APPENDIX A

FIELD FORMS

LANDFILL GAS EMISSIONS LOGS

Shaw Shaw Environmental, Inc.

LANDFILL GAS EMMISION LOG

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

PARCEL NAME: Landfill #1 PARCEL NUMBER: 78(4)

DATE: 5/13/03

TIME: 1410

MONITORING TEAM: DeNNEY/Markuten

INSTRUMENT TYPE: Photovac Microfid

INSTRUMENT MAKE: Photovac MODEL: Mirrofid S/N: CZHN323

Location ID	Time	Reading (ppm)
NO EMMISIONS	FOUND	

FORM COMPLETED BY: [signature] DATE: 5/13/03

Shaw Shaw Environmental, Inc.

LANDFILL GAS EMMISION LOG

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

PARCEL NAME: Landfill #2 PARCEL NUMBER: 79(6)

DATE: 5/14/03

TIME: 13:30

MONITORING TEAM: Denney / Remo

INSTRUMENT TYPE: Photovac

INSTRUMENT MAKE: Photovac MODEL: MicroFID S/N: C2HN323

Location ID	Time	Reading (ppm)
No emissions detected		

FORM COMPLETED BY: [signature] DATE: 5/14/03

Shaw Environmental, Inc.

LANDFILL GAS EMMISION LOG

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

PARCEL NAME: Landfill 3 PARCEL NUMBER: 80(6)

DATE: 5/12/03

TIME: 1545

MONITORING TEAM: Dennes, Licht

INSTRUMENT TYPE: Microfid

INSTRUMENT MAKE: Photovac MODEL: Microfid S/N: C2HN323

Location ID	Time	Reading (ppm)
No exceedances	found	

FORM COMPLETED BY: Shauna Dennes DATE: 5/12/03

Shaw Shaw Environmental, Inc.

LANDFILL GAS EMMISION LOG

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

PARCEL NAME: Landfill 3 PARCEL NUMBER: 80(6)

DATE: October 1, 2003

TIME: 1345

MONITORING TEAM: Shannon Denney

INSTRUMENT TYPE: Microfid

INSTRUMENT MAKE: Photovac MODEL: Microfid S/N:

Location ID	Time	Reading (ppm)
No surface emissions detected		

FORM COMPLETED BY: Shannon Denney DATE: 10/1/03

Shaw Shaw Environmental, Inc.

LANDFILL GAS EMMISION LOG

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

PARCEL NAME: Fill Area east Reilly PARCEL NUMBER: 277(4)

DATE: 5/14/03

TIME: 13:15

MONITORING TEAM: J. Remo / S. Denney

INSTRUMENT TYPE: Photovac

INSTRUMENT MAKE: Photovac MODEL: micro FID S/N: CZHN 323

Location ID	Time	Reading (ppm)
NO Emmision		

FORM COMPLETED BY: [signature] DATE: 5/15/03

Shaw™ Shaw Environmental, Inc.

LANDFILL GAS EMMISION LOG

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

PARCEL NAME: Former Post Garbage Dump PARCEL NUMBER: 126(7)

DATE: 5/15/03

TIME: 8:00

MONITORING TEAM: J. Remo / K. Markuten

INSTRUMENT TYPE: FID Photo vac Micro Fid

INSTRUMENT MAKE: Photovac MODEL: Micro Fid S/N: C2HN323

Location ID	Time	Reading (ppm)
No Detections	Found	

FORM COMPLETED BY: [signature] DATE: 5/15/03

Shaw Environmental, Inc.

LANDFILL GAS EMMISION LOG

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

PARCEL NAME: Field AREA NW RETLY PARCEL NUMBER: 229

DATE: 5/12/03

TIME: 15:30

MONITORING TEAM: Anderson/Valdez

INSTRUMENT TYPE: PhotoVAC MicroFID

INSTRUMENT MAKE: PhotoVAC MODEL: Microfid S/N: C ZEH 202

Location ID	Time	Reading (ppm)
NO EMISSIONS	FOUND	NA

FORM COMPLETED BY: Thy J Anderson DATE: 5/12/03

Shaw™ Shaw Environmental, Inc.

LANDFILL GAS EMMISION LOG

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

PARCEL NAME: Stump dump PARCEL NUMBER: 82(7)

DATE: 5/12/03

TIME: 1512

MONITORING TEAM: Markuten, Remo, Hodges

INSTRUMENT TYPE: Photovac Microfid

INSTRUMENT MAKE: Photovac MODEL: Microfid S/N: 85266

Location ID	Time	Reading (ppm)
NO Emmissions	detected on	Perimeter

FORM COMPLETED BY: [signature] DATE: 5/15/03

Shaw™ Shaw Environmental, Inc.

LANDFILL GAS EMMISION LOG

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

PARCEL NAME: Stump Dump PARCEL NUMBER: 82(A)

DATE: 6/2/03

TIME: 13:30

MONITORING TEAM: Remes / Mar Kuten

INSTRUMENT TYPE: ~~Photo~~ FID

INSTRUMENT MAKE: Photovac MODEL: Micro FID S/N: C2Hw323

Location ID	Time	Reading (ppm)
NO Emmission Detected w/in Fill Area		

FORM COMPLETED BY: [signature] DATE: 6/2/03

SUBSURFACE SOIL GAS SCREENING LOGS

Shaw Shaw Environmental, Inc.

SUBSURFACE SOILS GAS SCREENING LOG

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

PARCEL NAME: Landfill # 1 PARCEL NUMBER: 78(6)

MONITORING TEAM: C. Markutten / S. Denny

DATE: 5/13/03

MONITORING EQUIPEMENT: LANDTEC GEM 500 S/N: GX172

DATE OF CALIBRATION: 5/13/03

SUBSURFACE SOILGAS SCREENING LOCATIONS:

Location ID:	Time	Methane/ Total Hydrocarbons %	Oxygen %	Carbon Dioxide %	Nitrogen %	Notes
SSMHLF1-2	1402	0.0	19.2	~~80.8~~ 0.0	80.8	
SSMHLF1-1	NO	ACCESS	→	→	→	
SSMHLF1-3	1410	0.0	19.0	0.0	81.0	
~~SSMHLF1-4~~	~~16:05~~	~~0.0~~	~~19.1~~ 19.1	~~0.0~~	~~80.9~~	
SSMHLF1-5	1415	0.0	19.1	0.0	80.9	
SSMHLF1-6	18:33	0.0	19.1	0.0	80.9	
WVLF1-1	18:39	0.0	19.2	0.0	80.8	
WVLF1-2	18:40	0.0	19.1	0.0	80.9	
SSCBLF1-1	18:54	0.0	19.1	0.0	80.9	covered w/ manhole cover
SSCBLF1-2	18:45	0.0	19.2	0.0	80.8	
SSCBLF1-3	~~18:44~~ 18:44	0.0	19.2	0.0	80.8	
SSCBLF1-4	18:43	0.0	19.2	0.0	80.8	

FORM COMPLETED BY: [signature] DATE: 5/14/03

Shaw Shaw Environmental, Inc.

SUBSURFACE SOILS GAS SCREENING LOG
(Supplemental Page)

SUBSURFACE SOILGAS SCREENING LOCATIONS:

Location ID:	Time	Methane/ Total Hydrocarbons %	Oxygen %	Carbon Dioxide %	Nitrogen %
SSCBLF1-5	18:48	Ø.Ø	19.2	Ø.Ø	8Ø.8
GVLF1-1					
GVLF1-2	NOT Accessable				
GVLF1-3					
GVLF1-4					
GVLF1-5					
P-1	NR	Ø	19.2	Ø	8Ø.8
P-2			19.3		~~87.Ø~~ 8Ø.7
P-3			19.2		8Ø.8
P-4			19.2		8Ø.8
P-5			19.2		8Ø.8
I-1			19.1		8Ø.9
I-2			19.1		8Ø.9
I-3			19.Ø		81.Ø
I-4			19.1		8Ø.9
I-5			19.2		8Ø.8
I-6			19.2		8Ø.8
I-7			19.2		8Ø.7
I-8	NR	Ø	19.2	Ø	8Ø.8

NR- Not Recorded

FORM COMPLETED BY: [signature] DATE: 5/14/Ø3

Shaw Shaw Environmental, Inc.

SUBSURFACE SOILS GAS SCREENING LOG

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

PARCEL NAME: Landfill #2 PARCEL NUMBER: 79(6)

MONITORING TEAM: ~~Anderson / Ritch / Valdez~~ J. Remo / S. Denney

DATE: 5/14/03

MONITORING EQUIPEMENT: LANDTEC GEM 500 S/N: E0 884

DATE OF CALIBRATION: 5/14/03

SUBSURFACE SOILGAS SCREENING LOCATIONS:

Location ID:	Time	Methane/ Total Hydrocarbons %	Oxygen %	Carbon Dioxide %	Nitrogen %
79(6)-1	9:40	0	19.7	0.1	80.2
79(6)-2	10:00	0	19.9	0.1	80
79(6)-3	10:17	0	19.4	0.7	79.9
79(6)-4	10:50	0	19.7	0.3	80
79(6)-5	11:12	0	19.8	0.1	80.1
79(6)-6	12:00	0	18.7	0.8	80.5
79(6)-7	12:40	0	20.3	0	79.7
79(6)-8	13:02	0	19.9	0.1	80.0
79(6)-9	13:15	0	20.2	0	79.8
79(6)-10	13:29	0	18.2	1.6	80.2
79(6)-11	13:42	0	20	0.1	79.9
79(6)-12	13:50	0	20.2	0	79.8
6/2/03 79 LF2-79-Gas01R (79(6)-10)	11:15	0	17.9	1.2	80.9

FORM COMPLETED BY: J. Anderson DATE: 5/14/03

Reviewed 6/2/03

Shaw Shaw Environmental, Inc.

SUBSURFACE SOILS GAS SCREENING LOG

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

PARCEL NAME: Land Fill #3 [80(6)] PARCEL NUMBER: 80(6)

MONITORING TEAM: Remo / Penney / Anderson

DATE: 10/1/03

MONITORING EQUIPEMENT: LANDTEC GEM 500 S/N: 499

DATE OF CALIBRATION: 10/1/03

SUBSURFACE SOILGAS SCREENING LOCATIONS:

Location ID:	Time	Methane/ Total Hydrocarbons %	Oxygen %	Carbon Dioxide %	Nitrogen %
LF#3-P1	0838	0	20.1	0.1	79.7
LF#3-P2	08:41	0	20.2	0.4	79.4
LF#3-P3	0848	0	20.1	0.6	79.3
LF#3-P4	0852	0	20.3	0.4	79.4
LF#3-P5	0857	0	20.4	0.2	79.5
LF#3-P6	0900	0	20.3	0.3	79.4
LF#3-P7	0908	0	19.5	1.2	79.3
LF#3-P8	0911	0	~~19.9~~ 20.3	0.1	79.5
LF#3-P9	0916	0	20.2	~~0.9~~ 0.5	79.3
LF#3-P10	0919	0	20.5	0.1	79.4
LF#3-P11	0924	0	~~20.4~~ 20.5	0.0	79.5
LF#3-P12	0930	0	20.6	0.0	79.4

FORM COMPLETED BY: Shannon Penney DATE: 10/1/03

Shaw Environmental, Inc.

SUBSURFACE SOILS GAS SCREENING LOG
(Supplemental Page)

SUBSURFACE SOILGAS SCREENING LOCATIONS:

Location ID:	Time	Methane/ Total Hydrocarbons %	Oxygen %	Carbon Dioxide %	Nitrogen %
LF#3-P13	0936	0.0	20.2 ~~0.7~~	~~20.2~~ ~~79.1~~	≥ 79.1
LF#3-P14	0941 ~~1041~~	0.0	20.5	0.1	79.4
LF#3-P15	0947 ~~1047~~	0.0	20.5	0.0	79.5
LF#3-P16	0951 ~~1051~~	0.0	20.5	0.1	79.4
LF#3-I1	1006	0.0	20.0	0.0	80.0
LF#3-I2	1020	0.0	20.0	0.1	79.9
LF#3-I3	1024	0.0	19.8	0.5	79.5
LF#3-I4	1028	0.0	20.1	0.1	79.8
LF#3-I5	1033	0.0	20.1	0.2	79.7
LF#3-I6	1036	0.0	20.3	0.0	79.7
LF#3-I7	1039	0.0	20.3	0.0	79.7
LF#3-I8	1042	0.0	20.2	0.3	79.4
LF#3-I9	1046	0.0	20.~~3~~4	0.2	79.4
LF#3-I10	1050	0.0	20.3	0.~~7~~1	79.6
LF#3-I11	1055	0.0	20.6	0.0	79.4
LF#3-I12	1058	0.0	20.6	0.0	79.4
LF#3-I13	1236	0.0	20.5	0.4	79.1
LF#3-I14	1239	0.0	20.7	0.1	79.2

FORM COMPLETED BY: Shannon Denney DATE: 10-1-03

Shaw Environmental, Inc.

SUBSURFACE SOILS GAS SCREENING LOG
(Supplemental Page)

SUBSURFACE SOILGAS SCREENING LOCATIONS:

Location ID:	Time	Methane/ Total Hydrocarbons %	Oxygen %	Carbon Dioxide %	Nitrogen %
~~LF#3-I15~~					
LF#3-I15	1242	0.0	20.7	0.2	79.1
LF#3-I16	1252	0.0	20.8	0.0	79.2
LF#3-I17	1300	0.0	20.5	0.4	79.1
LF#3-I18	1307	0.0	20.7	0.2	79.1
LF#3-I19	1311	0.0	20.8	0.1	79.1
LF#3-I20	1316	0.0	20.7	0.1	79.2
LF#3-I21	1320	0.0	19.9	0.9	79.2
LF#3-I22	13~~12~~40	1.7 / 0.0	16.4	4.2	79.3
LF#3-I23	13~~12~~43	0.0	20.5	0.2	79.3
LF#3-I24	13~~12~~49	0.0	19.9	1.0	79.1
LF#3-I25	13~~12~~57	0.0	20.7	0.0	79.3
LF#3-I26	14~~13~~:02	0.0	20.0	~~1.0~~ 0.6	79.4
~~LF#~~ LF#3-I27	14~~13~~:07	0.0	20.6	0.1	79.3
LF#3-I28	14~~13~~:13	0.0	20.7	0.0	79.3
LF#3-I29	14~~13~~:18	0.0	20.6	0.0	79.4
LF#3-I30	14~~13~~:23	0.0	20.5	0.3	79.2
LF#3-I31	14~~13~~:29	0.0	20.7	0.0	79.3
LF#3-I32	14~~13~~:34	0.0	20.7	0.0	79.3

FORM COMPLETED BY: [signature] DATE: 10/1/03

Shaw Shaw Environmental, Inc.

SUBSURFACE SOILS GAS SCREENING LOG
(Supplemental Page)

SUBSURFACE SOILGAS SCREENING LOCATIONS:

Location ID:	Time	Methane/ Total Hydrocarbons %	Oxygen %	Carbon Dioxide %	Nitrogen %
LF#3-I 33	14 ~~13~~:49	0.0	20.7	0.0	79.3
LF#3-I34	14 ~~13~~:46	0.0	20.6	0.0	79.3
LF#3-I35	14 ~~13~~:52	0.0	20.7	0.0	79.3
LF#3-I36	14 ~~13~~:57	0.0	20.7	0.0	79.3
LF#3-I37	15:01	0.0	20.7	0.0	79.3
LF#3-I38	15:11	0.0	20.4	0.3	79.3
LF#3-I39	15:14	0.0	20.6	0.0	79.4
LF#3-I40	15:36	0.0	20.6	0.1	79.3
LF#3-I41	15:42	0.0	20.7	0.0	79.3
LF#3-I42	15:47	0.0	20.6	0.1	79.3
LF#3-I43	15:53	0.0	20.7	0.0	79.3
LF#3-I44	15:59	0.0	20.6	0.0	79.4
LF#3-I46	16:04	0.0	20.6	0.1	79.3
LF#3-I45	16:09	0.0	20.5	0.2	79.3
LF#3-I47	16:13	0.0	20.6	0.0	79.4
LF#3-I48	16:16	0.0	20.6	0.0	79.4
LF#3-I49	16:25	0.0	20.5	0.1	79.4

FORM COMPLETED BY: [signature] DATE: 10/1/03

Shaw Environmental, Inc.

SUBSURFACE SOILS GAS SCREENING LOG

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

PARCEL NAME: Fill Area east ~~Fort~~ Reilly PARCEL NUMBER: 227(7)

MONITORING TEAM: T. Anderson / J. Ritch

DATE: ~~5/15/03~~ 5/14/03

MONITORING EQUIPEMENT: LANDTEC GEM 500 S/N: GM 172

DATE OF CALIBRATION: 5/14/03

SUBSURFACE SOILGAS SCREENING LOCATIONS:

Location ID:	Time	Methane/ Total Hydrocarbons %	Oxygen %	Carbon Dioxide %	Nitrogen %
227-1	15:11	0	20.3	0	79.7
227-2	15:23	0	20.2	0	79.8
227-3	15:31	0	~~0.2~~ 19.9	0.2	79.9
227-4	15:42	0	20.0	0.2	79.8
227-5	15:55	0	20.1	0	79.9
227-6	16:02	0	20.1	0	79.9
227-7	16:11	0	19.9	0.1	80.0
227-8	16:19	0	20.2	0	79.8
227-9	16:26	0	19.9	0.2	79.9
227-10	16:34	0	20.0	0.1	79.9
227-11	16:42	0	20.0	0	80
227-12	16:51	0	202	0	79.8

FORM COMPLETED BY: [signature] DATE: 5/15/03

Shaw™ Shaw Environmental, Inc.

SUBSURFACE SOILS GAS SCREENING LOG
(Supplemental Page)

SUBSURFACE SOILGAS SCREENING LOCATIONS:

Location ID:	Time	Methane/ Total Hydrocarbons %	Oxygen %	Carbon Dioxide %	Nitrogen %
227-13	17:00	0	~~0.0~~ 19.6	~~19.0~~ 0.6	79.8
6/2/03 PPMP-227-GAS01R	10:10	0	16.9	2.9	80.5

FORM COMPLETED BY: [signature] DATE: 5/15/03

~~Resampled~~ Updated by [signature] 6/2/03

Shaw Environmental, Inc.

SUBSURFACE SOILS GAS SCREENING LOG

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

PARCEL NAME: Former Post Garbage dump PARCEL NUMBER: 126(7)

MONITORING TEAM: T. Anderson / J. Reno

DATE: 5/15/03

MONITORING EQUIPEMENT: LANDTEC GEM 500 S/N: ~~GM-2~~ E0884

DATE OF CALIBRATION: 5/15/03

SUBSURFACE SOILGAS SCREENING LOCATIONS:

Location ID:	Time	Methane/ Total Hydrocarbons %	Oxygen %	Carbon Dioxide %	Nitrogen %
126-1	8:30	0	19.3 ~~1.0~~	1.0 ~~19.2~~	79.7
126-2	8:41	0	19.0	1.2	79.8
126-3	8:53	0	20.0	0.2	79.8
126-4	9:01	0	19.3	0.8	79.9
126-5	9:13	0	20.0	0.1	79.9
126-6	9:27	0	19.4	0	80.6
126-7	9:39	0	20.0	0	80.0
126-8	9:51	0	19.6	0.6	79.8
126-9	10:09	0	19.4	0.6	80.0
5/2/03 ETA-126-GASOIR	10:40	0	19.0	0.4	80.6

FORM COMPLETED BY: [signature] DATE: 5/15/03

Shaw Shaw Environmental, Inc.

SUBSURFACE SOILS GAS SCREENING LOG

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

PARCEL NAME: Field Area NW of Reilly PARCEL NUMBER: 229

MONITORING TEAM: Anderson, Pitch

DATE: 5/13/03

MONITORING EQUIPEMENT: LANDTEC GEM 500 S/N: E08884

DATE OF CALIBRATION: 5/13/03

SUBSURFACE SOILGAS SCREENING LOCATIONS:

Location ID:	Time	Methane/ Total Hydrocarbons %	Oxygen %	Carbon Dioxide %	Nitrogen %
PPMP229-1	NR	0	20.3	0.1	79.6
PPMP229-2		0	20.0	0.2	79.8
PPMP229-3		0	19.8	0.2	80.0
PPMP229-4		0	19.8	0.2	80.0
PPMP229-5		0	19.8	0.2	80.0
PPMP229-6		0	18.9	1.2	79.9
PPMP229-7		0	19.1	0.6	80.3
PPMP229-8		0	20.1	0	79.9
PPMP229-9		0	20.1	0	79.9
PPMP229-10		0	20.1	0	79.9
PPMP229-11		0	19.9	0.1	80.0
PPMP229-12		0	11.5	7.4	81.1

Notes: NR = Not Recorded

FORM COMPLETED BY: [signature] DATE: 5/13/03

Shaw™ Shaw Environmental, Inc.

SUBSURFACE SOILS GAS SCREENING LOG
(Supplemental Page)

SUBSURFACE SOILGAS SCREENING LOCATIONS:

Location ID:	Time	Methane/ Total Hydrocarbons %	Oxygen %	Carbon Dioxide %	Nitrogen %
PPMP229-13	NR	0	19.9	0.1	80.0
Storm Drain	14:15	Not accessible	→	→	→
5/21/03 PPMP-229-GAS01R	9:30	0	17.9	1.8	80.3

FORM COMPLETED BY: Troy J Ardon DATE: 5/13/03

updated [illegible] 6/2/03

Shaw Environmental, Inc.

SUBSURFACE SOILS GAS SCREENING LOG

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 79886

PARCEL NAME: Stump dump PARCEL NUMBER: 82(7)

MONITORING TEAM: Markuten/Remo/Hodges/T. Anderson

DATE: 5/12 - 5/15/03 & 6/2/03

MONITORING EQUIPEMENT: LANDTEC GEM 500 S/N: E0844

DATE OF CALIBRATION: 5/13/03 - 5/15/03 & 6/2/03

SUBSURFACE SOILGAS SCREENING LOCATIONS:

	Location ID:	Time	Methane/ Total Hydrocarbons %	Oxygen %	Carbon Dioxide %	Nitrogen %
5/15/03	~~82-6~~ P-7	12:22	0	16.6	5.1	84.3
	~~82-2~~ P-8	12:25	0	19.2	0.2	80.0
(5/15/03)	~~82-3~~ P-10	12:37	0	18.9	0.8	80.3
~~(6/2/03)~~	~~82-4~~ I-13	12:46	~~0.2~~ 0.4	19.0	10.1	79.5
	~~82-5~~ I-1	12:50	0	20.0	0	80.0
	~~82-8~~ I-9	12:58	0	19.7	0.7	80.1
	~~82-7~~ P-2	13:05	0	17.2	1.7	81.1
	~~82-8~~	~~13:14~~	~~0~~	~~19.5~~	~~0.3~~	~~80.2~~
6/2/03	P-5	13:44	0	19.0	0	81.0
	P-6	14:15	0	19.1	~~80.9~~ 0	80.9
	I-4	14:28	0	18.9	0.3	80.8
	I-2	14:30	0	19.0	0	81.0

FORM COMPLETED BY: [signature] DATE: 5/15/03

Updated [signature] 6/02/03

Shaw™ Shaw Environmental, Inc.

SUBSURFACE SOILS GAS SCREENING LOG
(Supplemental Page)

SUBSURFACE SOILGAS SCREENING LOCATIONS:

Location ID:	Time	Methane/ Total Hydrocarbons %	Oxygen %	Carbon Dioxide %	Nitrogen %
12/03 I-3	14:35	Ø	19.2	Ø	8Ø.8
~~I-4~~ I-5	14:47	Ø	18.8	Ø.2	8Ø.8
~~I-4~~ I-6	14:57	Ø	18.8	ØØ	81.2
P-3	15:Ø7	Ø	18.7	Ø	81.3
P-1	15:24	Ø	18.6	Ø.3	81.1
P-11	15:43	Ø	~~18.9~~ 18.7	~~Ø.2~~ Ø.6	~~8Ø.9~~ 8Ø.7
P-9	15:59	Ø	18.9	Ø.2	8Ø.9
I-11	16:1Ø	Ø	18.6	Ø.4	81.Ø
~~I-12~~	~~16:17~~	~~Ø~~	~~18.9~~	~~Ø~~	~~81.1~~
tes → 12/Ø3 I-13	16:25	Ø	18.2	1.Ø	8Ø.8
I-1Ø	16:37	Ø	19.Ø	Ø	81.Ø
I-7	16:47	Ø	18.8	Ø.3	8Ø.9
I-8	16:5Ø	Ø	19.1	Ø.2	8Ø.7

FORM COMPLETED BY: [signature] DATE: 6/4/Ø3

MONITORING WELL AND STRUCTURE SCREENING FORMS

Shaw Environmental, Inc.

MONITORING WELL SCREENING LOG

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

PARCEL NAME: Landfill #1 PARCEL NUMBER: 78(6)

MONITORING TEAM: J Remo / S Denny

DATE: 5/13/03

MONITORING EQUIPEMENT: LANDTEC GEM 500 S/N: GX 172

DATE OF CALIBRATION: 5/13/03

Monitoring Well ID:	Pre purge Screening Time / Post purge Screening Time	Methane/ Total Hydrocarbons %	Oxygen %	Carbon Dioxide %	Nitrogen %
LF-01	18:41	~~19~~ 0.0	19.2	0.0	80.8
	19:01	0.0	19.1	0.0	80.9
No Further Entries					

FORM COMPLETED BY: [signature] DATE: 5/13/03

Shaw Environmental, Inc.

STRUCUTURE SURVEY FORM

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 79

PARCEL NAME: Landfill #1 PARCEL NUMBER: 78(6)

MONITORING TEAM: Denney / Markuter / Nelson DATE: 5/13/03

MONITORING EQUIPEMENT: LANDTEC GEM 500 S/N: GM172

DATE OF CALIBRATION: 5/13/03 STRUCUTRE NAME / NUMBER: 3335 & 3337

Ambient Air Readings

LEL 25% 0.0

Oxygen % 19.2

Inside Structure

Location # 1 3335B

LEL 25% 0.0

Oxygen % 19.2

Alarm Level Condition: SAFE

Location #2 3335A

LEL 25 % 0.0

Oxygen % 19.2

Alarm Level Condition: SAFE

Inside Structure (continued)

Location # 3 3337A

LEL 25% 0.0

Oxygen % 19.2

Alarm Level Condition SAFE

Location # 4 3337B

LEL 25% 0.0

Oxygen % 19.2

Alarm Level Condition: SAFE

Location # 5

LEL 25% _____

Oxygen % _____

Alarm Level Condition: _____

LEL - Lower explosive limit (LEL) means the lowest percent by volume of a mixture of explosive gases in air that will propagate a flame at 25°C and atmosphere pressure. The LEL is 5% concentration by volume of methane. The UEL (upper explosive limit) is 15% concentration by volume of methane. Explosive range (5% - 15%, LEL - UEL).

% Oxygen - (19.5% to 25%): established range required by select monitoring instruments for proper functioning.

Conditions	Structures
Safe	0%
Caution	0 - 1.0%
Peril	1.25 - 5% and > 15%
Explosive	5 - 15%

Safe: No concentrations of methane were detected that would cause harm or danger to personnel or structures.

Caution: Conditions where concentration levels of methane are elevated or approaching levels that may cause harm or danger to personnel or structures.

Peril: 25% concentration of LEL is detected in facility structures or the UEL is exceeded at the property boundary. UEL may rapidly return to the explosive range due to changing site conditions.

Explosive: Methane concentration levels are detected within the LEL - UEL range of 5 to 15 percent.

FORM COMPLETED BY: Christy [signature] DATE: 5/13/03

Shaw Shaw Environmental, Inc.

MONITORING WELL SCREENING LOG

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

PARCEL NAME: Landfill #2 PARCEL NUMBER: 79(6)

MONITORING TEAM: J. Remer / S. Denney

DATE: 5/15/03

MONITORING EQUIPEMENT: LANDTEC GEM 500 S/N: E0884

DATE OF CALIBRATION: 5/15/03

Monitoring Well ID:	Pre purge Screening Time / Post purge Screening Time	Methane/ Total Hydrocarbons %	Oxygen %	Carbon Dioxide %	Nitrogen %
LF 2-1	13:00	0	19.7	03	80.0
	13:30	0	20.2	0	79.8
LF 2-2	13:10	0	20.2	0	79.8
	13:42	0	20.2	0	79.8
LF 2-3	13:05	0	21.0	0	79.9
	13:37	0	20.2	0	79.8

5/15/03

FORM COMPLETED BY: [signature] DATE: 5/15/03

Shaw™ Shaw Environmental, Inc.

MONITORING WELL SCREENING LOG

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

PARCEL NAME: Landfill 3 PARCEL NUMBER: 80(6)

MONITORING TEAM: Dervey / Ritch

DATE: 5/12/03

MONITORING EQUIPEMENT: LANDTEC GEM 500 S/N: GX172

DATE OF CALIBRATION: 5/12/03

Monitoring Well ID:	Pre purge Screening Time / Post purge Screening Time	Methane/ Total Hydrocarbons %	Oxygen %	Carbon Dioxide %	Nitrogen %
OLFG11	4:15 pm	0	20	0	80
	5:10 pm	0	20	0	80
OLFG02	4:25	0	20	0	80
	5:25	0	20.1	0	79.9
OLFG08	6:15	0	19.8	0	80.2
	6:55	0	19.9	0	80.1
OLFG01	6:05	0	19.8	0	80.2
	6:52	0	19.8	0	80.2
OLFG04	6:10	0	19.8	0	80.2
	6:50	0	19.8	0	80.2
OLFG03	6:05	0	19.8	0	80.2
	6:45	0	19.9	0	80.1

FORM COMPLETED BY: Shaun Dervey DATE: 5/12/03

Shaw Environmental, Inc.

MONITORING WELLSCREENING LOG
(Supplemental Page)

Monitoring Well ID:	Pre purge Screening Time / Post purge Screening Time	Methane/ Total Hydrocarbons %	Oxygen %	Carbon Dioxide %	Nitrogen %
~~OLF-GH~~					
~~OLF-~~					
culvert-1	14:05	0	20.5	0	79.5

FORM COMPLETED BY: [signature] DATE: 5/15/03

Shaw Shaw Environmental, Inc.

MONITORING WELL SCREENING LOG

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

PARCEL NAME: Fill Area East Reilly PARCEL NUMBER: 227 (7)

MONITORING TEAM: J. Remo / S. Denney

DATE: 5/14/03 & 5/15/03

MONITORING EQUIPEMENT: LANDTEC GEM 500 S/N: GM 172

DATE OF CALIBRATION: 5/14/03 & 5/15/03

Monitoring Well ID:	Pre purge Screening Time / Post purge Screening Time	Methane/ Total Hydrocarbons %	Oxygen %	Carbon Dioxide %	Nitrogen %
PPMP-227-GP01	17:01	0	19.7	0.2	80.1 ~~80.0~~
	17:32	0	20.0	0	80.0
PPMP-227-GP07 5/15/03	10:03	0	19.5	0.5	80.0
	10:35	0	19.7	0.3	80.0
PPMP-227-GP08	17:18	0	19.7	0	80.3
	17:48	0	20.1	0	79.9
PPMP-227-GP11	17:13	0	19.5	0	80.5
	17:43	0	20.0	0	80.0
PPMP-227-GP13	17:07	0	19.6	0.7	79.7
	17:38	0	19.8	0.3	79.9

FORM COMPLETED BY: [signature] DATE: 5/15/03

Shaw Shaw Environmental, Inc.

MONITORING WELL SCREENING LOG

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

PARCEL NAME: Former Post Garbage Dump PARCEL NUMBER: 126(7)

MONITORING TEAM: T. Anderson / J. Reno

DATE: 5/15/03 ~~5/14/03~~

MONITORING EQUIPEMENT: LANDTEC GEM 500 S/N: CZ 1W323

DATE OF CALIBRATION: 5/15/03 ~~5/15/03~~

Monitoring Well ID:	Pre purge Screening Time / Post purge Screening Time	Methane/ Total Hydrocarbons %	Oxygen %	Carbon Dioxide %	Nitrogen %
PPMP-227-GR06	10:03	0	20	0	80
	10:35	0	20.2	0	79.8
PPMP-227-GP07	9:55	0	19.5	0.5	80
	10:30	0	19.7	0.3	80

FORM COMPLETED BY: [signature] DATE: 5/15/03

Shaw Environmental, Inc.

MONITORING WELL SCREENING LOG

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

PARCEL NAME: Fill Area NW Reilly PARCEL NUMBER: 229

MONITORING TEAM: Andersen/Ritch/Valdez

DATE: 5/13/03

MONITORING EQUIPEMENT: LANDTEC GEM 500 S/N: E0 884

DATE OF CALIBRATION: 5/13/03

Monitoring Well ID:	Pre purge Screening Time / Post purge Screening Time	Methane/ Total Hydrocarbons %	Oxygen %	Carbon Dioxide %	Nitrogen %
PPMP 229 GP03	9:10	0	17	3.0	80
	10:15	0	17	3.0	80
PPMP 229 GP02	11:05	0	20	0	80
	12:05	0	20.2	0	79.8
PPMP 229 GP01	Not Accessible/ Destroyed			---	---
PPMP 229 GP05	11:38	0	20.2	0	79.8
	12:40	0	20.2	0	79.8
PPMP 229 GP04	12:10	0	17	9	74
	13:10	0	17	9	74

FORM COMPLETED BY: Tony J Anderson DATE: 5/13/03

Shaw™ Shaw Environmental, Inc.

MONITORING WELL SCREENING LOG

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

PARCEL NAME: Stump dump PARCEL NUMBER: 82(7)

MONITORING TEAM: Markuten, ReMo

DATE: 5/~~13~~12/03 - 5/15/03

MONITORING EQUIPEMENT: LANDTEC GEM 500 S/N: E0884

DATE OF CALIBRATION: 5/15/03

Monitoring Well ID:	Pre purge Screening Time / Post purge Screening Time	Methane/ Total Hydrocarbons %	Oxygen %	Carbon Dioxide %	Nitrogen %
FTA-82-MW02	1539	0	18.9	0.1	81.0
	1549	0	19.0	0.1	80.9
FTA-82-MW03	15:16	0	18.8	0	81.2
	15:27	0	~~18.8~~ 19.0	0	~~81.2~~ 81.0
FTA-82-MW04	14:53	0	18.8	0	81.2
	15:07	0	18.9	0	81.1
FTA-82-MW05	12:14	0	19.8	0.1	80.1
	13:00	0	19.5	0	80.5
FTA-82-MW06	14:13	0	18.8	0	81.2
	16:43	0	19.3	0	80.7
FTA-82-MW07	12:18	0	20.2	0	79.8
	13:37	0	19.8	0	80.2

FORM COMPLETED BY: [signature] DATE: 5/15/03

Updated [signature] 5/02/03

METEOROLOGIC DATA LOGS

Shaw Shaw Environmental, Inc.

METEOROGICAL DATA LOG

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

PARCEL NAME: Landfill #1 PARCEL NUMBER: 78(6)

MONITORING TEAM: Markuten / Denney

DATE: 5/13/03 TIME: 13:30

Climatic/Physical Conditions at Site:

a. Soil Conditions: Damp to Saturated

b. Weather Conditions: Partly Cloudy

c. Wind Direction and Speed: North to west ~ 5 to 10 spm

d. Temperature (°C / °F): ≈ 75°F

d. Barometric Conditions (millibars / inches of mercury): ~~26.8 inHg~~ 1018 mb 5/13/03

e. Relative Humidity within range of 10 to 90 per cent. Yes (✓) No ( ) Range 0-0%

f. Water Table Conditions: High

FORM COMPLETED BY: [signature] DATE: 5/13/03

Shaw Shaw Environmental, Inc.

METEOROGICAL DATA LOG

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

PARCEL NAME: Landfill #2 PARCEL NUMBER: ~~88~~ 79(6)

MONITORING TEAM: J. Reno & S. Denney

DATE: 5/14/03 TIME: 9:45

Climatic/Physical Conditions at Site:

a. Soil Conditions: damp to saturated

b. Weather Conditions: Cloudy

c. Wind Direction and Speed: light & variable (less than 5mph)

d. Temperature (°C / °F): 65°F

d. Barometric Conditions (millibars / inches of mercury): 1015 mb

e. Relative Humidity within range of 10 to 90 per cent: Yes (✓) ~~No~~ Range 0-0%

f. Water Table Conditions: high

FORM COMPLETED BY: [signature] DATE: 5/14/03

Shaw™ Shaw Environmental, Inc.

METEOROGICAL DATA LOG

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796866

PARCEL NAME: Landfill #2 PARCEL NUMBER: 79(6)

MONITORING TEAM: J. Romo / K. MacKoten

DATE: 6/2/03 TIME: 9:00

Climatic/Physical Conditions at Site:

a. Soil Conditions: dry to wet

b. Weather Conditions: mostly cloudy & warm mid's 60 to low 60's

c. Wind Direction and Speed: Light & variable

d. Temperature (°C / °F): low 60°F

d. Barometric Conditions (millibars / inches of mercury): ~~758~~ 1011

e. Relative Humidity within range of 10 to 90 per cent. Yes (✓) No ( ) Range 0-0%

f. Water Table Conditions: high

FORM COMPLETED BY: [signature] DATE: 6/2/03

Shaw™ Shaw Environmental, Inc.

METEOROGICAL DATA LOG

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

PARCEL NAME: landfill 3 PARCEL NUMBER: 80(6)

MONITORING TEAM: Denney / Richt

DATE: 5/12/03 TIME: 1530

Climatic/Physical Conditions at Site:

a. Soil Conditions: ~~dry to wet~~ wet

b. Weather Conditions: partly cloudy

c. Wind Direction and Speed: north 5 to 10 mph

d. Temperature (°C / °F): 70 to 75

d. Barometric Conditions (millibars / inches of mercury): 76.80

e. Relative Humidity within range of 10 to 90 per cent. Yes (✓) No ( ) Range 0-0%

f. Water Table Conditions: high

FORM COMPLETED BY: Shanna Denney DATE: 5/12/03

Shaw™ Shaw Environmental, Inc.

METEOROGICAL DATA LOG

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

PARCEL NAME: Landfill #3 PARCEL NUMBER: 80(6)

MONITORING TEAM: Remo / Denney / Anderson

DATE: 10/1/03 TIME: 0730

Climatic/Physical Conditions at Site:

a. Soil Conditions: dry to moist

b. Weather Conditions: clear

c. Wind Direction and Speed: NE 5-10 mph

d. Temperature (°C / °F): 65°F

d. Barometric Conditions (millibars / inches of mercury): 30.11

e. Relative Humidity within range of 10 to 90 per cent. Yes (✓) No ( ) Range 0-0% 40%

f. Water Table Conditions: normal

FORM COMPLETED BY: Shannon Denney DATE: 10/1/03

Shaw Shaw Environmental, Inc.

METEOROGICAL DATA LOG

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

PARCEL NAME: Fill Area East Reilly PARCEL NUMBER: 227(7)

MONITORING TEAM: J. Reno / S. Denney

DATE: 5/14/03 TIME: 1500

Climatic/Physical Conditions at Site:

a. Soil Conditions: damp to Saturated

b. Weather Conditions: cloudy

c. Wind Direction and Speed: Light & Variable (less than 5mph)

d. Temperature (°C (°F)) 65°F

d. Barometric Conditions (millibars / inches of mercury): 1015 mb

e. Relative Humidity within range of 10 to 90 per cent. Yes (✓) No ( ) Range 0-0%

f. Water Table Conditions: High

FORM COMPLETED BY: [signature] DATE: 5/14/03

Shaw™ Shaw Environmental, Inc.

METEOROGICAL DATA LOG

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796866

PARCEL NAME: Fill Area East of Reilly Air Field PARCEL NUMBER: 227(7)

MONITORING TEAM: J. Romo / K. Mar Koten

DATE: 6/2/03 TIME: 9:00

Climatic/Physical Conditions at Site:

a. Soil Conditions: dry to wet

b. Weather Conditions: mostly cloudy & warm mid's 60 to low 60's

c. Wind Direction and Speed: Light & variable

d. Temperature (°C / °F): low 60°F

d. Barometric Conditions (millibars / inches of mercury): ~~758~~ 1011

e. Relative Humidity within range of 10 to 90 per cent. Yes (✓) No ( ) Range 0-0%

f. Water Table Conditions: high

FORM COMPLETED BY: [signature] DATE: 6/2/03

Shaw™ Shaw Environmental, Inc.

METEOROGICAL DATA LOG

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

PARCEL NAME: Former Post Garbage Dump PARCEL NUMBER: 126 (7)

MONITORING TEAM: J. Ramo / T. Anderson

DATE: 5/15/03 TIME: 8:00

Climatic/Physical Conditions at Site:

a. Soil Conditions: Damp to saturated

b. Weather Conditions: Mostly Cloudy

c. Wind Direction and Speed: Light & Variable

d. Temperature (°C / °F): 75°F

d. Barometric Conditions (millibars / inches of mercury): 1013 mb

e. Relative Humidity within range of 10 to 90 per cent. Yes (✓) No ( ) Range 0-0%

f. Water Table Conditions: High

FORM COMPLETED BY: [signature] DATE: 5/15/03

Shaw™ Shaw Environmental, Inc.

METEOROGICAL DATA LOG

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796866

PARCEL NAME: Former Post Garbage Dump PARCEL NUMBER: 126(7)

MONITORING TEAM: J. Romo / K. MacKoten

DATE: 6/2/03 TIME: 9:00

Climatic/Physical Conditions at Site:

a. Soil Conditions: dry to wet

b. Weather Conditions: mostly cloudy & warm mid's 60 to low 60's

c. Wind Direction and Speed: Light & variable

d. Temperature (°C / °F): low 80°F

d. Barometric Conditions (millibars / inches of mercury): ~~758~~ 1011

e. Relative Humidity within range of 10 to 90 per cent. Yes (✓) No ( ) Range 0-0%

f. Water Table Conditions: high

FORM COMPLETED BY: [signature] DATE: 6/2/03

Shaw Shaw Environmental, Inc.

METEOROGICAL DATA LOG

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

PARCEL NAME: Field Area NW Reilly PARCEL NUMBER: 229

MONITORING TEAM: Anderson / Valdez

DATE: 5/12/03 TIME: 15:30

Climatic/Physical Conditions at Site:

a. Soil Conditions: Saturated

b. Weather Conditions: Partly Cloudy

c. Wind Direction and Speed: North 5 to 10 mph

d. Temperature (°C / °F): 70°F to 75°F

d. Barometric Conditions (millibars / inches of mercury): 76.80 mbf

e. Relative Humidity within range of 10 to 90 per cent. Yes (✓) No ( ) Range 0-0%

f. Water Table Conditions: High

FORM COMPLETED BY: Troy J. Anderson DATE: 5/12/03

Shaw™ Shaw Environmental, Inc.

METEOROGICAL DATA LOG

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

PARCEL NAME: Fill Area NW Reilly PARCEL NUMBER: 229

MONITORING TEAM: Anderson / Ritch / Valdez

DATE: 5/13/03 TIME: 13:40

Climatic/Physical Conditions at Site:

a. Soil Conditions: saturated

b. Weather Conditions: Partly cloudy

c. Wind Direction and Speed: North 5-10 mph

d. Temperature (°C / °F): 75 °F

d. Barometric Conditions (millibars / inches of mercury): 1018 mb

e. Relative Humidity within range of 10 to 90 per cent. Yes (✓) No ( ) Range 0-0%

f. Water Table Conditions: High

FORM COMPLETED BY: Ty J Anderson DATE: 5/13/03

Shaw™ Shaw Environmental, Inc.

METEOROGICAL DATA LOG

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

PARCEL NAME: Fill Area nw of Reilly PARCEL NUMBER: 229 (7)

MONITORING TEAM: J. Romo / K. Markoten

DATE: 6/2/03 TIME: 9:00

Climatic/Physical Conditions at Site:

a. Soil Conditions: dry to wet

b. Weather Conditions: mostly cloudy & warm mid's 60 to low 60's

c. Wind Direction and Speed: Light & Variable

d. Temperature (°C / °F): Low 80°F

d. Barometric Conditions (millibars / inches of mercury): 758 1011

e. Relative Humidity within range of 10 to 90 per cent. Yes (✓) No ( ) Range 0-0%

f. Water Table Conditions: high

FORM COMPLETED BY: [signature] DATE: 6/2/03

Shaw Environmental, Inc.

METEOROGICAL DATA LOG

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

PARCEL NAME: Stump/Bump PARCEL NUMBER: 82(7)

MONITORING TEAM: Murkuten / Remo

DATE: 5/13/03 TIME: 15:30

Climatic/Physical Conditions at Site:

a. Soil Conditions: dry to wet

b. Weather Conditions: Partly cloudy

c. Wind Direction and Speed: North 5 to 10 mph

d. Temperature (°C / °F): 70° to 75°

d. Barometric Conditions (millibars / inches of mercury): ~~78~~ ~~76.80 mb~~ 10:18 mb

e. Relative Humidity within range of 10 to 90 per cent. Yes (✓) No ( ) Range 0-0%

f. Water Table Conditions: High

FORM COMPLETED BY: [signature] DATE: 5/13/03

Shaw™ Shaw Environmental, Inc.

METEOROGICAL DATA LOG

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

PARCEL NAME: Stump dump PARCEL NUMBER: 82(7)

MONITORING TEAM: T. Anderson / J. Remo

DATE: 5/15/03 TIME: 12:00

Climatic/Physical Conditions at Site:

a. Soil Conditions: damp to saturated

b. Weather Conditions: Partly cloudy

c. Wind Direction and Speed: light & variable

d. Temperature (°C / °F): 78°F

d. Barometric Conditions (millibars / inches of mercury): 1015 mb

e. Relative Humidity within range of 10 to 90 per cent. Yes (✓) No ( ) Range 0-0%

f. Water Table Conditions: high

FORM COMPLETED BY: [signature] DATE: 5/15/03

Shaw™ Shaw Environmental, Inc.

METEOROGICAL DATA LOG

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796666

PARCEL NAME: Shump Dump PARCEL NUMBER: 82 (7)

MONITORING TEAM: J. Romo / K. Mar Koten

DATE: 6/2/03 TIME: 9:00

Climatic/Physical Conditions at Site:

a. Soil Conditions: dry to wet

b. Weather Conditions: mostly cloudy & warm mid's 60 to low 60's

c. Wind Direction and Speed: Light & variable

d. Temperature (°C / °F): low 60°F

d. Barometric Conditions (millibars / inches of mercury): ~~758~~ 1011

e. Relative Humidity within range of 10 to 90 per cent. Yes (✓) No ( ) Range 0-0%

f. Water Table Conditions: high

FORM COMPLETED BY: [signature] DATE: 6/2/03

CALIBRATION LOGS

Shaw Shaw Environmental, Inc.

CALIBRATION PRECISION TEST RECORD FORM

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

PARCEL NAME(S): Landfill #1 PARCEL NUMBER(S): 78(6)

DATE: 5/12/03

TIME: 0955

INSTRUMENT MAKE: MicroFID MODEL: Photovac S/N: CZHN323

CALIBRATION GAS TYPE: methane 500 ppm

CALIBRATION GAS MANUFACTURE NAME: Total Safety

CALIBRATION GAS LOT NUMBER: 72067

CALIBRATION GAS EXPIRATION DATE: NA

MEASUREMENT #1:

Meter Reading for Zero Air: 0.0 ppm (1)

Meter Reading for Calibration Gas: 500.1 ppm (2)

MEASUREMENT #2:

Meter Reading for Zero Air: 0.0 ppm (3)

Meter Reading for Calibration Gas: 500.9 ppm (4)

MEASUREMENT #3:

Meter Reading for Zero Air: 0.0 ppm (5)

Meter Reading for Calibration Gas: 499.8 ppm (6)

CALCULATE PRECISION:

$$\frac{[500 - (2)] + [500 - (4)] + [500 - (6)]}{3} \times \frac{1}{500} \times \frac{100}{1}$$

= 0.02 % (must be less than 10%)

notes:

NA= Not Available

CALIBRATION PERFORMED BY: Sharon Dewey DATE: 5/12/03

Shaw Shaw Environmental, Inc.

RESPONSE TIME TEST RECORD FORM

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 716886

PARCEL NAME(S): Landfill 1 PARCEL NUMBER(S): 78(6)

DATE: 5/12/03

TIME: 0955

INSTRUMENT MAKE: MicroFID MODEL: Photovac S/N: CLHN323

CALIBRATION GAS TYPE: methane 500ppm

CALIBRATION GAS MANUFACTURE NAME: Total Safety

CALIBRATION GAS LOT NUMBER: 72067

CALIBRATION GAS EXPIRATION DATE: NA

MEASUREMENT #1:

Stabilized Reading Using Calibration Gas: 500.3 ppm

90% of the Stabilized Reading: = 450 ppm

Time to Reach 90% of Stabilized reading After switching from Zero Air to Calibration Gas 3 seconds (Time 1)

MEASUREMENT #2:

Stabilized Reading Using Calibration Gas: 500.1 ppm

90% of the Stabilized Reading: = 455 ppm

Time Reach 90% of Stabilized Reading After switching from Zero Air to Calibration Gas 3 seconds (Time 2)

MEASUREMENT #3:

Stabilized Reading Using Calibration Gas: 498 ppm

90% of the Stabilized Reading: = 461 ppm

Time to Reach 90% of Stabilized Reading After switching from Zero Air to Calibration Gas 3 seconds (Time 3) Notes: Not Audible

CALCULATE RESPONSE TIME:

$$= \frac{(\text{Time 1}) + (\text{Time 2}) + (\text{Time 3})}{3}$$

= 3 SECONDS (MUST BE LESS THAN 30 SECONDS)

CALIBRATION PERFORMED BY: Shawna Dennis DATE: 5/12/03

Shaw™ Shaw Environmental, Inc.

GEM 500 CALIBRATION VERIFICATION FORM

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

DATE: 5/13/03

TIME: 1305

PARCEL NAME(S): Landfill #1 PARCEL NUMBER(S): 78(b)

INSTRUMENT MAKE: GEM 500 . MODEL: GX1.1 S/N: 6X172

CALIBRATION GAS TYPE: methane, CO_2, O_2

CALIBRATION GAS MANUFACTURE NAME: Pine Env.

CALIBRATION GAS LOT NUMBER: LTB053CM LTB233CM

CALIBRATION GAS EXPIRATION DATE: 2/06, 2/06

CALIBRATION GAS CONCENTRATION: 50% 35% 4%

INSTURMENT READING: 50.0, 35.0, 4.0

CALIBRATION VERIFICATION PERFORMED BY: Shana Deing DATE: 5/13/03

Shaw Shaw Environmental, Inc.

CALIBRATION PROCEDURE AND BACKGROUND DETERMINATION REPORT FORM

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

PARCEL NAME(S): Landfill 1 PARCEL NUMBER(S): 78(6)

DATE: 5/12/03

TIME: 0955

INSTRUMENT MAKE: MicroFID MODEL: Photovac S/N: CZH N323

CALIBRATION GAS TYPE: methane 500ppm

CALIBRATION GAS MANUFACTURE NAME: Total Safety

CALIBRATION GAS LOT NUMBER: 72047

CALIBRATION GAS EXPIRATION DATE: NA

CALIBRATION PROCEDURE

1. Allow instrument to internally zero itself while introducing zero air.

2. Introduce the calibration gas into the probe.
   Stable reading = 500 ppm

3. Adjust meter to read 300 ppm.

BACKGROUND DETERMINATION PROCEDURE

1. Upwind Reading (highest in 30 seconds): 0 ppm (Upwind)
2. Downwind Reading (highest in 30 seconds): 0 ppm (Upwind)

Calculate Background Value:

$$\frac{(\text{Upwind}) + (\text{Downwind})}{2} = \text{Background ppm}$$

Background = 0 ppm

Notes: NA = Not Available

CALIBRATION PERFORMED BY: Shawn Demas DATE: 5/13/03

Shaw Environmental, Inc.

CALIBRATION PRECISION TEST RECORD FORM

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: ~~796882~~ 796886

PARCEL NAME(S): Landfill # 2 PARCEL NUMBER(S): 79(6)

DATE: 5/12/03

TIME: 0955

INSTRUMENT MAKE: Microfid MODEL: Photo vac S/N: CZ IN323

CALIBRATION GAS TYPE: Methane 500ppm

CALIBRATION GAS MANUFACTURE NAME: Total Safety

CALIBRATION GAS LOT NUMBER: 72067

CALIBRATION GAS EXPIRATION DATE: Not Applicable

MEASUREMENT #1:

Meter Reading for Zero Air: 0.0 ppm (1)

Meter Reading for Calibration Gas: 500.1 ppm (2)

MEASUREMENT #2:

Meter Reading for Zero Air: 0 ppm (3)

Meter Reading for Calibration Gas: 500.8 ppm (4)

MEASUREMENT #3:

Meter Reading for Zero Air: 0.0 ppm (5)

Meter Reading for Calibration Gas: 498.8 ppm (6)

CALCULATE PRECISION:

.1 .8 .2 .1

$$\frac{[500 - (2)] + [500 - (4)] + [500 - (6)]}{3} \times \frac{1}{500} \times \frac{100}{1}$$

= 0.82 % (must be less than 10%)

CALIBRATION PERFORMED BY: Shannon Denney DATE: 5/12/03

Shaw™ Shaw Environmental, Inc.

RESPONSE TIME TEST RECORD FORM

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

PARCEL NAME(S): Landfill # 2 PARCEL NUMBER(S): 79(6)

DATE: 5/12/03

TIME: 0955

INSTRUMENT MAKE: Microfid MODEL: Photovac S/N: CZHN323

CALIBRATION GAS TYPE: Methane 500 ppm

CALIBRATION GAS MANUFACTURE NAME: Total Safety

CALIBRATION GAS LOT NUMBER: 72067

CALIBRATION GAS EXPIRATION DATE: not Applicable

MEASUREMENT #1:

Stabilized Reading Using Calibration Gas: 500.3 ppm

90% of the Stabilized Reading: = 450 ppm

Time to Reach 90% of Stabilized reading After switching from Zero Air to Calibration Gas 3 seconds (Time 1)

MEASUREMENT #2:

Stabilized Reading Using Calibration Gas: 500.1 ppm

90% of the Stabilized Reading: = 455 ppm

Time Reach 90% of Stabilized Reading After switching from Zero Air to Calibration Gas 3 seconds (Time 2)

MEASUREMENT #3:

Stabilized Reading Using Calibration Gas: 498 ppm

90% of the Stabilized Reading: = 461 ppm

Time to Reach 90% of Stabilized Reading After switching from Zero Air to Calibration Gas 3 seconds (Time 3)

CALCULATE RESPONSE TIME:

$$\frac{(\text{Time 1}) + (\text{Time 2}) + (\text{Time 3})}{3}$$

= 1 SECONDS (MUST BE LESS THAN 30 SECONDS)

CALIBRATION PERFORMED BY: Shannon Donney DATE: 5/12/03

Shaw Shaw Environmental, Inc.

GEM 500 CALIBRATION VERIFICATION FORM

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

DATE: 5/14/03

TIME: ~~5/14/0~~ 1340

PARCEL NAME(S): Landfill 2 PARCEL NUMBER(S): 79(6)

INSTRUMENT MAKE: GEM 500 MODEL: GX1.1 S/N: GX172

CALIBRATION GAS TYPE: Methane, oxygen

CALIBRATION GAS MANUFACTURE NAME: Pine Env.

CALIBRATION GAS LOT NUMBER: LTB053CM, LTB233CM

CALIBRATION GAS EXPIRATION DATE: 2/06, 2/06

CALIBRATION GAS CONCENTRATION: 50%, 35%, 1%

INSTURMENT READING: 50.0, 35.0, 3.9

CALIBRATION VERIFICATION PERFORMED BY: [signature] DATE: 5/14/02

Shaw™ Shaw Environmental, Inc.

GEM 500 CALIBRATION VERIFICATION FORM

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

DATE: 6/2/03

TIME: 8:40 am

PARCEL NAME(S): 229, 227, 126, 79 & Stump Dump PARCEL NUMBER(S): _____

INSTRUMENT MAKE: GEM 500 . MODEL: GEM1.1 S/N: 173

CALIBRATION GAS TYPE: Methane

CALIBRATION GAS MANUFACTURE NAME: Liquid Technology

CALIBRATION GAS LOT NUMBER: LTD P73 CM

CALIBRATION GAS EXPIRATION DATE: April 2006

CALIBRATION GAS CONCENTRATION: CH_4 50% CO_2 35% Balance Nitrogen

INSTURMENT READING: 50/35/0/15

CALIBRATION VERIFICATION PERFORMED BY: Troy J. Anderson DATE: 6/2/03

Shaw Shaw Environmental, Inc.

CALIBRATION PROCEDURE AND BACKGROUND DETERMINATION REPORT FORM

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796881

PARCEL NAME(S): Landfill #2 PARCEL NUMBER(S): 79(6)

DATE: 5/12/03

TIME: 0955

INSTRUMENT MAKE: Photovac MODEL: Microfid S/N: CZHN323

CALIBRATION GAS TYPE: Methane 500 ppm

CALIBRATION GAS MANUFACTURE NAME: Total Safety

CALIBRATION GAS LOT NUMBER: 72067

CALIBRATION GAS EXPIRATION DATE: Not Applicable

CALIBRATION PROCEDURE

1. Allow instrument to internally zero itself while introducing zero air.

2. Introduce the calibration gas into the probe.
   Stable reading = 500 ppm

3. Adjust meter to read 300 ppm.

BACKGROUND DETERMINATION PROCEDURE

1. Upwind Reading (highest in 30 seconds): Ø ppm (Upwind)

2. Downwind Reading (highest in 30 seconds): Ø ppm (Upwind)

Calculate Background Value:

$$\frac{(\text{Upwind}) + (\text{Downwind})}{2} = \text{Background ppm}$$

Background = Ø ppm

CALIBRATION PERFORMED BY: Shannon Denney DATE: 5/12/03

Shaw Shaw Environmental, Inc.

CALIBRATION PRECISION TEST RECORD FORM

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

PARCEL NAME(S): Landfill 3 PARCEL NUMBER(S): 80(6)

DATE: 5/12/03

TIME: 0955

INSTRUMENT MAKE: MicroFID MODEL: Photovac S/N: C2HN323

CALIBRATION GAS TYPE: Methane 500ppm

CALIBRATION GAS MANUFACTURE NAME: Total Safety

CALIBRATION GAS LOT NUMBER: 72067

CALIBRATION GAS EXPIRATION DATE: N/A

MEASUREMENT #1:

Meter Reading for Zero Air: 0.0 ppm (1)

Meter Reading for Calibration Gas: 500.1 ppm (2)

MEASUREMENT #2:

Meter Reading for Zero Air: 0.0 ppm (3)

Meter Reading for Calibration Gas: 500.8 ppm (4)

MEASUREMENT #3:

Meter Reading for Zero Air: 0.0 ppm (5)

Meter Reading for Calibration Gas: 498.8 ppm (6)

CALCULATE PRECISION:

$$\frac{[500 - (2)] + [500 - (4)] + [500 - (6)]}{3} \times \frac{1}{500} \times \frac{100}{1}$$

$$= 0.02 \text{ \% (must be less than 10\%)}$$

CALIBRATION PERFORMED BY: Shannon Denney DATE: 5/12/03

Shaw™ Shaw Environmental, Inc.

CALIBRATION PROCEDURE AND BACKGROUND DETERMINATION REPORT FORM

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796686

PARCEL NAME(S): Landfill #3 PARCEL NUMBER(S): 80(6)

DATE: 10/1/03

TIME: 13:30

INSTRUMENT MAKE: Micro FID MODEL: PE Photovac S/N: 843006

CALIBRATION GAS TYPE: Methane

CALIBRATION GAS MANUFACTURE NAME: Pine Environmental services Inc

CALIBRATION GAS LOT NUMBER: 88 - 83242

CALIBRATION GAS EXPIRATION DATE: 4/14/00

CALIBRATION PROCEDURE

1. Allow instrument to internally zero itself while introducing zero air.

2. Introduce the calibration gas into the probe.
   Stable reading = 499 ppm

3. Adjust meter to read 300 ppm.

BACKGROUND DETERMINATION PROCEDURE

1. Upwind Reading (highest in 30 seconds): 00 ppm (Upwind)
2. Downwind Reading (highest in 30 seconds): 0.0 ppm (Upwind)

Calculate Background Value:

$$\frac{(\text{Upwind}) + (\text{Downwind})}{2} = \text{Background ppm}$$

Background = 0.0 ppm

CALIBRATION PERFORMED BY: Troy Anderson DATE: 10/1/03

Troy J Anderson

Shaw Environmental, Inc.

RESPONSE TIME TEST RECORD FORM

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

PARCEL NAME(S): Landfill 3 PARCEL NUMBER(S): 80(6)

DATE: 5/12/03

TIME: 0955

INSTRUMENT MAKE: Microfid MODEL: Photovac S/N: CZH N323

CALIBRATION GAS TYPE: Methane 500ppm

CALIBRATION GAS MANUFACTURE NAME: Total Safety

CALIBRATION GAS LOT NUMBER: 72067

CALIBRATION GAS EXPIRATION DATE: N/A

MEASUREMENT #1:

Stabilized Reading Using Calibration Gas: 500.3 ppm

90% of the Stabilized Reading: = 450 ppm

Time to Reach 90% of Stabilized reading After switching from Zero Air to Calibration Gas 3 seconds (Time 1)

MEASUREMENT #2:

Stabilized Reading Using Calibration Gas: 500.1 ppm

90% of the Stabilized Reading: = 455 ppm

Time Reach 90% of Stabilized Reading After switching from Zero Air to Calibration Gas 3 seconds (Time 2)

MEASUREMENT #3:

Stabilized Reading Using Calibration Gas: 498 ppm

90% of the Stabilized Reading: = 461 ppm

Time to Reach 90% of Stabilized Reading After switching from Zero Air to Calibration Gas 3 seconds (Time 3)

CALCULATE RESPONSE TIME:

$$\frac{(\text{Time 1}) + (\text{Time 2}) + (\text{Time 3})}{3}$$

= 3 SECONDS (MUST BE LESS THAN 30 SECONDS)

CALIBRATION PERFORMED BY: Shane Demers DATE: 5/12/03

Shaw Shaw Environmental, Inc.

CALIBRATION PRECISION TEST RECORD FORM

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796686

PARCEL NAME(S): Landfill #3 PARCEL NUMBER(S): 80 (6)

DATE: 10/1/03

TIME: 13:30

INSTRUMENT MAKE: Micro FID MODEL: PE Photovac S/N: 843006

CALIBRATION GAS TYPE: methane

CALIBRATION GAS MANUFACTURE NAME: Pine Environmental services Inc

CALIBRATION GAS LOT NUMBER: 88-83242

CALIBRATION GAS EXPIRATION DATE: 4/14/05

MEASUREMENT #1:

Meter Reading for Zero Air: 0 ppm (1)

Meter Reading for Calibration Gas: 497 ppm (2)

MEASUREMENT #2:

Meter Reading for Zero Air: 0 ppm (3)

Meter Reading for Calibration Gas: 496 ppm (4)

MEASUREMENT #3:

Meter Reading for Zero Air: 0 ppm (5)

Meter Reading for Calibration Gas: 499 ppm (6)

CALCULATE PRECISION:

$$\frac{[500-(2)]+[500-(4)]+[500-(6)]}{3} \times \frac{1}{500} \times \frac{100}{1}$$

= 0.53 % (must be less than 10%)

CALIBRATION PERFORMED BY: Trey Anderson DATE: 10/1/03

Trey Anderson

Shaw Environmental, Inc.

CALIBRATION PROCEDURE AND BACKGROUND DETERMINATION REPORT FORM

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796884

PARCEL NAME(S): Landfill 3 PARCEL NUMBER(S): 80(6)

DATE: 5/12/03

TIME: 0955

INSTRUMENT MAKE: MicroFID MODEL: Photovac S/N: C2HN323

CALIBRATION GAS TYPE: Methane 500ppm

CALIBRATION GAS MANUFACTURE NAME: Total Safety

CALIBRATION GAS LOT NUMBER: 72067

CALIBRATION GAS EXPIRATION DATE: N/A

CALIBRATION PROCEDURE

1. Allow instrument to internally zero itself while introducing zero air.

2. Introduce the calibration gas into the probe.
   Stable reading = 500 ppm

3. Adjust meter to read 300 ppm.

BACKGROUND DETERMINATION PROCEDURE

1. Upwind Reading (highest in 30 seconds): 0 ppm (Upwind)
2. Downwind Reading (highest in 30 seconds): 0 ppm (Upwind)

Calculate Background Value:

$$\frac{(\text{Upwind}) + (\text{Downwind})}{2} = \text{Background ppm}$$

Background = 0 ppm

CALIBRATION PERFORMED BY: Shanna Denney DATE: 5/12/03

Shaw™ Shaw Environmental, Inc.

RESPONSE TIME TEST RECORD FORM

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796686

PARCEL NAME(S): Landfill #3 PARCEL NUMBER(S): 80 (6)

DATE: 10/1/03

TIME: 13:35

INSTRUMENT MAKE: Micro Fid MODEL: PE Photovac S/N: 843006

CALIBRATION GAS TYPE: Methane

CALIBRATION GAS MANUFACTURE NAME: Pine Environmental services

CALIBRATION GAS LOT NUMBER: 88-83242

CALIBRATION GAS EXPIRATION DATE: 4/14/05

MEASUREMENT #1:

Stabilized Reading Using Calibration Gas: 497 ppm

90% of the Stabilized Reading: = 447.3 ppm

Time to Reach 90% of Stabilized reading After switching from Zero Air to Calibration Gas 5 seconds (Time 1)

MEASUREMENT #2:

Stabilized Reading Using Calibration Gas: 496 ppm

90% of the Stabilized Reading: = 446.4 ppm

Time Reach 90% of Stabilized Reading After switching from Zero Air to Calibration Gas 3 seconds (Time 2)

MEASUREMENT #3:

Stabilized Reading Using Calibration Gas: 499 ppm

90% of the Stabilized Reading: = 449.10 ppm

Time to Reach 90% of Stabilized Reading After switching from Zero Air to Calibration Gas 2 seconds (Time 3)

CALCULATE RESPONSE TIME:

$$\frac{(\text{Time 1}) + (\text{Time 2}) + (\text{Time 3})}{3}$$

= 3.33 SECONDS (MUST BE LESS THAN 30 SECONDS)

CALIBRATION PERFORMED BY: Troy Andersen DATE: 10/1/03

Troy J Andersen

Shaw™ Shaw Environmental, Inc.

GEM 500 CALIBRATION VERIFICATION FORM

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

DATE: 5/12/03

TIME: 1540

PARCEL NAME(S): Landfill 3 PARCEL NUMBER(S): 80(6)

INSTRUMENT MAKE: GEM 500 . MODEL: GX1.1 S/N: GX172

CALIBRATION GAS TYPE: 50% methane 35% CO_2 4% O_2

CALIBRATION GAS MANUFACTURE NAME: Pine Enr.

CALIBRATION GAS LOT NUMBER: LTB053CM, LTB233CM

CALIBRATION GAS EXPIRATION DATE: 2/06, 2/06

CALIBRATION GAS CONCENTRATION: 50%, 35%, 4%

INSTURMENT READING: 50.0, 35.1, 4.0

CALIBRATION VERIFICATION PERFORMED BY: Shawna Deering DATE: 5/12/03

Shaw™ Shaw Environmental, Inc.

GEM 500 CALIBRATION VERIFICATION FORM

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

DATE: 10/1/03

TIME: 0745

PARCEL NAME(S): Landfill #3 PARCEL NUMBER(S): 80(6)

INSTRUMENT MAKE: GEM 500 . MODEL: Landtec Em 1/1 S/N: 499

CALIBRATION GAS TYPE: 50% CH_4 35% CO_2, 4% O_2

CALIBRATION GAS MANUFACTURE NAME: Pine Env.

CALIBRATION GAS LOT NUMBER: LTB053CM, LTF033CM

CALIBRATION GAS EXPIRATION DATE: Feb 2006, June 2006

CALIBRATION GAS CONCENTRATION: 50% CH_4, 35% CO_2, 4% O_2

INSTURMENT READING: 50.0% 34.9% 4.0%

CALIBRATION VERIFICATION PERFORMED BY: Shannon Denney DATE: 10/1/03

Shaw Shaw Environmental, Inc.

CALIBRATION PROCEDURE AND BACKGROUND DETERMINATION REPORT FORM

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

PARCEL NAME(S): Fill Area ~~West~~ east Reilly PARCEL NUMBER(S): 227(7)

DATE: 5/12/03

TIME: 0955

INSTRUMENT MAKE: ~~Mine~~ Photovac MODEL: microfid S/N: CZH0323

CALIBRATION GAS TYPE: Methane 500 ppm

CALIBRATION GAS MANUFACTURE NAME: Total Safety

CALIBRATION GAS LOT NUMBER: 72067

CALIBRATION GAS EXPIRATION DATE: not Applicable

CALIBRATION PROCEDURE

1. Allow instrument to internally zero itself while introducing zero air.

2. Introduce the calibration gas into the probe.
   Stable reading = 5660 ppm

3. Adjust meter to read 300 ppm.

BACKGROUND DETERMINATION PROCEDURE

1. Upwind Reading (highest in 30 seconds): 0 ppm (Upwind)

2. Downwind Reading (highest in 30 seconds): 0 ppm (Upwind)

Calculate Background Value:

$$\frac{(\text{Upwind}) + (\text{Downwind})}{2} = \text{Background ppm}$$

Background = 0 ppm

CALIBRATION PERFORMED BY: Shannon Denney DATE: 5/12/03

Shaw Shaw Environmental, Inc.

CALIBRATION PRECISION TEST RECORD FORM

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

PARCEL NAME(S): Fill Area ~~Northwest~~ East Reilly PARCEL NUMBER(S): 227(7)

DATE: ~~5/11/03~~ 5/12/03

TIME: 0955

INSTRUMENT MAKE: ~~Microfid~~ Photovac MODEL: ~~Photovac~~ Microfid S/N: CZ IN 323

CALIBRATION GAS TYPE: Methane 500 ppm

CALIBRATION GAS MANUFACTURE NAME: Total Safety

CALIBRATION GAS LOT NUMBER: 72067

CALIBRATION GAS EXPIRATION DATE: Not Applicable

MEASUREMENT #1:

Meter Reading for Zero Air: 0.0 ppm (1)

Meter Reading for Calibration Gas: 501 ppm (2)

MEASUREMENT #2:

Meter Reading for Zero Air: 0 ppm (3)

Meter Reading for Calibration Gas: 5008 ppm (4)

MEASUREMENT #3:

Meter Reading for Zero Air: ~~499.8~~ 0 ppm (5)

Meter Reading for Calibration Gas: 498.8 ppm (6)

CALCULATE PRECISION:

$$\frac{[500 - (2)] + [500 - (4)] + [500 - (6)]}{3} \times \frac{1}{500} \times \frac{100}{1}$$

= [illegible] % (must be less than 10%)

CALIBRATION PERFORMED BY: Shannon Denney DATE: 5/12/03

Shaw Shaw Environmental, Inc.

RESPONSE TIME TEST RECORD FORM

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

PARCEL NAME(S): Fill Area East Reilly Air Field PARCEL NUMBER(S): ~~79(67)~~ 227(7)

DATE: 5/12/03

TIME: 0955

INSTRUMENT MAKE: MicroFid MODEL: Photovac S/N: CZHN323

CALIBRATION GAS TYPE: Methane 500 ppm

CALIBRATION GAS MANUFACTURE NAME: Total Safety

CALIBRATION GAS LOT NUMBER: 72067

CALIBRATION GAS EXPIRATION DATE: Not Applicable

MEASUREMENT #1:

Stabilized Reading Using Calibration Gas: 506.3 ppm

90% of the Stabilized Reading: = 450 ppm

Time to Reach 90% of Stabilized reading After switching from Zero Air to Calibration Gas 3 seconds (Time 1)

MEASUREMENT #2:

Stabilized Reading Using Calibration Gas: 506.1 ppm

90% of the Stabilized Reading: = 455 ppm

Time Reach 90% of Stabilized Reading After switching from Zero Air to Calibration Gas 3 seconds (Time 2)

MEASUREMENT #3:

Stabilized Reading Using Calibration Gas: 498 ppm

90% of the Stabilized Reading: = 461 ppm

Time to Reach 90% of Stabilized Reading After switching from Zero Air to Calibration Gas 3 seconds (Time 3)

CALCULATE RESPONSE TIME:

$$= \frac{(\text{Time 1}) + (\text{Time 2}) + (\text{Time 3})}{3}$$

= 1 SECONDS (MUST BE LESS THAN 30 SECONDS)

CALIBRATION PERFORMED BY: Shannon Denney DATE: 5/12/03

Shaw™ Shaw Environmental, Inc.

GEM 500 CALIBRATION VERIFICATION FORM

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

DATE: 5/14/03

TIME: 13:40

PARCEL NAME(S): Fill Area ~~North~~ East Reilly PARCEL NUMBER(S): ~~79(7)~~ 227(7)

INSTRUMENT MAKE: GEM 500 . MODEL: GX1.1 S/N: GX172

CALIBRATION GAS TYPE: Methane / oxygen

CALIBRATION GAS MANUFACTURE NAME: Pine Environmental

CALIBRATION GAS LOT NUMBER: LTB053cm / LTB233cm

CALIBRATION GAS EXPIRATION DATE: 02/06

CALIBRATION GAS CONCENTRATION: 50 %, 35% 7%

INSTURMENT READING: 50.0 % 35.0 %, 3.9%

CALIBRATION VERIFICATION PERFORMED BY: Shannon Denney DATE: ~~5/15/03~~ 5/14/03

Shaw™ Shaw Environmental, Inc.

GEM 500 CALIBRATION VERIFICATION FORM

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

DATE: 6/2/03

TIME: 8:40 am

PARCEL NAME(S): 229, 227, 126, 79 & Stump Dump PARCEL NUMBER(S): _____

INSTRUMENT MAKE: GEM 500 . MODEL: GEM1.1 S/N: 173

CALIBRATION GAS TYPE: Methane

CALIBRATION GAS MANUFACTURE NAME: Liquid Technology

CALIBRATION GAS LOT NUMBER: LTD P73 CM

CALIBRATION GAS EXPIRATION DATE: April 2006

CALIBRATION GAS CONCENTRATION: CH_4 50% CO_2 35% Balance Nitrogen

INSTURMENT READING: 50/35/0/15

CALIBRATION VERIFICATION PERFORMED BY: Troy J. Anderson DATE: 6/2/03

Shaw Shaw Environmental, Inc.

CALIBRATION PRECISION TEST RECORD FORM

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796882

PARCEL NAME(S): Former Post Garbage dump PARCEL NUMBER(S): 126 (7)

DATE: 5/12/03

TIME: 0955

INSTRUMENT MAKE: Microfid MODEL: Photovac S/N: CZ IN 323

CALIBRATION GAS TYPE: Methane 500 ppm

CALIBRATION GAS MANUFACTURE NAME: Total Safety

CALIBRATION GAS LOT NUMBER: 72067

CALIBRATION GAS EXPIRATION DATE: N/A

MEASUREMENT #1:

Meter Reading for Zero Air: 0.0 ppm (1)

Meter Reading for Calibration Gas: 500.1 ppm (2)

MEASUREMENT #2:

Meter Reading for Zero Air: 0 ppm (3)

Meter Reading for Calibration Gas: 500.8 ppm (4)

MEASUREMENT #3:

Meter Reading for Zero Air: 0.0 ppm (5)

Meter Reading for Calibration Gas: 498.8 ppm (6)

CALCULATE PRECISION:

$$\frac{\overset{-.1}{[500 - (2)]} + \overset{-.8}{[500 - (4)]} + \overset{1.2}{[500 - (6)]}}{3} \times \frac{1}{500} \times \frac{100}{1}$$

= 0.02 % (must be less than 10%)

CALIBRATION PERFORMED BY: Shannon Denney DATE: 5/12/03

Shaw Shaw Environmental, Inc.

RESPONSE TIME TEST RECORD FORM

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

PARCEL NAME(S): Former Post Garbage Dump PARCEL NUMBER(S): 126(7)

DATE: 5/12/03

TIME: 0955

INSTRUMENT MAKE: Microfid MODEL: PhotoVAC S/N: CZHN323

CALIBRATION GAS TYPE: Methane 500 ppm

CALIBRATION GAS MANUFACTURE NAME: Total Safety

CALIBRATION GAS LOT NUMBER: 72067

CALIBRATION GAS EXPIRATION DATE: N/A

MEASUREMENT #1:

Stabilized Reading Using Calibration Gas: 500.3 ppm

90% of the Stabilized Reading: = 450 ppm

Time to Reach 90% of Stabilized reading After switching from Zero Air to Calibration Gas 3 seconds (Time 1)

MEASUREMENT #2:

Stabilized Reading Using Calibration Gas: 500.1 ppm

90% of the Stabilized Reading: = 455 ppm

Time Reach 90% of Stabilized Reading After switching from Zero Air to Calibration Gas 3 seconds (Time 2)

MEASUREMENT #3:

Stabilized Reading Using Calibration Gas: 498 ppm

90% of the Stabilized Reading: = 461 ppm

Time to Reach 90% of Stabilized Reading After switching from Zero Air to Calibration Gas 3 seconds (Time 3)

CALCULATE RESPONSE TIME:

$$\frac{(\text{Time 1}) + (\text{Time 2}) + (\text{Time 3})}{3}$$

= 1 SECONDS (MUST BE LESS THAN 30 SECONDS)

CALIBRATION PERFORMED BY: Shannon Denney DATE: 5/12/03

Troy J. Anderson

Shaw™ Shaw Environmental, Inc.

CALIBRATION PROCEDURE AND BACKGROUND DETERMINATION REPORT FORM

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 798887

PARCEL NAME(S): Former Post Garbage & Dump PARCEL NUMBER(S): 126(7)

DATE: 5/15/03

TIME: 08:00

INSTRUMENT MAKE: Photovac MODEL: microfid S/N: C7#W323

CALIBRATION GAS TYPE: Methane 500 ppm

CALIBRATION GAS MANUFACTURE NAME: Total Safety

CALIBRATION GAS LOT NUMBER: 72867

CALIBRATION GAS EXPIRATION DATE: Not Applicable

CALIBRATION PROCEDURE

1. Allow instrument to internally zero itself while introducing zero air.

2. Introduce the calibration gas into the probe.
   Stable reading = 500 ppm

3. Adjust meter to read 300 ppm.

BACKGROUND DETERMINATION PROCEDURE

1. Upwind Reading (highest in 30 seconds): 0 ppm (Upwind)
2. Downwind Reading (highest in 30 seconds): 0 ppm (Upwind)

Calculate Background Value:

$$\frac{(\text{Upwind}) + (\text{Downwind})}{2} = \text{Background ppm}$$

Background = 0 ppm

CALIBRATION PERFORMED BY: [signature] DATE: 5/15/03

Shaw Shaw Environmental, Inc.

GEM 500 CALIBRATION VERIFICATION FORM

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

DATE: 5/15/03

TIME: 7:45

PARCEL NAME(S): Former Post Garbage Dump PARCEL NUMBER(S): 126

INSTRUMENT MAKE: GEM 500 . MODEL: GM 1/1 S/N: E0 884

CALIBRATION GAS TYPE: Methane

CALIBRATION GAS MANUFACTURE NAME: Pine Environmental

CALIBRATION GAS LOT NUMBER: LTD 173 cm

CALIBRATION GAS EXPIRATION DATE: April 2006

CALIBRATION GAS CONCENTRATION: 50% CH4 35% CO2 15 Nitrogen

INSTURMENT READING: CH4 CO2 O2 Nitrogen
50% 35% 0 15%

CALIBRATION VERIFICATION PERFORMED BY: [signature] DATE: 5/15/03

Shaw™ Shaw Environmental, Inc.

GEM 500 CALIBRATION VERIFICATION FORM

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

DATE: 6/2/03

TIME: 8:40 am

PARCEL NAME(S): 229, 227, 126, 79 & Stump Dump PARCEL NUMBER(S): _____

INSTRUMENT MAKE: GEM 500 . MODEL: GEM1.1 S/N: 173

CALIBRATION GAS TYPE: Methane

CALIBRATION GAS MANUFACTURE NAME: Liquid Technology

CALIBRATION GAS LOT NUMBER: LTD P73 CM

CALIBRATION GAS EXPIRATION DATE: April 2006

CALIBRATION GAS CONCENTRATION: CH_4 50% CO_2 35% Balance Nitrog

INSTURMENT READING: 50/35/0/15

CALIBRATION VERIFICATION PERFORMED BY: Troy J. Anderson DATE: 6/2/03

Shaw Environmental, Inc.

CALIBRATION PRECISION TEST RECORD FORM

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

PARCEL NAME(S): Field AREA NW Reilly PARCEL NUMBER(S): 229

DATE: 5/12/03

TIME: 14:25

INSTRUMENT MAKE: PhotoVAC MODEL: MicroFid S/N: C 2E H 202

CALIBRATION GAS TYPE: Methane 500 ppm

CALIBRATION GAS MANUFACTURE NAME: Total Safety

CALIBRATION GAS LOT NUMBER: 72067

CALIBRATION GAS EXPIRATION DATE: Not Applicable

MEASUREMENT #1:

Meter Reading for Zero Air: 0 ppm (1)

Meter Reading for Calibration Gas: 503 ppm (2)

MEASUREMENT #2:

Meter Reading for Zero Air: 0 ppm (3)

Meter Reading for Calibration Gas: 499 ppm (4)

MEASUREMENT #3:

Meter Reading for Zero Air: 0 ppm (5)

Meter Reading for Calibration Gas: 500 ppm (6)

CALCULATE PRECISION:

$$\frac{[500 - (2)] + [500 - (4)] + [500 - (6)]}{3} \times \frac{1}{500} \times \frac{100}{1}$$

= 0.26 % (must be less than 10%)

CALIBRATION PERFORMED BY: [signature] DATE: 5/12/03

Shaw Environmental, Inc.

RESPONSE TIME TEST RECORD FORM

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

PARCEL NAME(S): Field Area NW Reilly PARCEL NUMBER(S): 229

DATE: 5/12/03

TIME: 14:22

INSTRUMENT MAKE: Photovac MODEL: MICRO FID S/N: CZEH 202

CALIBRATION GAS TYPE: METHANE 500 PPM

CALIBRATION GAS MANUFACTURE NAME: TOTAL SAFETY

CALIBRATION GAS LOT NUMBER: 72067

CALIBRATION GAS EXPIRATION DATE: _____

MEASUREMENT #1:

Stabilized Reading Using Calibration Gas: 502 ppm

90% of the Stabilized Reading: = 452 ppm

Time to Reach 90% of Stabilized reading After switching from Zero Air to Calibration Gas 10 seconds (Time 1)

MEASUREMENT #2:

Stabilized Reading Using Calibration Gas: 499 ppm

90% of the Stabilized Reading: = 449 ppm

Time Reach 90% of Stabilized Reading After switching from Zero Air to Calibration Gas 7 seconds (Time 2)

MEASUREMENT #3:

Stabilized Reading Using Calibration Gas: 500 ppm

90% of the Stabilized Reading: = 450 ppm

Time to Reach 90% of Stabilized Reading After switching from Zero Air to Calibration Gas 3 seconds (Time 3)

CALCULATE RESPONSE TIME:

$$\frac{(\text{Time 1}) + (\text{Time 2}) + (\text{Time 3})}{3}$$

= 6.6 SECONDS (MUST BE LESS THAN 30 SECONDS)

CALIBRATION PERFORMED BY: [signature] DATE: 5/12/03

Shaw Shaw Environmental, Inc.

CALIBRATION PROCEDURE AND BACKGROUND DETERMINATION REPORT FORM

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

PARCEL NAME(S): Field Area NW Reilly PARCEL NUMBER(S): 229

DATE: 5/12/03

TIME: 14:25

INSTRUMENT MAKE: PhotoVAC MODEL: MICRO FID S/N: CZ EH 202

CALIBRATION GAS TYPE: Methane 500 ppm

CALIBRATION GAS MANUFACTURE NAME: Total Safety

CALIBRATION GAS LOT NUMBER: 72067

CALIBRATION GAS EXPIRATION DATE: Not Applicable

CALIBRATION PROCEDURE

1. Allow instrument to internally zero itself while introducing zero air.

2. Introduce the calibration gas into the probe.
   Stable reading = 500 ppm

3. Adjust meter to read 300 ppm.

BACKGROUND DETERMINATION PROCEDURE

1. Upwind Reading (highest in 30 seconds): 0 ppm (Upwind)

2. Downwind Reading (highest in 30 seconds): 0 ppm (Upwind)

Calculate Background Value:

$$\frac{(\text{Upwind}) + (\text{Downwind})}{2} = \text{Background ppm}$$

Background = 0 ppm

CALIBRATION PERFORMED BY: [signature] DATE: 5/12/03

Shaw Shaw Environmental, Inc.

GEM 500 CALIBRATION VERIFICATION FORM

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

DATE: ~~5/13/03~~ 5/12/03

TIME: ~~0800~~ 14:25

PARCEL NAME(S): Fill area NW of Reilly Airfield PARCEL NUMBER(S): 229

INSTRUMENT MAKE: GEM 500 . MODEL: GM1/1 S/N: E0884

CALIBRATION GAS TYPE: methane

CALIBRATION GAS MANUFACTURE NAME: Pine Env. Services

CALIBRATION GAS LOT NUMBER: LTD173CM

CALIBRATION GAS EXPIRATION DATE: April 2006

CALIBRATION GAS CONCENTRATION: 50% methane, 35% CO_2, balanced in nitrogen

INSTURMENT READING: CH_4 50%, CO_2 35%, O_2 0, Bal 15%

CALIBRATION VERIFICATION PERFORMED BY: [signature] DATE: 5/13/03

Shaw Shaw Environmental, Inc.

GEM 500 CALIBRATION VERIFICATION FORM

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

DATE: 5/13/03

TIME: 7:35

PARCEL NAME(S): Fill Area NW Reilly PARCEL NUMBER(S): 229

INSTRUMENT MAKE: GEM 500 . MODEL: GM 1/1 S/N: E0884

CALIBRATION GAS TYPE: Methane

CALIBRATION GAS MANUFACTURE NAME: Pine Environmental

CALIBRATION GAS LOT NUMBER: LTD173 CM

CALIBRATION GAS EXPIRATION DATE: April 2006

CALIBRATION GAS CONCENTRATION: 50 CH4 35 CO2 Balanced in nitrogen

	CH4	CO2	O2	Bal
INSTURMENT READING:	50%	35%	0%	15%

CALIBRATION VERIFICATION PERFORMED BY: Troy J Anderson DATE: 5/13/03

Shaw™ Shaw Environmental, Inc.

GEM 500 CALIBRATION VERIFICATION FORM

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

DATE: 6/2/03

TIME: 8:40 AM

PARCEL NAME(S): 229, 227, 126, 79 & Stump Dump PARCEL NUMBER(S): _____

INSTRUMENT MAKE: GEM 500 . MODEL: GEM1.1 S/N: 173

CALIBRATION GAS TYPE: Methane

CALIBRATION GAS MANUFACTURE NAME: Liquid Technology

CALIBRATION GAS LOT NUMBER: LTD P73 CM

CALIBRATION GAS EXPIRATION DATE: April 2006

CALIBRATION GAS CONCENTRATION: CH_4 50% CO_2 35% Balance Nitrog

INSTURMENT READING: 50/35/0/15

CALIBRATION VERIFICATION PERFORMED BY: Troy J. Anderson DATE: 6/2/03

(2)

Shaw™ Shaw Environmental, Inc.

CALIBRATION PRECISION TEST RECORD FORM

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

PARCEL NAME(S): Stump dump PARCEL NUMBER(S): 82(7)

DATE: 5/12/03

TIME: 1418

INSTRUMENT MAKE: Photovac MODEL: microtid S/N: 85266

CALIBRATION GAS TYPE: methane 500ppm

CALIBRATION GAS MANUFACTURE NAME: Total Safety

CALIBRATION GAS LOT NUMBER: 72067

CALIBRATION GAS EXPIRATION DATE: Not Applicable

MEASUREMENT #1:

Meter Reading for Zero Air: 0.0 ppm (1)

Meter Reading for Calibration Gas: 501 ppm (2)

MEASUREMENT #2:

Meter Reading for Zero Air: 0.0 ppm (3)

Meter Reading for Calibration Gas: 502.1 ppm (4)

MEASUREMENT #3:

Meter Reading for Zero Air: 0.0 ppm (5)

Meter Reading for Calibration Gas: 499.1 ppm (6)

CALCULATE PRECISION:

$$\frac{\overset{1}{[500 - (2)]} + \overset{2.1}{[500 - (4)]} + \overset{-.9}{[500 - (6)]}}{3} \times \frac{1}{500} \times \frac{100}{1}$$

= .44 % (must be less than 10%)

CALIBRATION PERFORMED BY: Shannon Denney DATE: 5/12/03

Shaw™ Shaw Environmental, Inc.

RESPONSE TIME TEST RECORD FORM

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

PARCEL NAME(S): Stump dump PARCEL NUMBER(S): 82(7)

DATE: 5/12/03

TIME: 1418

INSTRUMENT MAKE: Photovac MODEL: Microfid S/N: 85266

CALIBRATION GAS TYPE: methane 500 ppm

CALIBRATION GAS MANUFACTURE NAME: Total Safety

CALIBRATION GAS LOT NUMBER: 72067

CALIBRATION GAS EXPIRATION DATE: Not Applicable

MEASUREMENT #1:

Stabilized Reading Using Calibration Gas: 500.3 ppm

90% of the Stabilized Reading: = 463 ppm

Time to Reach 90% of Stabilized reading After switching from Zero Air to Calibration Gas 3 seconds (Time 1)

MEASUREMENT #2:

Stabilized Reading Using Calibration Gas: 500.2 ppm

90% of the Stabilized Reading: = 468 ppm

Time Reach 90% of Stabilized Reading After switching from Zero Air to Calibration Gas 4 seconds (Time 2)

MEASUREMENT #3:

Stabilized Reading Using Calibration Gas: 500.9 ppm

90% of the Stabilized Reading: = 461 ppm

Time to Reach 90% of Stabilized Reading After switching from Zero Air to Calibration Gas 3 seconds (Time 3)

CALCULATE RESPONSE TIME:

$$= \frac{(\text{Time 1}) + (\text{Time 2}) + (\text{Time 3})}{3}$$

= 3.3 SECONDS (MUST BE LESS THAN 30 SECONDS)

CALIBRATION PERFORMED BY: Shawn Denney DATE: 5/12/03

Shaw™ Shaw Environmental, Inc.

CALIBRATION PROCEDURE AND BACKGROUND DETERMINATION REPORT FORM

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

PARCEL NAME(S): Stump dump PARCEL NUMBER(S): 82(7)

DATE: 5/12/03

TIME: 1418

INSTRUMENT MAKE: Photovac MODEL: microfid S/N: 85266

CALIBRATION GAS TYPE: methane 500ppm

CALIBRATION GAS MANUFACTURE NAME: Total Safety

CALIBRATION GAS LOT NUMBER: 72067

CALIBRATION GAS EXPIRATION DATE: Not Applicable

CALIBRATION PROCEDURE

1. Allow instrument to internally zero itself while introducing zero air.

2. Introduce the calibration gas into the probe.
   Stable reading = 500 ppm

3. Adjust meter to read 300 ppm.

BACKGROUND DETERMINATION PROCEDURE

1. Upwind Reading (highest in 30 seconds): 0 ppm (Upwind)
2. Downwind Reading (highest in 30 seconds): 0 ppm (Upwind)

Calculate Background Value:

$$\frac{(\text{Upwind}) + (\text{Downwind})}{2} = \text{Background ppm}$$

Background = 0 ppm

CALIBRATION PERFORMED BY: Shaon Perez DATE: 5/12/03

Shaw™ Shaw Environmental, Inc.

CALIBRATION PROCEDURE AND BACKGROUND DETERMINATION REPORT FORM

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

PARCEL NAME(S): Stump Dump PARCEL NUMBER(S): 82(7)

DATE: 6/2/03

TIME: 13:45

INSTRUMENT MAKE: Photo Vac MODEL: Micro Fid S/N: C.7HW323

CALIBRATION GAS TYPE: Methane 500 ppm

CALIBRATION GAS MANUFACTURE NAME: Total Safety

CALIBRATION GAS LOT NUMBER: 72067

CALIBRATION GAS EXPIRATION DATE: Not Applicable

CALIBRATION PROCEDURE

1. Allow instrument to internally zero itself while introducing zero air.

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2. Introduce the calibration gas into the probe.
   Stable reading = 500 ppm

3. Adjust meter to read 300 ppm.

BACKGROUND DETERMINATION PROCEDURE

1. Upwind Reading (highest in 30 seconds): 0 ppm (Upwind)
2. Downwind Reading (highest in 30 seconds): 0 ppm (Upwind)

   Calculate Background Value:

$$\frac{(\text{Upwind}) + (\text{Downwind})}{2} = \text{Background ppm}$$

   Background = 0 ppm

CALIBRATION PERFORMED BY: [signature] DATE: 6/2/03

Shaw Environmental, Inc.

GEM 500 CALIBRATION VERIFICATION FORM

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

DATE: 5/15/03

TIME: 12:05

PARCEL NAME(S): Stump Dump PARCEL NUMBER(S): 82 (7)

INSTRUMENT MAKE: GEM 500 . MODEL: GM 1/1 S/N: E0 844

CALIBRATION GAS TYPE: Methane

CALIBRATION GAS MANUFACTURE NAME: Pine Environmental

CALIBRATION GAS LOT NUMBER: LTD 173 CM

CALIBRATION GAS EXPIRATION DATE: April 2006

CALIBRATION GAS CONCENTRATION: CH4 50% CO2 35% Nitrogen 15%

INSTURMENT READING: CH4 50% CO2 35% O2 0 Nitrogen 15%

CALIBRATION VERIFICATION PERFORMED BY: [signature] DATE: 5/15/03

Shaw™ Shaw Environmental, Inc.

GEM 500 CALIBRATION VERIFICATION FORM

PROJECT NAME: FORT McCLELLAN PROJECT NUMBER: 796886

DATE: 6/2/03

TIME: 8:40 am

PARCEL NAME(S): 229, 227, 126, 79 & Stump Dump PARCEL NUMBER(S): _____

INSTRUMENT MAKE: GEM 500 MODEL: GEM1.1 S/N: 173

CALIBRATION GAS TYPE: Methane

CALIBRATION GAS MANUFACTURE NAME: Liquid Technology

CALIBRATION GAS LOT NUMBER: LTD 173 CM

CALIBRATION GAS EXPIRATION DATE: April 2006

CALIBRATION GAS CONCENTRATION: CH_4 50% CO_2 35% Balance Nitrog

INSTURMENT READING: 50/35/0/15

CALIBRATION VERIFICATION PERFORMED BY: [signature] DATE: 6/2/03