT - VARIABILITY UNKNOWN - STANDARD DEVIATION METHOD  
ONE AQL VALUE FOR BOTH UPPER AND LOWER SPECIFICATION LIMIT COMBINED  
AQL = 2.5% - - INSPECTION LEVEL II - NORMAL INSPECTION

\*\*\*\*\* DEVICE NUMBER AND FULL LOAD TEST ACCURACY DATA \*\*\*\*\*

TEST VALUE	STATUS	TEST VALUE	STATUS
735847	I	735882	I
735991	I	736112	I
736507	I	736564	I
736839	I	736880	I
740524	I	740773	I
741719	I	741812	I
743455	I	743488	I
743852	I	744045	I
744323	I	744632	I
745537	I	745614	I
746668	I	746680	I
747317	I	747343	I
748070	I	748320	S
748676	I	748760	I
748987	S	749110	I

INFORMATION NEEDED VALUE OBTAINED

Sample Size: n  
Sum of Measurements: Sum(X)  
Sum of Squared Measurements:  $\sum (X_i^2)$   
Correction Factor (CF):  $(\sum X_i)^2 / n$   
Corrected Sum of Squares (SS):  $\sum X_i^2 - CF$   
Variance of SS:  $SS / (n-1)$   
Estimate of Standard Deviation s:  $(V ** 0.5)$   
Sample Mean X Bar:  $\sum(X) / n$   
Upper Specification Limit: U  
Lower Specification Limit: L  
Quality Index (QI):  $(U - \bar{X}) / s$   
Quality Index (Qn):  $(\bar{U} - \bar{X}) / s$   
Estimate of Lot Percent Ncf. Above U: PU  
Estimate of Lot Percent Ncf. Below L: PL  
Total Allowable Percent Ncf. In Lot: P = PU + PL  
Maximum Allowable Percent Ncf.: M  
Acceptability Criterion:  $(PU + PL) \leq M$

\*\*\*\*\* DEVICES SELECTED BUT NOT TESTED \*\*\*\*\*  
DEVICE# "NO TEST" CODE COMMENTS

LOUISVILLE GAS & ELECTRIC COMPANY  
2007 SAMPLE TEST PROGRAM (JANUARY 1, 2007 TO DECEMBER 31, 2007)

GROUP NAME METER TYPE POPULATION SAMPLE QUANTITY METERS TESTED PASSED/  
J5 - 10 F 10,000 75 75 FAILED

ANALYZED TEST RESULTS PER ANSII/ASQC Z1.9-1993  
DOUBLE SPECIFICATION LIMIT - VARIABILITY UNKNOWN - STANDARD DEVIATION METHOD  
ONE AQT VALUE FOR BOTH UPPER AND LOWER SPECIFICATION LIMIT COMBINED  
AQT = 2.5% - - INSPECTION LEVEL II - NORMAL INSPECTION

\*\*\*\*\* DEVICE NUMBER AND FULL LOAD TEST ACCURACY DATA \*\*\*\*\*

INFORMATION NEEDED	VALUE OBTAINED
764464	764499
767940	768107
768406	768757
769316	769412
769711	769863
770310	770444
771122	771155
771923	772111
772239	772332
772835	772866
773466	773472
774172	774444
775113	775124
779943	780136
793107	793181

Sample Size: n  
Sum of Measurements: Sum(X)  
Sum of Squared Measurements: Sum(X \*\* 2.0)  
Correction Factor(CF): ( Sum(X) \*\* 2.0) / n  
Corrected Sum of Squares(SS): Sum(X \*\* 2.0) - CF  
Variance(V): SS / (n-1)  
Estimate of Lot Standard Deviation s: (V \*\* 0.5)  
Sample Mean X Bar: Sum(X) / n  
Upper Specification Limit: U  
Lower Specification Limit: L  
Quality Index(Qn): (U - Xbar) / s  
Quality Index(Ql): (Xbar - L) / s  
Estimate of Lot Percent Ncf. Above U: PU  
Estimate of Lot Percent Ncf. Below L: PL  
Total Estimate Percent Ncf. In Lot: P = PU + PL  
Maximum Allowable Percent Ncf.: M  
Acceptability Criterion: (PU + PL) <= M

7,494.8  
748,965.12  
748,960.36  
4.76  
0.0643  
0.2536  
102.00  
99.93  
98.00  
7.61  
8.16  
0.00%  
0.00%  
0.00%  
4.83%  
PASS

\*\*\*\*\* DEVICES SELECTED BUT NOT TESTED \*\*\*\*\*  
DEVICE# "NO TEST" CODE COMMENTS

LOUISVILLE GAS & ELECTRIC COMPANY 2007 SAMPLE TEST PROGRAM (JANUARY 1, 2007 TO DECEMBER 31, 2007)

GROUP NAME METER TYPE POPULATION QUANTITY METERS TESTED METERS PASSED/ FAILED

ANALYZED TEST RESULTS PER ANSI/ASQC Z1.9-1993 DOUBLE SPECIFICATION LIMIT - VARIABILITY UNKNOWN - STANDARD DEVIATION METHOD ONE AOT VALUE FOR BOTH UPPER AND LOWER SPECIFICATION LIMIT COMBINED AQL = 2.5% - - INSPECTION LEVEL II - NORMAL INSPECTION

\*\*\*\*\* DEVICE NUMBER AND FULL LOAD TEST ACCURACY DATA \*\*\*\*\*

Table with columns for Device Number, Test Result (I/S), and Accuracy Data (e.g., 790940, 100.3, I, 100.3).

INFORMATION NEEDED

VALUE OBTAINED

Sample Size: n Sum of Squared Measurements: Sum(X) \*\* 2.0) Correction Factor(CF): ((Sum(X) \*\* 2.0) / n) Corrected Sum of Squares(SS): Sum(X \*\* 2.0) - CF Variance(V): SS / (n-1) Estimate of Lot Standard Deviation s: (V \*\* 0.5) Sample Mean X Bar: Sum(X) / n Upper Specification Limit: U Lower Specification Limit: L Quality Index(QI): (U - Xbar) / s Estimate of Lot Percent Nct. Above U: PU Estimate of Lot Percent Nct. Below L: PL Total Estimate Percent Nct. In Lot: P = PU + PL Maximum Allowable Percent Nct.: M Acceptability Criterion: (PU + PL) <= M PASS

\*\*\*\*\* DEVICE# "NO TEST" CODE COMMENTS \*\*\*\*\*

\*\*\*\*\* DEVICES SELECTED BUT NOT TESTED \*\*\*\*\*

LOUISVILLE GAS & ELECTRIC COMPANY  
2007 SAMPLE TEST PROGRAM (JANUARY 1, 2007 TO DECEMBER 31, 2007)

IN-SERVICE SAMPLE METERS TESTED 20 PASSED/  
METER TYPE POPULATION QUANTITY TESTED 20 FAILED  
M0

ANALYZED TEST RESULTS PER ANSI/ASQC Z1.9-1993  
DOUBLE SPECIFICATION LIMIT - VARIABILITY UNKNOWN - STANDARD DEVIATION METHOD  
ONE AQL VALUE FOR BOTH UPPER AND LOWER SPECIFICATION LIMIT COMBINED  
AQL = 2.5% - INSPECTION LEVEL II - NORMAL INSPECTION

GROUP NAME	METER TYPE	POPULATION	QUANTITY	METERS TESTED	PASSED/FAILED
328483	J	100.0	100.5	337692	J
346806	J	100.3	99.8	356309	J
360949	J	100.0	100.4	361088	J
365649	J	100.2	100.3	370387	J
328640	J	100.0	100.3	333387	J
347196	J	100.3	99.8	351768	J
361004	J	100.0	100.4	361071	J
370323	J	100.2	100.3	370387	J
99.5	J	100.0	100.5	337692	J
99.4	J	100.3	99.8	356309	J
100.3	J	100.0	100.4	361088	J
99.8	J	100.2	100.3	370387	J

INFORMATION NEEDED

VALUE OBTAINED

Sample Size: n  
Sum of Measurements: Sum(X) \*\* 2.0  
Correction Factor(CF): (Sum(X) \*\* 2.0) / n  
Sum of Squared Measurements: Sum(X \*\* 2.0) - CF  
Corrected Sum of Squares(SS): Sum(X \*\* 2.0) - CF  
Variance(V): SS / (n-1)  
Estimate of Standard Deviation s: (V \*\* 0.5)  
Sample Mean X Bar: Sum(X) / n  
Upper Specification Limit: U  
Lower Specification Limit: L  
Quality Index(Qi): (U - Xbar) / s  
Quality Index(Qo): (Xbar - L) / s  
Estimate of Lot Percent Ncf. Above U: PU  
Estimate of Lot Percent Ncf. Below L: PL  
Estimate of Lot Percent Ncf. In Lot: p = PU + PL  
Total Estimate Percent Ncf.: M  
Maximum Allowable Percent Ncf.: M  
Acceptability Criterion: (PU + PL) <= M

\*\*\*\*\* DEVICES SELECTED BUT NOT TESTED \*\*\*\*\*  
DEVICE# "NO TEST" CODE COMMENTS

GROUP NAME	METER TYPE	IN-SERVICE POPULATION	SAMPLE QUANTITY	METERS TESTED	PASSED/ FAILED
MS11	A	10,000	75	75	PASS

ANALYZED TEST RESULTS PER ANSI/ASQC Z1.9-1993  
 DOUBLE SPECIFICATION LIMIT - VARIABILITY UNKNOWN - STANDARD DEVIATION METHOD  
 ONE AQL VALUE FOR BOTH UPPER AND LOWER SPECIFICATION LIMIT COMBINED  
 AQL = 2.5% - INSPECTION LEVEL II - NORMAL INSPECTION

DEVIATION	TEST	ACCURACY	DATA	TEST	ACCURACY	DATA	TEST	ACCURACY	DATA
I	100.0	I	454638	I	99.6	I	457869	S	100.2
I	100.1	I	459879	I	100.0	I	460661	I	100.2
I	100.2	I	467023	I	100.1	I	469021	I	99.8
I	99.9	I	480495	I	100.2	I	480536	I	99.6
I	99.9	I	482195	I	100.3	I	485253	I	99.9
I	99.5	I	488564	I	99.4	I	488640	I	99.8
I	100.3	I	491462	I	100.3	I	494793	I	100.1
I	99.9	I	502555	I	100.2	I	502607	I	99.3
I	99.6	I	503345	I	99.9	I	503504	I	100.2
I	99.5	I	503549	I	99.8	I	503652	I	100.1
I	99.8	I	507317	I	99.9	I	507337	I	99.9
I	100.2	I	507919	I	100.3	I	508146	I	99.3
I	99.7	I	507872	I	100.0	I	519111	I	99.8
I	100.1	I	523241	I	99.8	I	523260	I	100.1
I	100.4	I	523738	I	100.3	I	523779	I	100.1

INFORMATION NEEDED

Sample Size: n  
 Sum of Measurements: Sum(X)  
 Sum of Squared Measurements: Sum(X \*\* 2.0)  
 Correction Factor(CF): ( Sum(X) \*\* 2.0) / n )  
 Corrected Sum of Squares(SS): Sum(X \*\* 2.0) - CF  
 Variance(V): SS / (n-1)  
 Estimate of lot Standard Deviation s: (V \*\* 0.5)  
 Sample Mean X Bar: Sum(X) / n  
 Upper Specification Limit: U  
 Lower Specification Limit: L  
 Quality Index(Q1): (U - Xbar) / s  
 Quality Index(Q2): (Xbar - L) / s  
 Estimate of lot Percent Ncf. Above U: PU  
 Estimate of lot Percent Ncf. Below L: PL  
 Total Estimate Percent Ncf. In Lot: P = PU + PL  
 Maximum Allowable Percent Ncf.: M  
 Acceptability Criterion: (PU + PL) <= M

\*\*\*\*\* DEVICES SELECTED BUT NOT TESTED \*\*\*\*\*  
 DEVICE# "NO TEST" CODE COMMENTS

VALUE OBTAINED

75  
 7,499.0  
 749,805.52  
 749,800.01  
 5.51  
 0.0745  
 0.2729  
 99.98  
 102.00  
 98.00  
 7.40  
 7.26  
 0.00%  
 0.00%  
 0.00%  
 4.83%  
 PASS

TEST RESULTS

458147  
 466579  
 473373  
 480689  
 485461  
 491376  
 497895  
 503104  
 503524  
 507155  
 507854  
 508300  
 519349  
 523564  
 523934

TEST RESULTS

99.9  
 100.1  
 100.3  
 99.3  
 100.1  
 100.2  
 100.3  
 99.9  
 100.0  
 100.2  
 100.1  
 99.9  
 100.0  
 99.9  
 100.2

TEST RESULTS

I  
 I  
 I  
 I  
 I  
 I  
 I  
 I  
 I  
 I  
 I  
 I  
 I  
 I

TEST RESULTS

100.2  
 100.7  
 99.7  
 99.6  
 99.8  
 100.3  
 100.1  
 100.0  
 99.8  
 100.0  
 100.3  
 99.8  
 100.1  
 100.5





GROUP NAME METER TYPE METER TESTED PASSED/  
MSII - 5 A 10,000 75 75 FAILED  
PASS

ANALYZED TEST RESULTS PER ANSI/ASQC Z1.9-1993  
DOUBLE SPECIFICATION LIMIT - VARIABILITY UNKNOWN - STANDARD DEVIATION METHOD  
ONE AQL VALUE FOR BOTH UPPER AND LOWER SPECIFICATION LIMIT COMBINED  
AQL = 2.5% - INSPECTION LEVEL II - NORMAL INSPECTION

DEVIATION	TEST	NUMBER	AND	FULL	LOAD	TEST	ACCURACY	DATA
648435	I	100.0	S	648451	100.1	I	100.2	648513
648726	I	100.0	I	648794	100.3	I	100.1	649061
649202	I	100.3	I	649330	100.2	I	100.1	649491
649763	I	100.1	I	649927	100.1	I	100.3	650470
650553	S	99.9	I	650612	100.3	I	100.4	650806
651031	I	100.2	I	651132	100.2	I	100.1	651621
651698	I	100.0	I	651704	99.9	I	100.0	651879
651951	I	100.1	I	652095	100.1	I	100.0	653317
653646	I	100.0	I	653673	100.1	I	99.9	654145
658277	I	100.3	I	658285	100.2	R	100.4	658434
658590	I	100.4	I	658600	100.4	I	100.3	658490
659269	I	100.6	I	659386	100.5	I	100.1	659092
660023	S	99.9	I	660612	100.3	I	100.0	659944
671284	I	100.1	I	671510	100.1	I	100.0	671281
672349	I	100.0	I	672363	100.2	S	100.2	671942
								672878

INFORMATION NEEDED

Sample Size: n  
Sum of Measured Measurements: Sum(X)  
Sum of Squared Measurements: Sum(X \*\* 2.0)  
Correction Factor(CF): ( Sum(X) \*\* 2.0 ) / n )  
Corrected Sum of Squares(SS): Sum(X \*\* 2.0) - CF  
Variance(V): SS / (n-1)  
Estimate of Lot Standard Deviation s: (V \*\* 0.5)  
Sample Mean X Bar: Sum(X) / n  
Upper Specification Limit: U  
Lower Specification Limit: L  
Quality Index(Qi): (U - Xbar) / s  
Quality Index(Ql): (Xbar - L) / s  
Estimate of Lot Percent Ncf. Above U: PU  
Estimate of Lot Percent Ncf. Below L: PL  
Total Estimate Percent Ncf. In Lot: P = PU + PL  
Maximum Allowable Percent Ncf.: M  
Acceptability Criterion: (PU + PL) <= M

\*\*\*\*\* DEVICES SELECTED BUT NOT TESTED \*\*\*\*\*  
DEVICE# "NO TEST" CODE COMMENTS

75  
7,511.1  
752,224.31  
752,221.64  
2.67  
0.0361  
0.1900  
100.14  
102.00  
98.00  
9.79  
11.26  
0.00%  
0.00%  
0.00%  
4.83%  
PASS

GROUP NAME	METER TYPE	IN-SERVICE POPULATION	SAMPLE QUANTITY	METERS TESTED	PASSED/FAILED
MX	A	10,000	75	75	PASS

ANALYZED TEST RESULTS PER ANSI/ASQC Z1.9-1993  
 DOUBLE SPECIFICATION LIMIT - VARIABILITY UNKNOWN - STANDARD DEVIATION METHOD  
 ONE AQL VALUE FOR BOTH UPPER AND LOWER SPECIFICATION LIMIT COMBINED  
 AQL = 2.5% - INSPECTION LEVEL II - NORMAL INSPECTION

*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
702617	I	99.9	702620	I	100.0	702687	I	100.1	702998	I	99.9	703012	I	100.0	100.0
703034	I	100.0	703116	I	99.8	703371	S	99.7	703629	I	100.0	703699	I	100.1	100.1
703721	I	99.9	703732	I	99.9	703885	S	100.1	703980	I	99.9	704167	I	99.8	99.8
704198	I	100.0	704251	I	100.1	704594	S	100.0	704613	I	100.1	704678	I	99.8	99.8
704750	I	100.3	704867	I	99.8	705251	S	100.2	708744	I	100.3	708849	I	99.8	99.8
708957	I	99.9	709192	I	100.1	709342	S	99.8	709363	I	100.0	709536	I	100.1	100.1
709697	I	100.7	709733	S	100.1	709892	S	100.2	710136	I	99.8	710464	I	99.9	99.9
710560	I	99.9	710585	S	99.8	710688	I	99.8	710752	I	99.7	710849	I	100.6	100.6
711108	I	99.9	711118	I	99.8	711146	I	100.0	711284	I	100.0	711772	I	99.6	99.6
711900	I	100.1	712046	I	100.1	712197	S	100.0	712435	I	99.8	712464	I	99.6	99.6
712827	I	100.0	712848	I	99.6	712911	S	99.7	713074	I	99.9	713120	I	99.5	99.5
713374	I	100.1	713398	I	99.8	713649	S	99.9	713676	I	100.2	713787	I	99.5	99.5
713841	I	100.1	713965	J	100.0	713999	I	99.8	714074	I	99.4	714226	I	100.1	100.1
714256	S	99.6	714770	I	99.9	715306	I	99.8	715517	I	99.9	715676	I	99.8	99.8
715874	I	99.7	715971	I	99.7	716077	I	99.8	716097	S	99.7	716266	I	99.8	99.8

INFORMATION NEEDED

Sum of Squared Measurements: Sum(X) / n  
 Sum of Squared Measurements: Sum(X \*\* 2.0)  
 Correction Factor(CF): ((Sum(X) \*\* 2.0) / n)  
 Corrected Sum of Squares(SS): Sum(X \*\* 2.0) - CF  
 Variance(V): SS / (n-1)  
 Estimate of Lot Standard Deviation s: (V \*\* 0.5)  
 Sample Mean X Bar: Sum(X) / n  
 Upper Specification Limit: U  
 Lower Specification Limit: L  
 Quality Index(Qu): (U - Xbar) / s  
 Quality Index(Ql): (Xbar - L) / s  
 Estimate of Lot Percent Ncf. Above U: PU  
 Estimate of Lot Percent Ncf. Below L: PL  
 Total Estimate Percent Ncf. In Lot: P = PU + PL  
 Maximum Allowable Percent Ncf.: M  
 Acceptability Criterion: (PU + PL) <= M

\*\*\*\*\* DEVICES SELECTED BUT NOT TESTED \*\*\*\*\*  
 DEVICE# "NO TEST" CODE COMMENTS

LOUISVILLE GAS & ELECTRIC COMPANY  
ANALYZED TEST RESULTS PER ANSI/ASQC Z1.9-1993  
DOUBLE SPECIFICATION LIMIT - VARIABILITY UNKNOWN - STANDARD DEVIATION METHOD  
ONE AQL VALUE FOR BOTH UPPER AND LOWER SPECIFICATION LIMIT COMBINED  
AQL = 2.5% - INSPECTION LEVEL II - NORMAL INSPECTION

GROUP NAME	METER TYPE	IN-SERVICE POPULATION	SAMPLE QUANTITY	METERS TESTED	PASSED/ FAILED
MX - 3	A	3,355	75	75	PASS

*** DEVICE NUMBER AND FULL LOAD TEST ACCURACY DATA ***	TEST ACCURACY DATA	DEVIATION METHOD
819338	I 99.9	I
819488	I 100.1	I
819799	I 100.0	I
819885	I 100.0	I
820187	I 100.0	I
820465	I 99.9	I
821022	I 99.9	I
821137	I 99.7	I
821152	I 100.0	I
8211707	I 100.0	I
822020	I 99.7	I
822195	I 100.0	I
822681	I 99.6	I
822929	I 100.0	I

INFORMATION NEEDED VALUE OBTAINED

Sample Size: n 75

Sum of Measurements: Sum(X) 7,492.0

Sum of Squared Measurements: Sum(X \*\* 2.0) 748,403.34

Correction Factor(CF): ((Sum(X) \*\* 2.0) / n) 748,400.85

Corrected Sum of Squares(SS): Sum(X \*\* 2.0) - CF 2.49

Variance(V): SS / (n-1) 0.0336

Estimate of Lot Standard Deviation s: (V \*\* 0.5) 0.1833

Sample Mean X Bar: Sum(X) / n 99.89

Upper Specification Limit: U 102.00

Lower Specification Limit: L 98.00

Quality Index(Qu): (U - Xbar) / s 11.51

Quality Index(Ql): (Xbar - L) / s 10.31

Estimate of Lot Percent Ncf. Above U: PU 0.00%

Estimate of Lot Percent Ncf. Below L: PL 0.00%

Total Estimate Percent Ncf. In Lot: P = PU + PL 0.00%

Maximum Allowable Percent Ncf.: M 4.83%

Acceptability Criterion: (PU + PL) <= M PASS

\*\*\*\*\* DEVICES SELECTED BUT NOT TESTED \*\*\*\*\*

DEVICE# "NO TEST" CODE COMMENTS

819450	I	100.0	100.0	I	819431	819431
819789	I	99.7	99.7	I	819743	819743
819883	I	99.9	99.9	I	819853	819853
819938	I	100.0	100.0	I	819934	819934
820150	I	99.9	99.9	I	820118	820118
820432	I	100.1	100.1	I	820423	820423
820922	I	100.0	100.1	I	820910	820910
8211319	I	100.0	100.0	I	821268	821268
821509	I	99.8	99.8	I	821488	821488
821684	I	99.7	99.7	I	821672	821672
822009	I	99.9	99.9	I	821958	821958
822138	I	99.6	99.6	I	822130	822130
822570	I	99.8	99.8	I	822516	822516
822851	I	99.9	99.9	I	822822	822822
823084	I	99.5	99.5	I	823036	823036

CIMSB920

2007 SAMPLE TEST PROGRAM (JANUARY 1, 2007 TO DECEMBER 31, 2007)

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TEST LOTS COUNT..... 51

TEST LOTS FAILED..... 1