

May 01, 1995

Oak Ridge National Laboratory  
Attn: Mr. Jim Terry (MS 6200)  
P.O. Box 2008  
Oak Ridge, TN 37831-6200

SUBJECT: INFORMATION RELATED TO THE DEVELOPMENT OF AN ENVIRONMENTAL IMPACT  
STATEMENT FOR THE SHIELDALLOY METALLURGICAL CORPORATION, CAMBRIDGE,  
OHIO, FACILITY (FIN L2094, TASK 2)

Dear Mr. Terry:

The enclosed slug test data for the Shieldalloy Metallurgical Corporation,  
Cambridge, Ohio, site was recently received from Bennett & Williams. This  
data is forwarded for your information and use in the subject development  
effort.

Please contact Mr. Mark Thaggard of our staff at (301) 415-6718 if you have  
any questions or if you want the data on diskette.

Sincerely,

[Original signed by]

R. A. Nelson, Project Manager  
Low-Level Waste and Decommissioning  
Projects Branch  
Division of Waste Management  
Office of Nuclear Material Safety  
and Safeguards

Docket No.: 040-08948  
License No.: SMB-1507  
Enclosure: As stated

TICKET: N/A

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DATE	4/28/95	H	5/1/95	H	/ /95	/ /95	/ /95	/ /95	

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IG : YES ☐ NO ☒  
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PDR per  
C. Allana  
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# *BENNETT & WILLIAMS*

ENVIRONMENTAL  
ENGINEERS      GEOLOGISTS

2700 EAST DUBLIN GRANVILLE ROAD  
SUITE 500  
COLUMBUS, OHIO 43231  
614/882-9122  
1-800-635-3810  
FAX 614/882-4260

## MEMORANDUM

To: Scott Rutherford, Bennett & Williams, ECI  
Mark Thaggard, US NRC  
Walt Shields, PTI (w/o enclosure)

From: Duane Carey DC

Date: April 14, 1995

Re: Slug Test Data, Shieldalloy Metallurgical Corp. (SMC)

On April 10 and April 11, 1995, slug tests were performed on MW-24, MW-19 and MW-2R at the SMC Cambridge, Ohio site. The tests were performed with a 3-ft long, 1.5-in diameter stainless steel slug. Water level data were recorded with a Hermit 2000 Environmental Datalogger and a pressure transducer. The accompanying diskette contains the raw data from these tests. The test data are assigned as follows:

Test	Date	Well	Description
1*	4/10	MW-24	Pre-test Water Levels
2*	4/10	MW-24	Falling Head Slug Test
3	4/11	MW-24	Pre-test Water Levels
4	4/11	MW-24	Falling Head Slug Test
5	4/11	MW-24	Rising Head Slug Test
6	4/11	MW-19	Pre-test Water Levels
7	4/11	MW-19	Falling Head Slug Test
8	4/11	MW-19	Rising Head Slug Test
9	4/11	MW-2R	Pre-test Water Levels
10	4/11	MW-2R	Falling Head Slug Test
11	4/11	MW-2R	Rising Head Slug Test

\* Tests were performed again (Tests 3 and 4) after slug was modified for easier handling;  
do not use Tests 1 and 2 for analysis.

Additional Data:

Well	Depth	Screened Interval	Depth to Water	Lithology
MW-24	23 ft	18 to 23 ft	8.1 ft	0 to 10 ft: dry silty clay 10 to 18 ft: moist clayey silt 18 to 24 ft: wet silty sand
MW-19	30 ft	25 to 30 ft	3.2 ft	0 to 14.5 ft: dry silty clay 14.5 to 26 ft: moist clayey silt 26 to 30 ft: wet clay/sand interbeds
MW-2R	31 ft	26 to 31 ft	8.0 ft	0 to 13 ft: dry silty clay 13 to 24 ft: moist clayey silt 24 to 30 ft: wet silty sand

Enclosure

SE2000  
Environmental Logger  
04/12 17:56

Unit# 391      Test 1

Setups:      INPUT 1

-----  
Type      Level (F)  
Mode      TOC  
I.D.

Reference      0.000  
SG      1.000  
Linearity      0.000  
Scale factor      16.000  
Offset      4.000  
Delay mSEC      50.000

Step 0    04/10 11:22:01

Elapsed Time    INPUT 1

-----  
0.0000      0.035  
1.0000      0.060  
2.0000      0.080  
3.0000      0.096  
4.0000      0.096  
5.0000      0.106  
6.0000      0.106  
7.0000      0.111  
8.0000      0.116  
9.0000      0.116  
10.0000      0.116  
11.0000      0.121  
12.0000      0.121  
13.0000      0.121  
14.0000      0.121  
15.0000      0.121  
16.0000      0.121  
17.0000      0.121  
18.0000      0.121  
19.0000      0.121  
20.0000      0.121  
21.0000      0.121  
22.0000      0.126  
23.0000      0.121  
24.0000      0.121  
25.0000      0.126  
26.0000      0.126  
27.0000      0.126  
28.0000      0.126  
29.0000      0.126

30.0000	0.126
31.0000	0.126
32.0000	0.126
33.0000	0.126
34.0000	0.126
35.0000	0.126
36.0000	0.121
37.0000	0.121
38.0000	0.126
39.0000	0.126
40.0000	0.126
41.0000	0.126
42.0000	0.121
43.0000	0.121
44.0000	0.121
45.0000	0.116
46.0000	0.116
47.0000	0.121
48.0000	0.121
49.0000	0.116
50.0000	0.121
51.0000	0.116
52.0000	0.116
53.0000	0.121
54.0000	0.116
55.0000	0.116
56.0000	0.121
57.0000	0.121
58.0000	0.116
59.0000	0.116
60.0000	0.121
61.0000	0.121
62.0000	0.121
63.0000	0.121
64.0000	0.121
65.0000	0.121
66.0000	0.116
67.0000	0.116
68.0000	0.121
69.0000	0.121
70.0000	0.121
71.0000	0.116
72.0000	0.116
73.0000	0.116
74.0000	0.116
75.0000	0.121
76.0000	0.131
77.0000	0.136
78.0000	0.136
79.0000	0.141
80.0000	0.136
81.0000	0.131
82.0000	0.126
83.0000	0.126

84.0000	0.131
85.0000	0.141
86.0000	0.146
87.0000	0.151
88.0000	0.146
89.0000	0.136
90.0000	0.136
91.0000	0.136
92.0000	0.136
93.0000	0.136
94.0000	0.136
95.0000	0.136
96.0000	0.131
97.0000	0.136
98.0000	0.136
99.0000	0.131
100.000	0.131
101.000	0.131
102.000	0.126
103.000	0.126
104.000	0.126
105.000	0.126
106.000	0.126
107.000	0.131
108.000	0.126
109.000	0.126
110.000	0.121
111.000	0.121
112.000	0.126
113.000	0.121
114.000	0.121
115.000	0.116
116.000	0.116
117.000	0.116
118.000	0.111
119.000	0.111
120.000	0.106
121.000	0.106
122.000	0.111
123.000	0.111
124.000	0.111
125.000	0.106
126.000	0.106
127.000	0.106
128.000	0.106
129.000	0.106
130.000	0.106
131.000	0.101
132.000	0.101
133.000	0.101
134.000	0.101
135.000	0.101
136.000	0.101
137.000	0.101

138.000	0.106
139.000	0.101
140.000	0.101
141.000	0.101
142.000	0.101
143.000	0.101
144.000	0.101
145.000	0.096
146.000	0.101
147.000	0.101
148.000	0.101
149.000	0.101
150.000	0.096
151.000	0.101
152.000	0.096
153.000	0.096
154.000	0.096

SE2000  
Environmental Logger  
04/12 17:55

Unit# 391      Test 2

Setups:      INPUT 1

-----  
Type      Level (F)  
Mode      TOC  
I.D.

Reference      0.000  
SG      1.000  
Linearity      0.108  
Scale factor      20.064  
Offset      -0.064  
Delay mSEC      50.000

Step 0    04/10 14:51:55

Elapsed Time    INPUT 1

-----  
0.0000      0.000  
0.0083      -0.019  
0.0166      -0.019  
0.0250      -0.019  
0.0333      -0.019  
0.0416      -0.012  
0.0500      -0.025  
0.0583      -0.839  
0.0666      -0.521  
0.0750      -2.118  
0.0833      -1.412  
0.0916      -2.054  
0.1000      -3.633  
0.1083      -1.233  
0.1166      -2.442  
0.1250      -1.323  
0.1333      -2.360  
0.1416      -1.558  
0.1500      -1.711  
0.1583      -1.908  
0.1666      -1.679  
0.1750      -1.736  
0.1833      -1.717  
0.1916      -1.679  
0.2000      -1.692  
0.2083      -1.666  
0.2166      -1.653  
0.2250      -1.641  
0.2333      -1.628  
0.2416      -1.622



0.2500	-1.520
0.2583	-1.641
0.2666	-1.443
0.2750	-1.507
0.2833	-1.628
0.2916	-1.494
0.3000	-1.552
0.3083	-1.520
0.3166	-1.507
0.3250	-1.507
0.3333	-1.494
0.3500	-1.475
0.3666	-1.469
0.3833	-1.723
0.4000	-1.513
0.4166	-1.342
0.4333	-1.367
0.4500	-1.373
0.4666	-1.354
0.4833	-1.335
0.5000	-1.316
0.5166	-1.310
0.5333	-1.291
0.5500	-1.272
0.5666	-1.265
0.5833	-1.246
0.6000	-1.240
0.6166	-1.221
0.6333	-1.214
0.6500	-1.202
0.6666	-1.189
0.6833	-1.170
0.7000	-1.164
0.7166	-1.151
0.7333	-1.138
0.7500	-1.132
0.7666	-1.119
0.7833	-1.106
0.8000	-1.094
0.8166	-1.087
0.8333	-1.074
0.8500	-1.062
0.8666	-1.055
0.8833	-1.049
0.9000	-1.036
0.9166	-1.024
0.9333	-1.011
0.9500	-1.004
0.9666	-0.998
0.9833	-0.985
1.0000	-0.979
1.2000	-0.877
1.4000	-0.788
1.6000	-0.712

1.8000	-0.642
2.0000	-0.585
2.2000	-0.527
2.4000	-0.477
2.6000	-0.432
2.8000	-0.394
3.0000	-0.356
3.2000	-0.318
3.4000	-0.292
3.6000	-0.260
3.8000	-0.235
4.0000	-0.209
4.2000	-0.190
4.4000	-0.171
4.6000	-0.152
4.8000	-0.133
5.0000	-0.120
5.2000	-0.101
5.4000	-0.089
5.6000	-0.075
5.8000	-0.069
6.0000	-0.057
6.2000	-0.044
6.4000	-0.038
6.6000	-0.031
6.8000	-0.025
7.0000	-0.012
7.2000	-0.006
7.4000	0.000
7.6000	0.006
7.8000	0.012
8.0000	0.019
8.2000	0.025
8.4000	0.025
8.6000	0.025
8.8000	0.031
9.0000	0.038
9.2000	0.038
9.4000	0.044
9.6000	0.044
9.8000	0.050
10.0000	0.050

SE2000  
Environmental Logger  
04/12 17:54

Unit# 391      Test 3

Setups:	INPUT 1
-----	-----
Type	Level (F)
Mode	TOC
I.D.	

Reference	0.000
SG	1.000
Linearity	0.108
Scale factor	20.064
Offset	-0.064
Delay mSEC	50.000

Step 0 04/11 14:10:57

Elapsed Time	INPUT 1
-----	-----
0.0000	0.000
1.0000	0.000
2.0000	0.000
3.0000	0.000
4.0000	0.000
5.0000	0.000
6.0000	0.006
7.0000	0.000
8.0000	0.000
9.0000	0.000
10.0000	0.000
11.0000	0.000
12.0000	0.000
13.0000	0.006
14.0000	0.006
15.0000	0.000
16.0000	0.000
17.0000	0.000
18.0000	0.000
19.0000	0.000
20.0000	0.000
21.0000	0.000
22.0000	0.006
23.0000	0.000
24.0000	0.000
25.0000	-0.006
26.0000	-0.006
27.0000	-0.006
28.0000	0.000
29.0000	0.000

30.0000	0.000
31.0000	-0.006
32.0000	-0.012
33.0000	-0.012
34.0000	-0.006
35.0000	-0.012

SE2000  
Environmental Logger  
04/12 17:53

Unit# 391      Test 4

Setups:      INPUT 1

-----  
Type      Level (F)  
Mode      TOC  
I.D.

Reference      0.000  
SG      1.000  
Linearity      0.108  
Scale factor      20.064  
Offset      -0.064  
Delay mSEC      50.000

Step 0    04/11 15:06:57

Elapsed Time    INPUT 1

-----  
0.0000      -0.006  
0.0083      -0.095  
0.0166      -1.157  
0.0250      -1.927  
0.0333      -1.355  
0.0416      -0.674  
0.0500      -1.507  
0.0583      -1.087  
0.0666      -1.259  
0.0750      -1.221  
0.0833      -1.176  
0.0916      -1.215  
0.1000      -1.164  
0.1083      -1.176  
0.1166      -1.157  
0.1250      -1.145  
0.1333      -1.138  
0.1416      -1.126  
0.1500      -1.119  
0.1583      -1.106  
0.1666      -1.100  
0.1750      -1.094  
0.1833      -1.081  
0.1916      -1.075  
0.2000      -1.075  
0.2083      -1.062  
0.2166      -1.056  
0.2250      -1.049  
0.2333      -1.043  
0.2416      -1.036

0.2500	-1.030
0.2583	-1.024
0.2666	-1.024
0.2750	-1.017
0.2833	-1.011
0.2916	-1.005
0.3000	-0.998
0.3083	-0.992
0.3166	-0.986
0.3250	-0.979
0.3333	-0.979
0.3500	-0.960
0.3666	-0.954
0.3833	-0.941
0.4000	-0.935
0.4166	-0.922
0.4333	-0.909
0.4500	-0.903
0.4666	-0.896
0.4833	-0.884
0.5000	-0.877
0.5166	-0.871
0.5333	-0.858
0.5500	-0.846
0.5666	-0.839
0.5833	-0.833
0.6000	-0.827
0.6166	-0.814
0.6333	-0.814
0.6500	-0.801
0.6666	-0.795
0.6833	-0.788
0.7000	-0.782
0.7166	-0.776
0.7333	-0.769
0.7500	-0.757
0.7666	-0.750
0.7833	-0.744
0.8000	-0.744
0.8166	-0.737
0.8333	-0.731
0.8500	-0.718
0.8666	-0.718
0.8833	-0.706
0.9000	-0.706
0.9166	-0.699
0.9333	-0.693
0.9500	-0.687
0.9666	-0.680
0.9833	-0.674
1.0000	-0.667
1.2000	-0.597
1.4000	-0.547
1.6000	-0.496

1.8000	-0.451
2.0000	-0.407
2.2000	-0.381
2.4000	-0.343
2.6000	-0.311
2.8000	-0.286
3.0000	-0.260
3.2000	-0.235
3.4000	-0.216
3.6000	-0.197
3.8000	-0.178
4.0000	-0.159
4.2000	-0.146
4.4000	-0.133
4.6000	-0.114
4.8000	-0.101
5.0000	-0.095
5.2000	-0.082
5.4000	-0.076
5.6000	-0.063
5.8000	-0.057
6.0000	-0.050
6.2000	-0.044
6.4000	-0.038
6.6000	-0.031
6.8000	-0.025
7.0000	-0.025
7.2000	-0.019
7.4000	-0.012
7.6000	-0.006
7.8000	-0.006
8.0000	0.000
8.2000	0.000
8.4000	0.006
8.6000	0.006
8.8000	0.012
9.0000	0.012
9.2000	0.019
9.4000	0.019
9.6000	0.019
9.8000	0.025
10.0000	0.025
12.0000	0.044

SE2000  
Environmental Logger  
04/12 17:51

Unit# 391      Test 5

Setups:      INPUT 1

-----  
Type      Level (F)  
Mode      TOC  
I.D.

Reference      0.000  
SG      1.000  
Linearity      0.108  
Scale factor      20.064  
Offset      -0.064  
Delay mSEC      50.000

Step 0   04/11 15:24:57

Elapsed Time      INPUT 1

-----  
0.0000      0.992  
0.0083      1.996  
0.0166      1.093  
0.0250      1.678  
0.0333      1.437  
0.0416      1.373  
0.0500      1.456  
0.0583      1.386  
0.0666      1.380  
0.0750      1.380  
0.0833      1.361  
0.0916      1.348  
0.1000      1.341  
0.1083      1.335  
0.1166      1.329  
0.1250      1.316  
0.1333      1.335  
0.1416      1.297  
0.1500      1.291  
0.1583      1.284  
0.1666      1.278  
0.1750      1.271  
0.1833      1.265  
0.1916      1.259  
0.2000      1.252  
0.2083      1.246  
0.2166      1.240  
0.2250      1.233  
0.2333      1.233  
0.2416      1.233



0.2500	1.221
0.2583	1.221
0.2666	1.214
0.2750	1.208
0.2833	1.208
0.2916	1.208
0.3000	1.195
0.3083	1.195
0.3166	1.195
0.3250	1.182
0.3333	1.182
0.3500	1.170
0.3666	1.157
0.3833	1.157
0.4000	1.151
0.4166	1.138
0.4333	1.132
0.4500	1.125
0.4666	1.119
0.4833	1.113
0.5000	1.100
0.5166	1.093
0.5333	1.087
0.5500	1.081
0.5666	1.081
0.5833	1.068
0.6000	1.062
0.6166	1.055
0.6333	1.055
0.6500	1.043
0.6666	1.043
0.6833	1.036
0.7000	1.030
0.7166	1.023
0.7333	1.017
0.7500	1.011
0.7666	1.011
0.7833	1.004
0.8000	0.998
0.8166	0.992
0.8333	0.985
0.8500	0.979
0.8666	0.973
0.8833	0.966
0.9000	0.960
0.9166	0.960
0.9333	0.954
0.9500	0.947
0.9666	0.941
0.9833	0.941
1.0000	0.934
1.2000	0.877
1.4000	0.820
1.6000	0.769

1.8000	0.718
2.0000	0.674
2.2000	0.629
2.4000	0.591
2.6000	0.553
2.8000	0.521
3.0000	0.489
3.2000	0.457
3.4000	0.432
3.6000	0.407
3.8000	0.381
4.0000	0.356
4.2000	0.337
4.4000	0.311
4.6000	0.298
4.8000	0.279
5.0000	0.260
5.2000	0.248
5.4000	0.241
5.6000	0.222
5.8000	0.209
6.0000	0.197
6.2000	0.190
6.4000	0.171
6.6000	0.165
6.8000	0.159
7.0000	0.146
7.2000	0.139
7.4000	0.133
7.6000	0.120
7.8000	0.120
8.0000	0.108
8.2000	0.108
8.4000	0.101
8.6000	0.095
8.8000	0.089
9.0000	0.089
9.2000	0.082
9.4000	0.076
9.6000	0.070
9.8000	0.069
10.0000	0.069
12.0000	0.044
14.0000	0.031
16.0000	0.025
18.0000	0.019
20.0000	0.006
22.0000	0.012
24.0000	0.006

SE2000  
Environmental Logger  
04/12 17:51

Unit# 391      Test 6

Setups:      INPUT 1  
-----  
Type      Level (F)  
Mode      TOC  
I.D.

Reference      0.000  
SG      1.000  
Linearity      0.108  
Scale factor      20.064  
Offset      -0.064  
Delay mSEC      50.000

Step 0    04/11 16:08:47

Elapsed Time    INPUT 1  
-----  
0.0000      0.000  
1.0000      0.019  
2.0000      0.025  
3.0000      0.031  
4.0000      0.038  
5.0000      0.044  
6.0000      0.044  
7.0000      0.044  
8.0000      0.050  
9.0000      0.050  
10.0000      0.057  
11.0000      0.057  
12.0000      0.057  
13.0000      0.057  
14.0000      0.057  
15.0000      0.057  
16.0000      0.063  
17.0000      0.050  
18.0000      0.057  
19.0000      0.057  
20.0000      0.057  
21.0000      0.063  
22.0000      0.063  
23.0000      0.063  
24.0000      0.063  
25.0000      0.063  
26.0000      0.063  
27.0000      0.063  
28.0000      0.063  
29.0000      0.063

30.0000	0.063
31.0000	0.050
32.0000	0.050

SE2000  
Environmental Logger  
04/12 17:48

Unit# 391      Test 7

Setups:      INPUT 1  
-----  
Type      Level (F)  
Mode      TOC  
I.D.

Reference	0.000
SG	1.000
Linearity	0.108
Scale factor	20.064
Offset	-0.064
Delay mSEC	50.000

Step 0   04/11 16:51:42

Elapsed Time	INPUT 1
-----	-----
0.0000	-1.807
0.0083	-1.132
0.0166	-0.604
0.0250	-0.935
0.0333	-1.183
0.0416	-0.941
0.0500	-0.884
0.0583	-0.999
0.0666	-0.967
0.0750	-0.916
0.0833	-0.941
0.0916	-0.935
0.1000	-0.916
0.1083	-0.916
0.1166	-0.909
0.1250	-0.903
0.1333	-0.897
0.1416	-0.897
0.1500	-0.890
0.1583	-0.884
0.1666	-0.884
0.1750	-0.878
0.1833	-0.878
0.1916	-0.871
0.2000	-0.871
0.2083	-0.865
0.2166	-0.865
0.2250	-0.859
0.2333	-0.859
0.2416	-0.852

0.2500	-0.846
0.2583	-0.846
0.2666	-0.839
0.2750	-0.839
0.2833	-0.839
0.2916	-0.833
0.3000	-0.833
0.3083	-0.833
0.3166	-0.827
0.3250	-0.820
0.3333	-0.820
0.3500	-0.814
0.3666	-0.808
0.3833	-0.808
0.4000	-0.801
0.4166	-0.795
0.4333	-0.789
0.4500	-0.789
0.4666	-0.782
0.4833	-0.776
0.5000	-0.776
0.5166	-0.769
0.5333	-0.763
0.5500	-0.763
0.5666	-0.757
0.5833	-0.757
0.6000	-0.750
0.6166	-0.750
0.6333	-0.744
0.6500	-0.738
0.6666	-0.731
0.6833	-0.731
0.7000	-0.725
0.7166	-0.725
0.7333	-0.719
0.7500	-0.712
0.7666	-0.706
0.7833	-0.706
0.8000	-0.706
0.8166	-0.699
0.8333	-0.693
0.8500	-0.693
0.8666	-0.687
0.8833	-0.687
0.9000	-0.680
0.9166	-0.680
0.9333	-0.674
0.9500	-0.674
0.9666	-0.668
0.9833	-0.661
1.0000	-0.661
1.2000	-0.623
1.4000	-0.585
1.6000	-0.547

1.8000	-0.521
2.0000	-0.489
2.2000	-0.458
2.4000	-0.432
2.6000	-0.407
2.8000	-0.381
3.0000	-0.356
3.2000	-0.330
3.4000	-0.311
3.6000	-0.292
3.8000	-0.273
4.0000	-0.254
4.2000	-0.229
4.4000	-0.216
4.6000	-0.197
4.8000	-0.178
5.0000	-0.165
5.2000	-0.152
5.4000	-0.133
5.6000	-0.120
5.8000	-0.108
6.0000	-0.095
6.2000	-0.082
6.4000	-0.069
6.6000	-0.057
6.8000	-0.050
7.0000	-0.044
7.2000	-0.031
7.4000	-0.019
7.6000	-0.012
7.8000	0.000
8.0000	0.006
8.2000	0.012
8.4000	0.019
8.6000	0.025
8.8000	0.038
9.0000	0.044
9.2000	0.050
9.4000	0.057
9.6000	0.063
9.8000	0.069
10.0000	0.076
12.0000	0.133
14.0000	0.165
16.0000	0.184
18.0000	0.209
20.0000	0.216
22.0000	0.229
24.0000	0.235
26.0000	0.235
28.0000	0.241
30.0000	0.241
32.0000	0.248
34.0000	0.241

36.0000	0.241
38.0000	0.248
40.0000	0.235



SE2000  
Environmental Logger  
04/12 17:47

Unit# 391      Test 8

Setups:	INPUT 1
-----	-----
Type	Level (F)
Mode	TOC
I.D.	

Reference	0.000
SG	1.000
Linearity	0.108
Scale factor	20.064
Offset	-0.064
Delay mSEC	50.000

Step 0 04/11 17:34:49

Elapsed Time	INPUT 1
-----	-----
0.0000	0.909
0.0083	1.628
0.0166	1.596
0.0250	1.488
0.0333	1.469
0.0416	1.463
0.0500	1.431
0.0583	1.418
0.0666	1.399
0.0750	1.431
0.0833	1.374
0.0916	1.361
0.1000	1.355
0.1083	1.348
0.1166	1.335
0.1250	1.335
0.1333	1.329
0.1416	1.316
0.1500	1.316
0.1583	1.310
0.1666	1.304
0.1750	1.304
0.1833	1.297
0.1916	1.291
0.2000	1.291
0.2083	1.285
0.2166	1.278
0.2250	1.278
0.2333	1.272
0.2416	1.272

0.2500	1.265
0.2583	1.259
0.2666	1.259
0.2750	1.259
0.2833	1.253
0.2916	1.246
0.3000	1.246
0.3083	1.246
0.3166	1.240
0.3250	1.234
0.3333	1.234
0.3500	1.227
0.3666	1.221
0.3833	1.215
0.4000	1.208
0.4166	1.208
0.4333	1.202
0.4500	1.195
0.4666	1.195
0.4833	1.189
0.5000	1.183
0.5166	1.176
0.5333	1.170
0.5500	1.170
0.5666	1.164
0.5833	1.157
0.6000	1.157
0.6166	1.151
0.6333	1.151
0.6500	1.145
0.6666	1.138
0.6833	1.138
0.7000	1.132
0.7166	1.126
0.7333	1.126
0.7500	1.119
0.7666	1.119
0.7833	1.113
0.8000	1.106
0.8166	1.106
0.8333	1.100
0.8500	1.100
0.8666	1.094
0.8833	1.094
0.9000	1.087
0.9166	1.081
0.9333	1.081
0.9500	1.081
0.9666	1.075
0.9833	1.068
1.0000	1.068
1.2000	1.024
1.4000	0.986
1.6000	0.954

1.8000	0.916
2.0000	0.884
2.2000	0.858
2.4000	0.827
2.6000	0.801
2.8000	0.776
3.0000	0.750
3.2000	0.725
3.4000	0.699
3.6000	0.680
3.8000	0.655
4.0000	0.636
4.2000	0.617
4.4000	0.598
4.6000	0.578
4.8000	0.559
5.0000	0.540
5.2000	0.528
5.4000	0.508
5.6000	0.496
5.8000	0.483
6.0000	0.470
6.2000	0.451
6.4000	0.438
6.6000	0.426
6.8000	0.413
7.0000	0.400
7.2000	0.388
7.4000	0.381
7.6000	0.369
7.8000	0.356
8.0000	0.343
8.2000	0.337
8.4000	0.330
8.6000	0.318
8.8000	0.311
9.0000	0.299
9.2000	0.292
9.4000	0.286
9.6000	0.279
9.8000	0.273
10.0000	0.267
12.0000	0.209
14.0000	0.159
16.0000	0.133
18.0000	0.108
20.0000	0.089
22.0000	0.076
24.0000	0.057
26.0000	0.057
28.0000	0.050
30.0000	0.038
32.0000	0.038
34.0000	0.031

36.0000	0.031
38.0000	0.031
40.0000	0.025
42.0000	0.025
44.0000	0.025
46.0000	0.019
48.0000	0.019
50.0000	0.012
52.0000	0.012
54.0000	0.006
56.0000	0.006
58.0000	0.006
60.0000	0.006

SE2000  
Environmental Logger  
04/12 17:46

Unit# 391      Test 9

Setups:      INPUT 1

-----  
Type            Level (F)  
Mode            TOC  
I.D.

Reference      0.000  
SG              1.000  
Linearity      0.108  
Scale factor    20.064  
Offset          -0.064  
Delay mSEC      50.000

Step 0    04/11 19:06:20

Elapsed Time    INPUT 1

-----  
0.0000      0.000  
1.0000      0.006  
2.0000      0.012  
3.0000      0.012  
4.0000      0.019  
5.0000      0.006  
6.0000      0.012  
7.0000      0.012  
8.0000      0.012  
9.0000      0.019  
10.0000      0.025  
11.0000      0.012  
12.0000      0.012  
13.0000      0.012  
14.0000      0.019  
15.0000      0.012  
16.0000      0.019  
17.0000      0.012  
18.0000      0.019  
19.0000      0.019  
20.0000      0.019  
21.0000      0.019  
22.0000      0.012  
23.0000      0.012  
24.0000      0.012  
25.0000      0.012  
26.0000      0.006  
27.0000      0.012  
28.0000      0.012

SE2000  
Environmental Logger  
04/12 17:43

Unit# 391      Test 10

Setups:      INPUT 1

-----  
Type      Level (F)  
Mode      TOC  
I.D.

Reference      0.000  
SG      1.000  
Linearity      0.108  
Scale factor      20.064  
Offset      -0.064  
Delay mSEC      50.000

Step 0 04/11 19:43:12

Elapsed Time      INPUT 1

-----  
0.0000      -0.840  
0.0083      -1.929  
0.0166      -2.406  
0.0250      -0.948  
0.0333      -0.897  
0.0416      -1.413  
0.0500      -1.254  
0.0583      -1.209  
0.0666      -1.209  
0.0750      -1.171  
0.0833      -1.152  
0.0916      -1.133  
0.1000      -1.114  
0.1083      -1.095  
0.1166      -1.075  
0.1250      -1.056  
0.1333      -1.044  
0.1416      -1.025  
0.1500      -1.012  
0.1583      -0.993  
0.1666      -0.974  
0.1750      -0.961  
0.1833      -0.942  
0.1916      -0.929  
0.2000      -0.916  
0.2083      -0.897  
0.2166      -0.884  
0.2250      -0.872  
0.2333      -0.853  
0.2416      -0.840

0.2500	-0.827
0.2583	-0.814
0.2666	-0.802
0.2750	-0.789
0.2833	-0.776
0.2916	-0.763
0.3000	-0.757
0.3083	-0.744
0.3166	-0.732
0.3250	-0.719
0.3333	-0.706
0.3500	-0.687
0.3666	-0.662
0.3833	-0.636
0.4000	-0.611
0.4166	-0.604
0.4333	-0.585
0.4500	-0.572
0.4666	-0.553
0.4833	-0.541
0.5000	-0.522
0.5166	-0.496
0.5333	-0.490
0.5500	-0.477
0.5666	-0.464
0.5833	-0.445
0.6000	-0.445
0.6166	-0.426
0.6333	-0.413
0.6500	-0.407
0.6666	-0.394
0.6833	-0.381
0.7000	-0.375
0.7166	-0.362
0.7333	-0.350
0.7500	-0.343
0.7666	-0.337
0.7833	-0.324
0.8000	-0.318
0.8166	-0.305
0.8333	-0.299
0.8500	-0.292
0.8666	-0.280
0.8833	-0.273
0.9000	-0.267
0.9166	-0.254
0.9333	-0.248
0.9500	-0.241
0.9666	-0.235
0.9833	-0.229
1.0000	-0.222
1.2000	-0.165
1.4000	-0.114
1.6000	-0.082

1.8000	-0.063
2.0000	-0.044
2.2000	-0.025
2.4000	-0.019
2.6000	-0.012
2.8000	-0.012
3.0000	-0.006
3.2000	-0.006
3.4000	0.000
3.6000	-0.006
3.8000	0.000
4.0000	0.000
4.2000	0.000
4.4000	0.006
4.6000	0.000
4.8000	0.000
5.0000	0.006
5.2000	0.006
5.4000	0.006
5.6000	0.006
5.8000	0.006
6.0000	0.006
6.2000	0.006
6.4000	0.006
6.6000	0.012
6.8000	0.006
7.0000	0.006
7.2000	0.025
7.4000	0.006
7.6000	0.000
7.8000	0.006
8.0000	0.000
8.2000	0.006
8.4000	0.012
8.6000	0.012
8.8000	0.006
9.0000	0.006
9.2000	0.006
9.4000	0.012
9.6000	0.000
9.8000	0.006
10.0000	0.006
12.0000	0.012
14.0000	0.006
16.0000	0.006



SE2000  
Environmental Logger  
04/12 17:39

Unit# 391      Test 11

Setups:      INPUT 1

-----  
Type      Level (F)  
Mode      TOC  
I.D.

Reference      0.000  
SG      1.000  
Linearity      0.108  
Scale factor      20.064  
Offset      -0.064  
Delay mSEC      50.000

Step 0   04/11 20:04:48

Elapsed Time      INPUT 1

-----  
0.0000      1.985  
0.0083      1.279  
0.0166      1.616  
0.0250      1.419  
0.0333      1.438  
0.0416      1.393  
0.0500      1.368  
0.0583      1.336  
0.0666      1.317  
0.0750      1.285  
0.0833      1.266  
0.0916      1.260  
0.1000      1.222  
0.1083      1.164  
0.1166      1.183  
0.1250      1.177  
0.1333      1.152  
0.1416      1.126  
0.1500      1.113  
0.1583      1.094  
0.1666      1.075  
0.1750      1.056  
0.1833      1.043  
0.1916      1.031  
0.2000      1.012  
0.2083      0.999  
0.2166      0.986  
0.2250      0.967  
0.2333      0.954  
0.2416      0.942

0.2500	0.922
0.2583	0.910
0.2666	0.897
0.2750	0.884
0.2833	0.872
0.2916	0.859
0.3000	0.846
0.3083	0.833
0.3166	0.821
0.3250	0.808
0.3333	0.795
0.3500	0.776
0.3666	0.751
0.3833	0.732
0.4000	0.712
0.4166	0.693
0.4333	0.674
0.4500	0.655
0.4666	0.642
0.4833	0.623
0.5000	0.598
0.5166	0.535
0.5333	0.572
0.5500	0.560
0.5666	0.541
0.5833	0.528
0.6000	0.515
0.6166	0.502
0.6333	0.483
0.6500	0.477
0.6666	0.464
0.6833	0.451
0.7000	0.439
0.7166	0.426
0.7333	0.413
0.7500	0.407
0.7666	0.394
0.7833	0.381
0.8000	0.375
0.8166	0.362
0.8333	0.350
0.8500	0.343
0.8666	0.331
0.8833	0.331
0.9000	0.318
0.9166	0.311
0.9333	0.305
0.9500	0.299
0.9666	0.286
0.9833	0.280
1.0000	0.273
1.2000	0.203
1.4000	0.152
1.6000	0.120

1.8000	0.082
2.0000	0.070
2.2000	0.057
2.4000	0.044
2.6000	0.038
2.8000	0.025
3.0000	0.019
3.2000	0.019
3.4000	0.012
3.6000	0.012
3.8000	0.006
4.0000	0.006
4.2000	0.012
4.4000	0.012
4.6000	0.006
4.8000	0.000
5.0000	0.006
5.2000	0.006
5.4000	0.006
5.6000	0.006
5.8000	0.006
6.0000	0.006
6.2000	0.000
6.4000	0.000
6.6000	0.006
6.8000	0.006
7.0000	0.006
7.2000	0.000
7.4000	0.000
7.6000	0.000
7.8000	0.006
8.0000	0.006
8.2000	0.000
8.4000	0.006
8.6000	0.006
8.8000	0.000
9.0000	0.000
9.2000	0.006
9.4000	0.000
9.6000	0.006
9.8000	0.006

