1190400006 MADISON
REILLY TAR
SUBPART F

REILLY TAR & CHEMICAL CORPORATION

TELEPHONE: 317/638-7531
CABLE: RETAR INDIANAPOLIS
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1510 MARKET SQUARE CENTER
151 NORTH DELAWARE STREET
INDIANAPOLIS, INDIANA 46204

December 3, 1984

EPA Region 5 Records Ctr.
393301

Mr. Mark Haney, Manager
Compliance Sub-Unit
Illinois EPA
Division of Land Pollution #24
2200 Churchill Road
Springfield, Illinois 62706

Dear Mr. Haney:

Attached are revised calculations on our Granite City facility monitoring wells as discussed in our recent telephone conversation.

These revised reports are to correct incorrect calculations on the T-C and coefficient of variance previously reported.

Very truly yours,

REILLY TAR & CHEMICAL CORPORATION

W. A. Justin
Director Environmental Control

WAJ/bk

Attach.

cc: Mr. L. L. Pirtle
Reilly Tar & Chemical Corporation
Granite City, Illinois

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GRANITE CITY WELL #1 ILLINOIS DESIGNATION G101

DATE		10-04-82	01-04-83	04-05-83	07-05-83	ARITHEMIC MEAN	VARIANCE	COEFF OF VAR %
ARSENIC	MG/L	.003	.003	.004	.003	.0033	0	0
BARIUM	MG/L	.14	.12	.11	.06	.1075	.0012	32.224
CADMIUM	MG/L	.006	.004	.006	0	.004	0	0
CHROMIUM	MG/L	0	.006	.012	.006	.006	0	0
LEAD	MG/L	0	.03	0	0	.0075	.0002	188.56
MERCURY	MG/L	0	0	.0007	0	.0002	0	0
SELENIUM	MG/L	0	0	0	0	0	0	
SILVER	MG/L	0	0	0	.003	.0008	0	0
IRON	MG/L	.18	.03	0	.02	.0575	.0068	143.41
MANGANESE	MG/L	.442	.389	.005	.115	.2378	.0446	88.809
SODIUM	MG/L	18.4	24.9	17.1	19.2	19.9	11.86	17.306
FLUORIDE	MG/L	1	.6	.7	.8	.775	.0292	22.049
NITROGEN, NITRATE	MG/L	0	.13	1.64	.04	.4525	.6297	175.37
CHLORIDE	MG/L	6	22	10	30	17	121.3333	64.795
PHENOL	MG/L	.005	0	.009	.009	.0058	0	0
SULFATE	MG/L	87	178	213	187	166.25	3011.5833	33.009
ENDRIN	UG/L	0	0	0	0	0	0	
LINDANE	UG/L	0	0	0	0	0	0	
METHOXYCHLOR	UG/L	0	0	0	0	0	0	
TOXAPHENE	UG/L	0	0	0	0	0	0	
2,4-D	UG/L	0	0	0	0	0	0	
2,4,5-TP SILVEX	UG/L	0	0	0	0	0	0	
TOTAL RADIUM	PCI/L	0	0	5.6	0	1.4	7.84	200
GROSS ALPHA	PCI/L	12.3	22.8	6.9	2.5	11.125	76.6425	78.693
GROSS BETA	PCI/L	0	42.6	7.1	14.4	16.025	348.4425	116.48
COLIFORM, TOTAL (MF)	/100ML	TNTC	30	0	0	10	225	150
CONDUCTIVITY (A)	UMHOS	620	830	790	820			
(B)	UMHOS	630	840	790	830			
(C)	UMHOS	630	820	800	820			
(D)	UMHOS	640	830	790	830			
CONDUCTIVITY AV.	UMHOS	630	830	792.5	825	769.375	7166.24	11.003
TOC (A)	MG/L	4.3	3	5.3	4.9			
(B)	MG/L	4.4	3	5.3	4.8			
(C)	MG/L	4.6	3.1	5.3	4.9			
(D)	MG/L	4.5	3	5.4	4.9			
TOC AV.	MG/L	4.45	3.025	5.325	4.875	4.4188	.8	20.241
PH (A)	UNITS	6.89	6.8	7.82	7.38			
(B)	UNITS	6.90	6.81	7.81	7.39			
(C)	UNITS	6.91	6.81	7.82	7.39			
(D)	UNITS	6.90	6.8	7.83	7.39			
PH AV.	UNITS	6.90	6.805	7.82	7.3875	7.2281	.1767	5.8156
TOX (A)	MG/L-CL	.03	.01	.149	.227			
(B)	MG/L-CL	.036	.01	.154	.227			
(C)	MG/L-CL	.038	.014	.157	.222			
(D)	MG/L-CL	.029	.012	.161	.25			
TOX AV.	MG/L-CL	.03325	.0115	.15525	.2315	.1079	.007	77.540
WATER LEVEL	FEET	403.16	410.12	409.85	407.07	407.55	10.4658	
TEMPERATURE	DEG. C	19.3	12.9	11.2	17.2	15.15	14.03	

VALUES OF 0 INDICATE RESULTS BELOW DETECTION LIMITS

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GRANITE CITY WELL #2 ILLINOIS DESIGNATION G102

DATE		10-04-82	01-04-83	04-05-83	07-05-83	ARITHMETIC MEAN	VARIANCE	COEFF OF VAR %
ARSENIC	MG/L	.24	.018	.06	.08	.0995	.0094	97.441
BARIUM	MG/L	.86	.22	.16	.33	.3925	.1021	81.409
CADMIUM	MG/L	.009	.005	.006	0	.005	0	0
CHROMIUM	MG/L	.007	.01	.01	.004	.0078	0	0
LEAD	MG/L	0	.02	0	0	.005	.0001	200
MERCURY	MG/L	0	0	.0005	0	.0001	0	0
SELENIUM	MG/L	0	0	0	0	0	0	
SILVER	MG/L	0	.002	0	0	.0005	0	0
IRON	MG/L	55	.18	.55	2.3	14.5075	729.5849	186.19
MANGANESE	MG/L	15.3	10.2	5.49	4.46	8.8625	24.662	56.035
SODIUM	MG/L	146	86.8	59.5	55.1	86.85	1751.6033	48.189
FLUORIDE	MG/L	.6	.1	.3	.4	.35	.0433	59.453
NITROGEN, NITRATE	MG/L	0	6.71	5.73	1.74	3.545	10.2055	90.116
CHLORIDE	MG/L	210	163	108	130	152.75	1967.5833	29.039
PHENOL	MG/L	17.4	8.53	10.3	11.2	11.8575	14.8832	32.535
SULFATE	MG/L	0	203	97	35	83.75	7928.9167	106.32
ENDRIN	UG/L	0	0	0	0	0	0	
LINDANE	UG/L	0	0	.501	0	.1253	.0628	200.00
METHOXYCHLOR	UG/L	0	0	0	0	0	0	
TOXAPHENE	UG/L	0	0	0	0	0	0	
2,4-D	UG/L	0	0	0	0	0	0	
2,4,5-TP SILVEX	UG/L	0	0	0	0	0	0	
TOTAL RADIUM	PCI/L	0	0	0	0	0	0	
GROSS ALPHA	PCI/L	0	5.1	5.2	0	2.575	8.8425	115.48
GROSS BETA	PCI/L	0	19.4	6.8	22.2	12.1	109.9333	86.652
COLIFORM, TOTAL (MF)	/100ML	TNTC	10	0	18	9.3333	76	93.405
CONDUCTIVITY (A)	UMHOS	2270	1610	1080	1110			
(B)	UMHOS	2280	1620	1090	1120			
(C)	UMHOS	2280	1610	1100	1120			
(D)	UMHOS	2290	1630	1090	1120			
CONDUCTIVITY AV.	UMHOS	2280	1617.5	1090	1117.5	1526.25	249078.3333	32.700
TOC (A)	MG/L	169	75.1	72.1	28.5			
(B)	MG/L	166	73.1	72.5	29.3			
(C)	MG/L	168	73.6	72.7	28.9			
(D)	MG/L	167	74.3	72.1	28.7			
TOC AV.	MG/L	167.5	74.025	72.35	28.85	85.6813	2730.5763	60.988
PH (A)	UNITS	6.77	6.37	7.42	6.94			
(B)	UNITS	6.78	6.37	7.41	6.95			
(C)	UNITS	6.77	6.37	7.42	6.95			
(D)	UNITS	6.77	6.36	7.42	6.94			
PH AV.	UNITS	6.77	6.3675	7.4175	6.945	6.8756	.1513	5.6573
TOX (A)	MG/L-CL	.05	.031	.583	.305			
(B)	MG/L-CL	.058	.026	.59	.29			
(C)	MG/L-CL	.049	.034	.601	.274			
(D)	MG/L-CL	.046	.027	.6	.31			
TOX AV.	MG/L-CL	.05075	.0295	.5935	.29475	.2421	.0556	97.396
WATER LEVEL	FEET	403.53	406.36	406.85	406.05	405.6975	2.1965	
TEMPERATURE	DEG. C	18.6	12.5	11.4	16	14.625	10.8692	

VALUES OF 0 INDICATE RESULTS BELOW DETECTION LIMITS ~~2 X STANDARD DEVIATION~~

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GRANITE CITY WELL #6 ILLINOIS DESIGNATION G106

DATE		10-04-82	01-04-83	04-05-83	07-05-83	ARITHMETIC MEAN	VARIANCE	COEFF OF VAR %
ARSENIC	MG/L	.03	.02	.05	.04	.035	.0002	40.406
BARIUM	MG/L	.28	.14	.16	.17	.1875	.004	33.731
CADMIUM	MG/L	.009	.005	.004	0	.0045	0	0
CHROMIUM	MG/L	.005	.009	.011	.013	.0095	0	0
LEAD	MG/L	0	.04	0	0	.01	.0004	200
MERCURY	MG/L	0	.0002	0	0	.0001	0	0
SELENIUM	MG/L	0	0	0	0	0	0	
SILVER	MG/L	0	.003	0	.003	.0015	0	0
IRON	MG/L	1.58	.07	.88	.1	.6575	.5188	109.55
MANGANESE	MG/L	5.11	4.91	3.2	6.19	4.8525	1.5298	25.489
SODIUM	MG/L	171	205	115	134	156.25	1596.9167	25.575
FLUORIDE	MG/L	1.1	.7	.8	.9	.875	.0292	19.529
NITROGEN, NITRATE	MG/L	.23	.2	0	.26	.1725	.0138	68.101
CHLORIDE	MG/L	220	204	146	230	200	1410.6667	18.779
PHENOL	MG/L	.949	21	19	16.2	14.2873	82.9462	63.745
SULFATE	MG/L	17	229	148	58	113	8974	83.833
ENDRIN	UG/L	0	0	0	0	0	0	
LINDANE	UG/L	0	0	0	0	0	0	
METHOXYCHLOR	UG/L	0	0	0	0	0	0	
TOXAPHENE	UG/L	0	0	0	0	0	0	
2,4-D	UG/L	0	0	0	0	0	0	
2,4,5-TP SILVEX	UG/L	0	0	0	0	0	0	
TOTAL RADIUM	PCI/L	0	0	0	0	0	0	
GROSS ALPHA	PCI/L	0	5.4	0	0	1.35	7.29	200
GROSS BETA	PCI/L	0	9.7	0	8.6	4.575	28.1092	115.89
COLIFORM, TOTAL (MF)	/100ML	TNTC	0	0	1200	400	360000	150
CONDUCTIVITY (A)	UMHOS	2000	1580	1510	1730			
(B)	UMHOS	2010	1590	1510	1740			
(C)	UMHOS	2020	1570	1500	1730			
(D)	UMHOS	2020	1570	1500	1740			
CONDUCTIVITY AV.	UMHOS	2012.5	1577.5	1505	1735	1707.5	40500	11.786
TOC (A)	MG/L	55.7	64.6	69.5	91.1			
(B)	MG/L	54.7	63.4	70.8	91.2			
(C)	MG/L	56.7	62.7	70	91.4			
(D)	MG/L	56	62.6	70.2	91.1			
TOC AV.	MG/L	55.775	63.325	70.125	91.2	70.1063	186.054	19.456
PH (A)	UNITS	6.91	6.66	7.68	7.18			
(B)	UNITS	6.92	6.67	7.69	7.18			
(C)	UNITS	6.91	6.65	7.67	7.18			
(D)	UNITS	6.92	6.67	7.68	7.17			
PH AV.	UNITS	6.92	6.6625	7.68	7.1775	7.1088	.1514	5.4735
TOX (A)	MG/L-CL	.085	.026	.065	.278			
(B)	MG/L-CL	.083	.025	.068	.242			
(C)	MG/L-CL	.08	.029	.067	.223			
(D)	MG/L-CL	.09	.025	.07	.275			
TOX AV.	MG/L-CL	.0845	.02625	.0675	.2545	.1082	.0082	83.691
WATER LEVEL	FEET	403.37	407.18	408.01	406.88	406.36	4.2018	
TEMPERATURE	DEG. C	17.9	14.5	13.4	16.2	15.5	3.8867	

VALUES OF 0 INDICATE RESULTS BELOW DETECTION LIMITS

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GRANITE CITY WELL #7 ILLINOIS DESIGNATION G107

DATE		10-04-82	01-04-83	04-05-83	07-05-83	ARITHMETIC MEAN	VARIANCE	COEFF OF VAR %
ARSENIC	MG/L	.04	.021	.26	.13	.1128	.0119	96.708
BARIUM	MG/L	.24	.14	.4	.28	.265	.0116	40.643
CADMIUM	MG/L	.009	.007	.006	.004	.0065	0	0
CHROMIUM	MG/L	.007	.015	.011	.014	.0118	0	0
LEAD	MG/L	0	.04	0	.03	.0175	.0004	114.29
MERCURY	MG/L	0	.001	.0002	0	.0003	0	0
SELENIUM	MG/L	0	0	.001	.001	.0005	0	0
SILVER	MG/L	0	.004	.005	.006	.0038	0	0
IRON	MG/L	29	11	68	50	39.5	615	62.783
MANGANESE	MG/L	17.6	15.6	17.1	13.8	16.025	2.9225	10.668
SODIUM	MG/L	419	432	417	387	413.75	362.25	4.6001
FLUORIDE	MG/L	.1	1	.5	.5	.525	.1358	70.192
NITROGEN, NITRATE	MG/L	0	.41	.4	.28	.2725	.0365	70.110
CHLORIDE	MG/L	363	432	510	660	491.25	16262.25	25.959
PHENOL	MG/L	18.3	16.4	12.9	12.8	15.1	7.3533	17.958
SULFATE	MG/L	112	212	128	114	141.5	2259.6667	33.594
ENDRIN	UG/L	0	0	0	0	0	0	
LINDANE	UG/L	0	0	0	0	0	0	
METHOXYCHLOR	UG/L	0	0	0	0	0	0	
TOXAPHENE	UG/L	0	0	0	0	0	0	
2,4-D	UG/L	0	0	0	0	0	0	
2,4,5-TP SILVEX	UG/L	0	0	0	0	0	0	
TOTAL RADIUM	PCI/L	0	.4	0	0	.1	.04	200
GROSS ALPHA	PCI/L	0	16.4	0	11.6	7	69.1733	118.81
GROSS BETA	PCI/L	0	42	0	9.3	12.825	397.5225	155.46
COLIFORM, TOTAL (MF)	/100ML	0	10	0	0	2.5	25	200
CONDUCTIVITY (A)	UMHOS	2550	2650	2760	2660			
(B)	UMHOS	2560	2670	2770	2670			
(C)	UMHOS	2570	2660	2770	2670			
(D)	UMHOS	2570	2660	2760	2660			
CONDUCTIVITY AV.	UMHOS	2562.5	2660	2765	2665	2663.125	5516.25	2.7889
TOC (A)	MG/L	135	132	159	110			
(B)	MG/L	134	130	159	107			
(C)	MG/L	137	130	161	103			
(D)	MG/L	135	130	160	109			
TOC AV.	MG/L	135.25	130.5	159.75	107.25	133.1875	373.2291	14.505
PH (A)	UNITS	6.62	6.47	7.01	6.85			
(B)	UNITS	6.64	6.47	7.02	6.86			
(C)	UNITS	6.64	6.48	7.01	6.85			
(D)	UNITS	6.63	6.48	7.01	6.85			
PH AV.	UNITS	6.63	6.475	7.0125	6.8525	6.7431	.045	3.1459
TOX (A)	MG/L-CL	7.42	3.2	3.1	1.036			
(B)	MG/L-CL	7.91	3.2	3.5	1.954			
(C)	MG/L-CL	7.88	3.2	3.5	2.1			
(D)	MG/L-CL	7.32	3.5	3.4	2.058			
TOX AV.	MG/L-CL	7.6325	3.275	3.375	1.787	4.0174	5.15	56.488
WATER LEVEL	FEET	403.09	406.28	406.03	405.39	405.1975	2.1145	
TEMPERATURE	DEG. C	19.9	15.2	13.9	16.4	16.35	6.6433	

VALUES OF 0 INDICATE RESULTS BELOW DETECTION LIMITS

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MON WELL
G101 REPORT DUE DATE 01-15-84 SITE INVENTORY # 1190400006

TEST	LATEST QUARTER MEAN	BASE MEAN	LATEST QUARTER VARIANCE	BASE VARIANCE	LATEST QUARTER # TEST	BASE # TEST	STUDENT T	LATEST QUARTER DEG FREEDOM	BASE YEAR DEG FREEDOM	T-C	COEFF OF VAR %
CONDUCTIVITY	877.5	769.38	25	7166.24	4	16	5.073541	4.541	2.602	2.6330	.56980
TOC	20.9	4.4188	.17	.8	4	16	54.18985	4.541	2.602	3.6952	1.9728
PH	7.46	7.228	.0007	.1767	4	16	2.190361	5.841	2.947	3.0069	.35466
TOX	.027	.1079	0	.007	4	16	-3.86776	4.541	2.602	2.602	0

MON WELL
G102

TEST	LATEST QUARTER MEAN	BASE MEAN	LATEST QUARTER VARIANCE	BASE VARIANCE	LATEST QUARTER # TEST	BASE # TEST	STUDENT T	LATEST QUARTER DEG FREEDOM	BASE YEAR DEG FREEDOM	T-C	COEFF OF VAR %
CONDUCTIVITY	1560	769.38	0	7166.24	4	16	37.35787	4.541	2.602	2.602	0
TOC	127	4.4188	.667	.8	4	16	263.2960	4.541	2.602	4.5068	.64307
PH	6.76	7.228	.0008	.1767	4	16	-4.41357	5.841	2.947	3.0154	.41841
TOX	.023	.1079	0	.007	4	16	-4.05900	4.541	2.602	2.602	0

MON WELL
G106

TEST	LATEST QUARTER MEAN	BASE MEAN	LATEST QUARTER VARIANCE	BASE VARIANCE	LATEST QUARTER # TEST	BASE # TEST	STUDENT T	LATEST QUARTER DEG FREEDOM	BASE YEAR DEG FREEDOM	T-C	COEFF OF VAR %
CONDUCTIVITY	1490	769.38	0	7166.24	4	16	34.05028	4.541	2.602	2.602	0
TOC	39.1	4.4188	1.23	.8	4	16	58.00375	4.541	2.602	4.7573	2.8365
PH	7.02	7.228	.0004	.1767	4	16	-1.97037	5.841	2.947	2.9814	.28490
TOX	.047	.1079	0	.007	4	16	-2.91158	4.541	2.602	2.602	0

MON WELL
G107

TEST	LATEST QUARTER MEAN	BASE MEAN	LATEST QUARTER VARIANCE	BASE VARIANCE	LATEST QUARTER # TEST	BASE # TEST	STUDENT T	LATEST QUARTER DEG FREEDOM	BASE YEAR DEG FREEDOM	T-C	COEFF OF VAR %
CONDUCTIVITY	2502.5	769.38	25	7166.24	4	16	81.32681	4.541	2.602	2.6330	.19980
TOC	149	4.4188	2.67	.8	4	16	170.6872	4.541	2.602	4.9551	1.0967
PH	6.73	7.228	.0013	.1767	4	16	-4.67060	5.841	2.947	3.0573	.53574
TOX	3.81	.1079	.0032	.007	4	16	105.2387	4.541	2.602	4.1772	1.4847

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MON WELL
G101 REPORT DUE DATE 04-15-84 SITE INVENTORY # 1190400006

TEST	LATEST QUARTER MEAN	BASE MEAN	LATEST QUARTER VARIANCE	BASE VARIANCE	LATEST QUARTER # TEST	BASE # TEST	STUDENT T	LATEST QUARTER DEG FREEDOM	BASE YEAR DEG FREEDOM	T-C	COEFF OF VAR %
CONDUCTIVITY	1012.5	769.38	25	7166.24	4	16	11.40843	4.541	2.602	2.6330	.49383
TOC	6.6	4.4188	.0158	.8	4	16	9.390739	4.541	2.602	2.7681	1.9045
PH	7.1	7.228	.0004	.1767	4	16	-1.21254	5.841	2.947	2.9814	.28169
TOX	.037	.1079	.0001	.007	4	16	-3.29678	4.541	2.602	2.7244	27.027

MON WELL
G102

CONDUCTIVITY	1612.5	769.38	25	7166.24	4	16	39.56348	4.541	2.602	2.6330	.31008
TOC	89.7	4.4188	.1425	.8	4	16	291.4426	4.541	2.602	3.5865	.42084
PH	6.7	7.228	.0001	.1767	4	16	-5.01862	5.841	2.947	2.9556	.14925
TOX	.131	.1079	.0001	.007	4	16	1.074128	4.541	2.602	2.7244	7.6336

MON WELL
G106

CONDUCTIVITY	1825	769.38	33.33	7166.24	4	16	49.42188	4.541	2.602	2.6432	.31634
TOC	33.1	4.4188	.7667	.8	4	16	58.34202	4.541	2.602	4.5718	2.6454
PH	6.62	7.228	.0002	.1767	4	16	-5.77251	5.841	2.947	2.9643	.21363
TOX	.081	.1079	.0001	.007	4	16	-1.25082	4.541	2.602	2.7244	12.346

MON WELL
G107 UNABLE TO MEASURE WELL CAVED IN

CONDUCTIVITY
TOC
PH
TOX

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MON WELL REPORT DUE DATE 07-15-84 SITE INVENTORY # 1190400006
G101

TEST	LATEST QUARTER MEAN	BASE MEAN	LATEST QUARTER VARIANCE	BASE VARIANCE	LATEST QUARTER # TEST	BASE # TEST	STUDENT T	LATEST QUARTER DEG FREEDOM	BASE YEAR DEG FREEDOM	T-C	COEFF OF VAR %
CONDUCTIVITY	1010	769.38	66.67	7166.24	4	16	11.16380	4.541	2.602	2.6830	.80843
TOC	8.4	4.4188	.016	.8	4	16	17.13236	4.541	2.602	2.7701	1.5058
PH	7.58	7.228	0	.1767	4	16	3.349534	5.841	2.947	2.947	0
TOX	.033	.1079	.0001	.007	4	16	-3.48278	4.541	2.602	2.7244	30.303

MON WELL
G102

TEST	LATEST QUARTER MEAN	BASE MEAN	LATEST QUARTER VARIANCE	BASE VARIANCE	LATEST QUARTER # TEST	BASE # TEST	STUDENT T	LATEST QUARTER DEG FREEDOM	BASE YEAR DEG FREEDOM	T-C	COEFF OF VAR %
CONDUCTIVITY	1050	769.38	2133.33	7166.24	4	16	8.958491	4.541	2.602	3.9091	4.3989
TOC	26.65	4.4188	.217	.8	4	16	68.85332	4.541	2.602	3.8497	1.7480
PH	6.72	7.228	0	.1767	4	16	-4.83399	5.841	2.947	2.947	0
TOX	.038	.1079	0	.007	4	16	-3.34186	4.541	2.602	2.602	0

MON WELL
G106

TEST	LATEST QUARTER MEAN	BASE MEAN	LATEST QUARTER VARIANCE	BASE VARIANCE	LATEST QUARTER # TEST	BASE # TEST	STUDENT T	LATEST QUARTER DEG FREEDOM	BASE YEAR DEG FREEDOM	T-C	COEFF OF VAR %
CONDUCTIVITY	1997.5	769.38	25	7166.24	4	16	57.62964	4.541	2.602	2.6330	.25031
TOC	31.5	4.4188	.009	.8	4	16	118.4745	4.541	2.602	2.6993	.30117
PH	6.85	7.228	0	.1767	4	16	-3.59694	5.841	2.947	2.947	0
TOX	.036	.1079	0	.007	4	16	-3.43748	4.541	2.602	2.602	0

MON WELL
G107

2.93

TEST	LATEST QUARTER MEAN	BASE MEAN	LATEST QUARTER VARIANCE	BASE VARIANCE	LATEST QUARTER # TEST	BASE # TEST	STUDENT T	LATEST QUARTER DEG FREEDOM	BASE YEAR DEG FREEDOM	T-C	COEFF OF VAR %
CONDUCTIVITY	1815	769.38	366.67	7166.24	4	16	45.01477	4.541	2.602	2.9920	1.0550
TOC	60.85	4.4188	.017	.8	4	16	242.2810	4.541	2.602	2.7798	.21427
PH	7.24	7.228	.0004	.1767	4	16	.1136752	5.841	2.947	2.9814	.27624
TOX	4.56	.1079	.1871	.007	4	16	20.48974	4.541	2.602	5.1283	9.4858

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MON WELL
G101 REPORT DUE DATE 10-15-84 SITE INVENTORY # 1190400006

TEST	LATEST QUARTER MEAN	BASE MEAN	LATEST QUARTER VARIANCE	BASE VARIANCE	LATEST QUARTER # TEST	BASE # TEST	STUDENT T*	LATEST QUARTER DEG FREEDOM	BASE YEAR DEG FREEDOM	T-C	COEFF OF VAR %
CONDUCTIVITY	1952.5	769.38	25	7166.24	4	16	55.51801	4.541	2.602	2.6330	.25608
TOC	7.23	4.4188	.0025	.8	4	16	12.49422	4.541	2.602	2.6298	.69156
PH	7.28	7.228	.0011	.1767	4	16	.4887695	5.841	2.947	3.0406	.45558
TOX	.015	.1079	0	.007	4	16	-4.44147	4.541	2.602	2.602	0

MON WELL
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CONDUCTIVITY	2295	769.38	33.33	7166.24	4	16	71.42628	4.541	2.602	2.6432	.25156
TOC	38.35	4.4188	.7633	.8	4	16	69.14303	4.541	2.602	4.5698	2.2781
PH	6.25	7.228	.0006	.1767	4	16	-9.24381	5.841	2.947	2.9984	.39192
TOX	.047	.1079	.0001	.007	4	16	-2.83179	4.541	2.602	2.7244	21.277

MON WELL
G106

CONDUCTIVITY	2117.5	769.38	25	7166.24	4	16	63.26065	4.541	2.602	2.6330	.23613
TOC	24.18	4.4188	.0625	.8	4	16	77.13983	4.541	2.602	3.1531	1.0339
PH	6.75	7.228	.0002	.1767	4	16	-4.53825	5.841	2.947	2.9643	.20951
TOX	.033	.1079	0	.007	4	16	-3.58090	4.541	2.602	2.602	0

MON WELL
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CONDUCTIVITY	1842.5	769.38	25	7166.24	4	16	50.35625	4.541	2.602	2.6330	.27137
TOC	35.78	4.4188	.4158	.8	4	16	79.92871	4.541	2.602	4.2534	1.8022
PH	6.64	7.228	.0002	.1767	4	16	-5.58262	5.841	2.947	2.9643	.21298
TOX	.127	.1079	.0162	.007	4	16	.2851223	4.541	2.602	4.8763	100.22

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