

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268

Client Information

Client:	ACTIVE THERMAL CONCEPTS, INC.
Address:	1110 Industrial Avenue, Hiawatha, Iowa 52233
Job Name:	Ravenna Army Ammunition LL6
Job# / Loc.:	020921 /
LAB REF#:	0103-6665

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
112602-1	REM	TAR ROOFING	EX	HF	8:30	9:00	30	2.04	61.2	3/100	3.82	0.02	JOSH BOMIA
112602-2	REM	TAR ROOFING	P	HF	9:00	2:30	330	2.04	677.2	2.5/100	3.18	<.01	JOSH BOMIA

Method NIOSH 7400 Revision #3 5/15/89
 F/cc Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

ACTIVITY:	SAMPLE TYPE:	Respirator:	
REM-Removal	A-Area	HF- Half Face	Analized By:
CLN-Clean Up	AC-Aggressive Clearance	FF- Full Face	Date Taken: 11/26/02
GBG-Glove Bag	AL-Area Inside	PR- PAPR	Date Analyzed: 01/30/03
PRP-Prep Work	AO-Area Outside	PD- Type-C	
	BKG-Background	EX-Excursion	
	B-Blank	NAE-Negative Air Exhaust	
	C-Clearance	P-Personal(Breathing Zone)	
	CR-Clean Room Area	WLO-Waste Load Out	

Taken By: Chuck Bomia Delivered By: _____ Received By: Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268

Client Information

Client:	ACTIVE THERMAL CONCEPTS, INC.
Address:	1110 Industrial Avenue, Hiawatha, Iowa 52233
Job Name:	Ravenna Army Ammunition LL6
Job# / Loc.:	020921 /
LAB REF#:	0103-6664

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
112502-1	REM	TRANSITE	EX	HF	8:30	9:00	30	2.04	61.2	0/100	0.00	<.01	
112502-2	REM	TRANSITE	P	HF	9:00	4:30	450	2.04	918	3.5/100	4.45	<.01	

Method : NIOSH 7400 Revision #3 5/15/89
 F/cc Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

<p>ACTIVITY:</p> <p>REM-Removal CLN-Clean Up GBG-Glove Bag PRP-Prep Work</p>	<p>SAMPLE TYPE:</p> <p>A-Area AC-Aggressive Clearance AI-Area Inside AO-Area Outside</p>	<p>BKG-Background B-Blank C-Clearance CR-Clean Room Area</p>	<p>EX-Excursion NAE-Negative Air Exhaust P-Personal(Breathing Zone) WLO-Waste Load Out</p>	<p>Respirator:</p> <p>HF- Half Face FF- Full Face PR- PAPR PD- Type-C</p>	<p>Analyzed By: </p> <p>Date Taken: 11/25/02</p> <p>Date Analyzed: 01/30/03</p>
--	--	---	---	---	--

Taken By: Chuck Bomia **Delivered By:** _____ **Received By:** Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268

Client Information

Client:	ACTIVE THERMAL CONCEPTS, INC.
Address:	1110 Industrial Avenue, Hiawatha, Iowa 52233
Job Name:	Ravenna Army Ammunition LL6
Job# / Loc.:	020921 /
LAB REF#:	0103-6663

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
112202-1	REM	TRANSITE	EX	HF	8:30	9:00	30	2.04	61.2	1/100	1.27	<.01	JUSTIN BOMIA
112202-2	REM	TRANSITE	P	HF	9:00	3:00	360	2.04	734.4	0.5/100	0.63	<.01	JUSTIN BOMIA

Method : NIOSH 7400 Revision #3 5/15/89
 f/cc - Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

ACTIVITY:	SAMPLE TYPE:	Respirator:	
REM-Removal	A-Area	HF- Half Face	Analyzed By:
CLN-Clean Up	AC-Aggressive Clearance	FF- Full Face	Date Taken: 11/22/02
GIBG-Glove Bag	AI-Area Inside	PR- PAPR	Date Analyzed: 01/30/03
PRP-Prep Work	AO-Area Outside	PD- Type-C	
	BKG-Background	EX-Excursion	
	B-Blank	NAE-Negative Air Exhaust	
	C-Clearance	P-Personal(Breathing Zone)	
	CR-Clean Room Area	WLO-Waste Load Out	

Taken By: Chuck Bomia Delivered By: _____ Received By: Erik Daubman

AIR SAMPLE DATA SHEET

Client Information

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268

Client:	ACTIVE THERMAL CONCEPTS, INC.
Address:	1110 Industrial Avenue, Hiawatha, Iowa 52233
Job Name:	Ravenna Army Ammunition LL6
Job# / Loc.:	020921 /
LAB REF#:	0103-6662

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
112102-1	REM	TRANSITE	EX	HF	8:30	9:00	30	2.04	61.2	11/100	14.01	0.08	JUSTIN BOMIA
112102-2	REM	TRANSITE	P	HF	9:00	5:15	495	2.04	1009.8	18.5/100	23.56	<.01	JUSTIN BOMIA

Method : NIOSH 7400 Revision #3 5/15/89
 F/cc - Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

ACTIVITY: REM-Removal CLN-Clean Up GBG-Glove Bag PRP-Prep Work	SAMPLE TYPE: A-Area AC-Aggressive Clearance AL-Area Inside AO-Area Outside	BKG-Background B-Blank C-Clearance CR-Clean Room Area
		EX-Excursion NAE-Negative Air Exhaust P-Personal(Breathing Zone) WLO-Waste Load Out
		Respirator: HF- Half Face FF- Full Face PR- PAPR PD- Type-C

Analyzed By:
Date Taken: 11/21/02
Date Analyzed: 01/30/03

Taken By: Chuck Bomia **Delivered By:** _____ **Received By:** Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268

Client Information

Client:	ACTIVE THERMAL CONCEPTS, INC.
Address:	1110 Industrial Avenue, Hiawatha, Iowa 52233
Job Name:	Ravenna Army Ammunition LL6
Job# / Loc.:	020921 /
LAB REF#:	0103-6661

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
112002-1	REM	TRANSITE	EX	HF	8:30	9:00	30	2.04	61.2	61/100	77.70	0.48	KEVIN ALBERS
112002-2	REM	TRANSITE	P	HF	9:00	5:30	630	2.04	1285.2	NO CASSETTE	N/A		KEVIN ALBERS

Method : NIOSH 7400 Revision #3 5/15/89
 F/cc: Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

ACTIVITY:	SAMPLE TYPE:	Respirator:	
REM-Removal	A-Area	HF- Half Face	Analyzed By:
CLN-Clean Up	AC-Aggressive Clearance	FF- Full Face	Date Taken: <u>11/20/02</u>
GBG-Glove Bag	AL-Area Inside	PR- PAPR	Date Analyzed: <u>01/30/03</u>
PRP-Prep Work	AO-Area Outside	PD- Type-C	
	BKG-Background	EX-Excursion	
	B-Blank	NAE-Negative Air Exhaust	
	C-Clearance	P-Personal(Breathing Zone)	
	CR-Clean Room Area	WLO-Waste Load Out	

Taken By: Chuck Bomia Delivered By: _____ Received By: Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
 2435 E. Kimberly Rd., Suite 160S.
 Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268

Client Information

Client: ACTIVE THERMAL CONCEPTS, INC.
 Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233
 Job Name: Ravenna Army Ammunition LL6
 Job# / Loc.: 020921 /
 LAB REF#: 0103-6660

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
111802-1	REM	TRANSITE PANELS	EX	HF	8:30	9:00	30	2.04	61.2	2.5/100	3.18	0.02	JOSH BOMIA
111802-2	REM	TRANSITE PANELS	P	HF	9:00	4:40	520	2.04	1060.8	6/100	7.64	<.01	JOSH BOMIA

Method: NIOSH 7400 Revision #3 5/15/89

F/cc - Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:


ACTIVITY:
 RI-M Removal
 CI-N-Clean Up
 GBCG-Glove Bag
 PRP-Prep Work

SAMPLE TYPE:
 A-Area
 AC-Aggressive Clearance
 AI-Area Inside
 AO-Area Outside

BKG-Background
 B-Blank
 C-Clearance
 CR-Clean Room Area

EX-Excursion
 NAE-Negative Air Exhaust
 P-Personal(Breathing Zone)
 WLO-Waste Load Out

Respirator:
 HF- Half Face
 FF- Full Face
 PR- PAPR
 PD- Type-C

Analyzed By: 
 Date Taken: 11/18/02
 Date Analyzed: 01/28/03

Taken By: Chuck Bomia

Delivered By: _____

Received By: Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268


Client Information

Client: ACTIVE THERMAL CONCEPTS, INC.
Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233
Job Name: Ravenna Army Ammunition LL6
Job# / Loc.: 020921 /
LAB REF#: 0103-6659

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
111502-1	REM	TRANSITE PANELS	EX	HF	8:30	9:00	30	2.04	61.2	2/100	2.54	0.01	KEVIN ALBERS
111502-2	REM	TRANSITE PANELS	P	HF	9:00	4:30	450	2.04	918	7/100	8.91	<.01	KEVIN ALBERS

Method: NIOSH 7400 Revision #3 5/15/89
 Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

ACTIVITY:	SAMPLE TYPE:	Respirator:	
RI-Removal	A-Area	HF- Half Face	Analyzed By: 
CU-Clean Up	AC-Aggressive Clearance	FF- Full Face	Date Taken: 11/15/02
GBG-Glove Bag	AI-Area Inside	PR- PAPR	Date Analyzed: 01/28/03
PRP-Prep Work	AO-Area Outside	PD- Type-C	
	BKG-Background	EX-Excursion	
	B-Blank	NAE-Negative Air Exhaust	
	C-Clearance	P-Personal(Breathing Zone)	
	CR-Clean Room Area	WLO-Waste Load Out	

Taken By: Chuck Bomia Delivered By: _____ Received By: Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268

Client Information


Client: ACTIVE THERMAL CONCEPTS, INC.
 Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233
 Job Name: Ravenna Army Ammunition LL6
 Job# / Loc.: 020921 /
 LAB REF#: 0103-6658

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
111402-1	REM	TRANSITE PANELS	EX	HF	8:30	9:00	30	2.04	61.2	9/100	11.46	0.07	KEVIN ALBERS
111402-2	REM	TRANSITE PANELS	P	HF	9:00	4:30	480	2.04	918	9/100	11.46	<.01	KEVIN ALBERS

Method: NIOSH 7400 Revision #3 5/15/89
 l/cc - Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

- | | | | | |
|---|--|---|---|---|
| <p>ACTIVITY:
 REM-Removal
 C/N-Clean Up
 G/BG-Glove Bag
 PRP-Prep Work</p> | <p>SAMPLE TYPE:
 A-Area
 AC-Aggressive Clearance
 AI-Area Inside
 AO-Area Outside</p> | <p>BKG-Background
 B-Blank
 C-Clearance
 CR-Clean Room Area</p> | <p>EX-Excursion
 NAE-Negative Air Exhaust
 P-Personal(Breathing Zone)
 WLO-Waste Load Out</p> | <p>Respirator:
 HF- Half Face
 FF- Full Face
 PR- PAPR
 PD- Type-C</p> |
|---|--|---|---|---|

Analyzed By: 
 Date Taken: 11/14/02
 Date Analyzed: 01/28/03

Taken By: **Chuck Bomia** Delivered By: _____ Received By: **Erik Daubman**

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268

Client Information

Client:	ACTIVE THERMAL CONCEPTS, INC.
Address:	1110 Industrial Avenue, Hiawatha, Iowa 52233
Job Name:	Ravenna Army Ammunition LL6
Job# / Loc.:	020921 /
LAB REF#:	0103-6657

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
111302-1	REM	TRANSITE PANELS	EX	HF	8:30	9:00	30	2.04	61.2	12.5/100	15.92	0.10	JOSH BOMIA
111302-2	REM	TRANSITE PANELS	P	HF	9:00	4:40	520	2.04	1060.8	9/100	11.46	<.01	JOSH BOMIA

Method NIOSH 7400 Revision #3 5/15/89
 F/cc = Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

ACTIVITY: REM-Removal CLN-Clean Up GIBG-Glove Bag PRP-Prep Work	SAMPLE TYPE: A-Area AC-Aggressive Clearance AI-Area Inside AO-Area Outside	BKG-Background B-Blank C-Clearance CR-Clean Room Area	EX-Excursion NAE-Negative Air Exhaust P-Personal(Breathing Zone) WLO-Waste Load Out
--	---	--	--

Respirator:
 HF- Half Face
 FF- Full Face
 PR- PAPR
 PD- Type-C

Analyzed By:
Date Taken: 11/13/02
Date Analyzed: 01/28/03

Taken By: Chuck Bomia **Delivered By:** **Received By:** Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268

Client Information


Client: ACTIVE THERMAL CONCEPTS, INC.
Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233
Job Name: Ravenna Army Ammunition LL6
Job# / Loc.: 020921 /
LAB REF#: 0103-6656

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
111202-1	REM	TRANSITE	EX	HF	8:30	9:00	30	2.04	61.2	2/100	2.54	0.01	KEVIN ALBERS
111202-2	REM	TRANSITE	P	HF	9:00	4:20		2.04	897.6	44.5/100	56.68	0.02	KEVIN ALBERS

Method NIOSH 7400 Revision #3 5/15/89
F/cc - Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

- | | | | | |
|---|--|--|--|--|
| ACTIVITY:
REM-Removal
CLN-Clean Up
GBG-Glove Bag
PRP-Prep Work | SAMPLE TYPE:
A-Area
AC-Aggressive Clearance
AI -Area Inside
AO-Area Outside | BKG-Background
B-Blank
C-Clearance
CR-Clean Room Area | EX-Excursion
NAE-Negative Air Exhaust
P-Personal(Breathing Zone)
WLO-Waste Load Out | Respirator:
HF- Half Face
FF- Full Face
PR- PAPR
PD- Type-C |
|---|--|--|--|--|

Analyzed By: 
 Date Taken: 11/12/02
 Date Analyzed: 01/28/03

Taken By: Chuck Bomia Delivered By: Received By: Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268

Client Information

Client: ACTIVE THERMAL CONCEPTS, INC.
Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233
Job Name: Ravenna Army Ammunition LL6
Job# / Loc.: 020921 /
LAB REF#: 0103-6655

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
111102-1	REM	TRANSITE	EX	HF	8:45	9:15	30	2.04	61.2	0.5/100	0.63	<.01	KEVIN WHITTEMORE
111102-2	REM	TRANSITE	P	HF	9:15	4:30	405	2.04	826.2	22.5/100	28.66	0.01	KEVIN WHITTEMORE

Method: NIOSH 7400 Revision #3 5/15/89

F/cc Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

ACTIVITY:

REM-Removal
CLN-Clean Up
GBG-Glove Bag
PRP-Prep Work

SAMPLE TYPE:

A-Area
AC-Aggressive Clearance
AI-Area Inside
AO-Area Outside

BKG-Background
B-Blank
C-Clearance
CR-Clean Room Area

EX-Excursion
NAE-Negative Air Exhaust
P-Personal(Breathing Zone)
WLO-Waste Load Out

Respirator:

HF- Half Face
FF- Full Face
PR- PAPR
PD- Type-C

Analyzed By:



Date Taken: 11/11/02

Date Analyzed: 01/28/03

Taken By: Chuck Bomia

Delivered By:

Received By: Erik Dauhman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268

Client Information

Client: ACTIVE THERMAL CONCEPTS, INC.
Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233
Job Name: Ravenna Army Ammunition LL6
Job# / Loc.: 020921 /
LAB REF#: 0103-6654


Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
110802-1	REM	TRANSITE	EX	HF	12:15	12:45	30	2.04	61.2	NO CASSETTE	N/A		CHARLES BURGESS
110802-2	REM	TRANSITE	P	HF	12:45	4:15	240	2.04	489.6	NO CASSETTE	N/A		CHARLES BURGESS

Method NIOSH 7400 Revision #3 5/15/89
1/cc - Fibers per Cubic Centimeter of air Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

ACTIVITY: REM-Removal CU-Clean Up GBG-Glove Bag PRP-Prep Work	SAMPLE TYPE: A-Area AC-Aggressive Clearance AI-Area Inside AO-Area Outside	BKG-Background B-Blank C-Clearance CR-Clean Room Area	EX-Excursion NAE-Negative Air Exhaust P-Personal(Breathing Zone) WLO-Waste Load Out
--	---	---	---

Respirator:
HF- Half Face
FF- Full Face
PR- PAPR
PD- Type-C

Analyzed By: 
Date Taken: 11/08/02
Date Analyzed: 01/28/03

Taken By: Chuck Bomia Delivered By: Received By: Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
 2435 E. Kimberly Rd., Suite 160S.
 Bettendorf, Iowa 52722

Phone (563) 355-6277


Fax (563) 355-6268

Client Information

Client: ACTIVE THERMAL CONCEPTS, INC.
 Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233
 Job Name: Ravenna Army Ammunition LL6
 Job# / Loc.: 020921 /
 LAB REF#: 0103-6653

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
110702-1	REM	TRANSITE	EX	HF	8:30	9:00	30	2.04	61.2	NO CASSETTE	N/A	JOSH BOMIA	
110702-2	REM	TRANSITE	P	HF	9:00	4:30	450	2.04	918	NO CASSETTE	N/A	JOSH BOMIA	

Method: NIOSH 7400 Revision #3 5/15/89
 F/cc - Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:
 ACTIVITY: REM-Removal, CU-Clean Up, GBC-Glove Bag, PRP-Prep Work
 SAMPLE TYPE: A-Area, AC-Aggressive Clearance, AI-Area Inside, AO-Area Outside, BKG-Background, B-Blank, C-Clearance, CR-Clean Room Area, EX-Excursion, NAE-Negative Air Exhaust, P-Personal(Breathing Zone), WLO-Waste Load Out
 Respirator: HF- Half Face, FF- Full Face, PR- PAPR, PD- Type-C
 Analyzed By: 
 Date Taken: 11/07/02
 Date Analyzed: 01/28/03

Taken By: Chuck Bomia Delivered By: Received By: Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
 2435 E. Kimberly Rd., Suite 160S.
 Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268

Client Information

Client: ACTIVE THERMAL CONCEPTS, INC.
 Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233
 Job Name: Ravenna Army Ammunition LL6
 Job# / Loc.: 020921 /
 LAB REF#: 0103-6652

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
110602-1	REM	TRANSITE	EX	HF	1:00	1:30	30	2.04	61.2	NO CASSETTE	N/A	N/A	KEVIN ALBERS
110602-2	REM	TRANSITE	P	HF	1:30	4:00	150	2.04	306	NO CASSETTE	N/A	N/A	KEVIN ALBERS

Method: NIOSH 7400 Revision #3 5/15/89

cc = Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

ACTIVITY:

REM-Removal
 CN-Clean Up
 GBG-Glove Bag
 PRP-Prep Work

SAMPLE TYPE:

A-Area
 AC-Aggressive Clearance
 AI-Area Inside
 AO-Area Outside

BKG-Background
 B-Blank
 C-Clearance
 CR-Clean Room Area

EX-Excursion
 NAE-Negative Air Exhaust
 P-Personal(Breathing Zone)
 WLO-Waste Load Out

Respirator:

HF- Half Face
 FF- Full Face
 PR- PAPR
 PD- Type-C

Analyzed By: 

Date Taken: 11/06/02

Date Analyzed: 01/28/03

Taken By: Chuck Bomia

Delivered By:

Received By: Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268

Client Information

Client: ACTIVE THERMAL CONCEPTS, INC.
Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233
Job Name: Ravenna Army Ammunition LL6
Job# / Loc.: 020921 /
LAB REF#: 0103-6651

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
110502-1	REM	TRANSITE	EX	HF	8:35	9:05	30	2.04	61.2	NO CASSETTE	N/A		KEVIN ALBERS
110502-2	REM	TRANSITE	P	HF	9:05	3:00	355	2.04	724.2	NO CASSETTE	N/A		KEVIN ALBERS

Method: NIOSH 7400 Revision #3 5/15/89
 F/cc - Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

ACTIVITY:	SAMPLE TYPE:	Respirator:	
RI-M-Removal	A-Area	HF- Half Face	Analyzed By:
CLN-Clean Up	AC-Aggressive Clearance	FF- Full Face	Date Taken: 11/05/02
GBC-Glove Bag	AI -Area Inside	PR- PAPR	Date Analyzed: 01/28/03
PRP-Prep Work	AO-Area Outside	PD- Type-C	
	BKG-Background	EX-Excursion	
	B-Blank	NAE-Negative Air Exhaust	
	C-Clearance	P-Personal(Breathing Zone)	
	CR-Clean Room Area	WLO-Waste Load Out	

Taken By: Chuck Bomia **Delivered By:** _____ **Received By:** Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268

Client Information

Client:	ACTIVE THERMAL CONCEPTS, INC.
Address:	1110 Industrial Avenue, Hiawatha, Iowa 52233
Job Name:	Ravenna Army Ammunition LL6
Job# / Loc.:	020921 /
LAB REF#:	0103-6650

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
110402-1	REM	TRANSITE	EX	HF	8:30	9:00	30	2.04	61.2	4/100	5.09	0.03	KEVIN ALBERS
110402-2	REM	TRANSITE	P	HF	9:00	3:40	400	2.04	816	19/100	24.20	0.01	KEVIN ALBERS

Method: NIOSH 7400 Revision #3 5/15/89
 f/cc - Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

ACTIVITY:

REM-Removal
 CLN-Clean Up
 GBC-Glove Bag
 PRP-Prep Work

SAMPLE TYPE:

A-Area
 AC-Aggressive Clearance
 AI-Area Inside
 AO-Area Outside

BKG-Background
 B-Blank
 C-Clearance
 CR-Clean Room Area

EX-Excursion
 NAE-Negative Air Exhaust
 P-Personal(Breathing Zone)
 WLO-Waste Load Out

Respirator:

HF- Half Face
 FF- Full Face
 PR- PAPR
 PD- Type-C

Analyzed By: 

Date Taken: 11/04/02

Date Analyzed: 01/28/03

Taken By: Chuck Bomia

Delivered By:

Received By: Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
 2435 E. Kimberly Rd., Suite 160S.
 Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355-6268

Client Information

Client:	ACTIVE THERMAL CONCEPTS, INC.
Address:	1110 Industrial Avenue, Hiawatha, Iowa 52233
Job Name:	Ravenna Army Ammunition LL6
Job# / Loc.:	020921 /
LAB REF#:	1002-6211

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
101402-1	10/14	DT-22	AO	HF	10:30	4:45	375	2.04	765	NO CASSETTE	N/A		JOSH BOMIA
101402-2	10/14	DT-22	AO	HF	10:30	4:45	375	2.04	765	NO CASSETTE	N/A		JOSH BOMIA
		ROLLED ROOFING											
101502-1	10/15	DT-22	AO	HF	8:45	4:45	480	2.04	979.2	2/100	2.54	<.01	JOSH BOMIA
101502-2	10/15	DT-22	AO	HF	8:45	4:45	480	2.04	979.2	2/100	2.54	<.01	JOSH BOMIA

Method: NIOSH 7400 Revision #3 5/15/89

F/cc = Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time

ABBREVIATIONS:

ACTIVITY:

REM-Removal
 CLN-Clean Up
 GBG-Glove Bag
 PRP-Prep Work

SAMPLE TYPE:

A-Area
 AC-Aggressive Clearance
 AI-Area Inside
 AO-Area Outside

BKG-Background
 B-Blank
 C-Clearance
 CR-Clean Room Area

EX-Excursion
 NAE-Negative Air Exhaust
 P-Personal(Breathing Zone)
 WLO-Waste Load Out

Respirator:

HF- Half Face
 FF- Full Face
 PR- PAPR
 PD- Type-C

Analyzed By:

Date Taken: 10/15/02

Date Analyzed: 11/05/02

Taken By: Chuck Bomia

Delivered By: _____

Received By: Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268

Client Information

Client: ACTIVE THERMAL CONCEPTS, INC.
Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233
Job Name: Ravenna Army Ammunition LL6
Job# / Loc.: 020921 /
LAB REF#: 0103-6638

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
101702-2	REM	TRANSITE	EX	HF	9:30	10:00	30	2.04	61.2	25.5/100	32.48	0.20	CHARLES BURGESS
101702-1	REM	TRANSITE	P	HF	9:30	5:15	465	2.04	948.6	3/100	3.82	<.01	CHARLES BURGESS
101702-3	REM	TRANSITE	P	HF	9:30	5:30	480	2.04	979.2	1.5/100	1.91	<.01	ADRIAL BRADFORD

Method: NIOSH 7400 Revision #3 5/15/89

Note: Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

ACTIVITY:

REM-Removal
C/U-Clean Up
G/BG-Glove Bag
PRP-Prep Work

SAMPLE TYPE:

A-Area
AC-Aggressive Clearance
AI-Area Inside
AO-Area Outside

BKG-Background
B-Blank
C-Clearance
CR-Clean Room Area

EX-Excursion
NAE-Negative Air Exhaust
P-Personal(Breathing Zone)
WLO-Waste Load Out

Respirator:

HF- Half Face
FF- Full Face
PR- PAPR
PD- Type-C

Analyzed By: 

Date Taken: 10/17/02

Date Analyzed: 01/28/03

Taken By: Chuck Bomia

Delivered By:

Received By: Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268


Client Information

Client: ACTIVE THERMAL CONCEPTS, INC.
 Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233
 Job Name: Ravenna Army Ammunition LL6
 Job# / Loc.: 020921 /
 LAB REF#: 0103-6639

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
101802-1	REM	TRANSITE	EX	HF	8:30	9:00	30	2.04	61.2	1.5/100	1.91	0.01	ADRIAL BRADFORD
101802-2	REM	TRANSITE	P	HF	9:00	4:30	490	2.04	999.6	3/100	3.82	<.01	ADRIAL BRADFORD
101802-3	REM	TRANSITE	P	HF	8:30	4:30	480	2.04	979.2	21/100	26.75	0.01	KEVIN ALBERS

Method: NIOSH 7400 Revision #3 5/15/89
 l/cc - Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

ACTIVITY:	SAMPLE TYPE:	Respirator:	
REM-Removal	A-Area	HF- Half Face	Analyzed By: 
CN-Clean Up	AC-Aggressive Clearance	FF- Full Face	Date Taken: 10/18/02
GBG-Glove Bag	AI-Area Inside	PR- PAPR	Date Analyzed: 01/28/03
PRP-Prep Work	AO-Area Outside	PD-Type-C	

Taken By: **Chuck Bomia** Delivered By: _____ Received By: **Erik Daubman**

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268


Client Information

Client: ACTIVE THERMAL CONCEPTS, INC.
 Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233
 Job Name: Ravenna Army Ammunition LL6
 Job# / Loc.: 020921 /
 LAB REF#: 0103-6640

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
102102-1	REM	TRANSITE	EX	HF	12:30	1:00	30	2.04	61.2	0.5/100	0.63	<.01	CHARLES BURGESS
102102-2	REM	TRANSITE	P	HF	1:00	5:15	255	2.04	520.2	27.5/100	35.03	0.02	CHARLES BURGESS
102102-3	REM	TRANSITE	P	HF	8:30	5:15	525	2.04	1101.6	4/100	5.09	<.01	JOSH BOMIA

Method: NIOSH 7400 Revision #3 5/15/89
 F/cc: Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

ACTIVITY: REM-Removal CLN-Clean Up GIBG-Glove Bag PRP-Prep Work	SAMPLE TYPE: A-Area AC-Aggressive Clearance AI-Area Inside AO-Area Outside	BKG-Background B-Blank C-Clearance CR-Clean Room Area	EX-Excursion NAE-Negative Air Exhaust P-Personal(Breathing Zone) WLO-Waste Load Out	Respirator: HF- Half Face FF- Full Face PR- PAPR PD- Type-C	Analyzed By:  Date Taken: 01/21/02 Date Analyzed: 01/28/03
--	---	--	--	--	--

Taken By: Chuck Bomia **Delivered By:** **Received By:** Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355-6268

Client Information

Client:	ACTIVE THERMAL CONCEPTS, INC.
Address:	1110 Industrial Avenue, Hiawatha, Iowa 52233
Job Name:	Ravenna Army Ammunition LL6
Job# / Loc.:	020921 /
LAB REF#:	0103-6641

Sample Number	Activity	Location or Description	Sample Type	Type Rsptr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
102202-1	REM	TRANSITE	EX	HF	8:30	9:00	30	2.04	61.2	10/100	12.73	0.08	JOSH BOMIA
102202-2	REM	TRANSITE	P	HF	9:00	5:20	470	2.04	958.8	9.5/100	12.10	<.01	JOSH BOMIA
1022-029	REM	TRANSITE	P	HF	8:30	5:20	530	2.04	1087.2	4/100	5.09	<.01	A.G. BRADFORD

Method: NIOSH 7400 Revision #3 5/15/89
 Note: Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

- | | | |
|------------------|----------------------------|--------------------|
| ACTIVITY: | SAMPLE TYPE: | Respirator: |
| REM-Removal | A-Area | HF- Half Face |
| CUN-Clean Up | AC-Aggressive Clearance | FF- Full Face |
| GBG-Glove Bag | AI -Area Inside | PR- PAPR |
| PRP-Prep Work | AO-Area Outside | PD- Type-C |
| | BKG-Background | |
| | B-Blank | |
| | C-Clearance | |
| | CR-Clean Room Area | |
| | EX-Excursion | |
| | NAE-Negative Air Exhaust | |
| | P-Personal(Breathing Zone) | |
| | WLO-Waste Load Out | |

Analyzed By:
Date Taken: 10/22/02
Date Analyzed: 01/28/03

Taken By: Chuck Bomia
 Delivered By: _____
 Received By: Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355-6268

Client Information

Client:	ACTIVE THERMAL CONCEPTS, INC.
Address:	1110 Industrial Avenue, Hiawatha, Iowa 52233
Job Name:	Ravenna Army Ammunition LL6
Job# / Loc.:	020921 /
LAB REF#:	0103-6642

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
102302-1	REM	TRANSITE	EX	HF	9:15	9:45	30	2.04	61.2	1.5/100	1.91	0.01	CHARLES BURGESS
102302-2	REM	TRANSITE	P	HF	9:45	4:30	405	2.04	979.2	4.5/100	5.73	<.01	CHARLES BURGESS
102302-3	REM	TRANSITE	P	HF	9:15	4:30	465	2.04	948.6	2/100	2.54	<.01	JOSH BOMIA

Method: NIOSH 7400 Revision #3 5/15/89
 Unit: Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

ACTIVITY: REM-Removal CUN-Clean Up GBG-Glove Bag PRP-Prep Work	SAMPLE TYPE: A-Area AC-Aggressive Clearance AI-Area Inside AO-Area Outside	BKG-Background B-Blank C-Clearance CR-Clean Room Area	EX-Excursion NAE-Negative Air Exhaust P-Personal(Breathing Zone) WLO-Waste Load Out	Respirator: HF- Half Face FF- Full Face PR- PAPR PD-Type-C	Analyzed By: Date Taken: 10/23/02 Date Analyzed: 01/28/03
---	---	---	---	---	--

Taken By: Chuck Bomia **Delivered By:** _____ **Received By:** Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268

Client Information


Client: ACTIVE THERMAL CONCEPTS, INC.
Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233
Job Name: Ravenna Army Ammunition LL6
Job# / Loc.: 020921 /
LAB REF#: 0103-6643

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
102402-1	REM	TRANSITE	EX	HF	8:30	9:00	30	2.04	61.2	3/100	3.82	0.02	KEVIN ALBERS
102402-2	REM	TRANSITE	P	HF	9:00	11:30	150	2.04	306	9/100	11.46	<.01	KEVIN ALBERS
102402-3	REM	TRANSITE	P	HF	8:30	4:30	480	2.04	979.2	21.5/100	27.38	0.01	CHRIS POSTELL

Method - NIOSH 7400 Revision #3 5/15/89
 F/cc - Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

- | | | |
|------------------|----------------------------|--------------------|
| ACTIVITY: | SAMPLE TYPE: | Respirator: |
| REM-Removal | A-Area | HF- Half Face |
| CLN-Clean Up | AC-Aggressive Clearance | FF- Full Face |
| GIBG-Glove Bag | AI-Area Inside | PR- PAPR |
| PRP-Prep Work | AO-Area Outside | PD- Type-C |
| | BKG-Background | |
| | B-Blank | |
| | C-Clearance | |
| | CR-Clean Room Area | |
| | EX-Excursion | |
| | NAE-Negative Air Exhaust | |
| | P-Personal(Breathing Zone) | |
| | WLO-Waste Load Out | |

Analyzed By: 
Date Taken: 10/24/02
Date Analyzed: 01/28/03

Taken By: Chuck Bomia **Delivered By:** _____ **Received By:** Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268

Client Information

Client:	ACTIVE THERMAL CONCEPTS, INC.
Address:	1110 Industrial Avenue, Hiawatha, Iowa 52233
Job Name:	Ravenna Army Ammunition LL6
Job# / Loc.:	020921 /
LAB REF#:	0103-6644

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
102502-1	REM	TRANSITE	EX	HF	8:45	9:15	30	2.04	61.2	NO CASSETTE	N/A	N/A	KEVIN ALBERS
102502-2	REM	TRANSITE	P	HF	9:15	2:45	390	2.04	795.6	NO CASSETTE	N/A	N/A	KEVIN ALBERS

Method: NIOSH 7400 Revision #3 5/15/89
 F/cc - Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

<p>ACTIVITY:</p> <p>RM-Removal CLN-Clean Up GBG-Glove Bag PRP-Prep Work</p>	<p>SAMPLE TYPE:</p> <p>A-Area AC-Aggressive Clearance AI-Area Inside AO-Area Outside</p>	<p>BKG-Background B-Blank C-Clearance CR-Clean Room Area</p>	<p>EX-Excursion NAE-Negative Air Exhaust P-Personal(Breathing Zone) WLO-Waste Load Out</p>	<p>Respirator:</p> <p>HF- Half Face FF- Full Face PR- PAPR PD- Type-C</p>	<p>Analyzed By: </p> <p>Date Taken: 10/25/02</p> <p>Date Analyzed: 01/28/03</p>
---	--	---	---	---	--

Taken By: Chuck Bomia **Delivered By:** _____ **Received By:** Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268


Client Information

Client: ACTIVE THERMAL CONCEPTS, INC.
Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233
Job Name: Ravenna Army Ammunition LL6
Job# / Loc.: 020921 /
LAB REF#: 0103-6645

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
102802-1	REM	TRANSITE	EX	HF	8:30	9:00	30	2.04	61.2	7.5/100	9.55	0.06	JOSH BOMIA
102802-2	REM	TRANSITE	P	HF	9:00	4:45	465	2.04	948.6	4/100	5.09	<.01	JOSH BOMIA
102802-3	REM	TRANSITE	P	HF	8:30	4:45	495	2.04	1009.8	51.5/100	65.60	0.02	ADRIAL BRADFORD

Method NIOSH 7400 Revision #3 5/15/89
 L/cc - Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

ACTIVITY: RI M-Removal CI N-Clean Up GBG-Glove Bag PRP-Prep Work	SAMPLE TYPE: A-Area AC-Aggressive Clearance AI -Area Inside AO-Area Outside	BKG-Background B-Blank C-Clearance CR-Clean Room Area	EX-Excursion NAE-Negative Air Exhaust P-Personal(Breathing Zone) WLO-Waste Load Out	Respirator: HF- Half Face FF- Full Face PR- PAPR PD- Type-C	Analyzed By:  Date Taken: 10/28/02 Date Analyzed: 01/28/03
---	--	--	--	--	---

Taken By: **Chuck Bomia** Delivered By: _____ Received By: **Erik Daubman**

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355-6268

Client Information

Client: ACTIVE THERMAL CONCEPTS, INC.
Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233
Job Name: Ravenna Army Ammunition LL6
Job# / Loc.: 020921 /
LAB REF#: 0103-6646

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
102902-1	REM	TRANSITE	EX	HF	8:30	9:00	30	2.04	61.2	2.5/100	3.18	0.02	
102902-2	REM	TRANSITE	P	HF	9:00	2:30	320	2.04	948.6	WET FILTER		N/A	
102902-3	REM	TRANSITE	P	HF	8:30	2:30	360	2.04	1009.8	NO CASSETTE		N/A	

Method: NIOSH 7400 Revision #3 5/15/89

Fcc - Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

ACTIVITY:

REM - Removal
CLN - Clean Up
GBG - Glove Bag
PRP - Prep Work

SAMPLE TYPE:

A - Area
AC - Aggressive Clearance
AI - Area Inside
AO - Area Outside

BKG - Background
B - Blank
C - Clearance
CR - Clean Room Area

EX - Excursion
NAE - Negative Air Exhaust
P - Personal (Breathing Zone)
WLO - Waste Load Out

Respirator:

HF - Half Face
FF - Full Face
PR - PAPR
PD - Type-C

Analyzed By: 

Date Taken: 10/29/02

Date Analyzed: 01/28/03

Taken By: Chuck Bonia

Delivered By:

Received By: Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268

Client Information

Client: ACTIVE THERMAL CONCEPTS, INC.
Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233
Job Name: Ravenna Army Ammunition LL6
Job# / Loc.: 020921 /
LAB REF#: 0103-6647

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
103002-1	REM	TRANSITE	EX	HF	8:30	9:00	30	2.04	61.2	1/100	1.27	<.01	JOSH BOMIA
103002-2	REM	TRANSITE	P	HF	9:00	3:50	410	2.04	836.4	9/100	11.46	<.01	JOSH BOMIA
103002-3	REM	TRANSITE	P	HF	8:30	3:50	440	2.04	897.6	NO CASSETTE	N/A		JOSH BOMIA

Method NIOSH 7400 Revision #3 5/15/89

1 cc - Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

ACTIVITY:

RI M-Removal
CLN-Clean Up
GBC-Glove Bag
PRP-Prep Work

SAMPLE TYPE:

A-Area
AC-Aggressive Clearance
AI -Area Inside
AO-Area Outside

BKG-Background

B-Blank

C-Clearance

CR-Clean Room Area

EX-Excursion

NAE-Negative Air Exhaust

P-Personal(Breathing Zone)

WLO-Waste Load Out

Respirator:

HF- Half Face
FF- Full Face
PR- PAPR
PD- Type-C

Analyzed By: 

Date Taken: 10/30/02

Date Analyzed: 01/28/03

Taken By: Chuck Bomia

Delivered By:

Received By: Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
 2435 E. Kimberly Rd., Suite 160S.
 Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268


Client Information

Client: ACTIVE THERMAL CONCEPTS, INC.
 Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233
 Job Name: Ravenna Army Ammunition LL6
 Job# / Loc.: 020921 /
 LAB REF#: 0103-6648

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
103102-1	REM	TRANSITE	EX	HF	8:30	9:00	30	2.04	61.2	3/100	3.82	0.02	JOSH BOMIA
103102-2	REM	TRANSITE	P	HF	9:00	5:20	600	2.04	1224.0	5/100	6.36	<.01	JOSH BOMIA

Method: NIOSH 7400 Revision #3 5/15/89
 l/cc = Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

- | | | | | |
|------------------|-------------------------|----------------------------|--------------------|--|
| ACTIVITY: | SAMPLE TYPE: | | Respirator: | |
| RI M-Removal | A-Area | BKG-Background | HF- Half Face | Analyzed By:  |
| CI N-Clean Up | AC-Aggressive Clearance | B-Blank | FF- Full Face | Date Taken: 10/31/02 |
| GBG-Glove Bag | AI-Area Inside | C-Clearance | PR- PAPR | Date Analyzed: 01/28/03 |
| PRP-Prep Work | AO-Area Outside | CR-Clean Room Area | PD- Type-C | |
| | | EX-Excursion | | |
| | | NAE-Negative Air Exhaust | | |
| | | P-Personal(Breathing Zone) | | |
| | | WLO-Waste Load Out | | |

Taken By: Chuck Bomia Delivered By: Received By: Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268

Client Information

Client:	ACTIVE THERMAL CONCEPTS, INC.
Address:	1110 Industrial Avenue, Hiawatha, Iowa 52233
Job Name:	Ravenna Army Ammunition LL6
Job# / Loc.:	020921 /
LAB REF#:	0103-6649

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
110102-1	REM	TRANSITE	EX	HF	8:30	9:00	30	2.04	61.2	NO CASSETTE	N/A		KEVIN ALBERS
110102-2	REM	TRANSITE	P	HF	9:00	3:50	410	2.04	836.4	9.5/100	12.10	<.01	KEVIN ALBERS

Method: NIOSH 7400 Revision #3 5/15/89
 F/cc - Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

ACTIVITY:	SAMPLE TYPE:		Respirator:
REM-Removal	A-Area	BKG-Background	HF- Half Face
CUN-Clean Up	AC-Aggressive Clearance	B-Blank	FF- Full Face
GBC-Glove Bag	AI -Area Inside	C-Clearance	PR- PAPR
PRP-Prep Work	AO-Area Outside	CR-Clean Room Area	PD- Type-C
		EX-Excursion	
		NAE-Negative Air Exhaust	
		P-Personal(Breathing Zone)	
		WLO-Waste Load Out	

Analyzed By:
Date Taken: 11/01/02
Date Analyzed: 01/28/03

Taken By: Chuck Bomia
 Delivered By: _____
 Received By: Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268

Client Information

Client: ACTIVE THERMAL CONCEPTS, INC.
 Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233
 Job Name: LL-6
 Job# / Loc.:
 LAB REF#: 0903-8123

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
081203101	REM	LL-6	EX	HF	9:00	9:30	30	2.04	61.2	1/100	1.27	<.01	JOSH STRAZEWSKI
081203102	REM	PAPER BACKING	P	HF	9:30	4:30	420	2.04	856.8	5/100	6.36	<.01	JOSH STRAZEWSKI


Method : NIOSH 7400 Revision #3 5/15/89

F/cc: Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

ACTIVITY:	SAMPLE TYPE:	
REM-Removal	A-Area	BKG-Background
CLN-Clean Up	AC-Aggressive Clearance	B-Blank
GBG-Glove Bag	AL-Area Inside	C-Clearance
PRP-Prep Work	AO-Area Outside	CR-Clean Room Area
		EX-Excursion
		NAE-Negative Air Exhaust
		P-Personal(Breathing Zone)
		WLO-Waste Load Out

Respirator:
 HF- Half Face
 FF- Full Face
 PR- PAPR
 PD- Type-C

Analyzed By: 
 Date Taken: 08/12/03
 Date Analyzed: 09/24/03

Taken By: Josh Strazewski Delivered By: _____ Received By: Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268

Client Information

Client: ACTIVE THERMAL CONCEPTS, INC.
 Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233
 Job Name: LL-6
 Job# / Loc.:
 LAB REF#: 0903-8123

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
081203101	REM	LL-6	EX	HF	9:00	9:30	30	2.04	61.2	1/100	1.27	<.01	JOSH STRAZEWSKI
081203102	REM	PAPER BACKING	P	HF	9:30	4:30	420	2.04	856.8	5/100	6.36	<.01	JOSH STRAZEWSKI

Method : NIOSH 7400 Revision #3 5/15/89

F/cc: Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

ACTIVITY:	SAMPLE TYPE:	Respirator:
REM-Removal	A-Area	HF- Half Face
CLN-Clean Up	AC-Aggressive Clearance	FF- Full Face
GBG-Glove Bag	AL-Area Inside	PR- PAPR
PRP-Prep Work	AO-Area Outside	PD- Type-C
	BKG-Background	
	B-Blank	
	C-Clearance	
	CR-Clean Room Area	
	EX-Excursion	
	NAE-Negative Air Exhaust	
	P-Personal(Breathing Zone)	
	WLO-Waste Load Out	

Analyzed By:
 Date Taken: 08/12/03
 Date Analyzed: 09/24/03

Taken By: Josh Strazewski Delivered By: _____ Received By: Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268

Client Information

Client:	ACTIVE THERMAL CONCEPTS, INC.
Address:	1110 Industrial Avenue, Hiawatha, Iowa 52233
Job Name:	LL-6
Job# / Loc.:	030620 /
LAB REF#:	0903-8124

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
081303	REM	LL-6	EX	HF	7:45	8:15	30	2.04	61.2	0.5/100	0.63	<.01	RYAN FRADD
081303	REM	PAPER BACKING	P	HF	8:15	11:45	210	2.04	428.4	3/100	3.82	<.01	RYAN FRADD

Method : NIOSH 7400 Revision #3 5/15/89
 F/cc: Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

ACTIVITY: REM-Removal CLN-Clean Up GBG-Glove Bag PRP-Prep Work	SAMPLE TYPE: A-Area AC-Aggressive Clearance AL-Area Inside AO-Area Outside	BKG-Background B-Blank C-Clearance CR-Clean Room Area	EX-Excursion NAE-Negative Air Exhaust P-Personal(Breathing Zone) WLO-Waste Load Out	Respirator: HF- Half Face FF- Full Face PR- PAPR PD- Type-C	Analyzed By: Date Taken: 08/13/03 Date Analyzed: 09/24/03
---	---	--	--	--	--

Taken By: Josh Strazewski Delivered By: _____ Received By: Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268

Client Information

Client:	ACTIVE THERMAL CONCEPTS, INC.
Address:	1110 Industrial Avenue, Hiawatha, Iowa 52233
Job Name:	LL-6
Job# / Loc.:	030620 /
LAB REF#:	0903-8124

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
081303	REM	LL-6	EX	HF	7:45	8:15	30	2.04	61.2	0.5/100	0.63	<.01	RYAN FRADD
081303	REM	PAPER BACKING	P	HF	8:15	11:45	210	2.04	428.4	3/100	3.82	<.01	RYAN FRADD

Method : NIOSH 7400 Revision #3 5/15/89
 F/cc: Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

ACTIVITY:	SAMPLE TYPE:				Respirator:
REM-Removal	A-Area	BKG-Background	EX-Excursion		HF- Half Face
CLN-Clean Up	AC-Aggressive Clearance	B-Blank	NAE-Negative Air Exhaust		FF- Full Face
GBG-Glove Bag	AL-Area Inside	C-Clearance	P-Personal(Breathing Zone)		PR- PAPR
PRP-Prep Work	AO-Area Outside	CR-Clean Room Area	WLO-Waste Load Out		PD- Type-C

Analyzed By:
 Date Taken: 08/13/03
 Date Analyzed: 09/24/03

Taken By: Josh Strazewski Delivered By: _____ Received By: Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268


Client Information

Client:	ACTIVE THERMAL CONCEPTS, INC.
Address:	1110 Industrial Avenue, Hiawatha, Iowa 52233
Job Name:	LL-9
Job# / Loc.:	030621 /
LAB REF#:	0903-8125

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
081403101	PRP	OT-5 DEBRIS	EX	HF	11:00	11:30	30	2.04		10.5/100	13.37	0.08	BRIAN FRADD
081403102	REM	PAPER BACKING	P	HF	11:30	3:30	240	2.04		23/100	29.29	0.02	BRIAN FRADD

Method : NIOSH 7400 Revision #3 5/15/89
 %cc: Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

ACTIVITY: REM-Removal CLN-Clean Up JBG-Glove Bag PRP-Prep Work	SAMPLE TYPE: A-Area AC-Aggressive Clearance AL-Area Inside AO-Area Outside BKG-Background B-Blank C-Clearance CR-Clean Room Area	EX-Excursion NAE-Negative Air Exhaust P-Personal(Breathing Zone) WLO-Waste Load Out	Respirator: HF- Half Face FF- Full Face PR- PAPR PD- Type-C	Analyzed By:  Date Taken: 08/14/03 Date Analyzed: 09/24/03
---	---	--	--	--

Taken By: Josh Strazewski Delivered By: _____ Received By: Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268

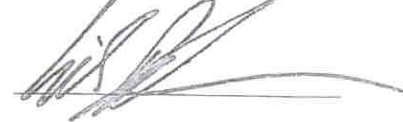
Client Information

Client: ACTIVE THERMAL CONCEPTS, INC.
Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233
Job Name: LL-9
Job# / Loc.: 030621 /
LAB REF#: 0903-8125

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
081403101	PRP	OT-5 DEBRIS	EX	HF	11:00	11:30	30	2.04		10.5/100	13.37	0.08	BRIAN FRADD
081403102	REM	PAPER BACKING	P	HF	11:30	3:30	240	2.04		23/100	29.29	0.02	BRIAN FRADD

Method : NIOSH 7400 Revision #3 5/15/89
F/cc: Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

ACTIVITY:	SAMPLE TYPE:	Respirator:	Analyzed By: 
REM-Removal	A-Area	HF- Half Face	Date Taken: 08/14/03
CLN-Clean Up	AC-Aggressive Clearance	FF- Full Face	Date Analyzed: 09/24/03
GBG-Glove Bag	AL-Area Inside	PR- PAPR	
PRP-Prep Work	AO-Area Outside	PD- Type-C	
	BKG-Background		
	B-Blank		
	C-Clearance		
	CR-Clean Room Area		
	EX-Excursion		
	NAE-Negative Air Exhaust		
	P-Personal(Breathing Zone)		
	WLO-Waste Load Out		

Taken By: Josh Strazewski Delivered By: _____ Received By: Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
 2435 E. Kimberly Rd., Suite 160S.
 Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355-6268


Client Information

Client: ACTIVE THERMAL CONCEPTS, INC.
 Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233
 Job Name: Ravenna Army Annex LL-9
 Job# / Loc.: 020922 /
 LAB REF#: 0303-6940

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
1703101	REM	TRANSITE	EX	HF	8:30	9:00	30	2.04	61.2	1/100	1.27	<.01	CHARLES BURGESS
1703102	REM	TRANSITE	P	HF	9:00	9:30		2.04	938.4	0.5/100	0.63	<.01	CHARLES BURGESS

Method: NIOSH 7400 Revision #3 5/15/89
 Note: Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

ACTIVITY:	SAMPLE TYPE:	Respirator:	
REM-Removal	A-Area	HF- Half Face	Analyzed By: 
HC-Heavy Up	AC-Aggressive Clearance	FF- Full Face	Date Taken: 01 17 03
HT-Heavy High	AL-Air Inside	PR-PAPR	Date Analyzed: 03 18 03
LP-Loop	ALP-Air Outside	PD-Type-C	
	BKG-Background	EX-Excursion	
	B-Blank	NAL-Negative Air Exhaust	
	C-Clearance	PB-Personal Breathing Zone	
	CP-Clearance Zone	WFO-Water Load Out	

Received By: Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268

Client Information

Client: ACTIVE THERMAL CONCEPTS, INC.
Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233
Job Name: Ravenna Army Annex LL-9
Job# / Loc.: 020922 /
LAB REF#: 0303-6941

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
012003101	REM	TRANSITE	EX	HF	9:00	9:30	30	2.04	61.2	1.5/100	1.91	0.01	JOSH S.
012003102	REM	TRANSITE	P	HF	9:30	4:30	360	2.04	734.4	2/100	2.54	<.01	JOSH S.

Method: NIOSH 7400 Revision #3 5/15/89

F/cc: Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

ACTIVITY:

REM-Removal
CIN-Clean Up
GBG-Glove Bag
PRP-Prep Work

SAMPLE TYPE:

A-Area
AC-Aggressive Clearance
AI-Area Inside
AO-Area Outside

BKG-Background
B-Blank
C-Clearance
CR-Clean Room Area

EX-Excursion
NAE-Negative Air Exhaust
P-Personal(Breathing Zone)
WLO-Waste Load Out

Respirator:

HF- Half Face
FF- Full Face
PR- PAPR
PD- Type-C

Analyzed By:

Date Taken:

Date Analyzed:

01/20/03

03/18/03

Taken By: Chuck Bomia

Delivered By:

Received By: Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
 2435 E. Kimberly Rd., Suite 160S.
 Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268

Client Information

Client: ACTIVE THERMAL CONCEPTS, INC.
 Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233
 Job Name: Ravenna Army Annex LI.-9
 Job# / Loc.: 020922 /
 LAB REF#: 0303-6942

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
012103101	REM	TRANSITE	EX	HF	8:30	9:00	30	2.04	61.2	1/100	1.27	<.01	CHARLES BURGESS
012103102	REM	TRANSITE	P	HF	9:00	4:30	460	2.04	938.4	2.5/100	3.18	<.01	CHARLES BURGESS.

Method: NIOSH 7400 Revision #3 5/15/89
 F/cc: Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

ACTIVITY:	SAMPLE TYPE:	Respirator:
REM-Removal	A-Area	HF- Half Face
CU-Clean Up	AC-Aggressive Clearance	FF- Full Face
GBG-Glove Bag	AI-Area Inside	PR- PAPR
PRP-Prep Work	AO-Area Outside	PD- Type-C
	BKG-Background	
	B-Blank	
	C-Clearance	
	CR-Clean Room Area	
	EX-Excursion	
	NAE-Negative Air Exhaust	
	P-Personal(Breathing Zone)	
	WI O-Waste Load Out	

Analyzed By: 
 Date Taken: 01/21/03
 Date Analyzed: 03/18/03

Taken By: Chuck Bomia Delivered By: Received By: Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.

2435 E. Kimberly Rd., Suite 160S.

Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355-6268

Client Information

Client: ACTIVE THERMAL CONCEPTS, INC.

Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233

Job Name: Ravenna Army Annex LL-9

Job# / Loc.: 020922 /

LAB REF#: 0303-6943

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
012203101	REM	TRANSITE	EX	HF	9:00	9:30	30	2.04	61.2	0/100	0.00	0.00	JOSH S.
012203102	REM	TRANSITE	P	HF	9:30	4:30	360	2.04	734.4	2/100	2.54	<.01	JOSH S.

Method: NIOSH 7400 Revision #3 5/15/89

F/cc: Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

ACTIVITY:

REM-Removal
 CTN-Clean Up
 GBG-Glove Bag
 PRP-Prep Work

SAMPLE TYPE:

A-Area
 AC-Aggressive Clearance
 AI-Area Inside
 AO-Area Outside

BKG-Background
 B-Blank
 C-Clearance
 CR-Clean Room Area

EX-Excursion
 NAE-Negative Air Exhaust
 P-Personal(Breathing Zone)
 WLO-Waste Load Out

Respirator:

HF- Half Face
 FF- Full Face
 PR- PAPR
 PD-Type-C

Analyzed By: 

Date Taken: 01/22/03

Date Analyzed: 03/18/03

Taken By: Chuck Bomia

Delivered By:

Received By: Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
 2435 E. Kimberly Rd., Suite 160S.
 Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355-6268

Client Information

Client: ACTIVE THERMAL CONCEPTS, INC.
 Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233
 Job Name: Ravenna Army Annex LL-9
 Job# / Loc.: 020922 /
 LAB REF#: 0303-6944


Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & SS Number
02803101	REM	TRANSITE	EX	HF	8:30	9:00	30	2.04	61.2	0.5/100	0.63	<.01	
02803102	REM	TRANSITE	P	HF	9:00	4:30	460	2.04	938.4	1.5/100	1.91	<.01	

Method: NIOSH 7400 Revision #3 5/15/89
 /cc: Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

- | | | |
|---|---|---|
| <p>ACTIVITY:</p> <ul style="list-style-type: none"> EM-Removal LN-Clean Up BG-Glove Bag RP-Prep Work | <p>SAMPLE TYPE:</p> <ul style="list-style-type: none"> A-Area AC-Aggressive Clearance AI-Area Inside AO-Area Outside | <ul style="list-style-type: none"> BKG-Background B-Blank C-Clearance CR-Clean Room Area |
| | | <ul style="list-style-type: none"> EX-Excursion NAE-Negative Air Exhaust P-Personal (Breathing Zone) WLO-Waste Load Out |

- Respirator:**
- HF- Half Face
 - FF- Full Face
 - PR- PAPR
 - PD- Type-C

Analyzed By: 
 Date Taken: 01/28/03
 Date Analyzed: 03/18/03

Collected By: Chuck Bomia

Delivered By:

Received By: Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355-6268

Client Information

Client: ACTIVE THERMAL CONCEPTS, INC.
Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233
Job Name: Ravenna Army Annex LL-9
Job# / Loc.: 020922 /
LAB REF#: 0303-6945

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
012903101	REM	TRANSITE	EX	HF	9:00	9:30	30	2.04	61.2	1/100	1.27	<.01	JOSH S.
012903102	REM	TRANSITE	P	HF	9:30	4:30	360	2.04	734.4	0/100	0.00	0.00	JOSH S.

Method: NIOSH 7400 Revision #3 5/15/89

F/cc: Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

ACTIVITY:

REM-Removal
CIN-Clean Up
GRG-Glove Bag
PRP-Prep Work

SAMPLE TYPE:

A-Area
AC-Aggressive Clearance
AI-Area Inside
AO-Area Outside

BKG-Background
B-Blank
C-Clearance
CR-Clean Room Area

EX-Excursion
NAE-Negative Air Exhaust
P-Personal(Breathing Zone)
WLO-Waste Load Out

Respirator:

HF- Half Face
FF- Full Face
PR- PAPR
PD- Type-C

Analyzed By:



Date Taken: 01/29/03

Date Analyzed: 03/20/03

Taken By: Chuck Bomia

Delivered By:

Received By: Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268

Client Information

Client: ACTIVE THERMAL CONCEPTS, INC.
Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233
Job Name: Ravenna Army Annex LL-9
Job# / Loc.: 020922 /
LAB REF#: 0303-6946

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
013003101	REM	TRANSITE	EX	HF	8:30	9:00	30	2.04	61.2	0.5/100	0.63	<.01	CHARLES BURGESS
013003102	REM	TRANSITE	P	HF	9:00	4:30	460	2.04	938.4	2/100	2.54	<.01	CHARLES BURGESS

Method: NIOSH 7400 Revision #3 5/15/89

F/cc: Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time

ABBREVIATIONS:

ACTIVITY:

REM-Removal
C/U-Clean Up
G/BG-Glove Bag
PRP-Prep Work

SAMPLE TYPE:

A-Area
AC-Aggressive Clearance
AI-Area Inside
AO-Area Outside

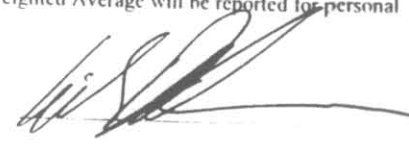
BKG-Background
B-Blank
C-Clearance
CR-Clean Room Area

EX-Excursion
NAE-Negative Air Exhaust
P-Personal(Breathing Zone)
WLO-Waste Load Out

Respirator:

HF- Half Face
FF- Full Face
PR- PAPR
PD- Type-C

Analyzed By:



Date Taken: 01/30/03

Date Analyzed: 03/20/03

Taken By: Chuck Bomia

Delivered By:

Received By: Erik Dauhman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
 2435 E. Kimberly Rd., Suite 160S.
 Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268

Client Information

Client: ACTIVE THERMAL CONCEPTS, INC.
 Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233
 Job Name: Ravenna Army Annex LL-9
 Job# / Loc.: 020922 /
 LAB REF#: 0303-6947

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
3103101	REM	TRANSITE	EX	HF	8:30	9:00	30	2.04	61.2	1/100	1.27	<.01	JOSH S.
3103102	REM	TRANSITE	P	HF	9:00	4:30	460	2.04	938.4	2.5/100	3.18	<.01	JOSH S.


Method: NIOSH 7400 Revision #3 5/15/89

Units: Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time

ABBREVIATIONS:

ACTIVITY:	SAMPLE TYPE:	BKG-Background	EX-Excursion
M-Removal	A-Area	B-Blank	NAE-Negative Air Exhaust
N-Clean Up	AC-Aggressive Clearance	C-Clearance	P-Personal(Breathing Zone)
GB-Glove Bag	AI-Area Inside	CR-Clean Room Area	WI O-Waste Load Out
WP-Prep Work	AO-Area Outside		

Respirator:
 HF- Half Face
 FF- Full Face
 PR- PAPR
 PD- Type-C

Analyzed By: 
 Date Taken: 01/31/03
 Date Analyzed: 03/20/03

Sample Taken By: Chuck Bomia

Sample Delivered By:

Sample Received By: Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
 2435 E. Kimberly Rd., Suite 160S.
 Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268

Client Information

Client: ACTIVE THERMAL CONCEPTS, INC.
 Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233
 Job Name: Ravenna Army Annex LL-9
 Job# / Loc.: 020922 /
 LAB REF#: 0303-6948

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
020303101	REM	TRANSITE	EX	HF	8:30	9:00	30	2.04	61.2	1/100	1.27	<.01	CHARLES BURGESS
020303102	REM	TRANSITE	P	HF	9:00	4:30	460	2.04	938.4	WET FILTER	N/A		CHARLES BURGESS

Method: NIOSH 7400 Revision #3 5/15/89
 F/cc Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

ACTIVITY:

REM-Removal
 C/U-Clean Up
 GBG-Glove Bag
 PRP-Prep Work

SAMPLE TYPE:

A-Area
 AC-Aggressive Clearance
 AI -Area Inside
 AO-Area Outside

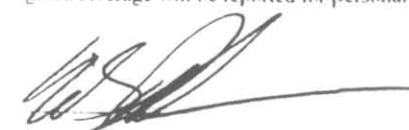
BKG-Background
 B-Blank
 C-Clearance
 CR-Clean Room Area

EX-Excursion
 NAE-Negative Air Exhaust
 P-Personal(Breathing Zone)
 WI O-Waste Load Out

Respirator:

HF- Half Face
 FF- Full Face
 PR- PAPR
 PD- Type-C

Analyzed By:



Date Taken:

02/03/03

Date Analyzed:

03/20/03

Taken By: Chuck Bomia

Delivered By:

Received By: Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.

2435 E. Kimberly Rd., Suite 160S.

Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268

Client Information

Client: ACTIVE THERMAL CONCEPTS, INC.

Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233

Job Name: Ravenna Army Annex LL-9

Job# / Loc.: 020922 /

LAB REF#: 0303-6949

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
020403101	REM	TRANSITE	EX	HF	8:30	9:00	30	2.04	61.2	3/100	3.82	0.02	JOSH S.
020403102	REM	TRANSITE	P	HF	9:00	4:30	460	2.04	938.4	3.5/100	4.45	<.01	JOSH S.

Method: NIOSH 7400 Revision #3 5/15/89

F/cc: Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time

ABBREVIATIONS:

ACTIVITY:

REM-Removal
 C/N-Clean Up
 GBG-Glove Bag
 PRP-Prep Work

SAMPLE TYPE:

A-Area
 AC-Aggressive Clearance
 AI-Area Inside
 AO-Area Outside

BKG-Background
 B-Blank
 C-Clearance
 CR-Clean Room Area

EX-Excursion
 NAE-Negative Air Exhaust
 P-Personal(Breathing Zone)
 WLO-Waste Load Out

Respirator:

HF- Half Face
 FF- Full Face
 PR- PAPR
 PD- Type-C

Analyzed By: 

Date Taken: 02/04/03

Date Analyzed: 03/20/03

Taken By: Chuck Bomia

Delivered By:

Received By: Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268


Client Information

Client: ACTIVE THERMAL CONCEPTS, INC.
Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233
Job Name: Ravenna Army Annex LL-9
Job# / Loc.: 020922 /
LAB REF#: 0303-6950

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
020503101	REM	TRANSITE	EX	HF	8:30	9:00	30	2.04	61.2	1/100	1.27	<.01	CHARLES BURGESS
020503102	REM	TRANSITE	P	HF	9:00	4:30	460	2.04	938.4	2/100	2.54	<.01	CHARLES BURGESS

Method NIOSH 7400 Revision #3 5/15/89
 F/cc Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time

ABBREVIATIONS:

<p>ACTIVITY:</p> <p>REM-Removal CLN-Clean Up GBG-Glove Bag PRP-Prep Work</p>	<p>SAMPLE TYPE:</p> <p>A-Area AC-Aggressive Clearance AI.-Area Inside AO-Area Outside</p>	<p>BKG-Background B-Blank C-Clearance CR-Clean Room Area</p>	<p>EX-Excursion NAE-Negative Air Exhaust P-Personal(Breathing Zone) WLO-Waste Load Out</p>	<p>Respirator:</p> <p>HF- Half Face FF- Full Face PR- PAPR PD- Type-C</p>	<p>Analyzed By: </p> <p>Date Taken: 02/05/03</p> <p>Date Analyzed: 03/20/03</p>
--	---	---	---	---	---

Taken By: Chuck Bomia **Delivered By:** **Received By:** Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.

2435 E. Kimberly Rd., Suite 160S.

Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268

Client Information

Client: ACTIVE THERMAL CONCEPTS, INC.
 Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233
 Job Name: Ravenna Army Annex LI.-9
 Job# / Loc.: 020922 /
 LAB REF#: 0303-6951

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
022003101	REM		EX	HF	8:30	9:00	30	2.04	61.2	2/100	2.54	0.01	KEVIN W.
022003102	REM		P	HF	9:00	4:30	450	2.04	918	3/100	3.82	<.01	KEVIN W.

Method NIOSH 7400 Revision #3 5/15/89

f/cc Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time

ABBREVIATIONS:

ACTIVITY:

REM-Removal
 CTN-Clean Up
 GBG-Glove Bag
 PRP-Prep Work

SAMPLE TYPE:

A-Area
 AC-Aggressive Clearance
 AI -Area Inside
 AO-Area Outside

BKG-Background
 B-Blank
 C-Clearance
 CR-Clean Room Area

EX-Excursion
 NAE-Negative Air Exhaust
 P-Personal(Breathing Zone)
 WLO-Waste Load Out

Respirator:

HF- Half Face
 FF- Full Face
 PR- PAPR
 PD- Type-C

Analyzed By: 

Date Taken: 02/20/03

Date Analyzed: 03/20/03

Taken By: Chuck Bomia

Delivered By:

Received By: Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.

2435 E. Kimberly Rd., Suite 160S.

Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268

Client Information

Client: ACTIVE THERMAL CONCEPTS, INC.

Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233

Job Name: Ravenna Army Annex LL-9

Job# / Loc.: 020922 /

LAB REF#: 0303-6952

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
022603101	REM	TRANSITE	EX	HF	8:30	9:00	30	2.04	61.2	2.5/100	3.18	0.02	
022603102	REM	TRANSITE	P	HF	9:00	4:30	450	2.04	918	2/100	2.54	<.01	

Method NIOSH 7400 Revision #3 5/15/89

cc - Fibers per Cubic Centimeter of air Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time

ABBREVIATIONS:

ACTIVITY:

RM-Removal
 CN-Clean Up
 GBG-Glove Bag
 PRP-Prep Work

SAMPLE TYPE:

A-Area
 AC-Aggressive Clearance
 AI-Area Inside
 AO-Area Outside

BKG-Background
 B-Blank
 C-Clearance
 CR-Clean Room Area

EX-Excursion
 NAE-Negative Air Exhaust
 P-Personal(Breathing Zone)
 WLO-Waste Load Out

Respirator:

HF- Half Face
 FF- Full Face
 PR- PAPR
 PD- Type-C

Analyzed By: 

Date Taken: 02/26/03

Date Analyzed: 03/20/03

Taken By: Chuck Bomia

Delivered By:

Received By: Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268

Client Information

Client: ACTIVE THERMAL CONCEPTS, INC.
Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233
Job Name: Ravenna Army Annex LL-9
Job# / Loc.: 020922 /
LAB REF#: 0303-6954

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
022803101	REM	TRANSITE	EX	HF	8:30	9:00	30	2.04	61.2	3/100	3.82	0.02	JOSH STRAZEWSKI
022803102	REM	TRANSITE	P	HF	9:00	4:30	450	2.04	918	0.5/100	0.63	<.01	JOSH STRAZEWSKI

Method: NIOSH 7400 Revision #3 5/15/89

cc Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time

ABBREVIATIONS:

ACTIVITY:

RM-Removal
CN-Clean Up
BG-Glove Bag
RP-Prep Work

SAMPLE TYPE:

A-Area
AC-Aggressive Clearance
AI-Area Inside
AO-Area Outside

BKG-Background
B-Blank
C-Clearance
CR-Clean Room Area

EX-Excursion
NAE-Negative Air Exhaust
P-Personal(Breathing Zone)
WLO-Waste Load Out

Respirator:

HF- Half Face
FF- Full Face
PR- PAPR
PD- Type-C

Analyzed By: 

Date Taken:

02/28/03

Date Analyzed:

03/20/03

Taken By: Chuck Bomia

Delivered By:

Received By: Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268

Client Information

Client: ACTIVE THERMAL CONCEPTS, INC.
Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233
Job Name: Ravenna Army Annex LL-9
Job# / Loc.: 020922 /
LAB REF#: 0303-6955

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
03303101	REM	TAR ROOFING	EX	HF	8:30	9:00	30	2.04	61.2	1.5/100	1.91	0.01	JOHN KNAPPER
03303102	REM	TAR ROOFING	P	HF	9:00	4:30	450	2.04	918	0.5/100	0.63	<.01	JOHN KNAPPER

Method NIOSH 7400 Revision #3 5/15/89

F/cc - Fibers per Cubic Centimeter of air. Results reported as "-" are less than the limit of reliable quantification (i.e. 1 fiber/100 field) for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:


ACTIVITY:
REM-Removal
CU-Clean Up
GBG-Glove Bag
PRP-Prep Work

SAMPLE TYPE:
A-Area
AC-Aggressive Clearance
AI-Area Inside
AO-Area Outside

BKG-Background
B-Blank
C-Clearance
CR-Clean Room Area

EX-Excursion
NAE-Negative Air Exhaust
P-Personal(Breathing Zone)
WLO-Waste Load Out

Respirator:
HF- Half Face
FF- Full Face
PR- PAPR
PD- Type-C

Analyzed By: 
Date Taken: 03/03/03
Date Analyzed: 03/20/03

Taken By: Josh Strazewski

Delivered By:

Received By: Erik Daubman

| AIR SAMPLE DATA SHEET |

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268

Client Information

Client: ACTIVE THERMAL CONCEPTS, INC.
 Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233
 Job Name: Ravenna Army Annex LL-9
 Job# / Loc.: 020922 /
 LAB REF#: 0303-6956

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
03403101	REM	TAR ROOFING	EX	HF	8:30	9:00	30	2.04	61.2	0.5/100	0.63	<.01	
03403102	REM	TAR ROOFING	P	HF	9:00	4:30	450	2.04	918	2/100	2.54	<.01	

Method NIOSH 7400 Revision #3 5/15/89

F/cc. Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

ACTIVITY:

REM-Removal
 C/U-Clean Up
 GBG-Glove Bag
 PRP-Prep Work

SAMPLE TYPE:

A-Area
 AC-Aggressive Clearance
 AI-Area Inside
 AO-Area Outside

BKG-Background
 B-Blank
 C-Clearance
 CR-Clean Room Area

EX-Excursion
 NAE-Negative Air Exhaust
 P-Personal(Breathing Zone)
 W/O-Waste Load Out

Respirator:

HF- Half Face
 FF- Full Face
 PR- PAPR
 PD- Type-C

Analyzed By: 

Date Taken: 03/04/03

Date Analyzed: 03/20/03

Taken By: Josh Strazewski

Delivered By:

Received By: Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268

Client Information

Client: ACTIVE THERMAL CONCEPTS, INC.
 Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233
 Job Name: Ravenna Army Annex LL-9
 Job# / Loc.: 020922 /
 LAB REF#: 0303-6957

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
031203101	REM	TAR	EX	HF	8:30	9:00	30	2.04	61.2	1.5/100	1.91	0.01	CHARLES BURGESS
031203102	REM	TAR	P	HF	9:00	4:30	450	2.04	918.4	4/100	5.09	<.01	CHARLES BURGESS

Method NIOSH 7400 Revision #3 5/15/89

f/cc Fibers per Cubic Centimeter of air Results reported as "-" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

- | | | |
|---|---|--|
| ACTIVITY:
REM-Removal
CLN-Clean Up
GBC-Glove Bag
PRP-Prep Work | SAMPLE TYPE:
A-Area
AC-Aggressive Clearance
AI-Area Inside
AO-Area Outside | BKG-Background
B-Blank
C-Clearance
CR-Clean Room Area
EX-Excursion
NAE-Negative Air Exhaust
P-Personal(Breathing Zone)
WLO-Waste Load Out |
|---|---|--|

- Respirator:**
 HF- Half Face
 FF- Full Face
 PR- PAPR
 PD- Type-C

Analyzed By:

Date Taken: 03/12/03

Date Analyzed: 03/20/03

Taken By:

Delivered By:

Received By: Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268

Client Information

Client: ACTIVE THERMAL CONCEPTS, INC.
Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233
Job Name: Ravenna Army Ammunition LL9
Job# / Loc.: 020922 /
LAB REF#: 0103-6702

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
010903101	REM	TRANSITE	EX	HF	8:30	9:00	30	2.04	61.2	1/100	1.27	<.01	JOSH STRAZWESKI
010903102	REM	TRANSITE	P	HF	9:00	4:30	450	2.04	918	1/100	1.27	<.01	JOSH STRAZWESKI

Method: NIOSH 7400 Revision #3 5/15/89

f/cc - Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time

ABBREVIATIONS:

ACTIVITY:

REM-Removal
C/U-Clean Up
G/BG-Glove Bag
PRP-Prep Work

SAMPLE TYPE:

A-Area
AC-Aggressive Clearance
AI-Area Inside
AO-Area Outside

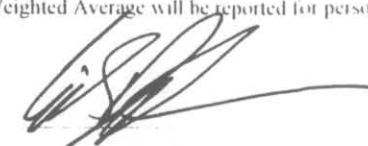
BKG-Background
B-Blank
C-Clearance
CR-Clean Room Area

EX-Excursion
NAE-Negative Air Exhaust
P-Personal(Breathing Zone)
WLO-Waste Load Out

Respirator:

HF- Half Face
FF- Full Face
PR- PAPR
PD- Type-C

Analyzed By:



Date Taken:

01/09/03

Date Analyzed:

02/05/03

Taken By: Chuck Bomia

Delivered By:

Received By: Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355-6268

Client Information

Client: ACTIVE THERMAL CONCEPTS, INC.
Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233
Job Name: Ravenna Army Ammunition LI,9
Job# / Loc.: 020922 /
LAB REF#: 0103-6703

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
011003101	REM	TRANSITE	EX	HF	8:30	9:00	30	2.04	61.2	1.5/100	1.91	0.01	CHARLES BURGESS
011003102	REM	TRANSITE	P	HF	9:00	4:30	450	2.04	918	4.5/100	5.73	<.01	CHARLES BURGESS

Method NIOSH 7400 Revision #3 5/15/89

F/cc - Fibers per Cubic Centimeter of air. Results reported as "<.;" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

ACTIVITY:

REM-Removal
CLU-Clean Up
GBC-Glove Bag
PRP-Prep Work

SAMPLE TYPE:

A-Area
AC-Aggressive Clearance
AI-Area Inside
AO-Area Outside

BKG-Background
B-Blank
C-Clearance
CR-Clean Room Area

EX-Excursion
NAE-Negative Air Exhaust
P-Personal(Breathing Zone)
WLO-Waste Load Out

Respirator:

HF- Half Face
FF- Full Face
PR- PAPR
PD- Type-C

Analyzed By: 

Date Taken: 01/10/03

Date Analyzed: 02/05/03

Taken By: Chuck Bomia

Delivered By:

Received By: Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268

Client Information

Client: ACTIVE THERMAL CONCEPTS, INC.
Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233
Job Name: Ravenna Army Ammunition LL9
Job# / Loc.: 020922 /
LAB REF#: 0103-6704

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
011303101	REM	TRANSITE	EX	HF	8:30	9:00	30	2.04	61.2	1/100	1.27	<.01	JOSH STRAZWESKI
011303102	REM	TRANSITE	P	HF	9:00	5:00	480	2.04	979.2	5/100	6.36	<.01	JOSH STRAZWESKI

Method NIOSH 7400 Revision #3 5/15/89

1/cc = Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

ACTIVITY:

RI-M-Removal
CL-C-Clean Up
GBG-Glove Bag
PRP-Prep Work

SAMPLE TYPE:

A-Area
AC-Aggressive Clearance
AI-Area Inside
AO-Area Outside

BKG-Background
B-Blank
C-Clearance
CR-Clean Room Area

EX-Excursion
NAE-Negative Air Exhaust
P-Personal(Breathing Zone)
WLO-Waste Load Out

Respirator:

HF- Half Face
FF- Full Face
PR- PAPR
PD- Type-C

Analyzed By: 

Date Taken: 01/13/03

Date Analyzed: 02/05/03

Taken By: Chuck Bomia

Delivered By:

Received By: Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268

Client Information

Client: ACTIVE THERMAL CONCEPTS, INC.
Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233
Job Name: Ravenna Army Ammunition LL9
Job# / Loc.: 020922 /
LAB REF#: 0103-6705

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
011403101	REM	TRANSITE	EX	HF	8:40	9:10	30	2.04	61.2	3/100	3.82	0.02	JOSH STRAZWESKI
011403102	REM	TRANSITE	P	HF	9:10	4:30	440	2.04	897.6	3/100	3.82	<.01	JOSH STRAZWESKI

Method: NIOSH 7400 Revision #3 5/15/89

F/cc - Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

ACTIVITY:
 REM-Removal
 C/U-Clean Up
 GBG-Glove Bag
 PRP-Prep Work

SAMPLE TYPE:
 A-Area
 AC-Aggressive Clearance
 AI-Area Inside
 AO-Area Outside

BKG-Background
 B-Blank
 C-Clearance
 CR-Clean Room Area

EX-Excursion
 NAE-Negative Air Exhaust
 P-Personal(Breathing Zone)
 WLO-Waste Load Out

Respirator:
 HF- Half Face
 FF- Full Face
 PR- PAPR
 PD- Type-C

Analyzed By: 

Date Taken: 01/14/03

Date Analyzed: 02/05/03

Taken By: Chuck Bomia

Delivered By:

Received By: Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268

Client Information

Client: ACTIVE THERMAL CONCEPTS, INC.
Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233
Job Name: Ravenna Army Ammunition LL9
Job# / Loc.: 020922 /
LAB REF#: 0103-6706

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
011503101	REM	TRANSITE	EX	HF	8:30	9:00	30	2.04	61.2	2/100	2.54	0.01	KEVIN ALBERS
011503102	REM	TRANSITE	P	HF	9:00	5:00	480	2.04		7/100	8.91	<.01	KEVIN ALBERS

Method: NIOSH 7400 Revision #3 5/15/89

Fcc = Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

ACTIVITY:

REM-Removal
 CUN-Clean Up
 GBC-Glove Bag
 PRP-Prep Work

SAMPLE TYPE:

A-Area
 AC-Aggressive Clearance
 AI-Area Inside
 AO-Area Outside

BKG-Background
 B-Blank
 C-Clearance
 CR-Clean Room Area

EX-Excursion
 NAE-Negative Air Exhaust
 P-Personal(Breathing Zone)
 W/O-Waste Load Out

Respirator:

HF- Half Face
 FF- Full Face
 PR- PAPR
 PD- Type-C

Analyzed By:



Date Taken:

01/15/03

Date Analyzed:

02/05/03

Taken By: Chuck Bomia

Delivered By:

Received By: Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268

Client Information

Client: ACTIVE THERMAL CONCEPTS, INC.
Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233
Job Name: Ravenna Army Ammunition LL9
Job# / Loc.: 020922 /
LAB REF#: 0103-6707

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
011603101	REM	TRANSITE	EX	HF	8:30	9:00	30	2.04	61.2	1.5/100	1.91	0.01	CHARLES BURGESS
011603102	REM	TRANSITE	P	HF	9:00	4:30	450		918	1.5/100	1.91	<.01	CHARLES BURGESS

Method: NIOSH 7400 Revision #3 5/15/89

f/cc - Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

ACTIVITY:

REM-Removal
CUN-Clean Up
GBC-Glove Bag
PRP-Prep Work

SAMPLE TYPE:

A-Area
AC-Aggressive Clearance
AI -Area Inside
AO-Area Outside

BKG-Background
B-Blank
C-Clearance
CR-Clean Room Area

EX-Excursion
NAE-Negative Air Exhaust
P-Personal(Breathing Zone)
WLO-Waste Load Out

Respirator:

HF- Half Face
FF- Full Face
PR- PAPR
PD- Type-C

Analyzed By:



Date Taken:

01/16/03

Date Analyzed:

02/05/03

Taken By: Chuck Bomia

Delivered By:

Received By: Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
 2435 E. Kimberly Rd., Suite 160S.
 Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268

Client Information

Client: ACTIVE THERMAL CONCEPTS, INC.
 Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233
 Job Name: Ravenna Army Ammunition LL9
 Job# / Loc.: 020922 /
 LAB REF#: 0103-6701

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
010803101	REM	TRANSITE	EX	HF	12:30	1:00	30	2.04	61.2	WET FILTER		N/A	KEVIN ALBERS
010803102	REM	TRANSITE	P	HF	1:00	4:30	210	2.04	428.4	2/100	2.54	<.01	KEVIN ALBERS

Method: NIOSH 7400 Revision #3 5/15/89

F/cc: Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

ACTIVITY:

- REM-Removal
- CLN-Clean Up
- GBG-Glove Bag
- PRP-Prep Work

SAMPLE TYPE:

- A-Area
- AC-Aggressive Clearance
- AI-Area Inside
- AO-Area Outside

- BKG-Background
- B-Blank
- C-Clearance
- CR-Clean Room Area

- EX-Excursion
- NAE-Negative Air Exhaust
- P-Personal(Breathing Zone)
- WLO-Waste Load Out

Respirator:

- HF- Half Face
- FF- Full Face
- PR- PAPR
- PD- Type-C

Analized By: 

Date Taken: 01/08/03

Date Analyzed: 01/31/03

Taken By: Chuck Bomia

Delivered By:

Received By: Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
 2435 E. Kimberly Rd., Suite 160S.
 Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268


Client Information

Client: ACTIVE THERMAL CONCEPTS, INC.
 Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233
 Job Name: Ravenna U9
 Job# / Loc.: _____
 LAB REF#: 1002-6210

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (l. liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
81202-1	PRP	ENCAPSULATING	EX	HF	7:35	8:05	30	2.08	62.4	0.5/100	0.63	<.01	CHARLES BURGESS 331607479
81202-2	PRP	TRANSITE PANELS	P	HF	8:05	10:00	115	2.08	239.2	4/100	5.09	<.01	CHARLES BURGESS 331607479

Method NIOSH 7400 Revision #3 5/15/89
 l/cc - Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

ACTIVITY: REM-Removal CLN-Clean Up GIBG-Glove Bag PRP-Prep Work	SAMPLE TYPE: A-Area AC-Aggressive Clearance AI-Area Inside AO-Area Outside BKG-Background B-Blank C-Clearance CR-Clean Room Area EX-Excursion NAE-Negative Air Exhaust P-Personal(Breathing Zone) WLO-Waste Load Out	Respirator: HF- Half Face FF- Full Face PR- PAPR PD- Type-C	Analyzed By:  Date Taken: <u>08/12/02</u> Date Analyzed: <u>11/05/02</u>
--	---	--	--

Taken By: _____ Delivered By: _____ Received By: Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Client Information

Aspec Environmental Testing, Inc.
 2435 E. Kimberly Rd., Suite 160S.
 Bettendorf, Iowa 52722

Client: ACTIVE THERMAL CONCEPTS, INC.
 Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233
 Job Name: Ravenna Army Amm LL9
 Job# / Loc.: 020922 /
 LAB REF#: 0103-6575

(563) 355-6277

Fax (563) 355-6268

Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
REM	TRANSITE	EX	HF	1:30	2:00	30	2.04	61.2	0/100	0.00	<.01	JUSTIN BOMIA
REM	TRANSITE	P	HF	2:00	4:00	120	2.04	244.8	3.5/100	4.45	<.01	JUSTIN BOMIA

100 Revision #3 5/15/89
 One Centimeter of air Results reported as "-" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal collected over the minimum Six (6) hour sampling time.

SAMPLE TYPE:

- A-Area
- AC-Aggressive Clearance
- AI-Area Inside
- AO-Area Outside

- BKG-Background
- B-Blank
- C-Clearance
- CR-Clean Room Area

- EX-Excursion
- NAE-Negative Air Exhaust
- P-Personal(Breathing Zone)
- WLO-Waste Load Out

Respirator:

- HF- Half Face
- FF- Full Face
- PR- PAPR
- PD- Type-C

Analyzed By:



Date Taken:

12/03/02

Date Analyzed:

01/10/03

ick Bomia

Delivered By:

Received By: Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355-6268

Client Information

Client: ACTIVE THERMAL CONCEPTS, INC.
Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233
Job Name: Ravenna Army Amm LL9
Job# / Loc.: 020922 /
LAB REF#: 0103-6576

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
120402101	REM	TRANSITE	EX	HF	9:00	9:30	30	2.04	61.2	1/100	1.27	<.01	
120402102	REM	TRANSITE	P	HF	9:00	4:30	450	2.04	738.4	5.5/100	7.00	<.01	

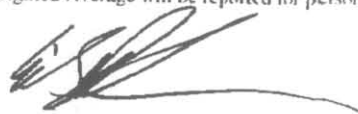
Method: NIOSH 7400 Revision #3 5-15-89

F/cc = Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

ACTIVITY:	SAMPLE TYPE:		
REM-Removal	A-Area	BKG-Background	EX-Excursion
CN-Clean Up	AC-Aggressive Clearance	B-Blank	NAE-Negative Air Exhaust
GB-Glove Bag	AI-Area Inside	C-Clearance	P-Personal(Breathing Zone)
PRP-Prep Work	AO-Area Outside	CR-Clean Room Area	WLO-Waste Load Out

Respirator:
HF- Half Face
FF- Full Face
PR- PAPR
PD- Type-C

Analyzed By: 

Date Taken: 12/04/02

Date Analyzed: 01/10/03

Taken By: Chuck Bomia

Delivered By:

Received By: Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355-6268

Client Information

Client: ACTIVE THERMAL CONCEPTS, INC.
Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233
Job Name: Ravenna Army Amm LL9
Job# / Loc.: 020922 /
LAB REF#: 0103-6577

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
120502101	REM	TRANSITE	EX	HF	8:30	9:00	30	2.04	61.2	1/100	1.27	<.01	
120502102	REM	TRANSITE	P	HF	9:00	4:45	475	2.04	969	3/100	3.82	<.01	

Method: NIOSH 7400 Revision #3 5/15/89
 Fcc - Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

ACTIVITY:

- RM-Removal
- CLN-Clean Up
- GBG-Glove Bag
- PRP-Prep Work

SAMPLE TYPE:

- A-Area
- AC-Aggressive Clearance
- AI-Area Inside
- AO-Area Outside

- BKG-Background
- B-Blank
- C-Clearance
- CR-Clean Room Area

- EX-Excursion
- NAE-Negative Air Exhaust
- P-Personal(Breathing Zone)
- WLO-Waste Load Out

Respirator:

- HF- Half Face
- FF- Full Face
- PR- PAPR
- PD- Type-C

Analyzed By: 

Date Taken: 12/05/02

Date Analyzed: 01/10/03

Taken By: Chuck Bomia

Delivered By:

Received By: Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355-6268

Client Information

Client: ACTIVE THERMAL CONCEPTS, INC.
Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233
Job Name: Ravenna Army Amm LL9
Job# / Loc.: 020922 /
LAB REF#: 0103-6578

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
120602101	REM	TRANSITE	EX	HF	8:30	9:00	30	2.04	61.2	1/100	1.27	<.01	
120602102	REM	TRANSITE	P	HF	9:00	4:30	450	2.04	918	4.5/100	5.73	<.01	

Method: NIOSH 7400 Revision #3 5/15/89

cc - Fibers per Cubic Centimeter of air. Results reported as "<.01" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

ACTIVITY:

REM-Removal
CEN-Clean Up
GBC-Glove Bag
PRP-Prep Work

SAMPLE TYPE:

A-Area
AC-Aggressive Clearance
AI-Area Inside
AO-Area Outside

BKG-Background

B-Blank

C-Clearance

CR-Clean Room Area

EX-Excursion

NAE-Negative Air Exhaust

P-Personal(Breathing Zone)

WLO-Waste Load Out

Respirator:

HF- Half Face

FF- Full Face

PR- PAPR

PD- Type-C

Analyzed By: 

Date Taken: 12/06/02

Date Analyzed: 01/10/03

Taken By: Chuck Bomia

Delivered By:

Received By: Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.

2435 E. Kimberly Rd., Suite 160S.

Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355-6268

Client Information

Client: ACTIVE THERMAL CONCEPTS, INC.

Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233

Job Name: Ravenna Army Amm LL9

Job# / Loc.: 020922 /

LAB REF#: 0103-6579

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
120802101	REM	TRANSITE	EX	HF	8:30	9:00	30	2.04	61.2	1.5/100	1.91	0.01	JUSTIN BOMIA
120802102	REM	TRANSITE	P	HF	9:00	4:30	450	2.04	918	3/100	3.82	<.01	JUSTIN BOMIA

Method: NIOSH 7400 Revision #3 5/15/89

FF - Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

ACTIVITY:

- REM-Removal
- C/U-Clean Up
- GBG-Glove Bag
- PRP-Prep Work

SAMPLE TYPE:

- A-Area
- AC-Aggressive Clearance
- AI-Area Inside
- AO-Area Outside

- BKG-Background
- B-Blank
- C-Clearance
- CR-Clean Room Area

- EX-Excursion
- NAE-Negative Air Exhaust
- P-Personal(Breathing Zone)
- WLO-Waste Load Out

Respirator:

- HF- Half Face
- FF- Full Face
- PR- PAPR
- PD- Type-C

Analyzed By: 

Date Taken: 12/08/02

Date Analyzed: 01/10/03

Taken By: Chuck Bomia

Delivered By:

Received By: Erik Daubman

Client Information

HERMAL CONCEPTS, INC.
 trial Avenue, Hiawatha, Iowa 52233
 Army Amm LL9

Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
.5/100	0.63	<.01	JOSH BOMIA
.5/100	7.00	<.01	JOSH BOMIA

An Eight (8) hour Time Weighted Average will be reported for personal

Analyzed By:



Date Taken:

12/10/02

Date Analyzed:

01/10/03

By: Erik Daubman

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
 2435 E. Kimberly Rd., Suite 160S.
 Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268

Client: ACTIVE T
 Address: 1110 Indus
 Job Name: Ravenna A
 Job# / Loc.: 020922 /
 LAB REF#: 0103-6580

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	
121002101	REM	TRANSITE	EX	HF	8:30	9:00	30	2.04	61.2	0
121002102	REM	TRANSITE	P	HF	9:00	4:30	450	2.04	918	5

Method: NIOSH 7400 Revision #3 5/15/89
 Unit: Fibers per Cubic Centimeter of air. Results reported as "<lt;" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume of samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

- | | | | | |
|--|--|---|---|---|
| <p>ACTIVITY:
 R-M-Removal
 I N-Clean Up
 BG-Glove Bag
 RP-Prep Work</p> | <p>SAMPLE TYPE:
 A-Area
 AC-Aggressive Clearance
 AI-Area Inside
 AO-Area Outside</p> | <p>BKG-Background
 B-Blank
 C-Clearance
 CR-Clean Room Area</p> | <p>EX-Excursion
 NAE-Negative Air Exhaust
 P-Personal(Breathing Zone)
 WLO-Waste Load Out</p> | <p>Respirator:
 HF- Half Face
 FF- Full Face
 PR- PAPR
 PD- Type-C</p> |
|--|--|---|---|---|

Sampled By: **Chuck Bomia**

Delivered By: _____

Received By: _____

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355-6268

Client Information

Client: ACTIVE THERMAL CONCEPTS, INC.
Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233
Job Name: Ravenna Army Amm LL9
Job# / Loc.: 020922 /
LAB REF#: 0103-6581

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
121102101	REM	TRANSITE	EX	HF	8:30	9:00	30	2.04	61.2	4/100	5.09	0.03	
121102102	REM	TRANSITE	P	IIF	9:00	2:00	300	2.04	720	3.5/100	4.45	<.01	

Method: NIOSH 7100 Revision #3 5/15/89

Unit: Fibers per Cubic Centimeter of air. Results reported as "-" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

ACTIVITY:

REM-Removal
CEU-Clean Up
GIBG-Glove Bag
PRE-Prep Work

SAMPLE TYPE:

A-Area
AC-Aggressive Clearance
AI-Area Inside
AO-Area Outside

BKG-Background
B-Blank
C-Clearance
CR-Clean Room Area

EX-Excursion
NAI-Negative Air Exhaust
P-Personal(Breathing Zone)
WLO-Waste Load Out

Respirator:

IIF- Half Face
FF- Full Face
PR- PAPR
PD- Type-C

Analyzed By:

Date Taken:

Date Analyzed:

12/11/02

01/10/03

Taken By: Chuck Bomia

Delivered By:

Received By: Erik Daubman

Client Information

HERMAL CONCEPTS, INC.
rial Avenue, Hiawatha, Iowa 52233
rmy Amm LL9

Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
5/100	0.63	<.01	JOSH BOMIA
5/100	0.63	<.01	JOSH BOMIA

An Eight (8) hour Time Weighted Average will be reported for personal

Analyzed By:



Date Taken:

12/12/02

Date Analyzed:

01/10/03

By: Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355-6268

Client: ACTIVE T
Address: 1110 Indust
Job Name: Ravenna A
Job# / Loc.: 020922 /
LAB REF#: 0103-6582

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)
121202101	REM	TRANSITE	EX	HF	8:30	9:00	30	2.04	61.2
121202102	REM	TRANSITE	P	HF	9:00	4:30	450	2.04	918

Method: NIOSH 7400 Revision #3 5/15/89

%cc = Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume of samples which are collected over the minimum Six (6) hour sampling time

ABBREVIATIONS:

CIVILITY:

ER- Removal
ENC- Clean Up
BG- Glove Bag
CP- Prep Work

SAMPLE TYPE:

A- Area
AC- Aggressive Clearance
M- Area Inside
AO- Area Outside

BKG- Background

B- Blank

C- Clearance

CR- Clean Room Area

EX- Excursion

NAE- Negative Air Exhaust

P- Personal (Breathing Zone)

WLO- Waste Load Out

Respirator:

HF- Half Face

FF- Full Face

PR- PAPR

PD- Type-C

Sampled By: Chuck Bomia

Delivered By:

Received:

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
 2435 E. Kimberly Rd., Suite 160S.
 Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355-6268

Client Information

Client: ACTIVE THERMAL CONCEPTS, INC.
Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233
Job Name: Ravenna Army Amm LL9
Job# / Loc.: 020922 /
LAB REF#: 0103-6583

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & SS Number
121602101	RI:M	TRANSITE	EX	HF	8:30	9:00	30	2.04	61.2	7.5/100	9.55	0.06	KEVIN WHITTEMORE
121602102	RI:M	TRANSITE	P	HF	9:00	4:30	450	2.04	918	0.5/100	0.63	<.01	KEVIN WHITTEMORE

Method: NIOSH 7400 Revision #3 5/15/89
 F/cc - Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

ACTIVITY:

RI-M-Removal
 C/U-Clean Up
 G/BG-Glove Bag
 PRP-Prep Work

SAMPLE TYPE:

A-Area
 AC-Aggressive Clearance
 AI-Area Inside
 AO-Area Outside

BKG-Background
 B-Blank
 C-Clearance
 CR-Clean Room Area

EX-Excursion
 NAE-Negative Air Exhaust
 P-Personal(Breathing Zone)
 W/O-Waste Load Out

Respirator:
 HF- Half Face
 FF- Full Face
 PR- PAPR
 PD- Type-C

Analyzed By: 

Date Taken: 12/16/02

Date Analyzed: 01/10/03

Taken By: Chuck Bomia

Delivered By:

Received By: Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355-6268

Client Information

Client: ACTIVE THERMAL CONCEPTS, INC.
Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233
Job Name: Ravenna Army Amm LL9
Job# / Loc.: 020922 /
LAB REF#: 0103-6584

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (Liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
121702101	REM	TRANSITE	EX	HF	8:30	9:00	30	2.04	61.2	1/100	1.27	<.01	ADRIEL BRADFORD
121702102	REM	TRANSITE	P	HF	9:00	4:30	450	2.04	918	4/100	5.09	<.01	ADRIEL BRADFORD

Method: NIOSH 7400 Revision #3 5/15/89

Fcc - Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

ACTIVITY:

REM-Removal
CLN-Clean Up
GBG-Glove Bag
PRP-Prep Work

SAMPLE TYPE:

A-Area
AC-Aggressive Clearance
AI-Area Inside
AO-Area Outside

BKG-Background
B-Blank
C-Clearance
CR-Clean Room Area

EX-Excursion
NAE-Negative Air Exhaust
P-Personal(Breathing Zone)
WLO-Waste Load Out

Respirator:

HF- Half Face
FF- Full Face
PR- PAPR
PD- Type-C

Analyzed By: 

Date Taken: 12/17/02

Date Analyzed: 01/14/03

Taken By: Chuck Bomia

Delivered By:

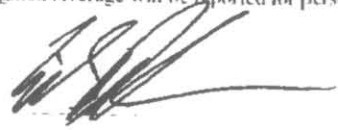
Received By: Erik Daubman

Client Information

HERMAL CONCEPTS, INC.
trial Avenue, Hiawatha, Iowa 52233
rmy Amm LL9

Fibers Field	Fiber mm ²	Fibers cc	Worker Name & S S Number
100	3.82	0.02	JUSTIN BOMIA
100	6.36	<.01	JUSTIN BOMIA

An Eight (8) hour Time Weighted Average will be reported for personal

Analyzed By: 

Date Taken: 12/18/02

Date Analyzed: 01/14/03

d By: Erik Daubman

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355-6268

Client: ACTIVE T
Address: 1110 Indus
Job Name: Ravenna A
Job# / Loc.: 020922 /
LAB REF#: 0103-6585

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (liters)	
121802101	REM	TRANSITE	EX	HF	8:30	9:00	30	2.04	61.2	3
121802102	REM	TRANSITE	P	HF	9:00	4:30	450	2.04	918	5

Method: NIOSH 7400 Revision #3 5/15/89

1/cc = 1 fiber per cubic centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume of samples which are collected over the minimum six (6) hour sampling time.

ABBREVIATIONS:

- | | | | | |
|------------------|-------------------------|--------------------|----------------------------|--------------------|
| ACTIVITY: | SAMPLE TYPE: | | | Respirator: |
| FM Removal | A-Area | BKG-Background | EX-Excursion | HF- Half Face |
| FM Clean Up | AC-Aggressive Clearance | B-Blank | NAE-Negative Air Exhaust | FF- Full Face |
| BG-Glove Bag | AI-Area Inside | C-Clearance | P-Personal(Breathing Zone) | PR-PAPR |
| SP-Prep Work | AO-Area Outside | CR-Clean Room Area | WLO-Waste Load Out | PD-Type-C |

taken By: Chuck Bonnia

Delivered By:

Received:

AIR SAMPLE DATA SHEET

A.E.T. Laboratories

Aspec Environmental Testing, Inc.
2435 E. Kimberly Rd., Suite 160S.
Bettendorf, Iowa 52722

Phone (563) 355-6277

Fax (563) 355- 6268

Client Information

Client: ACTIVE THERMAL CONCEPTS, INC.
Address: 1110 Industrial Avenue, Hiawatha, Iowa 52233
Job Name: Ravenna Army Amm LL9
Job# / Loc.: 020922/
LAB REF#: 0103-6586

Sample Number	Activity	Location or Description	Sample Type	Type Rspr	Start Time	Stop Time	Total Minutes	Flow Rate	Volume (liters)	Fibers Field	Fiber mm2	Fibers cc	Worker Name & S S Number
121902101	REM	TRANSITE	EX	HF	8:30	9:00	30	2.04	61.2	1/100	1.27	<01	KEVIN ALBERS
121902102	REM	TRANSITE	P	HF	9:00	4:30	450	2.04	918	1.5/100	1.91	<01	KEVIN ALBERS

Method: NIOSH 7400 Revision #3 5/15/89

File: Fibers per Cubic Centimeter of air. Results reported as "<" are less than the limit of reliable quantification of 10 fibers/100 fields for the given volume. An Eight (8) hour Time Weighted Average will be reported for personal samples which are collected over the minimum Six (6) hour sampling time.

ABBREVIATIONS:

ACTIVITY:

REM-Removal
CL-Clean Up
GB-Glove Bag
PRP-Prep Work

SAMPLE TYPE:

A-Area
AC-Aggressive Clearance
AI-Area Inside
AO-Area Outside

BKG-Background
B-Blank
C-Clearance
CR-Clean Room Area

EX-Excursion
NAE-Negative Air Exhaust
P-Personal(Breathing Zone)
WLO-Waste Load Out

Respirator:

HF- Half Face
FF- Full Face
PR- PAPR
PD- Type-C

Analyzed By:



Date Taken:

12/19/02

Date Analyzed:

01/14/03

Taken By: Chuck Bomia

Delivered By:

Received By: Erik Daubman

Date 14-Nov-03
 Client MKM
 Project Ravenna Arsenal

**SPIKER ENVIRONMENTAL
 AIRBORNE FIBER MONITORING REPORT
 DESCRIPTIVE INFORMATION**

Diamond Project # 3-0269
 SES Project ID# KE77-MK

SAMPLE I.D.	SAMPLE TYPE	WORKER'S NAME	SOCIAL SECURITY #	LOCATION	ACTIVITY	RESPIRATOR TYPE
110703-RA-0	PRS	Gary Billiter		Wet Storage - Igloo WS-2	REM	HM-APR
110703-RA-02	PRS-EL	Gary Billiter		Wet Storage - Igloo WS-2	REM/CLN	HM-APR
111003-RA-03	PRS	Steve Masters		Wet Storage - Igloo WS-2	REM	HM-APR
111003-RA-04	PRS-EL	Steve Masters		Wet Storage - Igloo WS-2	REM/CLN	HM-APR
111103-RA-05	PRS	Marcia Kinsey		Wet Storage - Igloo WS-2	REM	HM-APR
111103-RA-06	PRS-EL	Marcia Kinsey		Wet Storage - Igloo WS-2	REM	HM-APR
111203-RA-07	PRS	Gary Billiter		Wet Storage - Igloo WS-2A	REM	HM-APR
111203-RA-08	PRS-EL	Gary Billiter		Wet Storage - Igloo WS-2A	REM/CLN	HM-APR
111303-RA-09	PRS-EL	Steve Masters		Wet Storage - Igloo WS-2A	CLN	HM-APR
111303-RA-10	PRS	Steve Masters		Wet Storage - Igloo WS-2A	REM	HM-APR
111303-RA-11	PRS-EL	Jose Martinez		Wet Storage - Igloo WS-1A	REM	HM-APR
111303-RA-12	PRS	Jose Martinez		Wet Storage - Igloo WS-1A	REM/CLN	HM-APR

ANALYTICAL INFORMATION

FILTER COLLECTION AREA 385 mm2

GRATICULE FIELD AREA 0.00785 mm2

SAMPLE I.D.	PUMP #	CALIB. FLOW RATE (L/min)			Running Time (min)			VOLUME (Liters)	FIBERS/ FIELDS	FIBERS/ mm2 (Blank Corr)	LOQ FIBERS/ cm3	FIBERS/ cm3 (Blank Corr)
		BEGINNING	END	AVERAGE	START	STOP	DURATION					
110703-RA-0	LV-1	2.00	2.00	2.00	1521	1642	81	162	12/100	15.29	0.030	0.036
110703-RA-02	LV-1	2.00	2.00	2.00	1642	1711	29	58	5/100	6.37	0.085	< 0.085
111003-RA-03	LV-1	2.00	2.00	2.00	0815	1141	206	412	21/100	26.75	0.012	0.025
111003-RA-04	LV-1	2.00	2.00	2.00	1328	1401	33	66	7/100	8.92	0.074	< 0.074
111103-RA-05	LV-1	2.00	2.00	2.00	0714	1047	213	426	10/100	12.74	0.012	0.012
111203-RA-06	LV-1	1.80	1.80	1.80	1047	1130	43	77	4/100	5.10	0.064	< 0.064
111203-RA-07	LV-1	2.00	2.00	2.00	1413	1624	131	262	16/100	20.38	0.019	0.030
111203-RA-08	LV-1	2.00	2.00	2.00	1624	1703	39	78	6/100	7.64	0.063	< 0.063
111303-RA-09	LV-1	2.00	2.00	2.00	0722	1101	219	438	19.5/100	24.84	0.011	0.022
111303-RA-10	LV-1	2.00	2.00	2.00	1101	1138	37	74	8/100	10.19	0.066	< 0.066
111303-RA-11	LV-1	2.00	2.00	2.00	1305	1340	35	70	3/100	3.82	0.070	0.070
111303-RA-12	LV-1	1.80	1.80	1.80	1340	1651	191	344	10.5/100	13.38	0.014	0.015

Comments :

KEY TO ABBREVIATIONS				
SAMPLE TYPE		ACTIVITY		RESPIRATOR
PRS=personal	ENV=environmental	REM=removal	PREP=site prep	HM=half mask
PRM=perimeter	HEX=hepa exhaust	CLN=clean-up	IC=inside cont.	FF=full face
BGD=backgroun	CL=clearance	GLBG=glovebag	OC=outside cont.	P=powered
FB=field blank	FC=final clearance	BGLO=bag load out		APR=air purifying resp.

Sampled by Steve Masters
 Analyzed by Steve Masters
 of DIAMOND ENVIRONMENTAL

PAGE 02

3306330831

01/19/2004 11:03

Date 17-Nov-03
 Client MKM
 Project Ravenna Arsenal

**SPIKER ENVIRONMENTAL
 AIRBORNE FIBER MONITORING REPORT
 DESCRIPTIVE INFORMATION**

Diamond Project # 3-0269b
 SES Project ID# KE77-MK

PAGE 03

SAMPLE I.D.	SAMPLE TYPE	WORKER'S NAME	SOCIAL SECURITY #	LOCATION	ACTIVITY	RESPIRATOR TYPE
111703-RA-13	PRS	Jose Martinez		Wet Storage - igloo WS - 1	REM/CLN	HM-APR
111703-RA-14	PRS-EL	Jose Martinez		Wet Storage - igloo WS - 2A	CLN	HM-APR
111703-RA-15	PRS	Gary Billiter		Wet Storage - igloo WS - 2	CLN	HM-APR
RA-16	FB					
RA-17	FB					

ANALYTICAL INFORMATION

FILTER COLLECTION AREA 385 mm2

GRATICULE FIELD AREA 0.00785 mm2

SAMPLE I.D.	PUMP #	CALIB. FLOW RATE (L/min)			Running Time (min)			VOLUME (Liters)	FIBERS/ FIELDS	FIBERS/ mm2 (Blank Corr)	LOQ FIBERS/ cm3	FIBERS/ cm3 (Blank Corr)
		BEGINNING	END	AVERAGE	START	STOP	DURATION					
111703-RA-13	LV-1	2.00	2.00	2.00	0752	1118	208	412	18.5/100	23.57	0.012	0.022
111703-RA-14	LV-1	2.00	2.00	2.00	1311	1343	32	64	5.5/100	7.01	0.077	< 0.077
111703-RA-15	LV-1	2.00	2.00	2.00	1351	1617	146	292	12/100	15.29	0.017	0.020
RA-16									0/100	< 0.01		
RA-17									0/100	< 0.01		

Comments :

3306330831
 01/19/2004 11:03

KEY TO ABBREVIATIONS					
SAMPLE TYPE		ACTIVITY		RESPIRATOR	
PRS=personal	ENV=environmental	REM=removal	PREP=site prep	HM=half mask	
PRM=perimeter	HEX=hepa exhaust	CLN=clean-up	IC=inside cont.	FF=full face	
BGD=backgroun	CL=clearance	GLBG=glovebag	OC=outside cont.	P=powered	
FB=field blank	FC=final clearance	BGLO=bag load out		APR=air purifying resp.	

Sampled by

Steve Masters

Analyzed by

Keith Bickel
 of Diamond Environmental