Appendix I

Asbestos Abatement Report, January 10, 2019

SIENNA
ENVIRONMENTAL TECHNOLOGIES
350 Elmwood Ave. | Buffalo NY 14222 | 716.332.3134
81 Fall St., Suite 4 | Seneca Falls NY 13148 | 315.257.0270

January 10, 2019
Revised: September 11, 2019

Mark Lovejoy
Tantara Corporation
54 Mason Street
Worcester, MA 01610

Re: Asbestos Abatement
Underground NIKE Missile Silos – Defense Battery BU-34/35
601 Willardshire Road
Aurora, New York
Interior/Exterior Abatement Project
SET #3239

Dear Mr. Lovejoy:

The Asbestos Abatement Project at 601 Willardshire Road consisted of the removal of the following asbestos-containing materials (ACM):

Room/Work Area	ACM Removed	Project Size
Silo #1 – Interior	Corrugated Pipe Insulation and Mudded Pipe Fittings / Associated Debris	Large
	Gaskets	
	Cementitious Pegboard	
	Wire Insulation	
Silo #1 – Exterior	Buried Cementitious Piping	Large
Silo #2 – Interior	Corrugated Pipe Insulation and Mudded Pipe Fittings / Associated Debris	Large
	Gaskets	
	Cementitious Pegboard	
	Wire Insulation	
Silo #2 - Exterior	Buried Cementitious Piping	Large
	Expansion Joint Caulk	Small
Silo #3 – Interior	Corrugated Pipe Insulation and Mudded Pipe Fittings / Associated Debris	Large
	Gaskets	
	Cementitious Pegboard	
	Wire Insulation	
Silo #3 – Exterior	Buried Cementitious Piping	Large
Silo #4 – Interior	Corrugated Pipe Insulation and Mudded Pipe Fittings / Associated Debris	Large
	Gaskets	
	Cementitious Pegboard	
	Wire Insulation	
Silo #4 – Exterior	Buried Cementitious Piping	Large
Silo #5 – Interior	Corrugated Pipe Insulation and Mudded Pipe Fittings / Associated Debris	Large
	Gaskets	
	Cementitious Pegboard	
	Wire Insulation	
Silo #5 – Exterior	Buried Cementitious Piping	Large
Silo #6 – Interior	Asbestos Containing Material Contaminated Soil / Debris	Large
Silo #6 – Exterior	Buried Cementitious Piping	Large

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Allied Environmental Services LLC. was charged with conducting the abatement within the conditions outlined in:

- New York State Industrial Code Rule 56 as granted by the New York State Department of Labor.
- OSHA 29 CFR 1926.1101
- EPA 40 CFR Part 61
- Site Specific Variance 18-0656

A total of four-hundred five (405) Phase Contrast Microscopy (PCM) air samples were taken throughout the course of the project.

The final Project Monitor Clearance Visual Inspection was conducted by Sienna Environmental Technologies on May 29, 2019, and the contractor's log book was signed by the Sienna Project Monitor on site.

Final clearance air sampling was performed on October 30, 2018 and all work areas were cleared with sample results below a concentration of 0.01 fibers per cubic centimeter for all PCM air samples.

Sincerely,

Sean Fitzgerald
Project Manager

SIENNA
ENVIRONMENTAL TECHNOLOGIES

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1. INTRODUCTION

Sienna Environmental Technologies, LLC (Sienna) was contracted to provide Project Monitoring and Air Sampling services for the aforementioned Asbestos Abatement Project.

Sienna Environmental Technologies, LLC (ELAP No. 11727) performed the analysis on the PCM air sampling cassettes provided to them by their personnel.

A Large Asbestos Project is defined as a project involving the removal, disturbance, enclosure, encapsulation, repair or handling of one hundred and sixty (160) square feet or more of Asbestos Containing Material (ACM) or Presumed Asbestos Containing Material (PACM) or two hundred and sixty (260) linear feet or more of ACM or PACM.

A Small Asbestos Project is defined as a project involving the removal, disturbance, enclosure, encapsulation, repair or handling of more than ten (10) and less than one hundred and sixty (160) square feet of ACM or PACM or asbestos material of more than twenty five (25) and less than two hundred and sixty (260) linear feet of ACM or PACM.

A Minor Asbestos Project is defined as a project involving the removal, disturbance, enclosure, encapsulation, repair or handling of ten (10) square feet or less of ACM or PACM or asbestos material of twenty five (25) linear feet or less of ACM or PACM.

2. METHODOLOGY

Phase IB Background Pre-Abatement Air Samples – Background air sampling is conducted prior to Asbestos Abatement Contractor mobilization. This method is used to determine airborne fiber concentrations in the area where abatement work is to be conducted, prior to starting Phase IIA of the asbestos project. Background air sampling is required for all large and small projects.

Phase IIA Regulated Abatement Work Area Preparation Air Samples – Pre-Abatement air sampling is conducted throughout the entire shift during work area preparation to determine if any Asbestos Material is disturbed. Pre-Abatement air sampling is required for all large asbestos projects with OSHA Class I or Class II friable ACM subject to handling/abatement.

Phase IIB Asbestos Handling Air Samples – Abatement sampling is conducted while the abatement is being performed to determine whether any airborne Asbestos is escaping the contained work area. Abatement air sampling is required on most interior large projects.

Phase IIC Final Cleaning and Clearance Air Samples – Post-Abatement/Final/Clearance sampling is conducted after the completion of abatement activities to determine airborne fiber concentrations. Clearance air sampling is required on most large, small and some minor projects that are completed utilizing a negative pressure enclosure.

Asbestos Air Samples are analyzed under Phase Contrast Microscopy (PCM) using the NIOSH 7400 methodology. This methodology is non-specific for asbestos. All fibers and fiber-like particles having a length greater than 5 micrometers and a length to width ratio of 3:1 must be counted.

2. METHODOLOGY (continued)

PCM clearance air sample results shall be considered satisfactory when every clearance air sample demonstrates an airborne concentration of less than 0.01 fibers per cubic centimeter or the established background level, whichever is greater. If TEM is the selected method of clearance air sampling and analysis, the clearance criteria and sampling protocols of AHERA shall be used.

No air sampling is required for exterior project removal of non-friable organically bound asbestos materials unless the asbestos is rendered friable during removal or debris falls within the building or structure. In these cases air sampling is generally conducted as part of exterior project removals.

An appropriately trained and certified Project Monitor must complete a visual inspection of the abatement area for all large and small projects. The visual inspection for completeness of abatement and completeness of cleanup is performed per the provisions of the current ASTM standard E1368 “Standard Practice for Visual Inspection of Asbestos Abatement Projects”.

3. DAILY FIELD REPORT(S)

SIENNA ENVIRONMENTAL TECHNOLOGIES

350 Elmwood Ave. • Buffalo, NY 14222
P 716-332-3134 F 716.332.3136

ENVIRONMENTAL PROJECT DAILY REPORT

CLIENT/CONTACT: Tantara Corp. / Mark Lovejoy
PROJECT NAME/ADDRESS: Nike Missile BU-34/35 / 601 Willardshire Rd.
WORK AREA LOCATION: Silo #2
MATERIALS REMOVED: Pipe Insulation and Fittings
Gaskets
Cementitious Pegboard
Wire Insulation

DATE: 06/12/18
S M T W TH F S
SET#: 3239
PROJECT TYPE: Asbestos
START TIME: 0830
END TIME: 1600
NUMBER OF SAMPLES: 6+2

CONTRACTOR: Allied Env. Services
SUPERVISOR: Mark Maloney (716) 796-4021
NUMBER OF WORKERS ON-SITE: 3
RESPIRATORY PROTECTION REQUIRED: PAPR
RESPIRATORY PROTECTION USED BY CONTRACTOR: none

SIENNA LICENSE POSTED: ✓
AIR MONITOR CERTIFICATIONS POSTED: ✓
TECHNICIAN: Craig Mikita
WORK AREA(S) SIZE: Large
ENCLOSURE TYPE: Negative Pressure Enclosure
SSV-18-0656

MONOMETER READING: NA _____AM _____PM
PUMP LOCATIONS CHECKED: ✓
PUMPS CALIBRATED: ✓
VISUAL INSPECTION OK: NA
WAITING PERIOD REQUIRED: NA

PHASE OF WORK: B (C) A C
OSHA PERSONALS TAKEN: (PE) EX

AIR RESULTS REVIEWED/POSTED: NA
AIR RESULTS REVIEWED: NA

ANY HIGH LEVELS: NA
ANY HIGH LEVELS: NA

NOTES: Arrived on site with Sean from Sienna at 0830. Discussed SSV-18-0656 and scope of work for the project. Met with Tantara Corp. workers and discussed project. Also met with Allied Env. services workers and discussed project. Set up and calibrated pumps at 1000. Also took personals today. Sean left site at 1030. Checked Allied workers hard cards and certifications posted in decon. Allied workers setup remote personal decon per ICR 56-7.5(d). Allied workers also setup signage and barrier tape per ICR 56-7.4. Took break. Allied workers began prepping lowering reg air machines and equipment into work area. Allied opened gasket to determine if it was an ACM. Basket material needs to be inspected. Generator and hard top dumpster arrived on site. Contractor finished for the day and left site. Took final pump calibration and finished sampling at 1600. Finished paper work and left site at 1615.

Craig Mikita
SIGNATURE

808571
D.O.L. CERTIFICATION NUMBER

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350 Elmwood Ave. • Buffalo, NY 14222
P 716.332.3134 F 716.332.3136

ENVIRONMENTAL PROJECT DAILY REPORT

CLIENT/CONTACT: Tantara Corp. / Mark Lovejoy

PROJECT NAME/ADDRESS: Nike Missile BU-34/35/601 Willardshire Rd.

WORK AREA LOCATION: Silo #2

MATERIALS REMOVED: ~~Pipe Insulation and Fittings~~ None (prep)
~~Gaskets~~
~~Cementitous Pegboard~~
~~Wire Insulation~~

CONTRACTOR: Allied

SUPERVISOR: Mark Maloney

NUMBER OF WORKERS ON-SITE: 3

RESPIRATORY PROTECTION REQUIRED: PAPR

RESPIRATORY PROTECTION USED BY CONTRACTOR: none

DATE: 06/13/18

S M T W TH F S

SET#: 3239

PROJECT TYPE: Asbestos

START TIME: 0730

END TIME: 1500

NUMBER OF SAMPLES: 6+2

SIENNA LICENSE POSTED: ✓

MONOMETER READING: NA _____AM _____PM

AIR MONITOR CERTIFICATIONS POSTED: ✓

PUMP LOCATIONS CHECKED: ✓

TECHNICIAN: Craig Mikida

PUMPS CALIBRATED: ✓

WORK AREA(S) SIZE: Large

VISUAL INSPECTION OK: NA

ENCLOSURE TYPE: NPE w/ glovebag abatement SSV-18-0656

WAITING PERIOD REQUIRED: 4 hr

PHASE OF WORK: B **D** A C

AIR RESULTS REVIEWED/POSTED: NA

ANY HIGH LEVELS: NA

OSHA PERSONALS TAKEN: ~~PE~~ EX

AIR RESULTS REVIEWED: NA

ANY HIGH LEVELS: NA

NOTES: Arrived on site at 0745. Met with contractor and client and Sean (Sienna) and Mark Lovejoy (Tantara) arrived on site. Discussed prep plan for the day as well as further inspection for possible ACM. Set up and calibrated pumps at 0800. Contractor began setting up neg air machines, airlock, and critical barriers. Sean left site at 0930. Contractor started to line hard top dumpster with poly. Critical barriers applied per ICR 56-7.11(a) around vent hatch and elevator hatch. Airlock set up per ICR 56-7.5(d)(3). Neg air setup per ICR 56-7.8 and established at 1145. Hardwall containment to be built and placed around neg air exhaust. Took break. Contractor lining dumpster per ICR-56-9.9(g). Contractor built hardwall structure around neg air exhaust. Contractor finished work and left site. Took final pump calibration and finished sampling at 1500. Finished paper work and left site.

Craig Mikida
SIGNATURE

808571
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350 Elmwood Ave. • Buffalo, NY 14222
P 716-332-3134 F 716-332-3136

ENVIRONMENTAL PROJECT DAILY REPORT

CLIENT/CONTACT: Tantara Corp. / Mark Lovejoy

DATE: 06/14/18

PROJECT NAME/ADDRESS: Nike Missile BU-34/35 / 601 Willardshire Rd.

S M T W ~~TH~~ F S

WORK AREA LOCATION: Silo #2

SET#: 3239

MATERIALS REMOVED: Pipe Insulation and Fittings
Associated debris and sediment

PROJECT TYPE: Asbestos

START TIME: 0730

END TIME: 1515

CONTRACTOR: Allied

SUPERVISOR: Mark Maloney

NUMBER OF WORKERS ON-SITE: 4

NUMBER OF SAMPLES: 7+2

RESPIRATORY PROTECTION REQUIRED: PAPR

RESPIRATORY PROTECTION USED BY CONTRACTOR: full face respirator

SIENNA LICENSE POSTED: ✓

MONOMETER READING: -0.021 AM -0.018 PM

AIR MONITOR CERTIFICATIONS POSTED: ✓

PUMP LOCATIONS CHECKED: ✓

TECHNICIAN: Craig Mikida

PUMPS CALIBRATED: ✓

WORK AREA(S) SIZE: Large

VISUAL INSPECTION OK: NA

ENCLOSURE TYPE: NPE w/ glovebag abatement SSV-18-0656

WAITING PERIOD REQUIRED: NA

PHASE OF WORK: B P ~~A~~ C

AIR RESULTS REVIEWED/POSTED: ✓

ANY HIGH LEVELS: No

OSHA PERSONALS TAKEN: ~~PF~~ ~~EB~~

AIR RESULTS REVIEWED: NA

ANY HIGH LEVELS: NA

NOTES: Arrived on site at 0745. Met with contractor and discussed abatement plan for the day. Setup and calibrated pumps at 0800. New worker on site, checked hard card. Workers first started removing associated debris and sediment per SSV-18-0656. Jeremy from Army Core arrived on site and conducted walkthrough with Tantara. NRC also on site conducting work near work area that is causing dusty conditions. Entered work area at 1030 and visually inspected removed sediment. Sediment removed per SSV-18-0656. Workers removed light fixture and determined they were filled with water and oil. Workers laid down drop cloth and were removing pipe insulation using glovebag. Workers were using glovebag, amended water, and bagging waste per ICR 56-8.4. Took break. Workers continued to remove insulation. Entered work area at 1330. Glovebag abatement of insulation per ICR 56-8.4. Cleanup up waste, drop clothes, and bagging waste. Removal of waste per ICR 56-8.9. Took final calibration and finished sampling at 1500. Finished work and left site 1515.

Craig Mikida
SIGNATURE

808571
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350 Elmwood Ave. • Buffalo, NY 14222
P 716.332.3134 F 716.332.3136

ENVIRONMENTAL PROJECT DAILY REPORT

CLIENT/CONTACT: Tantara Corp. / Mark Lovejoy

PROJECT NAME/ADDRESS: Nike Missile BU-34/35 / 601 Willardshire Rd.

WORK AREA LOCATION: Silo #2

MATERIALS REMOVED: Pipe Insulation and Fittings
Cementitous Pegboard

CONTRACTOR: Allied

SUPERVISOR: Mark Maloney

NUMBER OF WORKERS ON-SITE: 4

RESPIRATORY PROTECTION REQUIRED: PAPR

RESPIRATORY PROTECTION USED BY CONTRACTOR: full face

DATE: 06/18/18

S M T W TH F S

SET#: 3239

PROJECT TYPE: Asbestos

START TIME: 0745

END TIME: 1630

NUMBER OF SAMPLES: 7+2

SIENNA LICENSE POSTED: ✓

MONOMETER READING: _____AM _____PM

AIR MONITOR CERTIFICATIONS POSTED: ✓

PUMP LOCATIONS CHECKED: ✓

TECHNICIAN: Craig Milkida

PUMPS CALIBRATED: ✓

WORK AREA(S) SIZE: Large

VISUAL INSPECTION OK: NA

ENCLOSURE TYPE: NPE w/ glovebag abatement
SSV-18-0056

WAITING PERIOD REQUIRED: NA

PHASE OF WORK: B P A C

AIR RESULTS REVIEWED/POSTED: NA

ANY HIGH LEVELS: NA

OSHA PERSONALS TAKEN: PE EX

AIR RESULTS REVIEWED: NA

ANY HIGH LEVELS: NA

NOTES: Arrived on site at 0745. Met with supervisor and discussed abatement plan for the day. Set up, calibrated pumps and began sampling at 0800. Workers began abating work area per ICR 56-8.4. Workers unscrewing pegboard, spraying amended water, and bagging waste. Workers also scrubbing pipes where pipe insulation was removed. Took break. New worker on site, checked hard card. Workers continued to remove pegboard in personnel room and remove light fixtures. Workers bagging out waste per ICR-8.9. Contractor finished for the day and left site. Took final calibration and finished sampling at 1600. Finished paper work and left site at 1630

Craig Milkida
SIGNATURE

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ENVIRONMENTAL PROJECT DAILY REPORT

CLIENT/CONTACT: Tantara Corp. / Mark Lovejoy	DATE: 06/19/18
PROJECT NAME/ADDRESS: Nike Missile BU-34/35 / 601 Willardshire Rd.	S M T W TH F S
WORK AREA LOCATION: Silo #2	SET#: 3239
MATERIALS REMOVED: Pipe Insulation and Fittings; Cementitous Pegboard; Wire Insulation; Gaskets	PROJECT TYPE: Asbestos
	START TIME: 0730
	END TIME:
CONTRACTOR: Allied / SUPERVISOR: Mark Maloney	NUMBER OF SAMPLES: 12+2
NUMBER OF WORKERS ON-SITE: 4	
RESPIRATORY PROTECTION REQUIRED: PAPR / RESPIRATORY PROTECTION USED BY CONTRACTOR: full face	
SIENNA LICENSE POSTED: ✓	MONOMETER READING: _____AM _____PM
AIR MONITOR CERTIFICATIONS POSTED: ✓	PUMP LOCATIONS CHECKED: ✓
TECHNICIAN: Craig Mikida	PUMPS CALIBRATED: ✓
WORK AREA(S) SIZE: Large	VISUAL INSPECTION OK: NA
ENCLOSURE TYPE: NPE w/ glovebag, SSV-18-0656	WAITING PERIOD REQUIRED: 8 hours

PHASE OF WORK: B P A (O)

AIR RESULTS REVIEWED/POSTED: NA — ANY HIGH LEVELS: NA

OSHA PERSONALS TAKEN: PE EX NA

AIR RESULTS REVIEWED: NA — ANY HIGH LEVELS: NA

NOTES: Arrived on site at 0730. Met with supervisor and discussed abatement plan for the day. Contractor plans to finish abatement and clean work area making it their last full work day inside the work area. In accordance with SSV-18-0656 5 IWA's will be run along with OWA's normally run to count as clearance samples. Set up, calibrated pumps and began sampling at 0830. Workers began abating work area per ICR 56-8.4. Workers spraying amended water, removing pegboard, and bagging waste. Workers also scrubbing pipes and removing light fixtures and wire insulation. Contractor wrapping gaskets and plans to remove gaskets with machinery through elevator hatch due to gasket weight. Took break. Workers continued abating work area per ICR 56-8.4. Workers bagging out waste not in accordance with ICR 56-8.9. Workers using [redacted] personal pick up truck not lined to transport waste to dumpster. Entered work area, gross removal of all ACM complete. Contractor finished, left site. Took final calibration and finished sampling. Finished paper work and left site at 1700.

Craig Mikida
SIGNATURE

808571
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P 716-332-3134 F 716.332.3136

ENVIRONMENTAL PROJECT DAILY REPORT

CLIENT/CONTACT: Tantara Corp. / Mark Lovejoy
DATE: 06/20/18
PROJECT NAME/ADDRESS: Nike Missile BU-34/35 / 601 Willardshire Rd.
S M T W TH F S
WORK AREA LOCATION: Silo #2
SET#: 3239
MATERIALS REMOVED: Pipe Insulation and Fittings + debris sediment
Gaskets
Cementitious Pegboard
Wire Insulation
PROJECT TYPE: Asbestos
START TIME: 0730
END TIME: 1200
CONTRACTOR: Allied
SUPERVISOR: Mark Maloney
NUMBER OF WORKERS ON-SITE: 4
NUMBER OF SAMPLES: 0
RESPIRATORY PROTECTION REQUIRED: PAPR
RESPIRATORY PROTECTION USED BY CONTRACTOR: full face
SIENNA LICENSE POSTED: ✓
MONOMETER READING: _____AM _____PM
AIR MONITOR CERTIFICATIONS POSTED: ✓
PUMP LOCATIONS CHECKED: NA
TECHNICIAN: Craig Mikida
PUMPS CALIBRATED: NA
WORK AREA(S) SIZE: Large
VISUAL INSPECTION OK: ✓
ENCLOSURE TYPE: NPE w/ glovebag SSV-18-0656
WAITING PERIOD REQUIRED: NA

PHASE OF WORK: B P A C
AIR RESULTS REVIEWED/POSTED: ✓
ANY HIGH LEVELS: No
OSHA PERSONALS TAKEN: PE EX NA
AIR RESULTS REVIEWED: NA
ANY HIGH LEVELS: NA

NOTES: Arrived on site at 0730. Sean from Sienna arrived as well. Met with supervisor to conduct Project Monitor Visual Inspection. Walked through work area and minimal debris visible and cleaned immediately. Project Monitor Visual Inspection conducted per ICR 5C-9.1(2)(1) and ASTM standard E1368. Project Monitor Visual Inspection passed. Clearance samples passed at 0930 and work area ready for tear down. Contractor began to break down work area per ICR 5C-9.3. Neg air machines, equipment, and air lock removed from work area. Gaskets also removed from work area and disposed of per ICR 5C-9.9. Remote decon moved off site and to next work area. Remaining light fixtures that were not accessible also removed. Asbestos signage taken down. Contractor finished for the day and left site. Finished paper work and left site.

Craig Mikida
SIGNATURE

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P 716-332.3134 F 716.332.3136

ENVIRONMENTAL PROJECT DAILY REPORT

CLIENT/CONTACT: Tantara Corp. / Mark Lovejoy

PROJECT NAME/ADDRESS: Nike Missile BU-34/35 / 601 Willardshire Rd.

WORK AREA LOCATION: Silo #3

MATERIALS REMOVED: None (prep day)

DATE: 06/20/18

S M T W TH F S (W marked)

SET#: 3239

PROJECT TYPE: Asbestos

START TIME: 1000

END TIME: 1730

CONTRACTOR: Allied

SUPERVISOR: Mark Maloney

NUMBER OF WORKERS ON-SITE: 3

NUMBER OF SAMPLES: 6+2

RESPIRATORY PROTECTION REQUIRED: PAPR

RESPIRATORY PROTECTION USED BY CONTRACTOR: none

SIENNA LICENSE POSTED: ✓

MONOMETER READING: NA ______AM ______PM

AIR MONITOR CERTIFICATIONS POSTED: ✓

PUMP LOCATIONS CHECKED: ✓

TECHNICIAN: Craig Mikida

PUMPS CALIBRATED: ✓

WORK AREA(S) SIZE: Large

VISUAL INSPECTION OK: NA

ENCLOSURE TYPE: NPE w/ glovebag, SSV-18-0656

WAITING PERIOD REQUIRED: ~~[illegible]~~ NA

PHASE OF WORK: B B A C (second B marked)

AIR RESULTS REVIEWED/POSTED: NA

ANY HIGH LEVELS: NA

OSHA PERSONALS TAKEN: PE EX NA

AIR RESULTS REVIEWED: NA

ANY HIGH LEVELS: NA

NOTES: Arrived on site at 1000. Talked with supervisor about prep plan for the day. Set up, calibrated pumps and began sampling at 1030. Contractor set up remote decon per ICR 56-7.5 and SSV-18-0656. Workers lowered equipment and neg air machines down into work area. Workers wrapped and removed gaskets per ICR 56-8.9. Contractor plans to apply 2 critical barriers, set up airlock, and establish negative air tomorrow. Contractor finished work and left site. Took final calibration and finished sampling at 1630. Finished paper work and left site.

Craig M [signature]
SIGNATURE

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ENVIRONMENTAL PROJECT DAILY REPORT

CLIENT/CONTACT: Tantara Corp. / Mark Lovejoy
PROJECT NAME/ADDRESS: Nike Missile BU-34/35 / 601 Willardshire Rd.
WORK AREA LOCATION: Silo # 3
MATERIALS REMOVED: None (prep day)

DATE: 06/21/18
S M T W TH F S
SET#: 3239
PROJECT TYPE: Asbestos
START TIME: 0730
END TIME: 1330
NUMBER OF SAMPLES: 7+2

CONTRACTOR: Allied
SUPERVISOR: Mark Maloney
NUMBER OF WORKERS ON-SITE: 3
RESPIRATORY PROTECTION REQUIRED: PAPR
RESPIRATORY PROTECTION USED BY CONTRACTOR: none
SIENNA LICENSE POSTED: ✓
MONOMETER READING: _____AM _____PM
AIR MONITOR CERTIFICATIONS POSTED: ✓
PUMP LOCATIONS CHECKED: ✓
TECHNICIAN: Craig Mikida
PUMPS CALIBRATED: ✓
WORK AREA(S) SIZE: Large
VISUAL INSPECTION OK: NA
ENCLOSURE TYPE: NPE w/ glovebag, SSV-18-0656
WAITING PERIOD REQUIRED: 4 hours

PHASE OF WORK: B (C) A C
AIR RESULTS REVIEWED/POSTED: NA
ANY HIGH LEVELS: NA
OSHA PERSONALS TAKEN: PE EX NA
AIR RESULTS REVIEWED: NA
ANY HIGH LEVELS: NA

NOTES: Arrived on site at 0730. Met with supervisor and discussed prep plan for the day. Started sampling at 0800. Workers set up critical barriers per ICR 5C-7.11 along with airlock. Workers established negative air per ICR 5C-7.8. Workers also put up signage per ICR 5C-7.4. Contractor started negative air at 1100. Contractor finished up for the day and left site. Took Final calibration and finished sampling at 1315. Finished paper work and left site 1330.

Craig Mikida
SIGNATURE

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ENVIRONMENTAL PROJECT DAILY REPORT

CLIENT/CONTACT: Tantara Corp. / Mark Lovejoy
PROJECT NAME/ADDRESS: Nike Missile BU-34/35 / 601 Willardshire Rd.
WORK AREA LOCATION: Silo #3
MATERIALS REMOVED: Pipe Insulation and Fittings
Associated debris and sediment

DATE: 06/25/18
S M T W TH F S
SET#: 3239
PROJECT TYPE: Asbestos
START TIME: 0730
END TIME: 1645
NUMBER OF SAMPLES: 7+2

CONTRACTOR: Allied
SUPERVISOR: Mark Maloney
NUMBER OF WORKERS ON-SITE: 4
RESPIRATORY PROTECTION REQUIRED: PAPR
RESPIRATORY PROTECTION USED BY CONTRACTOR: full face

SIENNA LICENSE POSTED: ✓
MONOMETER READING: _____AM _____PM
AIR MONITOR CERTIFICATIONS POSTED: ✓
PUMP LOCATIONS CHECKED: ✓
TECHNICIAN: Craig Mikida
PUMPS CALIBRATED: ✓
WORK AREA(S) SIZE: Large
VISUAL INSPECTION OK: NA
ENCLOSURE TYPE: NPE w/ glovebag, SSV-18-0656
WAITING PERIOD REQUIRED: NA

PHASE OF WORK: B P A C
AIR RESULTS REVIEWED/POSTED:
ANY HIGH LEVELS:

OSHA PERSONALS TAKEN: PE EX
AIR RESULTS REVIEWED:
ANY HIGH LEVELS:

NOTES: Arrived on site at 0730. Met with supervisor and discussed abatement plan for the day. Set up, calibrated pumps and began sampling at 0800. Workers began removing associated debris and sediment per SSV-18-0656. Entered work area and visually inspected removed sediment. Sediment removed per SSV-18-0656. Workers laid down drop cloth and started setting up glovebags around pipe insulation. Workers stripping away pipe insulation, spraying amended water and bagging waste per ICR 56-8.4. Took break. Workers continued to remove pipe insulation. Gross removal of pipe insulation complete. Contractor bagged waste, finished for the day and left site. Took final calibration and finished sampling at 1630. Finished paper work and left site.

Craig Mikida
SIGNATURE

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ENVIRONMENTAL PROJECT DAILY REPORT

CLIENT/CONTACT: Tantara Corp. / Mark Lovejoy
PROJECT NAME/ADDRESS: Nike Missile BU-34/35 / 601 Willardshire Rd.
WORK AREA LOCATION: Silo #3
MATERIALS REMOVED: Pipe Insulation and Fittings
Cementitious Pegboard

DATE: 06/26/18
S M T W TH F S
SET#: 3239
PROJECT TYPE: Asbestos
START TIME: 0745
END TIME:
NUMBER OF SAMPLES: 7+2

CONTRACTOR: Allied
SUPERVISOR: Mark Maloney
NUMBER OF WORKERS ON-SITE: 4
RESPIRATORY PROTECTION REQUIRED: PAPR
RESPIRATORY PROTECTION USED BY CONTRACTOR:

SIENNA LICENSE POSTED: ✓
AIR MONITOR CERTIFICATIONS POSTED: ✓
TECHNICIAN: Craig Mikida
WORK AREA(S) SIZE: Large
ENCLOSURE TYPE: NPE w/ glovebag. SSV-18-0656

MONOMETER READING: _____AM _____PM
PUMP LOCATIONS CHECKED: ✓
PUMPS CALIBRATED: ✓
VISUAL INSPECTION OK: NA
WAITING PERIOD REQUIRED: NA

PHASE OF WORK: B P A C
OSHA PERSONALS TAKEN: PE EX NA

AIR RESULTS REVIEWED/POSTED: NA
AIR RESULTS REVIEWED: NA
ANY HIGH LEVELS: NA
ANY HIGH LEVELS: NA

NOTES: Arrived on site at 0745. Met with supervisor and discussed abatement plan for the day. Set up, calibrated pumps and began sampling at 0800. Workers began scrubbing any remaining pipe insulation off pipes and removing peg board. Workers spraying amended water and bagging waste per ICR 56-8.4. Workers continued to remove pegboard. Took break. Workers continued to abate peg board per ICR 56-8.4. Contractor bagged waste, finished for the day and left site. Took final calibration and finished ~~sampling~~ at 1630. Finished paper work and left site.

Craig Mikida
SIGNATURE

808571
D.O.L. CERTIFICATION NUMBER

SIENNA ENVIRONMENTAL TECHNOLOGIES

350 Elmwood Ave. • Buffalo, NY 14222
P 716-332-3134 F 716.332.3136

ENVIRONMENTAL PROJECT DAILY REPORT

CLIENT/CONTACT: Tantara Corp. / Mark Lovejoy
DATE: 06/27/18
PROJECT NAME/ADDRESS: Nike Missile BU-34/35 / Col Willardshire Rd.
S M T W TH F S
WORK AREA LOCATION: Silo #3
SET#: 3239
MATERIALS REMOVED: Pipe Insulation and Fittings
Cementitious Pegboard
Light Fixtures and wire insulation
PROJECT TYPE: Asbestos
START TIME: 0745
END TIME: 1645
CONTRACTOR: Allied
SUPERVISOR: Mark Maloney
NUMBER OF WORKERS ON-SITE: 4
NUMBER OF SAMPLES: 12+2
RESPIRATORY PROTECTION REQUIRED: ~~BARRO~~ half
RESPIRATORY PROTECTION USED BY CONTRACTOR: half
SIENNA LICENSE POSTED: ✓
MONOMETER READING: _____AM _____PM
AIR MONITOR CERTIFICATIONS POSTED: ✓
PUMP LOCATIONS CHECKED: ✓
TECHNICIAN: Craig Milsida
PUMPS CALIBRATED: ✓
WORK AREA(S) SIZE: Large
VISUAL INSPECTION OK: NA
ENCLOSURE TYPE: NPE w/ glovebag, SSV-18-0656
WAITING PERIOD REQUIRED: 8 hours

PHASE OF WORK: B P A C
AIR RESULTS REVIEWED/POSTED: NA
ANY HIGH LEVELS: NA
OSHA PERSONALS TAKEN: PE EX NA
AIR RESULTS REVIEWED: NA
ANY HIGH LEVELS: NA

NOTES: Arrived on site at 0745. Met with supervisor and discussed abatement plan for the day. Contractor in accordance with SSV-18-0656 requested 5 IWA's along with regular OWA samples be ran today. Set up, calibrated pumps, and began sampling at 0800. Contractor plans to finish abatement and cleaning today and samples will be used for clearance. Workers began removing peg board and light fixtures. Workers spraying amended water and bagging waste per ICR 5C-8.4. Workers continued to remove peg board and wire insulation associated with light fixtures. Workers bagged out waste per ICR 5C-8.9. Took break. Workers finished abatement. Workers began cleaning per ICR 5C-9.1. Workers wet wiping and HEPA vacuuming any remaining debris. Workers finished cleaning and 8 hour waiting period began. Contractor finished for the day and left site. Took final calibration and finished sampling at 1630. Finished paper work and left site.

Craig Milsida
SIGNATURE

808571
D.O.L. CERTIFICATION NUMBER

SIENNA ENVIRONMENTAL TECHNOLOGIES

350 Elmwood Ave. • Buffalo, NY 14222
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ENVIRONMENTAL PROJECT DAILY REPORT

CLIENT/CONTACT: Tantara Corp. / Mark Lovejoy

PROJECT NAME/ADDRESS: Nike Missile BU-34/35/C01 Willardshire Rd.

WORK AREA LOCATION: Silo #4

MATERIALS REMOVED: None (prep day)

DATE: 06/28/18

S M T W TH F S

SET#: 3239

PROJECT TYPE: Asbestos

START TIME: 1000

END TIME: 1645

NUMBER OF SAMPLES: NA

CONTRACTOR: Allied

SUPERVISOR: Mark Maloney

NUMBER OF WORKERS ON-SITE: 4

RESPIRATORY PROTECTION REQUIRED: ~~half~~ none

RESPIRATORY PROTECTION USED BY CONTRACTOR: none ~~half~~

SIENNA LICENSE POSTED: ✓

MONOMETER READING: NA _____AM _____PM

AIR MONITOR CERTIFICATIONS POSTED: ✓

PUMP LOCATIONS CHECKED: ✓

TECHNICIAN: Craig Mikida

PUMPS CALIBRATED: ✓

WORK AREA(S) SIZE: Large

VISUAL INSPECTION OK: NA

ENCLOSURE TYPE: NPE w/ glovebag, SSV-18-0056

WAITING PERIOD REQUIRED: NA

PHASE OF WORK: B ~~B~~ A C

AIR RESULTS REVIEWED/POSTED: NA

ANY HIGH LEVELS: NA

OSHA PERSONALS TAKEN: PE EX NA

AIR RESULTS REVIEWED: NA

ANY HIGH LEVELS: NA

NOTES: Arrived on site at 1000. Talked with supervisor about prep plan for the day. Workers lowered equipment and neg air machines down into work area. Workers wrapped and removed gaskets per ICR SC-8.9. Workers also wrapped and removed light fixtures that could only be reached with an extension ladder. Contractor received an NEA for remaining work areas requiring only a half face respirator. Contractor finished work and left site. Finished paper work and left site.

Craig Mikida
SIGNATURE

808571
D.O.L. CERTIFICATION NUMBER

SIENNA ENVIRONMENTAL TECHNOLOGIES

350 Elmwood Ave. • Buffalo, NY 14222
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ENVIRONMENTAL PROJECT DAILY REPORT

CLIENT/CONTACT: Tantara Corp. / Mark Lovejoy

DATE: 06/28/18

PROJECT NAME/ADDRESS: Nike Missile BU-34/35 / 601 Willardshire Rd.

S M T W ~~TH~~ F S

WORK AREA LOCATION: Silo #3

SET#: 3239

MATERIALS REMOVED: Corrugated Pipe Insulation + Mudded Pipe Fittings
Gaskets
Cementitious Pegboard
Wire Insulation

PROJECT TYPE: Asbestos

START TIME: 0800

END TIME: 1200

CONTRACTOR: Allied

SUPERVISOR: Mark Maloney

NUMBER OF WORKERS ON-SITE: 4

NUMBER OF SAMPLES: 0

RESPIRATORY PROTECTION REQUIRED: half

RESPIRATORY PROTECTION USED BY CONTRACTOR: half

SIENNA LICENSE POSTED: ✓

MONOMETER READING: _____AM _____PM

AIR MONITOR CERTIFICATIONS POSTED: ✓

PUMP LOCATIONS CHECKED: NA

TECHNICIAN: Craig Mikida

PUMPS CALIBRATED: NA

WORK AREA(S) SIZE: Large

VISUAL INSPECTION OK: ✓

ENCLOSURE TYPE: NPE w/ glovebag, SSV-18-0C5C

WAITING PERIOD REQUIRED: NA

PHASE OF WORK: B P A ~~O~~

AIR RESULTS REVIEWED/POSTED: ✓

ANY HIGH LEVELS: NO

OSHA PERSONALS TAKEN: PE EX NA

AIR RESULTS REVIEWED: NA

ANY HIGH LEVELS: NA

NOTES: Arrived on site at 0800. Met with supervisor to Conduct Project Monitor Visual Inspection. Walked through work area and minimal debris visible and cleared immediately. Project Monitor Visual Inspection conducted per ICR 5C-9.1(d)(1) and ASTM standard E1368. Project Monitor Visual Inspection passed. Clearance samples passed at 0945 and work area ready for tear down. Contractor began to break down work area per ICR 5C-9.3. Neg air machines, equipment, and airlock removed from work area. Remaining light fixtures that were not accessible also removed. Asbestos signage taken down. Contractor finished for the day and left site. Finished paper work and left site.

Craig Mikida
SIGNATURE

808571
D.O.L. CERTIFICATION NUMBER

SIENNA ENVIRONMENTAL TECHNOLOGIES

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ENVIRONMENTAL PROJECT DAILY REPORT

CLIENT/CONTACT: Tantara Corp / Mark Love Jay
DATE: 7/9/18
PROJECT NAME/ADDRESS: Nike Missile BV-34/35 / 601 Willard Shireld Rd Aurora
S (M) T W TH F S
WORK AREA LOCATION: Silo #5
SET#: 3239
MATERIALS REMOVED:
PROJECT TYPE: ACM
START TIME: 0715
END TIME: 1345
CONTRACTOR: Allied
SUPERVISOR: Mark Maloney
NUMBER OF WORKERS ON-SITE: 3
NUMBER OF SAMPLES: 8 (6+2)
RESPIRATORY PROTECTION REQUIRED: 1/2 face
RESPIRATORY PROTECTION USED BY CONTRACTOR: 1/2 face
SIENNA LICENSE POSTED: Y
MONOMETER READING: N/A AM _____ PM
AIR MONITOR CERTIFICATIONS POSTED: Y
PUMP LOCATIONS CHECKED: Y
TECHNICIAN: Sean Fitzgerald
PUMPS CALIBRATED: Y
WORK AREA(S) SIZE: Large
VISUAL INSPECTION OK: N/A
ENCLOSURE TYPE: SSV-18-0656
WAITING PERIOD REQUIRED: 4 hr

PHASE OF WORK: B (P) A C
AIR RESULTS REVIEWED/POSTED:
ANY HIGH LEVELS:
OSHA PERSONALS TAKEN: ~~PE~~ EX
AIR RESULTS REVIEWED:
ANY HIGH LEVELS:

NOTES:

@0715
- Monitor onsite and meets w/ Tantara's Bob Foley; Signs in on sheet and awaits Allied to arrive
↳ Allied onsite @ 0745; Signs in at Tantara trailer
- Allied moves remote decon from Silo #3 to Silo #5
- Monitor sets up prep air samples; all samples running and calibrated by 0738
- Monitor meets w/ Supervisor Mark Maloney → Plans to finish prep of workarea in Silo #5, expects to be a shorter day
- Allied worker clear dirt/debris from stairway
↳ Allied lowers power cords down through hatch and attaches plywood w/ Neg. Air Exhaust Tubes
- Monitor checks pumps @ 0950, all running and in place
Allied hooks up negative air and all prep complete @ 1150
↳ Allied offsite @ 1245
- Monitor collects samples after proper volume collected and offsite

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09-11420
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SIENNA ENVIRONMENTAL TECHNOLOGIES

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ENVIRONMENTAL PROJECT DAILY REPORT

CLIENT/CONTACT: Tantara Corp / Mark Lovejoy
DATE: 7/10/18

PROJECT NAME/ADDRESS: Nike Missile Silo BU 34/35 - Aurora, NY
S M (T) W TH F S

WORK AREA LOCATION: Silo #5
SET#: 3239

MATERIALS REMOVED: ~~Aircell Pipe Insulation~~
~~Mudded Elbows~~
Corrugated Pipe Insulation
Mudded pipe fittings
PROJECT TYPE: ACM

START TIME: 0730

END TIME: 1615

CONTRACTOR: Allied
SUPERVISOR: Mark Maloney

NUMBER OF WORKERS ON-SITE:

NUMBER OF SAMPLES: 7+2

RESPIRATORY PROTECTION REQUIRED: 1/2 face
RESPIRATORY PROTECTION USED BY CONTRACTOR: 1/2 face

SIENNA LICENSE POSTED: Y
MONOMETER READING: -0.19 AM ____ PM

AIR MONITOR CERTIFICATIONS POSTED: Y
PUMP LOCATIONS CHECKED: Y

TECHNICIAN: Sean Fitzgerald
PUMPS CALIBRATED: Y

WORK AREA(S) SIZE: Large
VISUAL INSPECTION OK: [redacted]

ENCLOSURE TYPE: ESU - 18-0656
WAITING PERIOD REQUIRED: N/A

PHASE OF WORK: B P (A) C
AIR RESULTS REVIEWED/POSTED:
ANY HIGH LEVELS:

OSHA PERSONALS TAKEN: ~~PE EX~~
AIR RESULTS REVIEWED:
ANY HIGH LEVELS:

NOTES: -Monitor onsite @ 0730 and signs in at Tantara trailer
-Monitor sets up work in progress air samples for Silo #5
↳ All pumps set up and calibrated by 0750
-Allied onsite @ 745; Opens decon.
↳ Allied to start abatement of corrugated pipe insulation and mudded pipe fittings.
-Monitor checks pumps @ 0900 → all o.k. in place and running.
-Monitor dons PPE, signs entry log, and enters Silo #5 work area @ 0930 → observes workers w/ PPE on and setting up and removing corrugated pipe insulation using proper glovebag procedures, utilized drop clothes
-Monitor exits work area and decons out
- Monitor checks pumps @ 1130 → ok and in place
-Allied decons out of area and goes to lunch @ 1250 → back onsite @ 1330

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09-11420
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ENVIRONMENTAL TECHNOLOGIES
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ENVIRONMENTAL PROJECT DAILY REPORT CONTINUATION SHEET

CLIENT/CONTACT: Tantara Corp / Mark Lovejoy	DATE: 7/10/18
PROJECT NAME/ADDRESS: Nike Missile BU 34/35 Aurora, NY	S M (T) W TH F S
WORK AREA LOCATION: Silo #5	SET#: 3239
	PROJECT TYPE: ACM

- Allied dons PPE and continues abatement of corrugated pipe insulation and mudded elbows @ 1445
- Monitor dons PPE and enters work area to check progress of ~~dd~~ abatement → all o.k. ~ 15 LF left to abate → Allied setting up glovebags.
- Allied exits work area → Supervisor tells monitor that pipe is all abated, locks decon and offsite @ 1600
- Monitor collects working progress air samples, finishes paperwork and offsite @ 1615.

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09-11420
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ENVIRONMENTAL PROJECT DAILY REPORT

CLIENT/CONTACT: Tantara Corp / Mark Lovejoy
DATE: 7/11/18
PROJECT NAME/ADDRESS: Nike Missile Silo BU34/35-60 Willardshire Avenue
M T (W) TH F S
WORK AREA LOCATION: Silo #5
SET#: 3239
MATERIALS REMOVED: Cementitious Pegboard
Light Fixture Wire Insulation
PROJECT TYPE: ACM
START TIME: 0730
END TIME:
CONTRACTOR: Allied
SUPERVISOR: Mark Maloney
NUMBER OF WORKERS ON-SITE:
NUMBER OF SAMPLES: 7+2
RESPIRATORY PROTECTION REQUIRED: ½ face
RESPIRATORY PROTECTION USED BY CONTRACTOR:
SIENNA LICENSE POSTED: Y
MONOMETER READING: _____AM _____PM
AIR MONITOR CERTIFICATIONS POSTED: Y
PUMP LOCATIONS CHECKED: Y
TECHNICIAN: S. Fotzgerald
PUMPS CALIBRATED: Y
WORK AREA(S) SIZE: Large
VISUAL INSPECTION OK: N/A
ENCLOSURE TYPE: SSV 18-0656
WAITING PERIOD REQUIRED: N/A

PHASE OF WORK: B P (A) C
AIR RESULTS REVIEWED/POSTED: Y
ANY HIGH LEVELS: No
OSHA PERSONALS TAKEN: ~~PE EX~~
AIR RESULTS REVIEWED: N/A
ANY HIGH LEVELS: N/A

NOTES:
- Monitor onsite @ 0730, Signs in at Tantara trailer → Monitor sets up work in progress air samples for Silo #5 → All ~~samplers~~ pumps calibrated and running by 0741
- Allred onsite @ 0755 and signs in at Tantara trailer, opens decon, and enters work area to continue abatement
↳ Allred to start Cementitious pegboard removal ↓ Will bag out Pipelns, as well
- Monitor checks pumps @ 0910 → all running and in place
- Allred bags out friable pipe insulation to Hard Top Dumpster
↳ All bags labelled and double bagged
- Monitor checks pumps @ 1110 → all o.k.
- Allred takes lunch and offsite @ 1220 → 1330, enters work area @ 1355.
- Monitor enters work area @ 1410 → Workers removing Cementitious Pegboard and light fixture wire insulation
↳ Allied should be finished with removal & clear by tomorrow.

SIGNATURE

09-11420
D.O.L. CERTIFICATION NUMBER

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ENVIRONMENTAL PROJECT DAILY REPORT CONTINUATION SHEET

NT/CONTACT: Tantara / Mark Lovejoy	DATE: 7/11/18
PROJECT NAME/ADDRESS: Nike Missile BU 34/35	S M T (W) TH F S
WORK AREA LOCATION: S/O #5	SET#: 3239
	PROJECT TYPE: ACM

- Monitor checks pumps @ 1440 all o.k. and running
- Allied out of work area @ 1600 and done for day. Will finish removal & cleaning tomorrow → offsite @
- Monitor collects air samples, equipment, & finishes paperwork → offsite to lab w/ samples

SIGNATURE

09-11420
D.O.L. CERTIFICATION NUMBER

SIENNA ENVIRONMENTAL TECHNOLOGIES

350 Elmwood Ave. • Buffalo, NY 14222
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ENVIRONMENTAL PROJECT DAILY REPORT

CLIENT/CONTACT: Tantara Corp / Mark Lovejoy
DATE: 7/12/18
PROJECT NAME/ADDRESS: Nike Missile BU 34/35 - 604 Willardshire Aurora NY
S M T W (TH) F S
WORK AREA LOCATION: Silo #5
SET#: 3239
MATERIALS REMOVED: Cementitious Pegboard
Light Fixture Wire Insulation
PROJECT TYPE: ACM
START TIME: 0730
END TIME: 1500
CONTRACTOR: Allied
SUPERVISOR: Mark Maloney
NUMBER OF WORKERS ON-SITE: 4
NUMBER OF SAMPLES: 12+2
RESPIRATORY PROTECTION REQUIRED: Full Face ~~Half Face~~
RESPIRATORY PROTECTION USED BY CONTRACTOR: Full-Face & Half Face
SIENNA LICENSE POSTED: Y
MONOMETER READING: _____ AM _____ PM
AIR MONITOR CERTIFICATIONS POSTED: Y
PUMP LOCATIONS CHECKED: Y
TECHNICIAN: Sean Fitzgerald
PUMPS CALIBRATED: Y
WORK AREA(S) SIZE: Large
VISUAL INSPECTION OK:
ENCLOSURE TYPE: SSV 18-0656
WAITING PERIOD REQUIRED: 12 hours

PHASE OF WORK: B P (A) (C)
AIR RESULTS REVIEWED/POSTED: Y
ANY HIGH LEVELS: No
OSHA PERSONALS TAKEN: ~~PE~~ EX
AIR RESULTS REVIEWED: N/A
ANY HIGH LEVELS: N/A

NOTES: -Monitor onsite @ 0730 and signs in at Tantara Trailer
-Monitor sets up work in progress samples for Silo #5
-Allied onsite @ 0800 and opens up decon @ 0830
-Monitor dons PPE and enters work area to set up Inside Work Area samples per SSV 18-0656 for clearance
-Allied dons PPE and enters work area @ 0900 to continue abatement of Cementitious Pegboard & Wire Insulation → then will clean work area
-Monitor checks OWA samples @ 1030 all o.k.
→ Spoke w/ Supervisor → Allied finished abatement and will bag out and decon out all tools & equipment
-Allied bags out all waste from Silo #5 Work Area (Non-Friable)
-Allied goes to lunch @ 1240 back onsite. → Monitor enters work area and checks work area cleanliness → o.k. Allied out of work area
→ Sienna picks up all air samples and finishes paperwork.
-Allied offsite, Monitor offsite @ 1500

SIGNATURE

09-114120
D.O.L. CERTIFICATION NUMBER

SIENNA ENVIRONMENTAL TECHNOLOGIES

350 Elmwood Ave. • Buffalo, NY 14222
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ENVIRONMENTAL PROJECT DAILY REPORT

CLIENT/CONTACT: Tantara Corp. / Mark Lovejoy	DATE: 07/10/18
PROJECT NAME/ADDRESS: Nike Missile BU-34/35 / 601 Willardshire Rd.	S M T W TH F S
WORK AREA LOCATION: Silo #5	SET#: 3239
MATERIALS REMOVED: None (clearances)	PROJECT TYPE: Asbestos
	START TIME: 0730
	END TIME: 1445
CONTRACTOR: Allied / SUPERVISOR: Mark Maloney	NUMBER OF SAMPLES: 12+2
NUMBER OF WORKERS ON-SITE: 3	
RESPIRATORY PROTECTION REQUIRED: half	RESPIRATORY PROTECTION USED BY CONTRACTOR: none
SIENNA LICENSE POSTED: ✓	MONOMETER READING: ____AM ____PM
AIR MONITOR CERTIFICATIONS POSTED: ✓	PUMP LOCATIONS CHECKED: ✓
TECHNICIAN: Craig Mikida	PUMPS CALIBRATED: ✓
WORK AREA(S) SIZE: Large	VISUAL INSPECTION OK: ✓
ENCLOSURE TYPE: NPE w/ glovebag, SSV-18-0656	WAITING PERIOD REQUIRED: NA

PHASE OF WORK: B P A ✓	AIR RESULTS REVIEWED/POSTED: ✓	ANY HIGH LEVELS: Yes
OSHA PERSONALS TAKEN: PE EX NA	AIR RESULTS REVIEWED: NA	ANY HIGH LEVELS: NA

NOTES: Arrived on site at 0730. Met with supervisor and discussed that previous work in progress samples failed. Workers began recleaning per ICR 5C-9.2(g)11. Workers sprayed water in stairwell to minimize dusty conditions. Conducted Project Monitor Visual Inspection per ICR 5C-9.1(d)(1) and ASTM E1368. Project Monitor Visual Inspection passed. Set up pumps and began sampling at 0830. Started paper work. Contractor began moving equipment over to silo #4. Took break. Contractor left site. Took final calibration and finished sampling at 1430. Finished paper work and left site.

Craig Mikida
SIGNATURE

18-50360
D.O.L. CERTIFICATION NUMBER

SIENNA ENVIRONMENTAL TECHNOLOGIES

350 Elmwood Ave. • Buffalo, NY 14222
P 716-332.3134 F 716.332.3136

ENVIRONMENTAL PROJECT DAILY REPORT

CLIENT/CONTACT: Tantara Corp. / Mark Lovejoy

PROJECT NAME/ADDRESS: Nike Missile BU-34/35 / 601 Willardshire Rd.

WORK AREA LOCATION: Silo #4 → Silo #1

MATERIALS REMOVED: None (prep day)

DATE: 07/17/18

S M T W TH F S

SET#: 3239

PROJECT TYPE: Asbestos

START TIME: 0730

END TIME: 1530

NUMBER OF SAMPLES: 6+2

CONTRACTOR: Allied

SUPERVISOR: Mark Maloney

NUMBER OF WORKERS ON-SITE: 3

RESPIRATORY PROTECTION REQUIRED: half

RESPIRATORY PROTECTION USED BY CONTRACTOR: none

SIENNA LICENSE POSTED: ✓

MONOMETER READING: _____AM _____PM

AIR MONITOR CERTIFICATIONS POSTED: ✓

PUMP LOCATIONS CHECKED: ✓

TECHNICIAN: Craig Mikida

PUMPS CALIBRATED: ✓

WORK AREA(S) SIZE: Large

VISUAL INSPECTION OK: NA

ENCLOSURE TYPE: NPE w/ glovebag, SSV-18-0656

WAITING PERIOD REQUIRED: 4 hours

PHASE OF WORK: B **A** C

AIR RESULTS REVIEWED/POSTED: ✓

ANY HIGH LEVELS: No

OSHA PERSONALS TAKEN: PE EX NA

AIR RESULTS REVIEWED: NA

ANY HIGH LEVELS: NA

NOTES: Arrived on site at 0730. Met with supervisor and discussed that clearance samples passed. Workers began tearing down work area per ICR 56-9.3. Contractor began prepping silo #4. Remote decon moved on site per ICR 56-7.5. Workers began setting up airlock and negative air. Set up pumps and began sampling at 0900. Took break. Silo #5 elevator door caved in and Tantara deemed silo #4 unsafe to work in. Contractor began prepping silo #1. Remote decon moved on site per ICR 56-7.5. Workers began setting up airlocks and negative air. Negative air established per ICR 56-7.8. Took final calibration and finished sampling at 1430. Contractor finished for the day and left site. Workers also applied critical barrier per ICR 56-7.11 over hard wall barrier around elevator doors. Finished paper work and left site at 1530.

Craig Mikida
SIGNATURE

18-50360
D.O.L. CERTIFICATION NUMBER

SIENNA ENVIRONMENTAL TECHNOLOGIES

350 Elmwood Ave. • Buffalo, NY 14222
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ENVIRONMENTAL PROJECT DAILY REPORT

CLIENT/CONTACT: Tantara Corp / Mark Lovejoy

PROJECT NAME/ADDRESS: Nike Missile BU-34/35/C01 Willardshire Rd.

WORK AREA LOCATION: Silo #1

MATERIALS REMOVED: Pipe Insulation and Fittings + associated sediment

DATE: 07/18/18

S M T (W) TH F S

SET#: 3239

PROJECT TYPE: Asbestos

START TIME: 0745

END TIME: 1630

NUMBER OF SAMPLES: 7+2

CONTRACTOR: Allied

SUPERVISOR: Mark Maloney

NUMBER OF WORKERS ON-SITE: 4

RESPIRATORY PROTECTION REQUIRED: half

RESPIRATORY PROTECTION USED BY CONTRACTOR: half

SIENNA LICENSE POSTED: ✓

MONOMETER READING: _____AM _____PM

AIR MONITOR CERTIFICATIONS POSTED: ✓

PUMP LOCATIONS CHECKED: ✓

TECHNICIAN: Craig Mikida

PUMPS CALIBRATED: ✓

WORK AREA(S) SIZE: Large

VISUAL INSPECTION OK: NA

ENCLOSURE TYPE: NPE w/ glovebag, SSV-18-0656

WAITING PERIOD REQUIRED: NA

PHASE OF WORK: B P (A) C

AIR RESULTS REVIEWED/POSTED: ✓

ANY HIGH LEVELS: No

OSHA PERSONALS TAKEN: PE EX NA

AIR RESULTS REVIEWED: NA

ANY HIGH LEVELS: NA

NOTES: Arrived on site at 0745. Met with supervisor and discussed abatement plan for the day. Set up pumps and started samples at 0830. Contractor set up barrier tape per ICR 5C-7.4. Workers donned PPE per ICR 5C-7.6 and began abatement. Workers removed sediment where pipe insulation debris had fallen. Workers began setting up glovebags per ICR 56-8.4. Workers began stripping pipe insulation, spraying amended water, and bagging waste. Took break. Contractor continued abatement per ICR 5C-8.4. Gross removal of pipe insulation complete. Took final calibration and finished sampling at 1630. Contractor finished for the day and left site at 1630. Finished paper work and left site at 1630.

Craig Mikida
SIGNATURE

18-50360
D.O.L. CERTIFICATION NUMBER

SIENNA ENVIRONMENTAL TECHNOLOGIES

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ENVIRONMENTAL PROJECT DAILY REPORT

CLIENT/CONTACT: Tantara Corp. / Mark Lovejoy	DATE: 07/19/18
PROJECT NAME/ADDRESS: Nike Missile BU-34/35 / 601 Willardshire Rd.	S M T W TH F S
WORK AREA LOCATION: Silo #1	SET#: 3239
MATERIALS REMOVED: Cementitious Pegboard	PROJECT TYPE: Asbestos
	START TIME: 0730
	END TIME: 1600
CONTRACTOR: Allied / SUPERVISOR: Mark Maloney	NUMBER OF SAMPLES: 7+2
NUMBER OF WORKERS ON-SITE: 3	
RESPIRATORY PROTECTION REQUIRED: half / RESPIRATORY PROTECTION USED BY CONTRACTOR: half	

SIENNA LICENSE POSTED: ✓	MONOMETER READING: _____AM _____PM
AIR MONITOR CERTIFICATIONS POSTED: ✓	PUMP LOCATIONS CHECKED: ✓
TECHNICIAN: Craig Mikida	PUMPS CALIBRATED: ✓
WORK AREA(S) SIZE: Large	VISUAL INSPECTION OK: NA
ENCLOSURE TYPE: NPE w/ glovebag, SSV-18-0056	WAITING PERIOD REQUIRED: NA

PHASE OF WORK: B P (A) C	AIR RESULTS REVIEWED/POSTED: ✓	ANY HIGH LEVELS: No
OSHA PERSONALS TAKEN: PE EX NA	AIR RESULTS REVIEWED: NA	ANY HIGH LEVELS: NA

NOTES: Arrived on site at 0730. Met with supervisor and discussed abatement plan for the day. Set up pumps and began sampling at 0830. Workers began removing cementitious pegboard, spraying amended water, and bagging waste per ICR 56-8.4. Workers continued to remove pegboard. Took break. Contractor continued to abate pegboard per ICR 56-8.4. Workers began bagging out waste per ICR 56-8.9. Contractor finished for the day and left site at 1600. Took final calibration and finished sampling at 1530. Finished paperwork and left site at 1600.

Craig Mikida
SIGNATURE

18-50360
D.O.L. CERTIFICATION NUMBER

SIENNA ENVIRONMENTAL TECHNOLOGIES

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ENVIRONMENTAL PROJECT DAILY REPORT

CLIENT/CONTACT: Tantara Corp. / Mark Lovejoy

DATE: 07/23/18

PROJECT NAME/ADDRESS: Nike Missile BU-34/35 / 601 Willardshire Rd.

S M T W TH F S

WORK AREA LOCATION: Silo #1

SET#: 3239

MATERIALS REMOVED: Corrugated Pipe Insulation and Mudded Pipe Fittings + sediment/debris
Cementitious Pegboard
Gaskets
Light Fixtures and Wire Insulation

PROJECT TYPE: Asbestos

START TIME: 0730

END TIME: 1630

CONTRACTOR: Allied

SUPERVISOR: Mark Maloney

NUMBER OF WORKERS ON-SITE: 4

NUMBER OF SAMPLES: 12 + 2

RESPIRATORY PROTECTION REQUIRED: half

RESPIRATORY PROTECTION USED BY CONTRACTOR: half

SIENNA LICENSE POSTED: ✓

MONOMETER READING: _____AM _____PM

AIR MONITOR CERTIFICATIONS POSTED: ✓

PUMP LOCATIONS CHECKED: ✓

TECHNICIAN: Craig Mikida

PUMPS CALIBRATED: ✓

WORK AREA(S) SIZE: Large

VISUAL INSPECTION OK: NA

ENCLOSURE TYPE: NPE w/ glovebag, SSV-18-0656

WAITING PERIOD REQUIRED: 8 hours

PHASE OF WORK: B P (A) C

AIR RESULTS REVIEWED/POSTED: ✓

ANY HIGH LEVELS: No

OSHA PERSONALS TAKEN: PE EX NA

AIR RESULTS REVIEWED: NA

ANY HIGH LEVELS: NA

NOTES: Arrived on site at 0730. Met with supervisor and discussed abatement plan for the day. Set up pumps and began work in progress clearance samples at 0830. Workers began removing cementitious pegboard and light fixtures. Contractor bagging waste per ICR 56-8.4. Workers continued to remove lights and cut out asbestos wire insulation. Gross removal of all ACM complete. Workers bagged out waste per ICR 56-8.9. Entered work area at 1100 and saw minimal amounts of pegboard and pipe insulation remaining. Took break. Contractor returned and began scrubbing pipes and removing left over pieces of pegboard around nails. Work area appears to be clear of all ACM. Visual Inspection to be conducted 07/25/18. Contractor left site. Took final calibration and finished sampling at 1630. Finished paper work and left site.

Craig Mik
SIGNATURE

18-50360
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PAGE 1 OF 1

SIENNA ENVIRONMENTAL TECHNOLOGIES

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ENVIRONMENTAL PROJECT DAILY REPORT

DATE: 07/25/18 JOB # 3239 PROJECT TYPE: Asbestos PAGE 1 OF 1 :

CLIENT/CONTACT: Tantara Corp. / Mark Lovejoy

PROJECT NAME/ADDRESS: Nike Missile BU-34/35/C01 Willardshire Rd.

START TIME: 0730

WORK AREA LOCATION: Silo #4

☐ PIPE INSULATION ☐ FIREPROOFING ☐ CAULK ☐ FLOOR TILE ☐ MASTIC

MATERIALS REMOVED: ☐ BOILER/TANK INSULATION ☐ TRANSITE ☐ DRYWALL/PLASTER ☐ ROOFING

☐ OTHER None (prep day)

END TIME: 1600

CONTRACTOR: Allied SUPERVISOR: Mark Maloney

AIR MONITOR: Craig Mikida TECHNICIAN: Craig Mikida

PROJECT MONITOR (IF APPLICABLE): Craig Mikida

SIENNA LICENSE POSTED ✓	NUMBER OF SAMPLES REQUIRED 6+2
AIR MONITOR CERTIFICATIONS POSTED ✓	PUMP LOCATIONS CHECKED ✓
PERSONAL SAFETY EQUIPMENT ✓	PUMPS CALIBRATED ✓
WORK AREA(S) SIZE Large	VISUAL INSPECTION OK ✓
ENCLOSURE TYPE NPE w/ glovebag, SSV-18-0656	WAITING PERIOD REQUIRED 4 hours

PHASE OF WORK B ~~D~~ A C	AIR RESULTS REVIEWED ✓	ANY HIGH LEVELS No
OSHA PERSONALS TAKEN PE EX NA	AIR RESULTS REVIEWED NA	ANY HIGH LEVELS NA

NOTES: Arrived on site at 0730. Met with supervisor and conducted Project Monitor Visual Inspection per ICR 56-9.1(d)(1) and ASTM E1368. Project Monitor Visual Inspection passed for Silo #1. Contractor began teardown per ICR 56-9.3. Workers began prepping Silo #4. Set up pumps and began sampling at 0830. Remote decon moved on site per ICR 56-7.5. Barrier tape and signage installed per ICR 56-7.4. Steve (Sienna) arrived on site at 0945 and conducted safety walkthrough. Steve left 1045. Contractor lowered equipment into Silo #4 and began setting up critical barriers, airlock, and negative air. Took break. Workers applied poly over hardwall barrier surrounding elevator doors. Workers secured airlock. Critical barriers and airlock installed per ICR 56-7.11. Contractor established negative air per ICR 56-7.8. Contractor left site. Took final calibration and finished sampling at 1530. Finished paper work and left site.

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ENVIRONMENTAL PROJECT DAILY REPORT

CLIENT/CONTACT: Tantara Corp. / Mark Lovejoy
DATE: 07/26/18
PROJECT NAME/ADDRESS: Nike Missile BU-34/35/601 Willardshire Rd.
S M T W TH F S
WORK AREA LOCATION: Silo #4
SET#: 3239
MATERIALS REMOVED: Pipe Insulation and Mudded Fittings + sediment
PROJECT TYPE: Asbestos
START TIME: 0730
END TIME: 1630
CONTRACTOR: Allied
SUPERVISOR: Mark Maloney
NUMBER OF WORKERS ON-SITE: 3
NUMBER OF SAMPLES: 7+2
RESPIRATORY PROTECTION REQUIRED: half
RESPIRATORY PROTECTION USED BY CONTRACTOR: half
SIENNA LICENSE POSTED: ✓
MONOMETER READING: _____AM _____PM
AIR MONITOR CERTIFICATIONS POSTED: ✓
PUMP LOCATIONS CHECKED: ✓
TECHNICIAN: Craig Mikida
PUMPS CALIBRATED: ✓
WORK AREA(S) SIZE: Large
VISUAL INSPECTION OK: NA
ENCLOSURE TYPE: NPE w/ glovebag, SSV-18-0656
WAITING PERIOD REQUIRED: NA

PHASE OF WORK: B P A C
AIR RESULTS REVIEWED/POSTED: ✓
ANY HIGH LEVELS: No
OSHA PERSONALS TAKEN: PE EX NA
AIR RESULTS REVIEWED: NA
ANY HIGH LEVELS: NA

NOTES: Arrived on site at 0730. Met with supervisor and discussed abatement plan for the day. Set up pumps and began sampling at 0830. Contractor began removing any sediment that contained pipe insulation debris. Workers laid down drop cloths and began setting up glovebags. Workers began stripping pipe insulation and bagging waste per ICR 56-8.4. Took break. Contractor continued to remove pipe insulation. Workers scraping and scrubbing pipe where leftover insulation remained. Gross removal of pipe insulation and mudded pipe fittings complete. Workers cleaned up. Contractor left for the day. Took final calibration and finished sampling at 1630. Finished paper work and left site.

Craig Mikida
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18-50360
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ENVIRONMENTAL PROJECT DAILY REPORT

CLIENT/CONTACT: Tantara Corp. / Mark Lovejoy
DATE: 07/30/18
PROJECT NAME/ADDRESS: Nike Missile BU-34/35 / 601 Willardshire Rd.
S M T W TH F S
WORK AREA LOCATION: Silo 4
SET#: 3239
MATERIALS REMOVED: Cementitious Pegboard
PROJECT TYPE: Asbestos
START TIME: 0730
END TIME: 1630
CONTRACTOR: Allied
SUPERVISOR: Mark Maloney
NUMBER OF WORKERS ON-SITE: 4
NUMBER OF SAMPLES: 7+2
RESPIRATORY PROTECTION REQUIRED: half
RESPIRATORY PROTECTION USED BY CONTRACTOR: half
SIENNA LICENSE POSTED: ✓
MONOMETER READING: _____AM _____PM
AIR MONITOR CERTIFICATIONS POSTED: ✓
PUMP LOCATIONS CHECKED: ✓
TECHNICIAN: Craig Mikida
PUMPS CALIBRATED: ✓
WORK AREA(S) SIZE: Large
VISUAL INSPECTION OK: NA
ENCLOSURE TYPE: NPE w/ glovebag, SSV-18-0656
WAITING PERIOD REQUIRED: NA

PHASE OF WORK: B P (A) C
AIR RESULTS REVIEWED/POSTED: ✓
ANY HIGH LEVELS: No
OSHA PERSONALS TAKEN: PE EX NA
AIR RESULTS REVIEWED: NA
ANY HIGH LEVELS: NA

NOTES: Arrived on site at 0730. Met with supervisor and discussed abatement plan for the day. Set up pumps and began sampling at 0830. Contractor began removing pegboard. Workers prying off pegboard and bagging waste per ICR 56-8.4. Took break. Workers continued to abate pegboard. Workers also scrubbing pipes and removing any minimal pipe insulation. Workers wearing PPE per ICR 56-7.5. Workers cleaning work area and bagging waste. Contractor finished for the day and left site. Took final calibration and finished sampling at 1630. Finished paper work and left site.

Craig Mikida
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18-50360
D.O.L. CERTIFICATION NUMBER

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ENVIRONMENTAL PROJECT DAILY REPORT

CLIENT/CONTACT: Tantara Corp. / Mark Lovejoy
DATE: 07/31/18
PROJECT NAME/ADDRESS: Nike Missile BU-34/35/601 Willardshire Rd.
S M T W TH F S
WORK AREA LOCATION: Silo 4
SET#: 3239
MATERIALS REMOVED: Wire Insulation + Light Fixtures
Cementitious Pegboard
PROJECT TYPE: Asbestos
START TIME: 0730
END TIME: 1600
CONTRACTOR: Allied
SUPERVISOR: Mark Maloney
NUMBER OF WORKERS ON-SITE: 3
NUMBER OF SAMPLES: 12+2
RESPIRATORY PROTECTION REQUIRED: half
RESPIRATORY PROTECTION USED BY CONTRACTOR: half
SIENNA LICENSE POSTED: ✓
MONOMETER READING: _____AM _____PM
AIR MONITOR CERTIFICATIONS POSTED: ✓
PUMP LOCATIONS CHECKED: ✓
TECHNICIAN: Craig Mikida
PUMPS CALIBRATED: ✓
WORK AREA(S) SIZE: Large
VISUAL INSPECTION OK: NA
ENCLOSURE TYPE: NPE w/ glovebag, SSV-18-0656
WAITING PERIOD REQUIRED: 8 hours

PHASE OF WORK: B P A C
AIR RESULTS REVIEWED/POSTED: ✓
ANY HIGH LEVELS: No
OSHA PERSONALS TAKEN: PE EX NA
AIR RESULTS REVIEWED: NA
ANY HIGH LEVELS: NA

NOTES: Arrived on site at 0730. Met with supervisor and discussed abatement plan for the day. Set up pumps and began work in progress clearance samples at 0830. Contractor began removing light fixtures and wire insulation. Workers knocking off lights, clipping wires and bagging waste per ICR 56-8.4. Workers also finishing abating pegboard. Gross removal of all ACM complete. Took break. Found evidence of pegboard pieces sifting through water and debris, pipe insulation on top of wall structures and light fixtures on ground. Contractor cleaned work area. Work area ready for visual inspection after 8 hour waiting period. Workers bagged out waste per ICR 56-8.9. Contractor finished work for the day. Took final calibration and finished sampling at 1530. Discussed SSV-18-5036C with supervisor about exterior work that will begun tomorrow. Finished paper work and left site.

Craig Mikida
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18-5036C
D.O.L. CERTIFICATION NUMBER

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ENVIRONMENTAL PROJECT DAILY REPORT

CLIENT/CONTACT: Tantara Corp. / Mark Lovejoy
PROJECT NAME/ADDRESS: Nike Missile BU-34/35/601 Willardshire Rd.
WORK AREA LOCATION: Silo 4 Exterior
MATERIALS REMOVED: Cementitious Pipe

DATE: 08/01/18
S M T W TH F S
SET#: 3239
PROJECT TYPE: Asbestos
START TIME: 0730
END TIME: 1700
NUMBER OF SAMPLES: 7+2

CONTRACTOR: Allied
SUPERVISOR: Mark Maloney
NUMBER OF WORKERS ON-SITE: 3
RESPIRATORY PROTECTION REQUIRED: half
RESPIRATORY PROTECTION USED BY CONTRACTOR: half

SIENNA LICENSE POSTED: ✓
MONOMETER READING: NA _____AM _____PM
AIR MONITOR CERTIFICATIONS POSTED: ✓
PUMP LOCATIONS CHECKED: ✓
TECHNICIAN: Craig Milkida
PUMPS CALIBRATED: ✓
WORK AREA(S) SIZE: Large
VISUAL INSPECTION OK: ✓
ENCLOSURE TYPE: SSV-18-0656
WAITING PERIOD REQUIRED: NA

PHASE OF WORK: B P A C
AIR RESULTS REVIEWED/POSTED: ✓
ANY HIGH LEVELS: No
OSHA PERSONALS TAKEN: PE EX NA
AIR RESULTS REVIEWED: NA
ANY HIGH LEVELS: NA

NOTES: Arrived on site at 0730. Met with supervisor and conducted visual inspection. Project Monitor Visual Inspection conducted per ICR 56-9.1(d)(1) and ASTM E1368. Project Monitor Visual Inspection passed. Herc Rentals arrived on site and delivered excavator to Allied. Contractor set up barrier tape per ICR 56-7.4 for exterior work. Woodsmith Fence arrived on site and installed chainlink fence around silo 4. 1000 clearance samples passed for silo 4 interior. Set up pumps and began sampling at 1000 for silo 4 exterior work. Contractor pulled equipment, neg air machines, and air lock out of Silo 4. Decon stayed on site for Silo 4 exterior work. Workers began exploratory dig to try to locate cementitious pipe. Excavator broke. Herc Rentals arrived on site to fix machine. Took break. Workers returned and continued exploratory digging. Contractor not wearing PPE or using water and Tantara workers on site helping locate pipe. Told Allied PPE and water needs to be used when they are digging and told Tantara they are not allowed in barrier tape work area. Workers located pipe. Workers began removing

Craig Milkida
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18-50360
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ENVIRONMENTAL PROJECT DAILY REPORT CONTINUATION SHEET

ENT/CONTACT: Tantara Corp / Mark Lovejoy	DATE: 08/01/18
PROJECT NAME/ADDRESS: 601 Willardshire Rd. / Nike Missile BU-34/35	S M T W TH F S
WORK AREA LOCATION: Silo 4 Exterior	SET#: 3239
	PROJECT TYPE: Asbestos

Sections of cementitious pipe and double wrapping it in poly. Contractor finished for the day and left site. Took final calibration and finished sampling at 1700. Finished paper work and left site.

Craig Mahan
SIGNATURE

18-50360
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PAGE 2 OF 2

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ENVIRONMENTAL PROJECT DAILY REPORT

CLIENT/CONTACT: Tantara Corp. / Mark Lovejoy
DATE: 08/02/18
PROJECT NAME/ADDRESS: Nike Missile BU-34/35 / 601 Willardshire Rd.
S M T W TH F S
WORK AREA LOCATION: Silo 4 Exterior
SET#: 3239
MATERIALS REMOVED: Cementitious Pipe
PROJECT TYPE: Asbestos
START TIME: 0730
END TIME: 1630
CONTRACTOR: Allied
SUPERVISOR: Mark Maloney
NUMBER OF WORKERS ON-SITE: 3
NUMBER OF SAMPLES: 7+2
RESPIRATORY PROTECTION REQUIRED: half
RESPIRATORY PROTECTION USED BY CONTRACTOR: half
SIENNA LICENSE POSTED: ✓
MONOMETER READING: NA _____AM _____PM
AIR MONITOR CERTIFICATIONS POSTED: ✓
PUMP LOCATIONS CHECKED: ✓
TECHNICIAN: Craig Milkida
PUMPS CALIBRATED: ✓
WORK AREA(S) SIZE: Large
VISUAL INSPECTION OK: ✓
ENCLOSURE TYPE: SSV-18-0656
WAITING PERIOD REQUIRED: NA

PHASE OF WORK: B P ~~A~~ C
AIR RESULTS REVIEWED/POSTED: ✓
ANY HIGH LEVELS: No
OSHA PERSONALS TAKEN: PE EX NA
AIR RESULTS REVIEWED: NA
ANY HIGH LEVELS: NA

NOTES: Arrived on site at 0730. Met with supervisor and discussed abatement plan for the day. Set up pumps and began sampling at 0830. Contractor brought moving truck on site and loaded equipment, neg air machines, and air lock. Workers started excavating pipe, breaking into sections, spraying water, and double wrapping ACM. Workers properly wearing PPE. Any broken pieces were bagged. Visually inspected trench where section of pipe was removed and cleared it to be backfilled. Took break. Workers continued to excavate pipe, wet it, and wrap it in poly per ICR 56-11.5 and SSV-18-0656. Contractor moved all bagged/wrapped waste into dumpster per ICR 56-8.9. Conducted visual inspection with supervisor. Project Monitor Visual Inspection passed. Workers backfilled excavated work area. Contractor finished for the day and left site. Took final calibration and finished sampling at 1630. Finished paper work and left site.

Craig Mihm
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ENVIRONMENTAL PROJECT DAILY REPORT

CLIENT/CONTACT: Tantara Corp. / Mark Lovejoy
DATE: 08/06/18
PROJECT NAME/ADDRESS: 601 Willardshire Rd. / Nike Missile BU-34/35
S M T W TH F S
WORK AREA LOCATION: Silo 1 Exterior
SET#: 3239
MATERIALS REMOVED: Cementitious Pipe
PROJECT TYPE: Asbestos
START TIME: 0730
END TIME: 1630
CONTRACTOR: Allied
SUPERVISOR: Mark Maloney
NUMBER OF WORKERS ON-SITE: 3
NUMBER OF SAMPLES: 7+2
RESPIRATORY PROTECTION REQUIRED: half
RESPIRATORY PROTECTION USED BY CONTRACTOR: half
SIENNA LICENSE POSTED: ✓
MONOMETER READING: NA _____AM _____PM
AIR MONITOR CERTIFICATIONS POSTED: ✓
PUMP LOCATIONS CHECKED: ✓
TECHNICIAN: Craig Mikida
PUMPS CALIBRATED: ✓
WORK AREA(S) SIZE: Large
VISUAL INSPECTION OK: ✓
ENCLOSURE TYPE: SSV-18-0056
WAITING PERIOD REQUIRED: NA

PHASE OF WORK: B P ~~A~~ C
AIR RESULTS REVIEWED/POSTED: ✓
ANY HIGH LEVELS: No
OSHA PERSONALS TAKEN: PE EX NA
AIR RESULTS REVIEWED: NA
ANY HIGH LEVELS: NA

NOTES: Arrived on site at 0730. Met with supervisor and discussed abatement plan for the day. Set up pumps and began sampling at 0830. Contractor moved decon on site per ICR 56-7.5. Workers set up barrier tape and signage per ICR 56-7.4. Susanne (Sienna) arrived on site and conducted walkthrough. Susanne left site. Workers started excavating pipe, breaking into sections, wetting it, and double wrapping it in poly. Other construction work going on around site that could be contributing possible dust to samples. Took break. Workers returned and continued to remove pipe per ICR 56-11.5 and SSV-18-0056. Conducted visual inspection with supervisor. Project Monitor Visual Inspection passed. Minimal pieces of pipe spotted and bagged. All bagged/wrapped ACM waste moved to dumpster per ICR 56-8.9. Contractor backfilled excavated work area. Contractor finished for the day and left site. Took final calibration and finished sampling at 1630. Finished paper work and left site.

Craig Mikida
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ENVIRONMENTAL PROJECT DAILY REPORT

CLIENT/CONTACT: Tantara Corp. / Mark Lovejoy
DATE: 08/07/18
PROJECT NAME/ADDRESS: Nike Missile - BU-34/35 / 601 Willardshire Rd.
S M T W TH F S
WORK AREA LOCATION: Silo 2 Exterior
SET#: 3239
MATERIALS REMOVED: Cementitious Pipe
PROJECT TYPE: Asbestos
START TIME: 0730
END TIME: 1630
CONTRACTOR: Allied
SUPERVISOR: Frank McCullough
NUMBER OF WORKERS ON-SITE: 3
NUMBER OF SAMPLES: 7+2
RESPIRATORY PROTECTION REQUIRED: half
RESPIRATORY PROTECTION USED BY CONTRACTOR: half
SIENNA LICENSE POSTED: ✓
MONOMETER READING: NA ____AM ____PM
AIR MONITOR CERTIFICATIONS POSTED: ✓
PUMP LOCATIONS CHECKED: ✓
TECHNICIAN: Craig Mikida
PUMPS CALIBRATED: ✓
WORK AREA(S) SIZE: Large
VISUAL INSPECTION OK:
ENCLOSURE TYPE: SSV-18-0656
WAITING PERIOD REQUIRED: NA

PHASE OF WORK: B P D C
AIR RESULTS REVIEWED/POSTED: ✓
ANY HIGH LEVELS: No
OSHA PERSONALS TAKEN: PE EX NA
AIR RESULTS REVIEWED: NA
ANY HIGH LEVELS: NA

NOTES: Arrived on site at 0730. Met with supervisor and discussed abatement plan for the day. Set up pumps and started sampling at 0830. Contractor set up barrier tape and signage per ICR 56-7.4. Workers moved down on site per ICR 56-7.5. Workers started excavating pipe, breaking into sections, wetting it, and double wrapping it in poly. Partially passed visual so workers could backfill trench where pipe had been removed. Took break. Workers returned and continued to remove pipe per ICR 56-11.5 and SSV-18-0656. Workers wearing PPE per ICR 56-7.6. Contractor finished abatement. Conducted visual inspection with supervisor. Project Monitor Visual Inspection passed. All bagged/wrapped ACM waste moved to dumpster per ICR 56-8.9. Contractor backfilled excavated work area. Contractor finished for the day and left site. Took final calibration and finished sampling at 1630. Finished paper work and left site.

Craig Mikida
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18-50360
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ENVIRONMENTAL PROJECT DAILY REPORT

CLIENT/CONTACT: Tantara Corp. / Mark Lovejoy
DATE: 08/08/18
PROJECT NAME/ADDRESS: Nike Missile BU-34/35 / 601 Willardshire Rd.
S M T W TH F S
WORK AREA LOCATION: Silo 3 Exterior
SET#: 3239
MATERIALS REMOVED: Cementitious Pipe
PROJECT TYPE: Asbestos
START TIME: 0730
END TIME: 1700
CONTRACTOR: Allied
SUPERVISOR: Frank McCullough
NUMBER OF WORKERS ON-SITE: 3
NUMBER OF SAMPLES: 7+2
RESPIRATORY PROTECTION REQUIRED: half
RESPIRATORY PROTECTION USED BY CONTRACTOR: half
SIENNA LICENSE POSTED: ✓
MONOMETER READING: NA ____AM ____PM
AIR MONITOR CERTIFICATIONS POSTED: ✓
PUMP LOCATIONS CHECKED: ✓
TECHNICIAN: Craig Mikida
PUMPS CALIBRATED: ✓
WORK AREA(S) SIZE: Large
VISUAL INSPECTION OK: ✓
ENCLOSURE TYPE: SSV-18-0656
WAITING PERIOD REQUIRED: NA

PHASE OF WORK: B P ~~C~~ C
AIR RESULTS REVIEWED/POSTED: ✓
ANY HIGH LEVELS: ~~Yes~~ Yes
OSHA PERSONALS TAKEN: PE EX NA
AIR RESULTS REVIEWED: NA
ANY HIGH LEVELS: NA

NOTES: Arrived on site at 0730. Met with supervisor and discussed abatement plan for the day. Set up pumps and began sampling at 0830. Contractor set up barrier tape and signage per ICR 5C-7.4. Workers moved decon on site per ICR 5C-7.5. Silo 1 Exterior samples came back overloaded so samples will have to be rerun. Workers started excavating pipe, breaking into sections, wetting it, and double wrapping it in poly. Weather delayed work. Partially passed visual so workers could backfill trench where pipe had been removed. Took break. Workers continued to remove pipe per ICR 5C-11.5 and SSV-18-0656. All bagged waste moved to dumpster per ICR 5C-8.9. Visually inspected majority of the work area so contractor could backfill. Contractor will resume and finish pipe abatement tomorrow. Contractor left site. Took final calibration and finished sampling at 1630. Finished paper work and left site at 1700.

Craig Mikida
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18-5036
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ENVIRONMENTAL PROJECT DAILY REPORT

CLIENT/CONTACT: Tantara Corp. / Mark Lovejoy
DATE: 08/09/18
PROJECT NAME/ADDRESS: Nike Missile BU-34/35 / 601 Willardshire Rd.
S M T W ~~T~~ F S
WORK AREA LOCATION: Silo 3 Exterior
SET#: 3239
MATERIALS REMOVED: Cementitious Pipe
PROJECT TYPE: Asbestos
START TIME: 0730
END TIME: 1630
CONTRACTOR: Allied
SUPERVISOR: Frank McCullough
NUMBER OF WORKERS ON-SITE: 3
NUMBER OF SAMPLES: 7+2
RESPIRATORY PROTECTION REQUIRED: half
RESPIRATORY PROTECTION USED BY CONTRACTOR: half

SIENNA LICENSE POSTED: ✓
MONOMETER READING: NA ____AM ____PM
AIR MONITOR CERTIFICATIONS POSTED: ✓
PUMP LOCATIONS CHECKED: ✓
TECHNICIAN: Craig Mikida
PUMPS CALIBRATED: ✓
WORK AREA(S) SIZE: Large
VISUAL INSPECTION OK: ✓
ENCLOSURE TYPE: SSV-18-0656
WAITING PERIOD REQUIRED: NA

PHASE OF WORK: B P ~~C~~ C
AIR RESULTS REVIEWED/POSTED: ✓
ANY HIGH LEVELS: No
OSHA PERSONALS TAKEN: PE EX NA
AIR RESULTS REVIEWED: NA
ANY HIGH LEVELS: NA

NOTES: Arrived on site at 0730. Met with supervisor and discussed abatement plan for the day. Set up pumps and began sampling at 0830. Also set up pumps and began re-running clearance samples for Silo 1 Exterior. Contractor finished abatement for Silo 3 Exterior. Conducted visual inspection with supervisor. Project Monitor Visual Inspection passed. Contractor starting abatement on Silo 5 Exterior. Workers moved decon on site per ICR 5C-7.5. Workers set up barrier tape and signage per ICR 5C-7.4. Took break. Workers returned and began excavating pipe, breaking into sections, wetting it, and double wrapping it in poly. Workers wearing PPE per ICR 5C-7.C. Workers continued to remove pipe per ICR 5C-11.5 and SSV-18-0656. Took final calibration and finished Silo 1 Exterior samples at 1600. Workers bagged any broken pieces of pipe and left all ACM waste wrapped and contained. Contractor finished for the day and left site. Took final calibration and finished sampling at 1630. Finished paper work and left site.

Craig Mikida
SIGNATURE

18-50360
D.O.L. CERTIFICATION NUMBER

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ENVIRONMENTAL PROJECT DAILY REPORT

CLIENT/CONTACT: Tantaro Corp. / Mark Lovejoy	DATE: 08/13/18
PROJECT NAME/ADDRESS: Nike Missile BU-3435/601 Willardshire Rd.	S M T W TH F S
WORK AREA LOCATION: Silo 5 Exterior	SET#: 3239
MATERIALS REMOVED: Cementitious Pipe	PROJECT TYPE: Asbestos
	START TIME: 0730
	END TIME: 1630
CONTRACTOR: Allied / SUPERVISOR: Frank McCullough	NUMBER OF SAMPLES: 7+2
NUMBER OF WORKERS ON-SITE: 3	
RESPIRATORY PROTECTION REQUIRED: half / RESPIRATORY PROTECTION USED BY CONTRACTOR: half	
SIENNA LICENSE POSTED: ✓	MONOMETER READING: NA ____AM ____PM
AIR MONITOR CERTIFICATIONS POSTED: ✓	PUMP LOCATIONS CHECKED: ✓
TECHNICIAN: Craig Milkida	PUMPS CALIBRATED: ✓
WORK AREA(S) SIZE: Large	VISUAL INSPECTION OK: ✓
ENCLOSURE TYPE: SSV-18-0656	WAITING PERIOD REQUIRED: NA

PHASE OF WORK: B P Ⓒ C — AIR RESULTS REVIEWED/POSTED: ✓ — ANY HIGH LEVELS: No.

OSHA PERSONALS TAKEN: PE EX NA — AIR RESULTS REVIEWED: NA — ANY HIGH LEVELS: NA

NOTES: Arrived on site at 0730. Met with supervisor and discussed abatement plan for the day. Set up pumps and began sampling at 0830. Contractor finished abatement for Silo 5 Exterior. Workers moved all wrapped/bagged ACM waste to dumpster per ICR 56-8.9. Conducted visual inspection with supervisor. Project Monitor Visual Inspection passed. Contractor began abatement on Silo 6 Exterior. Workers moved decon on site per ICR 56-7.5. Workers set up barrier tape and signage per ICR 56-7.4. Took break. Workers returned and began excavating ground to find any evidence of pipe. Due to the conditions of Silo 6 (previously demo-ed/backfilled) only minimal amounts of broken pipe being found. Workers continued to remove pipe per ICR 56-11.5 and SSV-18-0656. Workers bagged any broken pieces of pipe. Contractor finished for the day and left site. Took final calibration and finished sampling at 1630. Finished paper work and left site.

Craig Milkida
SIGNATURE

18-50360
D.O.L. CERTIFICATION NUMBER

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ENVIRONMENTAL PROJECT DAILY REPORT

CLIENT/CONTACT: Tantara Corp. / Mark Lovejoy
DATE: 08/14/18
PROJECT NAME/ADDRESS: Nike Mussik BU-34/35/601 Willardshire Rd.
S M T W TH F S
WORK AREA LOCATION: Silo 6 Exterior
SET#: 3239
MATERIALS REMOVED: Cementitious Pipe
PROJECT TYPE: Asbestos
START TIME: 0730
END TIME: 1630
CONTRACTOR: Allied
SUPERVISOR: Frank McCullough
NUMBER OF WORKERS ON-SITE: 3
NUMBER OF SAMPLES: 7+2
RESPIRATORY PROTECTION REQUIRED: half
RESPIRATORY PROTECTION USED BY CONTRACTOR: half
SIENNA LICENSE POSTED: ✓
MONOMETER READING: NA ____AM ____PM
AIR MONITOR CERTIFICATIONS POSTED: ✓
PUMP LOCATIONS CHECKED: ✓
TECHNICIAN: Craig Mikida
PUMPS CALIBRATED: ✓
WORK AREA(S) SIZE: Large
VISUAL INSPECTION OK: ✓
ENCLOSURE TYPE: SSV-18-0656
WAITING PERIOD REQUIRED: NA

PHASE OF WORK: B P ✓ C
AIR RESULTS REVIEWED/POSTED: ✓
ANY HIGH LEVELS: No
OSHA PERSONALS TAKEN: PE EX NA
AIR RESULTS REVIEWED: NA
ANY HIGH LEVELS: NA

NOTES: Arrived on site at 0730. Met with supervisor and discussed abatement plan for the day. Set up pumps and began sampling at 0830. Contractor began excavating ground looking for any remains of broken pipe. Workers occasionally finding small pieces of pipe, wetting it, and bagging it. Contractor digging trenches, project monitor visually inspecting them, and workers backfilling. Took break. Workers continued to dig. Workers conducting abatement per ICR 56-11.5 and SSV-18-0656. Conducted final visual inspection with supervisor. Due to Silo C previously being demo-ed and backfilled a whole/intact run of cementitious pipe was not found. Only minimal amounts of broken pipe pieces were removed. Project Monitor Visual Inspection passed. Workers moved all bagged ACM waste to dumpster per ICR 5C-8.9. Contractor backfilled work area. Contractor left site. Took final calibration and finished sampling at 1630. Finished paper work and left site.

Craig Mikida
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ENVIRONMENTAL PROJECT DAILY REPORT

CLIENT/CONTACT: Tantara Corp / Mark Lovejoy	DATE: 10/15/18
PROJECT NAME/ADDRESS: Nike Missile BU-34/35/601 Willard shire Rd.	S M T W TH F S
WORK AREA LOCATION: Silo 6 Interior	SET#: 3239
MATERIALS REMOVED: aerosol insulation	PROJECT TYPE: ACM
	START TIME: 0800
	END TIME: 1700
CONTRACTOR: Allied / SUPERVISOR: Frank McCullough	NUMBER OF SAMPLES: 7+2
NUMBER OF WORKERS ON-SITE: 3	
RESPIRATORY PROTECTION REQUIRED: 1/2 Face / RESPIRATORY PROTECTION USED BY CONTRACTOR: 1/2 Face	

SIENNA LICENSE POSTED: on-site	MONOMETER READING: ✓ AM ✓ PM
AIR MONITOR CERTIFICATIONS POSTED: on-site	PUMP LOCATIONS CHECKED: ✓
TECHNICIAN: Matt Zetkle	PUMPS CALIBRATED: ✓
WORK AREA(S) SIZE: Large	VISUAL INSPECTION OK: N/a
ENCLOSURE TYPE: 11.5	WAITING PERIOD REQUIRED: N/a

PHASE OF WORK: B (P) A C

AIR RESULTS REVIEWED/POSTED: N/a — ANY HIGH LEVELS: N/a

OSHA PERSONALS TAKEN: PE EX N/a

AIR RESULTS REVIEWED: N/a — ANY HIGH LEVELS: N/a

NOTES: arrived on site at 0800. Met with project manager Sean and discussed scope of work for the project. Today preperation to remove asbestos contaminated soil, and transite pegboard would be carried out, and removed. at 0900 all pumps were set up in worksite area. From 9:00-11:00 abatement crew waited for excavator to arrive onsite. Supervisor stated piping in missile silo 5 would be removed. At 13:00 removal of piping was started, and finished at 15:00. Upon finishing project monitor passed visual inspection. at 1530 excavator was used to lighten contaminated soil in missile silo 6. at 1611 work in silo 6 ceased. at 1630 cl began pulling samples from site, and allied left site. at 1700 project monitor left site with samples.

Matt Zetkle
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18-54216
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ENVIRONMENTAL PROJECT DAILY REPORT

CLIENT/CONTACT: Tantara Corp./Mark Lovejoy	DATE: 10/16/18
PROJECT NAME/ADDRESS: Nike Missile BU-34/35/601 Willardshire Rd.	S M (T) W TH F S
WORK AREA LOCATION: Silo 6 Exterior	SET#: 3239
MATERIALS REMOVED: None	PROJECT TYPE: ACM
	START TIME: 0700
	END TIME: 1645
CONTRACTOR: Allied / SUPERVISOR: Frank McCullough	NUMBER OF SAMPLES: 9
NUMBER OF WORKERS ON-SITE: 3	
RESPIRATORY PROTECTION REQUIRED: half mask / RESPIRATORY PROTECTION USED BY CONTRACTOR: full face	

SIENNA LICENSE POSTED: ✓	MONOMETER READING: ✓ AM ✓ PM
AIR MONITOR CERTIFICATIONS POSTED: ✓	PUMP LOCATIONS CHECKED: ✓
TECHNICIAN: Matt Zerkle	PUMPS CALIBRATED: ✓
WORK AREA(S) SIZE: Large	VISUAL INSPECTION OK: N/A
ENCLOSURE TYPE: SSV-18-0656	WAITING PERIOD REQUIRED: N/A

PHASE OF WORK: B P (A) C	AIR RESULTS REVIEWED/POSTED: N/A	ANY HIGH LEVELS: N/A
OSHA PERSONALS TAKEN: PE EX N/a	AIR RESULTS REVIEWED: N/A	ANY HIGH LEVELS: N/A

NOTES:

Arrived onsite at 0705, waited in Tantara trailer for Allied to arrive onsite. At 0750 Allied arrived onsite. From 0800 to 1000 Allied brought transite pipe casing from missile silos 1&2 to missile silo 6, and covered it with poly. at 1020 a truck arrived with sawdust. Sawdust was dumped into silo hole and mixed with contaminated soil. contaminated dirt and sawdust were then being removed by excavator. at 1300 crew and project monitor took lunch. At 1330 Steve Drosdowski, Health and Safety Specialist, project monitor gave him tour of site. at 1400 he left field site. at 1400 abatement crew began excavating more contaminated soil, and sawdust. at 1430 checked on samplet, all were running properly, at 1600 workers left field site. pulled field samples at 1630 to get daily volume. Left field site at 1645 to bring samplet back to the office

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18-54218
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ENVIRONMENTAL PROJECT DAILY REPORT

CLIENT/CONTACT: Tantara Corp/Mark Lovejoy	DATE: 10/17/18
PROJECT NAME/ADDRESS: Nike Missile BU-34/35/60 Willardshire Rd	S M T (W) TH F S
WORK AREA LOCATION: Silo 6 Exterior/Interior	SET#: 3239
MATERIALS REMOVED: NONE	PROJECT TYPE: ACM
	START TIME: 0710
	END TIME: 1700
CONTRACTOR: Allied / SUPERVISOR: Frank McCullough	NUMBER OF SAMPLES: 9
NUMBER OF WORKERS ON-SITE: 3	
RESPIRATORY PROTECTION REQUIRED: 1/2 Face / RESPIRATORY PROTECTION USED BY CONTRACTOR: full face	
SIENNA LICENSE POSTED: ✓	MONOMETER READING: ✓ AM ✓ PM
AIR MONITOR CERTIFICATIONS POSTED: ✓	PUMP LOCATIONS CHECKED: ✓
TECHNICIAN: Matt Zerkle	PUMPS CALIBRATED: ✓
WORK AREA(S) SIZE: Large	VISUAL INSPECTION OK: N/A
ENCLOSURE TYPE: 5SV-18_0656	WAITING PERIOD REQUIRED: N/A

PHASE OF WORK: B P (A) C	AIR RESULTS REVIEWED/POSTED: ✓	ANY HIGH LEVELS: No
OSHA PERSONALS TAKEN: (PE) EX	AIR RESULTS REVIEWED: ✓	ANY HIGH LEVELS: NO

NOTES: Arrived onsite at 0710. Waited in Tantara trailer for allied to arrive onsite. At 0800 allied arrived onsite. From 0800 to 0810 I'd set up air samples in missile silo 6 while allied workers put on PPE. Allied then spent morning removing contaminated soil from structure. Tantara removed and moved 2LF of transite pipe casing to missile silo 6 under a poly tarp. at 1010 all workers decon out, excavator broke and mechanic had to come onsite to fix. at 1030 work was resumed with proper PPE and wetting methods. at 12:00 all workers decon out for lunch break. work resumed at 1230. Asbestos soil is continuously piled out of silo 6. at 1400, checked all air samples. all were running correctly. workers continued with excavator work until 1630, then decon out and left site. pulled air samples at 1645, and left field site.

Matt Zerkle

18-54218

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ENVIRONMENTAL PROJECT DAILY REPORT

CLIENT/CONTACT: Tantara Corp / Mark Lovejoy	DATE: 10/18/18
PROJECT NAME/ADDRESS: Nike Missile Bu-34/35	S M T W (TH) F S
WORK AREA LOCATION: Silo 6 Exterior/Interior	SET#: 3239
MATERIALS REMOVED: asbestos contaminated soil (cementitious piping, Aircell)	PROJECT TYPE: ACM
	START TIME: 0730
	END TIME: 1700
CONTRACTOR: Allied / SUPERVISOR: Frank McCullough	NUMBER OF SAMPLES: 9
NUMBER OF WORKERS ON-SITE: 3	
RESPIRATORY PROTECTION REQUIRED: 1/2 Face / RESPIRATORY PROTECTION USED BY CONTRACTOR: full face	
SIENNA LICENSE POSTED: ✓	MONOMETER READING: / AM / PM
AIR MONITOR CERTIFICATIONS POSTED: ✓	PUMP LOCATIONS CHECKED: ✓
TECHNICIAN: Matt Zerkle	PUMPS CALIBRATED: ✓
WORK AREA(S) SIZE: Large	VISUAL INSPECTION OK: N/A
ENCLOSURE TYPE: SSV-18-0656	WAITING PERIOD REQUIRED: N/A

PHASE OF WORK: B P (A) C	AIR RESULTS REVIEWED/POSTED: ✓	ANY HIGH LEVELS: NO
OSHA PERSONALS TAKEN: (PE) EX	AIR RESULTS REVIEWED: ✓	ANY HIGH LEVELS: NO

NOTES: Arrived onsite at 0730. Waited in Tantara trailer for Allied to arrive onsite. at 0800 Allied arrived onsite. From 0800 to 0810 Set up air samples in missile Silo 6 while Allied workers put on PPE. At 0815 workers began lining tri-axial dumptruck, and started to load first truck. Through morning 8 dump trucks were loaded and hauled to the landfill. at 1230 workers decon out and leave site for lunch. at 1300 workers return onsite wearing proper PPE. Dump trucks were lined and continuously loaded. 3 dump truck loads were taken to Chaffee landfill. at 1400 technician was onsite to fix excavator. at 1500 excavator was used to dig out more contaminated soil and form a poly-covered pile. at 1500 workers decon out. I pulled samples at 1545 and left field site. 1600 drove back and dropped off samples at Sienna.

Matt Zerkle
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18-54216
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ENVIRONMENTAL PROJECT DAILY REPORT

CLIENT/CONTACT: Tantara Corp / Mark Lovejoy	DATE: ~~10/18~~ 10/22/18
PROJECT NAME/ADDRESS: Nike Missile Silos / 601 Willardshire rd.	S (M) T W TH F S
WORK AREA LOCATION: Silo 6 Exterior/Interior	SET#: 3239
MATERIALS REMOVED: asbestos contaminated soil (cementitious piping/ aircell)	PROJECT TYPE: ACM
	START TIME: 0645
	END TIME: 1700
CONTRACTOR: Allied / SUPERVISOR: Frank McCullough	NUMBER OF SAMPLES: 9
NUMBER OF WORKERS ON-SITE: 3	
RESPIRATORY PROTECTION REQUIRED: ½ Face / RESPIRATORY PROTECTION USED BY CONTRACTOR: full face	
SIENNA LICENSE POSTED: ✓	MONOMETER READING: ✓ AM ✓ PM
AIR MONITOR CERTIFICATIONS POSTED: ✓	PUMP LOCATIONS CHECKED: ✓
TECHNICIAN: Matt Zerkle	PUMPS CALIBRATED: ✓
WORK AREA(S) SIZE: Large	VISUAL INSPECTION OK: N/A
ENCLOSURE TYPE: SSV-18-0656	WAITING PERIOD REQUIRED: N/A

PHASE OF WORK: B P (A) C	AIR RESULTS REVIEWED/POSTED: ✓	ANY HIGH LEVELS: NO
OSHA PERSONALS TAKEN: (PE) EX	AIR RESULTS REVIEWED: ✓	ANY HIGH LEVELS: NO

NOTES: arrived onsite at 0645. Allied arrived onsite at 0745. after arrival rl set up work in progress samples around silo #6. all barrier tape on silo 6 was up, and decon was opened. at 0800 workers changed into proper PPE, and began loading triaxial trucks. at 1000 rl checked on air samples, all were running correctly. at 1100 all workers Decon out as 50 yd of woodchips were delivered. at 1115 workers put on proper PPE and continued loading triaxial dump trucks. at 1300 workers decon out and break for lunch. at 1330 workers re-enter site wearing proper PPE, and continue digging out soil. workers exited work area at 1600, and rl pulled samples at 1645. workers and project monitor left site at 1700.

Matt Zerkle
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18-54216
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ENVIRONMENTAL PROJECT DAILY REPORT

CLIENT/CONTACT: Tantara Corp / Mark Lovejoy	DATE: 10/23/18
PROJECT NAME/ADDRESS: Nike Missile Silos / 601 willardshire rd.	S M (T) W TH F S
WORK AREA LOCATION: Silo 6 Exterior/Interior	SET#: 3239
MATERIALS REMOVED: asbestos Contaminated Soil (Cementitious piping, aircell)	PROJECT TYPE: ACM
	START TIME: 0730
	END TIME: 1700
CONTRACTOR: Allied / SUPERVISOR: Frank McCullough	NUMBER OF SAMPLES: 9
NUMBER OF WORKERS ON-SITE: 3	
RESPIRATORY PROTECTION REQUIRED: 1/2 face / RESPIRATORY PROTECTION USED BY CONTRACTOR: full face	
SIENNA LICENSE POSTED: ✓	MONOMETER READING: /AM /PM
AIR MONITOR CERTIFICATIONS POSTED: ✓	PUMP LOCATIONS CHECKED: ✓
TECHNICIAN: Matt Zerkle	PUMPS CALIBRATED: ✓
WORK AREA(S) SIZE: Large	VISUAL INSPECTION OK: N/A
ENCLOSURE TYPE: SSV-18-0656	WAITING PERIOD REQUIRED: N/A

PHASE OF WORK: B P (A) C	AIR RESULTS REVIEWED/POSTED: ✓	ANY HIGH LEVELS: N/A
OSHA PERSONALS TAKEN: (PE) EX	AIR RESULTS REVIEWED: ✓	ANY HIGH LEVELS: N/A

NOTES: arrived onsite at 0730. allied arrived onsite at 0745. after arrival cl set up work in progress samples around Silo #6. all barrier tape on Silo 6 was up, and decon was opened. at 0800 workers suited up in PPE and lined trixial truck with poly, and proceeded to load it with ACM soil that was piled next to Silo 6 pit. at 1130 eight trucks in total were loaded and workers decon out for lunch. at 1230 work resumes and workers suit up and begin to pull out more ACM soil from central hallway in missile Silo 6. at 1300 cl check on all air samples. All are running correctly. workers continued digging, and piling up ACM soil pile till 1630. workers decon out at 1640 and leave site. at 1645 cl pull samples and leave site.

Matt Zerkle
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18-54216
D.O.L. CERTIFICATION NUMBER

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ENVIRONMENTAL PROJECT DAILY REPORT

CLIENT/CONTACT: Tantara Corp/Mark Lovejoy	DATE: 10/24/18
PROJECT NAME/ADDRESS: Nike Missile Silos/601 Willardshire rd.	S M T (W) TH F S
WORK AREA LOCATION: Silo 6 Exterior/Interior	SET#: 3239
MATERIALS REMOVED: None	PROJECT TYPE: ACM
	START TIME: 0730
	END TIME: 1709
CONTRACTOR: Allied / SUPERVISOR: Frank McCullough	NUMBER OF SAMPLES: 9
NUMBER OF WORKERS ON-SITE: 3	
RESPIRATORY PROTECTION REQUIRED: 1/2 Mask / RESPIRATORY PROTECTION USED BY CONTRACTOR: full face	
SIENNA LICENSE POSTED: ✓	MONOMETER READING: ✓ AM ✓ PM
AIR MONITOR CERTIFICATIONS POSTED: ✓	PUMP LOCATIONS CHECKED: ✓
TECHNICIAN: Matt Zerkle	PUMPS CALIBRATED: ✓
WORK AREA(S) SIZE: Large	VISUAL INSPECTION OK: N/A
ENCLOSURE TYPE: SSV-18-0656	WAITING PERIOD REQUIRED: N/A

PHASE OF WORK: B P (A) C	AIR RESULTS REVIEWED/POSTED: ✓	ANY HIGH LEVELS: N/A
OSHA PERSONALS TAKEN: (PE EX)	AIR RESULTS REVIEWED: ✓	ANY HIGH LEVELS: N/A

NOTES: 0730 arrived onsite. allied arrived onsite at 0750. Barrier tape was secure, and decon was running correctly. at 0820 all workers suit up in proper PPE and begin digging walls along silo 6. at 1030 Bobcat mechanic arrived onsite to fix excavator. He was outside barrier tape. at 1120 machinery was all working correctly, and workers were back in full PPE. at 1330 crew decon out for lunch. 1400 workers resume cleaning in proper PPE. North wall adjacent contaminated soil was completely removed using shovels, and excavator. at 15:00 checked on all air samples. all were running correctly. at 1500 to 1630 workers were piling ACM soil to get ready for removal tommorow. at 1645 I pulled all air samples. Both project monitor and allied left site at 1700.

Matt Zerkle
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18-54216
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ENVIRONMENTAL PROJECT DAILY REPORT

CLIENT/CONTACT: Tantara Corp	DATE: 10/25/18
PROJECT NAME/ADDRESS: Nike Missile Silos/601 Willardshire rd.	S M T W (TH) F S
WORK AREA LOCATION: Silo 6 Exterior/Interior	SET#: 3239
MATERIALS REMOVED: None	PROJECT TYPE: ACM
	START TIME: 0730
	END TIME: 1700
CONTRACTOR: Allied / SUPERVISOR: Frank McCullough	NUMBER OF SAMPLES: 9
NUMBER OF WORKERS ON-SITE: 3	
RESPIRATORY PROTECTION REQUIRED: 1/2 Face / RESPIRATORY PROTECTION USED BY CONTRACTOR: Full face	

SIENNA LICENSE POSTED: ✓	MONOMETER READING: ✓ AM ✓ PM
AIR MONITOR CERTIFICATIONS POSTED: ✓	PUMP LOCATIONS CHECKED: ✓
TECHNICIAN: Matt Zerkle	PUMPS CALIBRATED: ✓
WORK AREA(S) SIZE: Large	VISUAL INSPECTION OK: N/a
ENCLOSURE TYPE: SSV-18-0256	WAITING PERIOD REQUIRED: N/a

PHASE OF WORK: B P (A) C	AIR RESULTS REVIEWED/POSTED: ✓	ANY HIGH LEVELS: N/A
OSHA PERSONALS TAKEN: PE EX	AIR RESULTS REVIEWED: ✓	ANY HIGH LEVELS: N/A

NOTES:

at 0730 arrived onsite. allied arrived onsite at 0750. Barrier tape was secure, and decon was running correctly. at 0820 all workers suited up in proper PPE, and began digging walls along silo 6. workers, also dug out office corner where transite pegboard was present. at 1110 project manager arrived onsite, and toured abatement area. Everything was to satisfactory. at 1130 project manager was offsite. at 1300 crew decon out for lunch, and leave site. at 1330 workers resume cleaning pit in proper PPE. at 1400 checked on all air samples, all are running correctly. at 1500 workers were shoveling out dirt and debris in back office. at 1630 all workers exited work site, and decon out. at 1645 workers leave site, and project monitor collects all air samples. project monitor off site by 1700.

Matt Zerkle
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18-54216
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ENVIRONMENTAL PROJECT DAILY REPORT

CLIENT/CONTACT: Tantara Corp	DATE: 10/29/18
PROJECT NAME/ADDRESS: Nike Missile silos / 601 willard shire rd	S (M) T W TH F S
WORK AREA LOCATION: silo 6 Exterior/Interior	SET#: 3239
MATERIALS REMOVED: AcM contaminated soil (Cementitious piping Aircell)	PROJECT TYPE: AcM
	START TIME: 0730
	END TIME: 1645
CONTRACTOR: Allied / SUPERVISOR: Frank McCullough	NUMBER OF SAMPLES: 9
NUMBER OF WORKERS ON-SITE: 3	
RESPIRATORY PROTECTION REQUIRED: 1/2 Mask / RESPIRATORY PROTECTION USED BY CONTRACTOR: 1/2 Mask	

SIENNA LICENSE POSTED: ✓	MONOMETER READING: / AM / PM
AIR MONITOR CERTIFICATIONS POSTED: ✓	PUMP LOCATIONS CHECKED: ✓
TECHNICIAN: Matt Zerkle	PUMPS CALIBRATED: ✓
WORK AREA(S) SIZE: Large	VISUAL INSPECTION OK: N/A
ENCLOSURE TYPE: SSV-18-0656	WAITING PERIOD REQUIRED: N/A

PHASE OF WORK: B P (A) C	AIR RESULTS REVIEWED/POSTED: /	ANY HIGH LEVELS: /
OSHA PERSONALS TAKEN: (PE) EX	AIR RESULTS REVIEWED: /	ANY HIGH LEVELS: /

NOTES: arrived onsite at 0730, allied also arrived onsite at 0730. all barrier tape was up and secure. at 0745 all workers entered the worksite in proper PPE. at this time air samples were also put up around the work site. all were running at the correct flow rate. at 0800 trivigil trucks arrive and load out of ACM soil begins. at 1000 all air samples were checked and running correctly at 1130 workers decon out for lunch, and return at 1200, and resume work. at 1300 10 dump trucks of friable ACM soil were sent to the landfill. at 1400 non-friable material in silo 6 each room was dug out. all non friable transit piping and pegboard were piled. at 1630 project monitor starts to pull air samples. at 1645 all workers are off site. at 1700 project monitor is done.

Matt Zerkle
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18-54216
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ENVIRONMENTAL PROJECT DAILY REPORT

CLIENT/CONTACT: Tantara Corp	DATE: 10/30/18
PROJECT NAME/ADDRESS: Nike missile silos / 601 willard shite rd.	S M T W TH F S
WORK AREA LOCATION: Silo 6 Exterior / Interior	SET#: 3239
MATERIALS REMOVED: ACM Contaminated soil, transite piping & pegboard	PROJECT TYPE: ACM
	START TIME: 0730
	END TIME: 1500
CONTRACTOR: Allied / SUPERVISOR: Frank McCullough	NUMBER OF SAMPLES: 12
NUMBER OF WORKERS ON-SITE: 3	
RESPIRATORY PROTECTION REQUIRED: 1/2 Mask / RESPIRATORY PROTECTION USED BY CONTRACTOR: 1/2 Mask	

SIENNA LICENSE POSTED: ✓	MONOMETER READING: ___/___ AM ___/___ PM
AIR MONITOR CERTIFICATIONS POSTED: ✓	PUMP LOCATIONS CHECKED: ✓
TECHNICIAN: Matt Zerkle	PUMPS CALIBRATED: ✓
WORK AREA(S) SIZE: Large	VISUAL INSPECTION OK: N/a
ENCLOSURE TYPE: SSV-18-0656	WAITING PERIOD REQUIRED: 12 hr

PHASE OF WORK: B P (A) C	AIR RESULTS REVIEWED/POSTED: ✓	ANY HIGH LEVELS: No
OSHA PERSONALS TAKEN: (PE) EX	AIR RESULTS REVIEWED: ✓	ANY HIGH LEVELS: No

NOTES: arrived onsite at 0730. allied also arrived onsite at 0730. all barrier tape was up and ok'd at 0745 all workers entered the worksite in proper PPE. at this time clearance air samples were put up around the worksite with fans in the work area. all were running at the correct flow rate. at 0800 trixial trucks arrive and load out of manifested transite begins. at 1030 all air samples were checked and run correctly. at 1130 workers decon out for lunch, and return at 1200 to resume work. load outs stop at 1230 with three total load outs. after all load outs were taken site was cleaned, and any leftover transite pieces were pitched up. at 1330 all workers decon exit. workers leave site at 1400. at 1445 project monitor begins to pull samples as they reach their necessary volume. all samples are collected. monitor is off site at 1500.

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ENVIRONMENTAL PROJECT DAILY REPORT

CLIENT/CONTACT: Tantara Corp / Mark Lovejoy	DATE: 10/31/18
PROJECT NAME/ADDRESS: Nike Missile Silos / 601 Willard Shire, Rd.	S M T (W) TH F S
WORK AREA LOCATION: Missile Silo #6	SET#: 3
MATERIALS REMOVED: transite pegboard, piping	PROJECT TYPE: ACM
	START TIME: 0745
	END TIME: 0930
CONTRACTOR: Allied / SUPERVISOR: Frank McCullough	NUMBER OF SAMPLES: Ø
NUMBER OF WORKERS ON-SITE: 3	
RESPIRATORY PROTECTION REQUIRED: 1/2 Mask / RESPIRATORY PROTECTION USED BY CONTRACTOR: 1/2 Mask	
SIENNA LICENSE POSTED: ✓	MONOMETER READING: / AM / PM
AIR MONITOR CERTIFICATIONS POSTED: ✓	PUMP LOCATIONS CHECKED: N/A
TECHNICIAN: Matt Zerkle	PUMPS CALIBRATED: N/A
WORK AREA(S) SIZE: Large	VISUAL INSPECTION OK: ✓
ENCLOSURE TYPE: SSV-18-0656	WAITING PERIOD REQUIRED: 12hr

PHASE OF WORK: B P A (C)	AIR RESULTS REVIEWED/POSTED: ✓	ANY HIGH LEVELS: No
OSHA PERSONALS TAKEN: (PE) EX	AIR RESULTS REVIEWED: ✓	ANY HIGH LEVELS: No

NOTES: Arrived on site at 0745. Allied was on site at 0740. project manager arrived onsite at 0800. At 0819 entered Silo#6 work area with project manager with proper PPE. no visible asbestos was seen in the silo or surrounding perimeter. at 0830 exited work area, and passed inspection. after inspection project manager left site. At 0930 obtained results that all samples passed. Notified allied supervisor, and left site.

Matthew Zerkle

SIGNATURE

18-54216

D.O.L. CERTIFICATION NUMBER

SIENNA ENVIRONMENTAL TECHNOLOGIES

350 Elmwood Ave. • Buffalo, NY 14222
P 716-332-3123 F 716 332 9136

ENVIRONMENTAL PROJECT DAILY REPORT

CLIENT/CONTACT: Tantara / Mark Lovejoy	DATE: 5/29/19
PROJECT NAME/ADDRESS: 601 Willard Shire - Underground Nike Missile Silos	S M T (W) TH F S
WORK AREA LOCATION: • Silo #2 - Exterior	SET#: 3239
MATERIALS REMOVED: Expansion Joint Caulk	PROJECT TYPE: ACM
	START TIME: 1315
	END TIME: 1350
CONTRACTOR: Allied / SUPERVISOR: Mark Armbruster	NUMBER OF SAMPLES: 0
NUMBER OF WORKERS ON-SITE: 3	
RESPIRATORY PROTECTION REQUIRED: 1/2 face / RESPIRATORY PROTECTION USED BY CONTRACTOR: 1/2 face	

SIENNA LICENSE POSTED: Y	MONOMETER READING: N/A ___AM ___PM
AIR MONITOR CERTIFICATIONS POSTED: Y	PUMP LOCATIONS CHECKED: N/A
TECHNICIAN: S. Fitzgerald	PUMPS CALIBRATED: N/A
WORK AREA(S) SIZE: Small	VISUAL INSPECTION OK: Yes
ENCLOSURE TYPE: 11.6	WAITING PERIOD REQUIRED: N/A

PHASE OF WORK: B P A (C)	AIR RESULTS REVIEWED/POSTED: N/A	ANY HIGH LEVELS:
OSHA PERSONALS TAKEN: ~~PE EX~~	AIR RESULTS REVIEWED: N/A	ANY HIGH LEVELS:

NOTES:

- Monitor onsite @ 1315 and signs in at job trailer
- Monitor locates decon trailer on perimeter of Silo #2,
  - ↳ Meets w/ Contractor Supervisor Mark Armbruster and Allied ready for final visual inspection
- Monitor enters work area w/ (2) Allied workers
  - ↳ Some debris found and Allied bags up waste
  - ↳ Some material remaining on concrete and Allied workers chips off
  - ↳ Area free and clear of ACM expansion joint caulk
  - ↳ Monitor signs off in supervisor's logbook finishes paperwork and offsite.

Signature

09-11420
D.O.L. CERTIFICATION NUMBER

4. LABORATORY REPORTS AND CHAIN OF CUSTODY DOCUMENTS

SIENNA
ENVIRONMENTAL TECHNOLOGIES

350 Elmwood Ave. • Buffalo, NY 14222
(P) 716.332.3134 (F) 716.332.3136

LABORATORY REPORT

Attention: Mark Lovejoy
Client: Tantara Corporation
54 Mason Street
Worcester, MA 01610

Project: SET3239- Nike Missile BU- 34/35 - Silo #2

Lab Project #: S35441
Sample Date: 6/12/2018
Date Received: 6/13/2018
Analysis Date: 6/13/2018

PHASE CONTRAST MICROSCOPY BY NIOSH METHOD 7400, Fourth Edition, Issue 2, 8/15/94

Sample	Location	Type	Sample Date	Volume	Fibers	Fields	Fibers/mm2	Fibers/cc
061218-3239-01	Elevator hatch	P	6/12/2018	1044	1.5	100	1.91	<0.003
061218-3239-02	Vent hatch	P	6/12/2018	1044	0.5	100	0.64	<0.003
061218-3239-03	Decon entrance	P	6/12/2018	1044	1	100	1.27	<0.003
061218-3239-04	Decon exit	P	6/12/2018	1044	2	100	2.55	<0.003
061218-3239-05	Work area entrance/exit, airlock	P	6/12/2018	1044	3.5	100	4.46	<0.003
061218-3239-06	Ambient air	P	6/12/2018	1044	1	100	1.27	<0.003
061218-3239-07	Field	BL	6/12/2018		0	100		
061218-3239-08	Box	BL	6/12/2018		0	100		

Amanda Bentley
Analyst

Approved Signatory

B=Background P=Preparation A=Abatement C=Clearance
CR=Clearance Rush EX=Excursion Air PE=Personal Air Sample BL=Blank

Results relate only to samples as provided by client. This laboratory is not responsible for sample collection activities, analytical method limitations or data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. This report shall not be reproduced, except in full, without written approval by Sienna. The Sr for analysis is calculated per NIOSH Method 7400 using quality control data including 95% Confidence Interval (CI). Minimum volume of 900L required by NIOSH Method 7400 to reach CI of 95% at Method's Limit of Detection (LOD) at < 0.01 fiber/cc.
Analysts' Sr Ranges: Low .41, Med .25, High .20. NYS ELAP #11727

SIENNA ENVIRONMENTAL TECHNOLOGIES

350 Elmwood Ave. • Buffalo, NY 14222
Ⓟ 716-332.3134 Ⓕ 716.332.3136

Air Sampling Worksheet
Chain of Custody

Date: 06/12/18	Work Area Location: Silo #2
Job Name: Nike Missile BU-34/35	Client: Tantara Corp
Job #: 3239	Client Contact: Mark Lovejoy
Temp/Rain/Wind: 70°F / No Rain / Low Wind	
Calibrator #: 20171218 / 605	DC - Lite Primary Flow

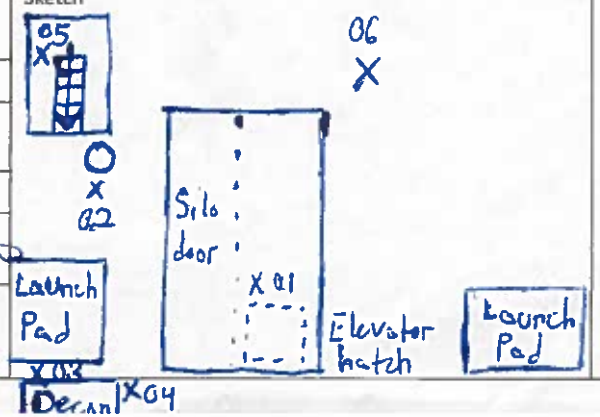
Turnaround (circle): 3 hour | 6 hour | ~~24 hour~~ | 48 hour | Other ____

Analysis (circle): ~~PCM~~ | TEM | other ____

Sample Number	Pump #	Sample Location	IB OB	IWA OWA	BA EX	@ CPE	Time (military) Start	Stop	Tot	Flow (LPM) Beg	End	Avg	Volume (liters)	Results (f/cc)
061218-3239-01		Elevator hatch	OB	OWA	P		1000	1600	360	2.9	2.9	2.9	1044	
02		Vent hatch					1001	1601	360	2.9	2.9	2.9	1044	
03		Decon entrance					1002	1602	360	2.9	2.9	2.9	1044	
04		Decon exit					1003	1603	360	2.9	2.9	2.9	1044	
05		Work area entrance/exit, airlock					1004	1604	360	2.9	2.9	2.9	1044	
06		Ambient air					1005	1605	360	2.9	2.9	2.9	1044	
07		Field												
08		Box												

Craig Mikida — Sampler	06/12/18	:
Craig Mikida — Relinquished by	06/12/18	:
Received by lab	6/13/18	8:00
S35441		

Sketch



Comments/Special Conditions

SIENNA
ENVIRONMENTAL TECHNOLOGIES

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LABORATORY REPORT

Attention: Mark Lovejoy
Client: Tantara Corporation
54 Mason Street
Worcester, MA 01610
Project: SET3239- Nike Missile BU- 34/35 - Silo #2

Lab Project #: S35479
Sample Date: 6/13/2018
Date Received: 6/14/2018
Analysis Date: 6/15/2018

PHASE CONTRAST MICROSCOPY BY NIOSH METHOD 7400, Fourth Edition, Issue 2, 8/15/94

Sample	Location	Type	Sample Date	Volume	Fibers	Fields	Fibers/mm2	Fibers/cc
061318-3239-01	Elevator hatch - critical 1	P	6/13/2018	1218	4	100	5.1	<0.002
061318-3239-02	Vent hatch - critical 2	P	6/13/2018	1218	4.5	100	5.73	<0.002
061318-3239-03	Decon entrance	P	6/13/2018	1218	3.5	100	4.46	<0.002
061318-3239-04	Decon exit	P	6/13/2018	1218	7.5	100	9.55	0.003
061318-3239-05	Work area entrance/exit, airlock	P	6/13/2018	1218	4	100	5.1	<0.002
061318-3239-06	Ambient air	P	6/13/2018	1218	4	100	5.1	<0.002
061318-3239-07	Field Blank	BL	6/13/2018		0	100		
061318-3239-08	Box Blank	BL	6/13/2018		0	100		

Amanda Bentley
Analyst

Approved Signatory

B=Background P=Preparation A=Abatement C=Clearance
CR=Clearance Rush EX=Excursion Air PE=Personal Air Sample BL=Blank

 The Sr for analysts is calculated per NIOSH Method 7400 using quality control data including 95% Confidence Interval (CI). Minimum volume of 900L required by NIOSH Method 7400 to reach CI of 95% at Method's Limit of Detection (LOD) at < 0 01 fiber/cc.
Analysts' Sr Ranges: Low .41, Med .25, High .20. NYS ELAP #11727

SIENNA
ENVIRONMENTAL TECHNOLOGIES

350 Elmwood Ave. • Buffalo, NY 14222
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Air Sampling Worksheet
Chain of Custody

06/13/18 — Date	Silo #2 — Work Area Location
Nike Missile BU-34/35 — Job Name	Tantara Corp — Client
3239 — Job #	Mark Lovejoy — Client Contact
70°F / Rain / Low Wind — Temp/Rain/Wind	
20171218	
605 — Calibrator #	DC - Lite Primary Flow

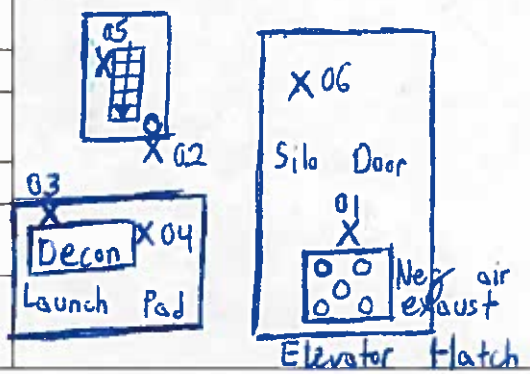
Turnaround (circle): 3 hour | 6 hour | ~~24 hour~~ | 48 hour | Other_____

Analysis (circle): PCM | TEM | _____ other

Sample Number	Pump #	Sample Location	IB OB	IWA OWA	B A EX	D C PE	Time (military) Start	Stop	Tot	Flow (LPM) Beg	End	Avg	Volume (liters)	Results (f/cc)
061318-3239-01		Elevator hatch - critical 1	OB	OWA	P		0800	1500	420	2.9	2.9	2.9	1218	
02		Vent hatch - critical 2	↓	↓	↓		0801	1501	420	2.9	2.9	2.9	1218	
03		Decon entrance					0802	1502	420	2.9	2.9	2.9	1218	
04		Decon exit					0803	1503	420	2.9	2.9	2.9	1218	
05		Work area entrance/exit, airlock					0804	1504	420	2.9	2.9	2.9	1218	
06		Ambient air	↓	↓	↓		0805	1505	420	2.9	2.9	2.9	1218	
07		Field Blank												
↓ 08		Box Blank												

Craig Mikida — Sampler	06/13/18	:
Craig Mikida — Relinquished by	06/13/18	:
Amanda Barkley — Received by lab	6/14/18	14:37
	535479	

Sketch



Comments/Special Conditions

SIENNA
ENVIRONMENTAL TECHNOLOGIES

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LABORATORY REPORT

Attention: Mark Lovejoy
Client: Tantara Corporation
54 Mason Street
Worcester, MA 01610

Project: SET 3239- Nike Missile BU- 34/35- Silo #2

Lab Project #: S35490
Sample Date: 6/14/2018
Date Received: 6/14/2018
Analysis Date: 6/15/2018

PHASE CONTRAST MICROSCOPY BY NIOSH METHOD 7400, Fourth Edition, Issue 2, 8/15/94

Sample	Location	Type	Sample Date	Volume	Fibers	Fields	Fibers/mm2	Fibers/cc
061418-3239-01	Elevator Hatch- Critical 1	A	6/14/2018	1218	1.5	100	1.91	<0.002
061418-3239-02	Vent Hatch- Critical 2	A	6/14/2018	1218	3	100	3.82	<0.002
061418-3239-03	Decon Entrance	A	6/14/2018	1218	2	100	2.55	<0.002
061418-3239-04	Decon Exit	A	6/14/2018	1218	2	100	2.55	<0.002
061418-3239-05	Work Area Entrance/Exit, Airlock	A	6/14/2018	1218	0	100	0	<0.002
061418-3239-06	Negative Air Exhaust	A	6/14/2018	1218	0	100	0	<0.002
061418-3239-07	Ambient Air	A	6/14/2018	1218	0	100	0	<0.002
061418-3239-08	Field Blank	BL	6/14/2018		0	100		
061418-3239-09	Box Blank	BL	6/14/2018		0	100		

Carson Cain
Analyst

Approved Signatory

B=Background
CR=Clearance Rush
P=Preparation
EX=Excursion Air
A=Abatement
PE=Personal Air Sample
C=Clearance
BL=Blank

Results relate only to samples as provided by client. This laboratory is not responsible for sample collection activities, analytical method limitations or data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. This report shall not be reproduced, except in full, without written approval by Sienna. The Sr for analysts is calculated per NIOSH Method 7400 using quality control data including 95% Confidence Interval (CI). Minimum volume of 900L required by NIOSH Method 7400 to reach CI of 95% at Method's Limit of Detection (LOD) at < 0.01 fiber/cc.
Analysts' Sr Ranges: Low .37, Med .24, High .16. NYS ELAP #11727

SIENNA ENVIRONMENTAL TECHNOLOGIES

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Air Sampling Worksheet
Chain of Custody

06/14/18 — Date	Silo #2 — Work Area Location
Nike Missile BU-34/35 — Job Name	Tantara Grp. — Client
3239 — Job #	Mark Lourjoy — Client Contact

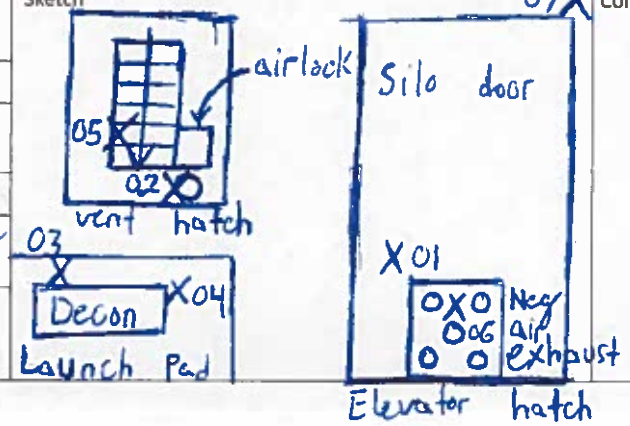
70°F / No Rain / Low Wind — Temp/Rain/Wind	
20171218	
605 — Calibrator #	DC - Lite / Primary Flow

Turnaround (circle): 3 hour | 6 hour | ~~24 hour~~ | 48 hour | Other ____
Analysis (circle): ~~PCM~~ | TEM | other ____

Sample Number	Pump #	Sample Location	IB OB	IWA OWA	B EX / P PE	Time (military) Start	Stop	Tot	Flow (LPM) Beg	End	Avg	Volume (liters)	Results (f/cc)
061418-3239-01		Elevator hatch - critical 1	OB	OWA	A	0800	1500	420	2.9	2.9	2.9	1218	
02		Vent hatch - critical 2	↓	↓	↓	0801	1501	420	2.9	2.9	2.9	1218	
03		Decon entrance				0802	1502	420	2.9	2.9	2.9	1218	
04		Decon exit				0803	1503	420	2.9	2.9	2.9	1218	
05		Work area entrance/exit, airlock				0804	1504	420	2.9	2.9	2.9	1218	
06		Negative air exaust				0805	1505	420	2.9	2.9	2.9	1218	
07		Ambient air	↓	↓	↓	0806	1506	420	2.9	2.9	2.9	1218	
08		Field Blank											
09		Box Blank											

Craig Mikida — Sampler	06/14/18	:
Craig Mikida — Relinquished by	06/14/18	:
	6/14/18	15:55
Received by lab	S35490	

Sketch



Comments/Special Conditions

SIENNA
ENVIRONMENTAL TECHNOLOGIES

350 Elmwood Ave. • Buffalo, NY 14222
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LABORATORY REPORT

Attention: Mark Lovejoy
Client: Tantara Corporation
54 Mason Street
Worcester, MA 01610
Project: SET3239- Nike Missile BU- 34/35 - Silo #2

Lab Project #: S35517
Sample Date: 6/18/2018
Date Received: 6/19/2018
Analysis Date: 6/19/2018

PHASE CONTRAST MICROSCOPY BY NIOSH METHOD 7400, Fourth Edition, Issue 2, 8/15/94

Sample	Location	Type	Sample Date	Volume	Fibers	Fields	Fibers/mm2	Fibers/cc
061818-3239-01	Elevator hatch - critical 1	A	6/18/2018	1392	2.5	100	3.18	<0.002
061818-3239-02	Vent hatch - critical 2	A	6/18/2018	1392	2.5	100	3.18	<0.002
061818-3239-03	Decon entrance	A	6/18/2018	1392	2	100	2.55	<0.002
061818-3239-04	Decon exit	A	6/18/2018	1392	1.5	100	1.91	<0.002
061818-3239-05	Work area entrance/exit, airlock	A	6/18/2018	1392	1	100	1.27	<0.002
061818-3239-06	Negative air exhaust	A	6/18/2018	1392	5	100	6.37	<0.002
061818-3239-07	Ambient air	A	6/18/2018	1392	3	100	3.82	<0.002
061818-3239-08	Field Blank	BL	6/18/2018		0	100		
061818-3239-09	Box Blank	BL	6/18/2018		0	100		

Amanda Bentley
Analyst

Approved Signatory

B=Background P=Preparation A=Abatement C=Clearance
CR=Clearance Rush EX=Excursion Air PE=Personal Air Sample BL=Blank

 The Sr for analysts is calculated per NIOSH Method 7400 using quality control data including 95% Confidence Interval (CI). Minimum volume of 900L required by NIOSH Method 7400 to reach CI of 95% at Method's Limit of Detection (LOD) at < 0.01 fiber/cc.
Analysts' Sr Ranges: Low .41, Med .25, High .20. NYS ELAP # 11727

SIENNA
ENVIRONMENTAL TECHNOLOGIES

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Air Sampling Worksheet
Chain of Custody

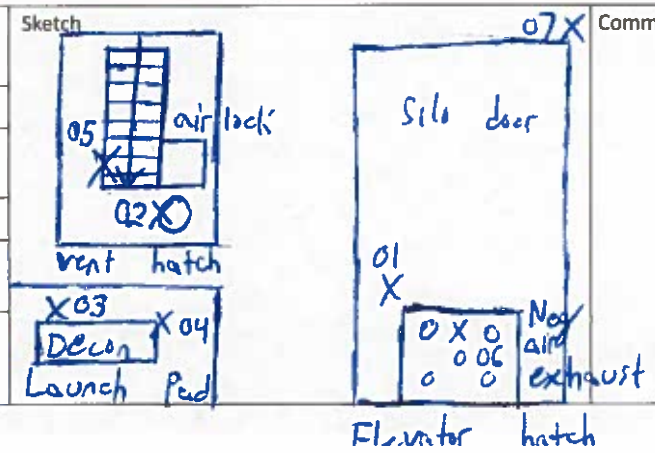
06/18/18 — Date	Silo #2 — Work Area Location
Nike Missile BU-34/35 — Job Name	Tantara Corp. — Client
3239 — Job #	Mark Lovejoy — Client Contact
88°F / No Rain / Low Wind — Temp/Rain/Wind	20171218
605 — Calibrator #	DC - Lite Primary Flow

Turnaround (circle): 3 hour · 6 hour · ~~24 hour~~ · 48 hour · Other ____
Analysis (circle): ~~PCM~~ · TEM · other ____

Sample Number	Pump #	Sample Location	IB OB	IWA OWA	B ~~P~~ EX	P C PE	Time (military) Start	Stop	Tot	Flow (LPM) Beg	End	Avg	Volume (liters)	Results (f/cc)
061818 - 3239 - 01		Elevator hatch - critical 1	OB	OWA	A		0800	1600	480	2.9	2.9	2.9	1392	
02		Vent hatch - critical 2	↓	↓	↓		0801	1601	480	2.9	2.9	2.9	1392	
03		Decon entrance					0802	1602	480	2.9	2.9	2.9	1392	
04		Decon exit					0803	1603	480	2.9	2.9	2.9	1392	
05		Work area entrance/exit, airlock					0804	1604	480	2.9	2.9	2.9	1392	
06		Negative air exhaust					0805	1605	480	2.9	2.9	2.9	1392	
07		Ambient air	↓	↓	↓		0806	1606	480	2.9	2.9	2.9	1392	
08		Field Blank	~	~	~									
↓ 09		Box Blank	~	~	~									

Craig Mikida — Sampler	06/18/18	:
Gary — Relinquished by	06/18/18	:
Laura Baddy — Received by lab	06/19/18	8:03
	535517	

Sketch



Comments/Special Conditions

SIENNA
ENVIRONMENTAL TECHNOLOGIES

350 Elmwood Ave. • Buffalo, NY 14222
Ⓟ 716.332.3134 Ⓕ 716.332.3136

LABORATORY REPORT

Attention: Mark Lovejoy
Client: Tantara Corporation
54 Mason Street
Worcester, MA 01610
Project: SET3239- Nike Missile BU- 34/35 - Silo #2

Lab Project #: S35533
Sample Date: 6/19/2018
Date Received: 6/20/2018
Analysis Date: 6/20/2018

PHASE CONTRAST MICROSCOPY BY NIOSH METHOD 7400, Fourth Edition, Issue 2, 8/15/94

Sample	Location	Type	Sample Date	Volume	Fibers	Fields	Fibers/mm2	Fibers/cc
061918-3239-01	Elevator hatch - critical 1	C	6/19/2018	1392	3	100	3.82	<0.002
061918-3239-02	Vent hatch - critical 2	C	6/19/2018	1392	1	100	1.27	<0.002
061918-3239-03	Decon entrance	C	6/19/2018	1392	0	100	0	<0.002
061918-3239-04	Decon exit	C	6/19/2018	1392	2	100	2.55	<0.002
061918-3239-05	Work area entrance/exit, airlock	C	6/19/2018	1392	5	100	6.37	<0.002
061918-3239-06	Negative air exhaust	C	6/19/2018	1392	0	100	0	<0.002
061918-3239-07	Ambient air	C	6/19/2018	1392	5.5	100	7.01	0.002
061918-3239-08	Back up negative air machine	C	6/19/2018	1392	5	100	6.37	<0.002
061918-3239-09	Structure under elevator hatch	C	6/19/2018	1392	2	100	2.55	<0.002
061918-3239-10	Near airlock and personnel room	C	6/19/2018	1392	5	100	6.37	<0.002
061918-3239-11	Centered East side of elevator	C	6/19/2018	1392	6	100	7.64	0.002
061918-3239-12	Centered West side of elevator	C	6/19/2018	1392	5	100	6.37	<0.002
061918-3239-13	Field Blank	BL	6/19/2018		0	100		
061918-3239-14	Box Blank	BL	6/19/2018		0	100		

Amanda Bentley
Analyst

Approved Signatory

B=Background P=Preparation A=Abatement C=Clearance
CR=Clearance Rush EX=Excursion Air PE=Personal Air Sample BL=Blank

Results relate only to samples as provided by client. This laboratory is not responsible for sample collection activities, analytical method limitations or data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. This report shall not be reproduced, except in full, without written approval by Sienna. The Sr for analysts is calculated per NIOSH Method 7400 using quality control data including 95% Confidence Interval (CI). Minimum volume of 900L required by NIOSH Method 7400 to reach CI of 95% at Method's Limit of Detection (LOD) at < 0.01 fiber/cc.
Analysts' Sr Ranges. Low .41, Med .25, High .20. NYS ELAP #11727

SIENNA ENVIRONMENTAL TECHNOLOGIES

350 Elmwood Ave. • Buffalo, NY 14222
Ⓟ 716-332.3134 Ⓕ 716.332.3136

Air Sampling Worksheet
Chain of Custody

06/19/18 — Date	Silo #2 — Work Area Location
Nike Missile BU-34/35 — Job Name	Tantara Corp. — Client
3239 — Job #	Mark Lovejoy — Client Contact

70°F / No Rain / Low Wind — Temp/Rain/Wind

20171218

605 — Calibrator # / DC - Lite Primary Flow

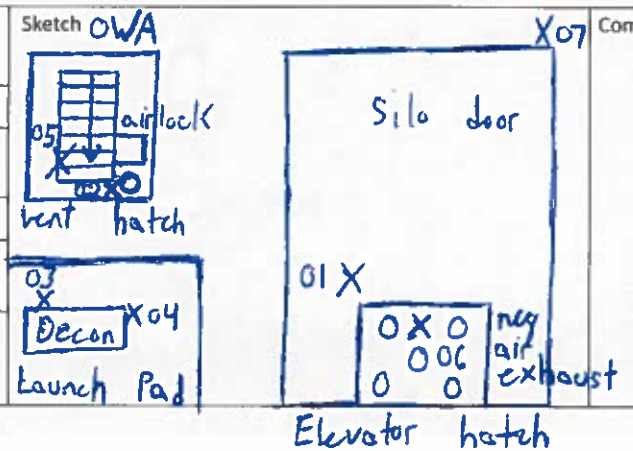
Turnaround (circle): 3 hour | 6 hour | ~~24 hour~~ | 48 hour | Other

Analysis (circle): ~~PCM~~ | TEM | other

Sample Number	Pump #	Sample Location	IB OB	IWA OWA	B A EX	P O PE	Time (military) Start	Stop	Tot	Flow (LPM) Beg	End	Avg	Volume (liters)	Results (f/cc)
061918-3239-01		Elevator hatch - critical 1	OB	OWA	C		0819	1619	480	2.9	2.9	2.9	1392	
02		Vent hatch - critical 2	OB	OWA			0820	1620	480	2.9	2.9	2.9	1392	
03		Decon entrance	OB	OWA			0821	1621	480	2.9	2.9	2.9	1392	
04		Decon exit	OB	OWA			0822	1622	480	2.9	2.9	2.9	1392	
05		Work area entrance/exit, airlock	OB	OWA			0823	1623	480	2.9	2.9	2.9	1392	
06		Negative air exhaust	OB	OWA			0824	1624	480	2.9	2.9	2.9	1392	
07		Ambient air	OB	OWA			0825	1625	480	2.9	2.9	2.9	1392	
08		Back up negative air machine	IB	IWA			0826	1626	480	2.9	2.9	2.9	1392	
09		Structure under elevator hatch	IB	IWA			0827	1627	480	2.9	2.9	2.9	1392	
10		Near airlock and personnel room	IB	IWA			0828	1628	480	2.9	2.9	2.9	1392	
11		Centered East side of elevator	IB	IWA			0829	1629	480	2.9	2.9	2.9	1392	
12		Centered West side of elevator	IB	IWA			0830	1630	480	2.9	2.9	2.9	1392	
13		Field Blank												
14		Box Blank												

Craig Mikida — Sampler	06/19/18	:
Craig Mikida — Relinquished by	06/19/18	:
Laura Baddy — Received by lab	06/20/18	7:50
S35533		

Sketch



Comments/Special Conditions

SIENNA
ENVIRONMENTAL TECHNOLOGIES

350 Elmwood Ave. • Buffalo, NY 14222
Ⓟ 716.332.3134 Ⓕ 716.332.3136

LABORATORY REPORT

Attention: Mark Lovejoy
Client: Tantara Corporation
54 Mason Street
Worcester, MA 01610

Project: SET 3239- Nike Missile BU-34/35- Silo #3

Lab Project #: S35554
Sample Date: 6/20/2018
Date Received: 6/22/2018
Analysis Date: 6/22/2018

PHASE CONTRAST MICROSCOPY BY NIOSH METHOD 7400, Fourth Edition, Issue 2, 8/15/94

Sample	Location	Type	Sample Date	Volume	Fibers	Fields	Fibers/mm2	Fibers/cc
062018-3239-01	Critical 1- Elevator Hatch	P	6/20/2018	1044	1	100	1.27	<0.003
062018-3239-02	Critical 2- Silo Door Hatch	P	6/20/2018	1044	1.5	100	1.91	<0.003
062018-3239-03	Decon Entrance	P	6/20/2018	1044	4	100	5.1	<0.003
062018-3239-04	Decon Exit	P	6/20/2018	1044	1	100	1.27	<0.003
062018-3239-05	Work Area Entrance/Exit, Airlock	P	6/20/2018	1044	3	100	3.82	<0.003
062018-3239-06	Ambient Air	P	6/20/2018	1044	0	100	0	<0.003
062018-3239-07	Field Blank	BL	6/20/2018		0	100		
062018-3239-08	Box Blank	BL	6/20/2018		0	100		

Carson Cain
Analyst

Approved Signatory

B=Background P=Preparation A=Abatement C=Clearance
CR=Clearance Rush EX=Excursion Air PE=Personal Air Sample BL=Blank

 The Sr for analysts is calculated per NIOSH Method 7400 using quality control data including 95% Confidence Interval (CI). Minimum volume of 900L required by NIOSH Method 7400 to reach CI of 95% at Method's Limit of Detection (LOD) at < 0.01 fiber/cc.
Analysts' Sr Ranges: Low .37, Med .24, High .16. NYS ELAP #11727

SIENNA ENVIRONMENTAL TECHNOLOGIES

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Air Sampling Worksheet
Chain of Custody

06/20/18 — Date	Silo #3 — Work Area Location
Nike Missile BU-34/35 — Job Name	Tantara Corp. — Client
3239 — Job #	Mark Lovejoy — Client Contact

70°F / No Rain / Low Wind — Temp/Rain/Wind

20171218

605 — Calibrator # / DC - Lite Primary Flow

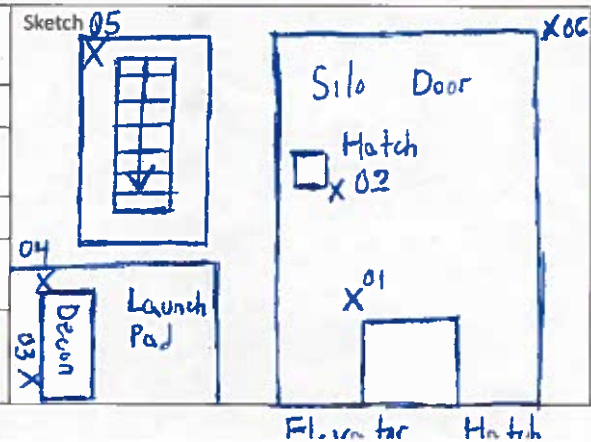
Turnaround (circle): 3 hour | 6 hour | 24 hour | 48 hour | Other

Analysis (circle): PCM | TEM | other

Sample Number	Pump #	Sample Location	IB OB	IWA OWA	BA EX / C PE	Time (military) Start	Stop	Tot	Flow (LPM) Beg	End	Avg	Volume (liters)	Results (f/cc)
062018-3239-01		Critical 1 - Elevator Hatch	OB	OWA	P	1030	1630	360	2.9	2.9	2.9	1044	
02		Critical 2 - [redacted] Silo Door Hatch				1031	1631	360	2.9	2.9	2.9	1044	
03		Decon entrance				1032	1632	360	2.9	2.9	2.9	1044	
04		Decon exit				1033	1633	360	2.9	2.9	2.9	1044	
05		Work area entrance/exit, airlock				1034	1634	360	2.9	2.9	2.9	1044	
06		Ambient air				1035	1635	360	2.9	2.9	2.9	1044	
07		Field Blank											
08		Box Blank											
[redacted]													

Craig Mikida — Sampler	06/20/18	:
Craig Mikida — Relinquished by	06/20/18	:
	6/21/18	8:01
Received by lab	535554	

Sketch



Comments/Special Conditions

[redacted]

SIENNA
ENVIRONMENTAL TECHNOLOGIES

350 Elmwood Ave. - Buffalo, NY 14222
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LABORATORY REPORT

Attention: Mark Lovejoy
Client: Tantara Corporation
54 Mason Street
Worcester, MA 01610
Project: SET 3239- Nike Missile Silo BU- 34/35- Silo #3

Lab Project #: S35555
Sample Date: 6/21/2018
Date Received: 6/22/2018
Analysis Date: 6/22/2018

PHASE CONTRAST MICROSCOPY BY NIOSH METHOD 7400, Fourth Edition, Issue 2, 8/15/94

Sample	Location	Type	Sample Date	Volume	Fibers	Fields	Fibers/mm2	Fibers/cc
062118-3239-01	Critical 1- Elevator Hatch	P	6/21/2018	913.5	7.5	100	9.55	0.004
062118-3239-02	Critical 2- Silo Door Hatch	P	6/21/2018	913.5	1	100	1.27	<0.003
062118-3239-03	Decon Entrance	P	6/21/2018	913.5	2	100	2.55	<0.003
062118-3239-04	Decon Exit	P	6/21/2018	913.5	3	100	3.82	<0.003
062118-3239-05	Work Area Entrance/Exit, Airlock	P	6/21/2018	913.5	2	100	2.55	<0.003
062118-3239-06	Negative Air Exhaust	P	6/21/2018	913.5	0	100	0	<0.003
062118-3239-07	Ambient Air	P	6/21/2018	913.5	1	100	1.27	<0.003
062118-3239-08	Field Blank	BL	6/21/2018		0	100		
062118-3239-09	Box Blank	BL	6/21/2018		0	100		

Carson Cain
Analyst

Approved Signatory

B=Background P=Preparation A=Abatement C=Clearance
CR=Clearance Rush EX=Excursion Air PE=Personal Air Sample BL=Blank

Results relate only to samples as provided by client. This laboratory is not responsible for sample collection activities, analytical method limitations or data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. This report shall not be reproduced, except in full, without written approval by Sienna. The Sr for analysts is calculated per NIOSH Method 7400 using quality control data including 95% Confidence Interval (CI). Minimum volume of 900L required by NIOSH Method 7400 to reach CI of 95% at Method's Limit of Detection (LOD) at < 0.01 fiber/cc.
Analysts' Sr Ranges: Low .37, Med .24, High .16. NYS ELAP #11727

SIENNA ENVIRONMENTAL TECHNOLOGIES

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Air Sampling Worksheet
Chain of Custody

06/21/18 — Date	Silo #3 — Work Area Location
Nike Missile BU-34/35 — Job Name	Tantara Corp. — Client
3239 — Job #	Mark Lovejoy — Client Contact

70°F / No Rain / Low Wind — Temp/Rain/Wind

20171218 — Calibrator #

C05 — DC - Lite Primary Flow

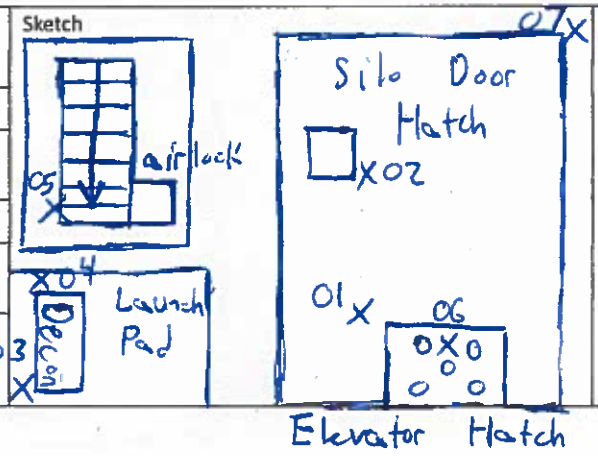
Turnaround (circle): 3 hour | 6 hour | (24 hour) | 48 hour | Other ____

Analysis (circle): (PCM) | TEM | ____ other

Sample Number	Pump #	Sample Location	IB OB	IWA OWA	B A EX / D C PE	Time (military) Start	Stop	Tot	Flow (LPM) Beg	End	Avg	Volume (liters)	Results (f/cc)
C62118-3239-01		Critical 1 - Elevator Hatch	OB	OWA	P	0800	1315	315	2.9	2.9	2.9	913.5	
02		Critical 2 - Silo Door Hatch	↓	↓	↓	0801	1316	315	2.9	2.9	2.9	913.5	
03		Decon entrance				0802	1317	315	2.9	2.9	2.9	913.5	
04		Decon exit				0803	1318	315	2.9	2.9	2.9	913.5	
05		Work area entrance/exit, airlock				0804	1319	315	2.9	2.9	2.9	913.5	
06		Negative air exhaust				0805	1320	315	2.9	2.9	2.9	913.5	
07		Ambient air				0806	1321	315	2.9	2.9	2.9	913.5	
08		Field Blank											
↓ 09		Box Blank											

Craig Mikida — Sampler	06/21/18	:
Craig — Relinquished by	06/21/18	:
	6/21/18	8:52
Received by lab	535555	

Sketch



Comments/Special Conditions

SIENNA
ENVIRONMENTAL TECHNOLOGIES

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LABORATORY REPORT

Attention: Mark Lovejoy
Client: Tantara Corporation
54 Mason Street
Worcester, MA 01610

Project: SET 3239- Nike Missile Silo BU- 34/35- Silo #3

Lab Project #: S35578
Sample Date: 6/25/2018
Date Received: 6/26/2018
Analysis Date: 6/26/2018

PHASE CONTRAST MICROSCOPY BY NIOSH METHOD 7400, Fourth Edition, Issue 2, 8/15/94

Sample	Location	Type	Sample Date	Volume	Fibers	Fields	Fibers/mm2	Fibers/cc
062518-3239-01	Critical 1- Elevator Hatch	A	6/25/2018	1479	3	100	3.82	<0.002
062518-3239-02	Critical 2- Silo Door Hatch	A	6/25/2018	1479	8	100	10.19	0.003
062518-3239-03	Decon Entrance	A	6/25/2018	1479	0.5	100	0.64	<0.002
062518-3239-04	Decon Exit	A	6/25/2018	1479	1	100	1.27	<0.002
062518-3239-05	Work Area Entrance/Exit, Airlock	A	6/25/2018	1479	0	100	0	<0.002
062518-3239-06	Negative Air Exhaust	A	6/25/2018	1479	0	100	0	<0.002
062518-3239-07	Ambient Air	A	6/25/2018	1479	0	100	0	<0.002
062518-3239-08	Field Blank	BL	6/25/2018		0	100		
062518-3239-09	Box Blank	BL	6/25/2018		0	100		

Carson Cain
Analyst

Approved Signatory

B=Background P=Preparation A=Abatement C=Clearance
CR=Clearance Rush EX=Excursion Air PE=Personal Air Sample BL=Blank

Results relate only to samples as provided by client. This laboratory is not responsible for sample collection activities, analytical method limitations or data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. This report shall not be reproduced, except in full, without written approval by Sienna. The Sr for analysts is calculated per NIOSH Method 7400 using quality control data including 95% Confidence Interval (CI). Minimum volume of 900L required by NIOSH Method 7400 to reach CI of 95% at Method's Limit of Detection (LOD) at < 0.01 fiber/cc.
Analysts' Sr Ranges: Low .37, Med .24, High .16. NYS ELAP #11727

SIENNA ENVIRONMENTAL TECHNOLOGIES

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Air Sampling Worksheet
Chain of Custody

Date: 06/25/18	Work Area Location: Silo #3
Job Name: Nike Missile BU-34/35	Client: Tantara Corp.
Job #: 3239	Client Contact: Mark Lowejoy
Temp/Rain/Wind: 70°F / No Rain / Low Wind	
Calibrator #: 20171218 C05	DC - Lite / Primary Flow

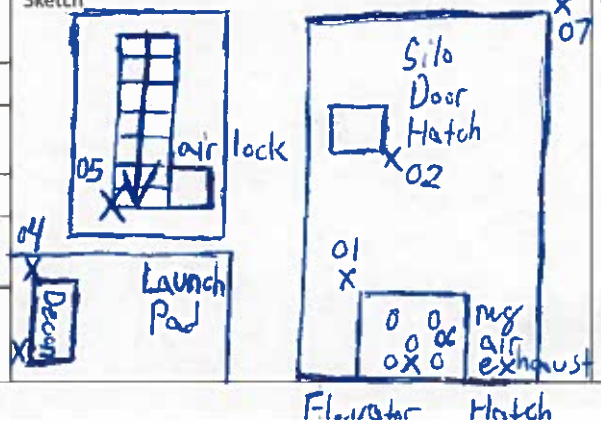
Turnaround (circle): 3 hour | 6 hour | ~~24 hour~~ | 48 hour | Other ____

Analysis (circle): ~~PCM~~ | TEM | other ____

Sample Number	Pump #	Sample Location	IB OB	IWA OWA	B A EX / P C PE	Time (military) Start	Stop	Tot	Flow (LPM) Beg	End	Avg	Volume (liters)	Results (f/cc)
062518-3239-01		Critical 1 - Elevator Hatch	OB	OWA	A	0800	1630	510	2.9	2.9	2.9	1479	
02		Critical 2 - Silo Door Hatch	↓	↓	↓	0801	1631	510	2.9	2.9	2.9	1479	
03		Decon entrance				0802	1632	510	2.9	2.9	2.9	1479	
04		Decon exit				0803	1633	510	2.9	2.9	2.9	1479	
05		Work area entrance/exit, airlock				0804	1634	510	2.9	2.9	2.9	1479	
06		Negative air exhaust				0805	1635	510	2.9	2.9	2.9	1479	
07		Ambient air				0806	1636	510	2.9	2.9	2.9	1479	
08		Field Blank											
09		Box Blank											

Craig Mikida Sampler	06/25/18	:
Craig Relinquished by	06/25/18	:
	6/26/18	8:54
Received by lab	535578	03

Sketch



Comments/Special Conditions

SIENNA
ENVIRONMENTAL TECHNOLOGIES

350 Elmwood Ave. - Buffalo, NY 14222
(P) 716.332.3134 (F) 716.332.3136

LABORATORY REPORT

Attention: Mark Lovejoy
Client: Tantara Corporation
54 Mason Street
Worcester, MA 01610
Project: SET3239 - Nike Missile BU- 34/35 - Silo #3

Lab Project #: S35589
Sample Date: 6/26/2018
Date Received: 6/27/2018
Analysis Date: 6/27/2018

PHASE CONTRAST MICROSCOPY BY NIOSH METHOD 7400, Fourth Edition, Issue 2, 8/15/94

Sample	Location	Type	Sample Date	Volume	Fibers	Fields	Fibers/mm2	Fibers/cc
062618-3239-01	Critical 1 - Elevator Hatch	A	6/26/2018	1479	4	100	5.1	<0.002
062618-3239-02	Critical 2 - Silo Door Hatch	A	6/26/2018	1479	2	100	2.55	<0.002
062618-3239-03	Decon Entrance	A	6/26/2018	1479	4.5	100	5.73	<0.002
062618-3239-04	Decon Exit	A	6/26/2018	1479	5.5	100	7.01	0.002
062618-3239-05	Work Area Entrance/Exit, Airlock	A	6/26/2018	1479	3	100	3.82	<0.002
062618-3239-06	Negative Air Exhaust	A	6/26/2018	1479	0	100	0	<0.002
062618-3239-07	Ambient Air	A	6/26/2018	1479	3	100	3.82	<0.002
062618-3239-08	Field Blank	BL	6/26/2018		0	100		
062618-3239-09	Box Blank	BL	6/26/2018		0	100		

Amanda Bentley
Analyst

Approved Signatory

B=Background P=Preparation A=Abatement C=Clearance
CR=Clearance Rush EX=Excursion Air PE=Personal Air Sample BL=Blank

Results relate only to samples as provided by client. This laboratory is not responsible for sample collection activities, analytical method limitations or data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. This report shall not be reproduced, except in full, without written approval by Sienna. The Sr for analysts is calculated per NIOSH Method 7400 using quality control data including 95% Confidence Interval (CI). Minimum volume of 900L required by NIOSH Method 7400 to reach CI of 95% at Method's Limit of Detection (LOD) at < 0.01 fiber/cc.
Analysts' Sr Ranges: Low .41, Med .25, High .20. NYS ELAP #11727

SIENNA ENVIRONMENTAL TECHNOLOGIES

350 Elmwood Ave. • Buffalo, NY 14222
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Air Sampling Worksheet
Chain of Custody

06/26/18 — Date	Silo #3 — Work Area Location
Nike Missile BU-34/35 — Job Name	Tantara Corp. — Client
3239 — Job #	Mark Lovejoy — Client Contact
70°F / No Rain / Low Wind — Temp/Rain/Wind	20171218
605 — Calibrator #	DC - Lite / Primary Flow

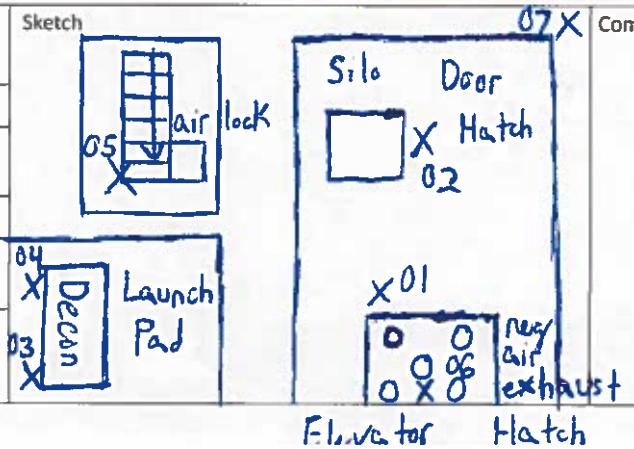
Turnaround (circle): 3 hour | 6 hour | (24 hour) | 48 hour | Other ____

Analysis (circle): (PCM) | TEM | ____ other

Sample Number	Pump #	Sample Location	IB OB	IWA OWA	B @ EX P C PE	Time (military) Start	Stop	Tot	Flow (LPM) Beg	End	Avg	Volume (liters)	Results (f/cc)
OC2618-3239-01		Critical 1 - Elevator Hatch	OB	OWA	A	0800	1600	510	2.9	2.9	2.9	1479	
02		Critical 2 - Silo Door Hatch	↓	↓	↓	0801	1601	510	2.9	2.9	2.9	1479	
03		Decon entrance				0802	1602	510	2.9	2.9	2.9	1479	
04		Decon exit				0803	1603	510	2.9	2.9	2.9	1479	
05		Work area entrance/exit, airlock				0804	1604	510	2.9	2.9	2.9	1479	
06		Negative air exhaust				0805	1605	510	2.9	2.9	2.9	1479	
07		Ambient air				0806	1606	510	2.9	2.9	2.9	1479	
08		Field Blank											
09		Box Blank											

Craig Mikida — Sampler	06/26/18	:
Craig — Relinquished by	06/26/18	:
	6/27/18	8:04
Received by lab	535589	

Sketch



Comments/Special Conditions

SIENNA
ENVIRONMENTAL TECHNOLOGIES

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LABORATORY REPORT

Attention: Mark Lovejoy
Client: Tantara Corporation
54 Mason Street
Worcester, MA 01610

Project: SET3239- Nike Missile BU- 34/35 - Silo #3

Lab Project #: S35599
Sample Date: 6/27/2018
Date Received: 6/28/2018
Analysis Date: 6/28/2018

PHASE CONTRAST MICROSCOPY BY NIOSH METHOD 7400, Fourth Edition, Issue 2, 8/15/94

Sample	Location	Type	Sample Date	Volume	Fibers	Fields	Fibers/mm2	Fibers/cc
062718-3239-01	Critical 1 - Elevator Hatch	C	6/27/2018	1479	1	100	1.27	<0.002
062718-3239-02	Critical 2 - Silo Door Hatch	C	6/27/2018	1479	4	100	5.1	<0.002
062718-3239-03	Decon Entrance	C	6/27/2018	1479	6.5	100	8.28	0.002
062718-3239-04	Decon Exit	C	6/27/2018	1479	2.5	100	3.18	<0.002
062718-3239-05	Work Area Entrance/Exit, Airlock	C	6/27/2018	1479	3	100	3.82	<0.002
062718-3239-06	Negative Air Exhaust	C	6/27/2018	1479	0	100	0	<0.002
062718-3239-07	Ambient Air	C	6/27/2018	1479	3.5	100	4.46	<0.002
062718-3239-08	Back Up Negative Air Machine	C	6/27/2018	1479	6	100	7.64	0.002
062718-3239-09	Structure Under Elevator Hatch	C	6/27/2018	1479	7.5	100	9.55	0.002
062718-3239-10	Near Airlock and Personnel Room	C	6/27/2018	1479	5.5	100	7.01	0.002
062718-3239-11	Centered East Side of Elevator	C	6/27/2018	1479	5.5	100	7.01	0.002
062718-3239-12	Centered West Side of Elevator	C	6/27/2018	1479	5.5	100	7.01	0.002
062718-3239-13	Field Blank	BL	6/27/2018		0	100		
062718-3239-14	Box Blank	BL	6/27/2018		0	100		

Amanda Bentley
Analyst

Approved Signatory

B=Background P=Preparation A=Abatement C=Clearance
CR=Clearance Rush EX=Excursion Air PE=Personal Air Sample BL=Blank

SIENNA ENVIRONMENTAL TECHNOLOGIES

350 Elmwood Ave. • Buffalo, NY 14222
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Air Sampling Worksheet
Chain of Custody

Date: 06/27/18	Work Area Location: Silo #3
Job Name: Nike Missile BU-34/35	Client: Tantara Corp.
Job #: 3239	Client Contact: Mark Lovejoy
Temp/Rain/Wind: 70°F / Light Rain / Low Wind	
Calibrator #: 20171218 / 605	DC - Lite Primary Flow

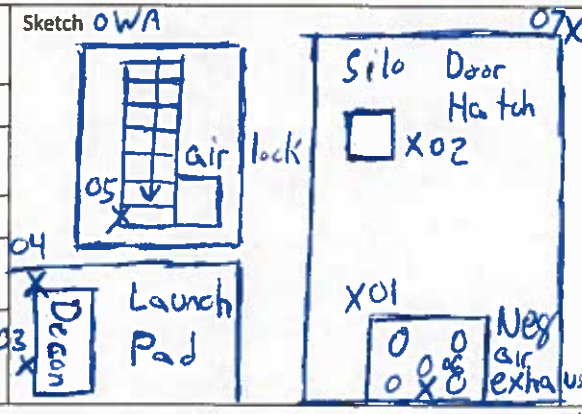
Turnaround (circle): 3 hour | 6 hour | ~~24 hour~~ | 48 hour | Other ____

Analysis (circle): ~~PCM~~ | TEM | other ____

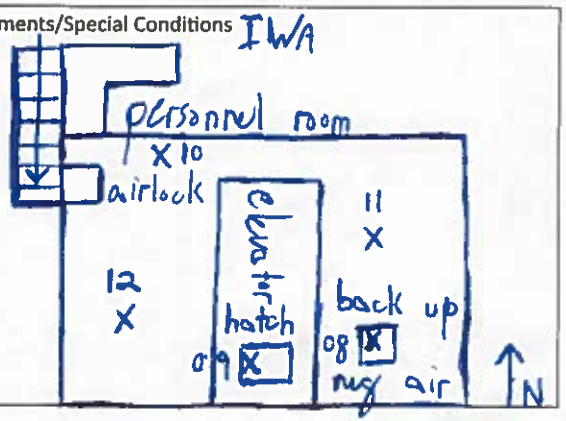
Sample Number	Pump #	Sample Location	IB OB	IWA OWA	B A EX	P O PE	Time (military) Start	Stop	Tot	Flow (LPM) Beg	End	Avg	Volume (liters)	Results (f/cc)
062718-3239-01		Critical 1 - Elevator Hatch	OB	OWA	C		0800	1630	510	2.9	2.9	2.9	1479	
02		Critical 2 - Silo Door Hatch	OB	OWA			0801	1631	510	2.9	2.9	2.9	1479	
03		Decon entrance	OB	OWA			0802	1632	510	2.9	2.9	2.9	1479	
04		Decon exit	OB	OWA			0803	1633	510	2.9	2.9	2.9	1479	
05		Work area entrance/exit, airlock	OB	OWA			0804	1634	510	2.9	2.9	2.9	1479	
06		Negative air exhaust	OB	OWA			0805	1635	510	2.9	2.9	2.9	1479	
07		Ambient air	OB	OWA			0806	1636	510	2.9	2.9	2.9	1479	
08		Back up negative air machine	IB	IWA			0807	1637	510	2.9	2.9	2.9	1479	
09		Structure under elevator hatch	IB	IWA			0808	1638	510	2.9	2.9	2.9	1479	
10		Near airlock and personnel room	IB	IWA			0809	1639	510	2.9	2.9	2.9	1479	
11		Centered East side of elevator	IB	IWA			0810	1640	510	2.9	2.9	2.9	1479	
12		Centered West side of elevator	IB	IWA	↓		0811	1641	510	2.9	2.9	2.9	1479	
13		Field Blank												
14		Box Blank												

Craig Mikida (Sampler)	06/27/18	:
Craig Mikida (Relinquished by)	06/27/18	:
Amanda Bentley (Received by lab)	6/28/18	8:09
	535595	

Sketch OWA



Comments/Special Conditions IWA



SIENNA
ENVIRONMENTAL TECHNOLOGIES

350 Elmwood Ave. · Buffalo, NY 14222
(P) 716.332.3134 (F) 716.332.3136

LABORATORY REPORT

Attention: Mark Lovejoy
Client: Tantara Corporation
54 Mason Street
Worcester, MA 01610

Project: SET 3239- Nike Missile BV- 34/35- Silo #5

Lab Project #: S35692
Sample Date: 7/9/2018
Date Received: 7/10/2018
Analysis Date: 7/10/2018

PHASE CONTRAST MICROSCOPY BY NIOSH METHOD 7400, Fourth Edition, Issue 2, 8/15/94

Sample	Location	Type	Sample Date	Volume	Fibers	Fields	Fibers/mm2	Fibers/cc
0709-3239-01	Decon Entrance- E. of Silo #5	P	7/9/2018	900	5.5	100	7.01	0.003
0709-3239-02	Decon Exit- E. of Silo #5	P	7/9/2018	900	1	100	1.27	<0.003
0709-3239-03	Ambient- NW Corner of Elev. Pad	P	7/9/2018	900	2	100	2.55	<0.003
0709-3239-04	Work Area Entrance- Silo #5 Stairs	P	7/9/2018	900	1	100	1.27	<0.003
0709-3239-05	Crit. #1- W. of Hatch	P	7/9/2018	900	1	100	1.27	<0.003
0709-3239-06	Crit. #2- S. of Hatch	P	7/9/2018	900	0.5	100	0.64	<0.003
0709-3239-07	Field Blank	BL	7/9/2018		0	100		
0709-3239-08	Box Blank	BL	7/9/2018		0	100		

Carson Cain
Analyst

Approved Signatory

B=Background P=Preparation A=Abatement C=Clearance
CR=Clearance Rush EX=Excursion Air PE=Personal Air Sample BL=Blank

Results relate only to samples as provided by client. This laboratory is not responsible for sample collection activities, analytical method limitations or data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. This report shall not be reproduced, except in full, without written approval by Sienna. The Sr for analysts is calculated per NIOSH Method 7400 using quality control data including 95% Confidence Interval (CI). Minimum volume of 900L required by NIOSH Method 7400 to reach CI of 95% at Method's Limit of Detection (LOD) at < 0.01 fiber/cc
Analysts' Sr Ranges: Low .37, Med .24, High .16. NYS ELAP #11727

SIENNA ENVIRONMENTAL TECHNOLOGIES

350 Elmwood Ave. • Buffalo, NY 14222
Ⓟ 716-332.3134 Ⓕ 716.332.3136

Air Sampling Worksheet
Chain of Custody

7/9/18 — Date	Silo #5 — Work Area Location
Nike Missile BV-34/35 — Job Name	Tantara Corp — Client
3239 — Job #	Mark Lovejoy — Client Contact
74°F / No / 0-5 — Temp/Rain/Wind	
20170116	
404 — Calibrator #	DC - Lite Primary Flow

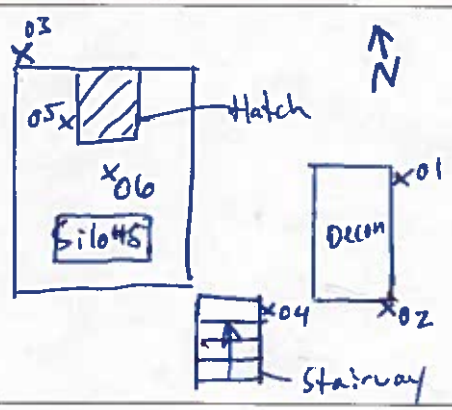
Turnaround (circle): 3 hour | 6 hour | (24 hour) | 48 hour | Other ____

Analysis (circle): (PCM) | TEM | other ____

Sample Number	Pump #	Sample Location	IB OB	IWA OWA	B A EX P C PE	Time (military) Start	Stop	Tot	Flow (LPM) Beg	End	Avg	Volume (liters)	Results (f/cc)
0709-3239-01		Decon Entrance - E. of Silo #5	OB	OWA	P	0730	1330	360	2.5	2.5	2.5	900	
02		Decon Exit - E. of Silo #5				0731	1331	360	2.5	2.5	2.5	900	
03		Ambient - NW Corner of Elev. Pad				0733	1333	360	2.5	2.5	2.5	900	
04		Work Area Entrance - Silo #5 Stairs				0735	1335	360	2.5	2.5	2.5	900	
05		Crit. #1 - W. of Hatch				0737	1337	360	2.5	2.5	2.5	900	
06		Crit. #2 - S. of Hatch	OB	OWA	P	0738	1338	360	2.5	2.5	2.5	900	
07		Field Blank			BL								
08		Box Blank			BL								

S. Fitzgerald — Sampler	7/9/18	:
Relinquished by	7/9/18	:
	7/10/18	8:05
Received by lab	535692	

Sketch



Comments/Special Conditions

SIENNA
ENVIRONMENTAL TECHNOLOGIES

350 Elmwood Ave. • Buffalo, NY 14222
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LABORATORY REPORT

Attention: Mark Lovejoy
Client: Tantara Corporation
54 Mason Street
Worcester, MA 01610

Project: SET 3239- Nike U/G Missile Silo BU 34/35- Silo #5

Lab Project #: S35706
Sample Date: 7/10/2018
Date Received: 7/11/2018
Analysis Date: 7/11/2018

PHASE CONTRAST MICROSCOPY BY NIOSH METHOD 7400, Fourth Edition, Issue 2, 8/15/94

Sample	Location	Type	Sample Date	Volume	Fibers	Fields	Fibers/mm2	Fibers/cc
0710-3239-01	Decon Ent.- E. of Silo	A	7/10/2018	1250	1	100	1.27	<0.002
0710-3239-02	Decon Exit- E. of Silo	A	7/10/2018	1250	2	100	2.55	<0.002
0710-3239-03	Ambient- NW of Elev. Pad	A	7/10/2018	1250	1.5	100	1.91	<0.002
0710-3239-04	Work Area Ent.- on Stairway	A	7/10/2018	1250	0	100	0	<0.002
0710-3239-05	Crit #1- N. of Elev. Pad	A	7/10/2018	1250	1	100	1.27	<0.002
0710-3239-06	Crit #2- S. of Elev. Pad	A	7/10/2018	1250	0	100	0	<0.002
0710-3239-07	Neg. Air Exhaust- Elev. Hatch	A	7/10/2018	1250	0	100	0	<0.002
0710-3239-08	Field Blank	BL	7/10/2018		0	100		
0710-3239-09	Box Blank	BL	7/10/2018		0	100		

Carson Cain
Analyst

Approved Signatory

B=Background P=Preparation A=Abatement C=Clearance
CR=Clearance Rush EX=Excursion Air PE=Personal Air Sample BL=Blank

SIENNA ENVIRONMENTAL TECHNOLOGIES

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P 716-332.3134 F 716.332.3136

Air Sampling Worksheet
Chain of Custody

7/10/18 — Date	Silo #5 — Work Area Location
Nike U/6 Missile Silo BU 34/35 — Job Name	Tantara Corp — Client
3239 — Job #	Mark Lovejoy — Client Contact
75 / No / 0-5 — Temp/Rain/Wind	
20170116	
404 — Calibrator #	DC - Lite Primary Flow

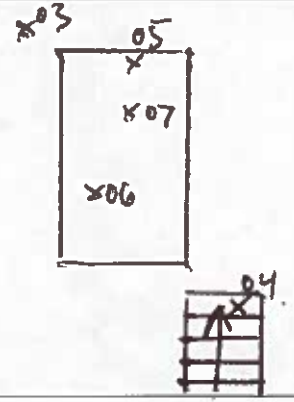
Turnaround (circle): 3 hour | 6 hour | (24 hour) | 48 hour | Other ____

Analysis (circle): (PCM) | TEM | other ____

Sample Number	Pump #	Sample Location	IB OB	IWA OWA	B A EX	P C PE	Time (military) Start	Stop	Tot	Flow (LPM) Beg	End	Avg	Volume (liters)	Results (f/cc)
0710-3239-01		Decon Ent. - E. of Silo	OB	OWA	A		0742	1602	500	2.5	2.5	2.5	1250	
02		Decon Exit - E. of Silo.					0743	1603	500	2.5	2.5	2.5	1250	
03		Ambient - NW of Elev. Pad					0745	1605	500	2.5	2.5	2.5	1250	
04		Work Area Ent. - On Stairway					0747	1607	500	2.5	2.5	2.5	1250	
05		Crit #1 - N. of Elev. Pad					0748	1608	500	2.5	2.5	2.5	1250	
06		Crit #2 - S. of Elev. Pad					0749	1609	500	2.5	2.5	2.5	1250	
07		Neg. Air - Exhaust - Elev. Hatch	OB	OWA	A		0750	1610	500	2.5	2.5	2.5	1250	
08		Field Blank			BL									
0710-3239-09		Box Blank			BL									

Sean Fitzgerald — Sampler	7/10/18	:
Relinquished by	7/10/18	:
	7/11/18	8:2
Received by lab	575 706	

Sketch



Comments/Special Conditions

EMSL Analytical, Inc.

490 Rowley Road Depew, NY 14043
Tel/Fax: (716) 651-0030 / (716) 651-0394
http://www.EMSL.com / buffalolab@emsl.com

EMSL Order: 141803488
Customer ID: SIET21
Customer PO:
Project ID:

Attention: Sean Fitzgerald
Sienna Environmental Technologies
350 Elmwood Avenue
Buffalo, NY 14222

Project: 3239 Nike Missile BU 34/35, Silo #5

Phone: (716) 332-3134
Fax: (716) 332-3136
Received Date: 07/12/2018 8:00 AM
Analysis Date: 07/12/2018
Collected Date: 07/11/2018

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method - A Rules, Revision 3, Issue 2, 8/15/94

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	LOD (fib/cc)	Fibers/ mm²	Fibers/ cc	Notes
0711-3239-01	Decon Entry- E. of Silo	7/11/2018	1287.50	<5.5	100	0.002	<7.01	<0.002	
141803488-0001									
0711-3239-02	Decon Exit- E. of Silo	7/11/2018	1287.50	<5.5	100	0.002	<7.01	<0.002	
141803488-0002									
0711-3239-03	Ambient- N. of Elev. Pad	7/11/2018	1287.50	<5.5	100	0.002	<7.01	<0.002	
141803488-0003									
0711-3239-04	Work Area Ent.- Stairway to Silo	7/11/2018	1287.50	<5.5	100	0.002	<7.01	<0.002	
141803488-0004									
0711-3239-05	Crit. #1- N. of Elev. Hatch	7/11/2018	1287.50	<5.5	100	0.002	<7.01	<0.002	
141803488-0005									
0711-3239-06	Crit. #2- SE of Elev. Hatch	7/11/2018	1287.50	<5.5	100	0.002	<7.01	<0.002	
141803488-0006									
0711-3239-07	Neg. Air Exhaust- Elev. Hatch	7/11/2018	1287.50	<5.5	100	0.002	<7.01	<0.002	
141803488-0007									
0711-3239-08	Field Blank	7/11/2018	0.00	<5.5	100		<7.01		Field Blank
141803488-0008									
0711-3239-09	Box Blank	7/11/2018	0.00	<5.5	100		<7.01		Field Blank
141803488-0009									

The results reported have been blank corrected as applicable.

Analyst(s):
Joseph Gentile PCM (9)

Rhonda McGee

Rhonda McGee, Laboratory Manager
or Other Approved Signatory

Limit of detection is 7 fibers/mm². Intra-laboratory Sr values: 5-20 fibers = 0.41, 21-50 fibers = 0.30, 51-100 fibers = 0.22. Inter-laboratory SR values (Average of EMSL round robin data) = 0.32. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. EMSL is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. Results have been blank corrected as applicable. The results in this report meet all requirements of the NELAC standards unless otherwise noted. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606

Initial report from: 07/12/2018 15:00:04

SIENNA
ENVIRONMENTAL TECHNOLOGIES
350 Elmwood Ave. • Buffalo, NY 14222
Ⓟ 716-332.3134 Ⓕ 716.332.3136

14180 3488

Air Sampling Worksheet
Chain of Custody

OrderID: 141803488

Date: 7/11/18	Work Area Location: Silo #5	Temp/Rain/Wind: 80/No/0-5	Turnaround (circle): 3 hour, 6 hour, (24 hour), 48 hour, Other
Job Name: Nike Missile BU 34/35	Client: Tantara Corp	20170116	
Job #: 3239	Client Contact: Mark Lovejoy	Calibrator #: 404 (DC - Lite Primary Flow)	Analysis (circle): (PCM), TEM, other

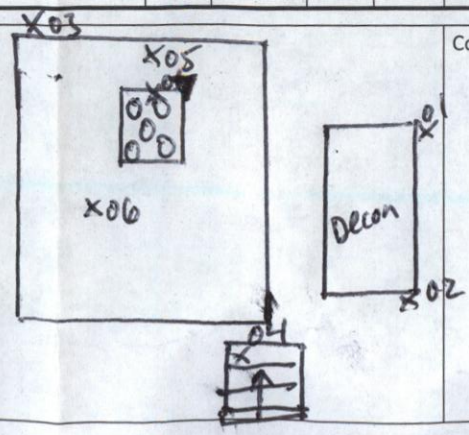
Sample Number	Pump #	Sample Location	IB OB	IWA OWA	B A EX	P C PE	Time (military) Start	Stop	Tot	Flow (LPM) Beg	End	Avg	Volume (liters)	Results (f/cc)
0711-3239-01		Decon Ent. - E. of Silo	OB	OWA	A		0730	1605	515	2.5	2.5	2.5	1287.5	
02		Decon Exit - E. of Silo					0731	1606	515	2.5	2.5	2.5	1287.5	
03		Ambient - N. of Elev. Pad					0732	1607	515	2.5	2.5	2.5	1287.5	
04		Work Area Ent. - Stairway to Silo					0734	1609	515	2.5	2.5	2.5	1287.5	
05		Crit. #1 - N. of Elev. Hatch					0735	1610	515	2.5	2.5	2.5	1287.5	
06		Crit. #2 - SW of Elev. Hatch					0736	1611	515	2.5	2.5	2.5	1287.5	
07		Neg. Air Exhaust - Elev. Hatch	OB	OWA	A		0738	1613	515	2.5	2.5	2.5	1287.5	
08		Field Blank			BL									
0711-3239 09		Box Blank			BL									

Sampler: Sean Fitzgerald — 7/11/18 :

Relinquished by — 7/11/18 :

Received by lab — RECEIVED 7/11/18 : JUL 12 2018 BY: DB 8:00am

Sketch



Comments/Special Conditions

EMSL Analytical, Inc.

490 Rowley Road Depew, NY 14043
Tel/Fax: (716) 651-0030 / (716) 651-0394
http://www.EMSL.com / buffalolab@emsl.com

EMSL Order: 141803536
Customer ID: SIET21
Customer PO:
Project ID:

Attention: Sean Fitzgerald
Sienna Environmental Technologies
350 Elmwood Avenue
Buffalo, NY 14222

Project: 3239 Nike Missile BU 34/35 Silo #5

Phone: (716) 332-3134
Fax: (716) 332-3136
Received Date: 07/12/2018 4:56 PM
Analysis Date: 07/13/2018
Collected Date: 07/12/2018

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method - A Rules, Revision 3, Issue 2, 8/15/94

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	LOD (fib/cc)	Fibers/ mm²	Fibers/ cc	Notes
0712-3239-01 *141803536-0001*	decon ent - E. of Elev. Pad	7/12/2018	1050.00	<5.5	100	0.003	<7.01	<0.003	
0712-3239-02 *141803536-0002*	decon exit - E. of Elev. Pad	7/12/2018	1050.00	<5.5	100	0.003	<7.01	<0.003	
0712-3239-03 *141803536-0003*	ambient - NE. of Elev. Pad	7/12/2018	1050.00	<5.5	100	0.003	<7.01	<0.003	
0712-3239-04 *141803536-0004*	work area ent. - on stairway	7/12/2018	1050.00	<5.5	100	0.003	<7.01	<0.003	
0712-3239-05 *141803536-0005*	crit 1 - N. of Elev. Hatch	7/12/2018	1050.00	<5.5	100	0.003	<7.01	<0.003	
0712-3239-06 *141803536-0006*	crit 2 - SW of Elev. Hatch	7/12/2018	1050.00	<5.5	100	0.003	<7.01	<0.003	
0712-3239-07 *141803536-0007*	Neg. air exhaust - on Elev. Hatch	7/12/2018	1050.00	<5.5	100	0.003	<7.01	<0.003	
0712-3239-08 *141803536-0008*	IWA 1 - NW in main room	7/12/2018	900.00	34	100	0.003	43.3	0.019	
0712-3239-09 *141803536-0009*	IWA 2 - SW in main room	7/12/2018	900.00	22	100	0.003	28.0	0.012	
0712-3239-10 *141803536-0010*	IWA 3 - NE in main room	7/12/2018	900.00	36	100	0.003	45.9	0.020	
0712-3239-11 *141803536-0011*	IWA 4 - SE in main room	7/12/2018	900.00	27	100	0.003	34.4	0.015	
0712-3239-12 *141803536-0012*	IWA 5 - Middle of escape room	7/12/2018	900.00	15	100	0.003	19.1	0.008	
0712-3239-13	field blank	7/12/2018	0.00	<5.5	100		<7.01		Field Blank

Limit of detection is 7 fibers/mm². Intra-laboratory Sr values: 5-20 fibers = 0.41, 21-50 fibers = 0.30, 51-100 fibers = 0.22. Inter-laboratory SR values (Average of EMSL round robin data) = 0.32. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. EMSL is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. Results have been blank corrected as applicable. The results in this report meet all requirements of the NELAC standards unless otherwise noted. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606

Initial report from: 07/13/2018 15:40:12

EMSL Analytical, Inc.

490 Rowley Road Depew, NY 14043
Tel/Fax: (716) 651-0030 / (716) 651-0394
http://www.EMSL.com / buffalolab@emsl.com

EMSL Order:	141803536
Customer ID:	SIET21
Customer PO:	
Project ID:	

Attention:	Sean Fitzgerald Sienna Environmental Technologies 350 Elmwood Avenue Buffalo, NY 14222	**Phone:**	(716) 332-3134
		Fax:	(716) 332-3136
		Received Date:	07/12/2018 4:56 PM
		Analysis Date:	07/13/2018
		Collected Date:	07/12/2018
Project:	3239 Nike Missile BU 34/35 Silo #5		

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method - A Rules, Revision 3, Issue 2, 8/15/94

Sample	*Location*	*Sample Date*	*Volume (liters)*	*Fibers*	*Fields*	*LOD (fib/cc)*	*Fibers/ mm²*	*Fibers/ cc*	*Notes*
141803536-0013									
0712-3239-14	blank box	7/12/2018	0.00	<5.5	100		<7.01		Field Blank
141803536-0014									

The results reported have been blank corrected as applicable.

Analyst(s):

Joseph Gentile PCM (14)

Rhonda McGee

Rhonda McGee, Laboratory Manager
or Other Approved Signatory

Limit of detection is 7 fibers/mm². Intra-laboratory Sr values: 5-20 fibers = 0.41, 21-50 fibers = 0.30, 51-100 fibers = 0.22. Inter-laboratory SR values (Average of EMSL round robin data) = 0.32. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. EMSL is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. Results have been blank corrected as applicable. The results in this report meet all requirements of the NELAC standards unless otherwise noted. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606

Initial report from: 07/13/2018 15:40:12

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141803536

Air Sampling Worksheet
Chain of Custody

7/12/18 — Date	Silo #5 — Work Area Location
Nike Missile BU 34/35 — Job Name	Tantara Corp — Client
3239 — Job #	Mark Lovejoy — Client Contact
No / 0-5 — Temp/Rain/Wind	
20170116	
404 — Calibrator #	DC - Lite Primary Flow

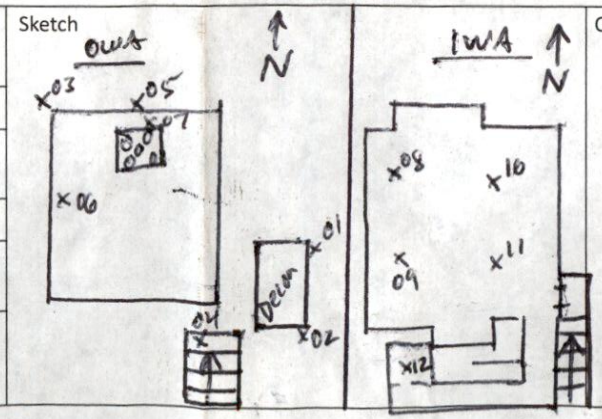
Turnaround (circle): 3 hour / 6 hour / (24 hour) / 48 hour / Other ____

Analysis (circle): (PCM) / TEM / ____ other

Sample Number	Pump #	Sample Location	IB OB	IWA OWA	B A EX	P C PE	Time (military) Start	Stop	Tot	Flow (LPM) Beg	End	Avg	Volume (liters)	Results (f/cc)
0712-3239-01		Decon Ent. E. of Elev. Pad	OB	OWA	A/C		0750	1450	420	2.5	2.5	2.5	1050	
02		Decon Exit - E. of Elev. Pad					0751	1451	420	2.5	2.5	2.5	1050	
03		Ambient - NE of Elev. Pad					0752	1452	420	2.5	2.5	2.5	1050	
04		Work Area Ent. - On Stairway					0753	1453	420	2.5	2.5	2.5	1050	
05		Crit 1 - N. of Elev. Hatch					0755	1455	420	2.5	2.5	2.5	1050	
06		Crit 2 - SW of Elev. Hatch					0756	1456	420	2.5	2.5	2.5	1050	
07		Neg. Air Exhaust - On Elev. Hatch	OB	OWA			0757	1457	420	2.5	2.5	2.5	1050	
08		IWA 1 - NW in Main Room	IB	IWA			0830	1430	360	2.5	2.5	2.5	900	
09		IWA 2 - SW in Main Room					0832	1432	360	2.5	2.5	2.5	900	
10		IWA 3 - NE in Main Room					0835	1435	360	2.5	2.5	2.5	900	
11		IWA 4 - SE in Main Room					0836	1436	360	2.5	2.5	2.5	900	
12		IWA 5 - Middle of Escape Room	IB	IWA	A/C		0839	1439	360	2.5	2.5	2.5	900	
13		Field Blank			BL									
0712-3239-14		Box Blank			BL									

Sean Fitzgerald — Sampler	7/12/18	:
Relinquished by	7/12/18	:
	/ /	:
Received by lab		

Sketch



Comments/Special Conditions

Please call Sean F. w/ results @ 716-338-6882

RECEIVED
JUL 12 2018
BY: 4:56pm MS

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490 Rowley Road Depew, NY 14043
Tel/Fax: (716) 651-0030 / (716) 651-0394
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EMSL Order: 141803615
Customer ID: SIET21
Customer PO:
Project ID:

Attention: Craig Mikida
Sienna Environmental Technologies
350 Elmwood Avenue
Buffalo, NY 14222

Project: 3239 / Nike Missile BU-34/35, Silo #5

Phone: (716) 392-8041
Fax: (716) 332-3136
Received Date: 07/16/2018 3:06 PM
Analysis Date: 07/16/2018
Collected Date: 07/16/2018

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method - A Rules, Revision 3, Issue 2, 8/15/94

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	LOD (fib/cc)	Fibers/ mm²	Fibers/ cc	Notes
071618-3239-01 *141803615-0001*	Back Up Negative Air Machine	7/16/2018	1044.00	<5.5	100	0.003	<7.01	<0.003	
071618-3239-02 *141803615-0002*	Structure Under Elevator Hatch	7/16/2018	1044.00	<5.5	100	0.003	<7.01	<0.003	
071618-3239-03 *141803615-0003*	Near Airlock and Personnel Room	7/16/2018	1044.00	<5.5	100	0.003	<7.01	<0.003	
071618-3239-04 *141803615-0004*	Centered East Side of Silo Door	7/16/2018	1044.00	<5.5	100	0.003	<7.01	<0.003	
071618-3239-05 *141803615-0005*	Centered West Side of Silo Door	7/16/2018	1044.00	<5.5	100	0.003	<7.01	<0.003	
071618-3239-06 *141803615-0006*	Critical 1 - Elevator Hatch	7/16/2018	1044.00	<5.5	100	0.003	<7.01	<0.003	
071618-3239-07 *141803615-0007*	Critical 2 - Vent Hatch	7/16/2018	1044.00	<5.5	100	0.003	<7.01	<0.003	
071618-3239-08 *141803615-0008*	Decon Entrance	7/16/2018	1044.00	<5.5	100	0.003	<7.01	<0.003	
071618-3239-09 *141803615-0009*	Dexon Exit	7/16/2018	1044.00	<5.5	100	0.003	<7.01	<0.003	
071618-3239-10 *141803615-0010*	Work Area Entrance/Exit, Airlock	7/16/2018	1044.00	<5.5	100	0.003	<7.01	<0.003	
071618-3239-11 *141803615-0011*	Negative Air Exhaust	7/16/2018	1044.00	<5.5	100	0.003	<7.01	<0.003	
071618-3239-12 *141803615-0012*	Ambient Air	7/16/2018	1044.00	<5.5	100	0.003	<7.01	<0.003	
071618-3239-13	Field Blank	7/16/2018	0.00	<5.5	100		<7.01		Field Blank

Limit of detection is 7 fibers/mm². Intra-laboratory Sr values: 5-20 fibers = 0.41, 21-50 fibers = 0.30, 51-100 fibers = 0.22. Inter-laboratory SR values (Average of EMSL round robin data) = 0.32. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. EMSL is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. Results have been blank corrected as applicable. The results in this report meet all requirements of the NELAC standards unless otherwise noted. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606

Initial report from: 07/16/2018 16:18:13

EMSL Analytical, Inc.

490 Rowley Road Depew, NY 14043
Tel/Fax: (716) 651-0030 / (716) 651-0394
http://www.EMSL.com / buffalolab@emsl.com

EMSL Order:	141803615
Customer ID:	SIET21
Customer PO:	
Project ID:	

Attention:	Craig Mikida Sienna Environmental Technologies 350 Elmwood Avenue Buffalo, NY 14222	**Phone:**	(716) 392-8041
		Fax:	(716) 332-3136
		Received Date:	07/16/2018 3:06 PM
		Analysis Date:	07/16/2018
		Collected Date:	07/16/2018
Project:	3239 / Nike Missile BU-34/35, Silo #5		

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method - A Rules, Revision 3, Issue 2, 8/15/94

Sample	*Location*	*Sample Date*	*Volume (liters)*	*Fibers*	*Fields*	*LOD (fib/cc)*	*Fibers/ mm²*	*Fibers/ cc*	*Notes*
141803615-0013									
071618-3239-14	Box Blank	7/16/2018	0.00	<5.5	100		<7.01		Field Blank
141803615-0014									

The results reported have been blank corrected as applicable.

Analyst(s):

Michelle Skillman PCM (14)

Rhonda McGee

Rhonda McGee, Laboratory Manager
or Other Approved Signatory

Limit of detection is 7 fibers/mm². Intra-laboratory Sr values: 5-20 fibers = 0.41, 21-50 fibers = 0.30, 51-100 fibers = 0.22. Inter-laboratory SR values (Average of EMSL round robin data) = 0.32. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. EMSL is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. Results have been blank corrected as applicable. The results in this report meet all requirements of the NELAC standards unless otherwise noted. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606

Initial report from: 07/16/2018 16:18:13

SIENNA
ENVIRONMENTAL TECHNOLOGIES
350 Elmwood Ave. • Buffalo, NY 14222
Ⓟ 716-332.3134 Ⓕ 716.332.3136

141803615

Air Sampling Worksheet
Chain of Custody

OrderID: 141803615

07/16/18 — Date
Silo #5 — Work Area Location
Nike Missile BU-34/35 — Job Name
Tantara Corp. — Client
3239 — Job #
Mark Lovejoy — Client Contact
80°F / No Rain / Low Wind — Temp/Rain/Wind
20180321
605 — Calibrator #
DC - Lite Primary Flow

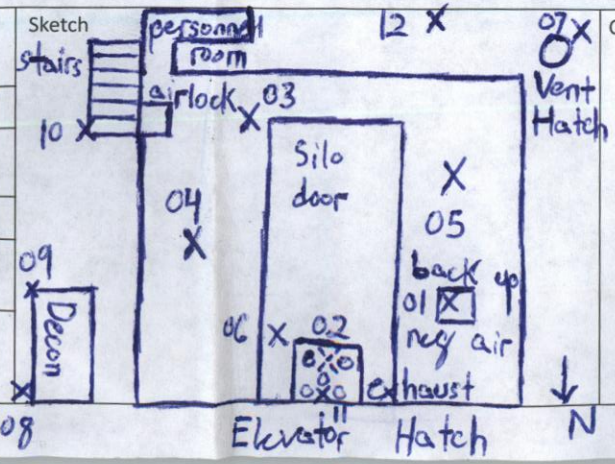
Turnaround (circle): (3 hour) 6 hour 24 hour 48 hour Other
Analysis (circle): (PCM) TEM other

Sample Number	Pump #	Sample Location	IB OB	IWA OWA	BA EX PE	Time (military) Start	Stop	Tot	Flow (LPM) Beg	End	Avg	Volume (liters)	Results (f/cc)
071618-3239-01		Back up negative air machine	IB	IWA	C	0830	1430	360	2.9	2.9	2.9	1044	
02		Structure under elevator hatch	IB	IWA		0831	1431	360	2.9	2.9	2.9	1044	
03		Near airlock and personnel room	IB	IWA		0832	1432	360	2.9	2.9	2.9	1044	
04		Centered East side of silo door	IB	IWA		0833	1433	360	2.9	2.9	2.9	1044	
05		Centered West side of silo door	IB	IWA		0834	1434	360	2.9	2.9	2.9	1044	
06		Critical 1 - Elevator Hatch	OB	OWA		0835	1435	360	2.9	2.9	2.9	1044	
07		Critical 2 - Vent Hatch	OB	OWA		0836	1436	360	2.9	2.9	2.9	1044	
08		Decon entrance	OB	OWA		0837	1437	360	2.9	2.9	2.9	1044	
09		Decon exit	OB	OWA		0838	1438	360	2.9	2.9	2.9	1044	
10		Work area entrance/exit, airlock	OB	OWA		0839	1439	360	2.9	2.9	2.9	1044	
11		Negative air exhaust	OB	OWA		0840	1440	360	2.9	2.9	2.9	1044	
12		Ambient air	OB	OWA	↓	0841	1441	360	2.9	2.9	2.9	1044	
13		Field Blank											
14		Box Blank											

Page 1 Of 1

Craig Mikida — Sampler	07/16/18	:
Craig — Relinquished by	07/16/18	:
	/ /	:
Received by lab		

Sketch



Comments/Special Conditions

Call Craig (716) 392-8041 with results. Thank You

RECEIVED
JUL 16 2018
WI
BY: 3:04 pm

SIENNA
ENVIRONMENTAL TECHNOLOGIES

350 Elmwood Ave. - Buffalo, NY 14222
(P) 716.332.3134 (F) 716.332.3136

LABORATORY REPORT

Attention: Mark Lovejoy
Client: Tantara Corporation
54 Mason Street
Worcester, MA 01610

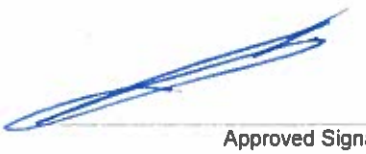
Project: SET 3239- Nike Missile BU- 34/35- Silo #4

Lab Project #: S35791
Sample Date: 7/17/2018
Date Received: 7/17/2018
Analysis Date: 7/18/2018

PHASE CONTRAST MICROSCOPY BY NIOSH METHOD 7400, Fourth Edition, Issue 2, 8/15/94

Sample	Location	Type	Sample Date	Volume	Fibers	Fields	Fibers/mm2	Fibers/cc
071718-3239-01	Critical 1- Elevator Hatch	P	7/17/2018	957	0	100	0	<0.003
071718-3239-02	Critical 2- Silo Door Hatch	P	7/17/2018	957	1	100	1.27	<0.003
071718-3239-03	Decon Entrance	P	7/17/2018	957	0	100	0	<0.003
071718-3239-04	Decon Exit	P	7/17/2018	957	0	100	0	<0.003
071718-3239-05	Work Area Entrance/Exit, Airlock	P	7/17/2018	957	1	100	1.27	<0.003
071718-3239-06	Ambient Air	P	7/17/2018	957	0	100	0	<0.003
071718-3239-07	Field Blank	BL	7/17/2018		0	100		
071718-3239-08	Box Blank	BL	7/17/2018		0	100		

Carson Cain
Analyst



Approved Signatory

B=Background
CR=Clearance Rush
P=Preparation
EX=Excursion Air
A=Abatement
PE=Personal Air Sample
C=Clearance
BL=Blank

Results relate only to samples as provided by client. This laboratory is not responsible for sample collection activities, analytical method limitations or data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. This report shall not be reproduced, except in full, without written approval by Sienna. The Sr for analysts is calculated per NIOSH Method 7400 using quality control data including 95% Confidence Interval (CI). Minimum volume of 900L required by NIOSH Method 7400 to reach CI of 95% at Method's Limit of Detection (LOD) at < 0.01 fiber/cc.
Analysts' Sr Ranges: Low .37, Med .24, High .16. NYS ELAP #11727

SIENNA ENVIRONMENTAL TECHNOLOGIES

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Air Sampling Worksheet
Chain of Custody

07/17/18 — Date	Silo #4 — Work Area Location
Nike Missile BU-34/35 — Job Name	Tantara Corp. — Client
3239 — Job #	Mark Lovejoy — Client Contact

75°F / No Rain / Low Wind — Temp/Rain/Wind

20180321

605 — Calibrator # | DC - Lite Primary Flow

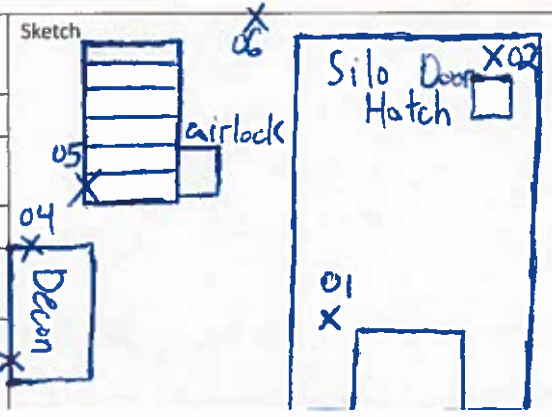
Turnaround (circle): 3 hour | 6 hour | ~~24 hour~~ | 48 hour | Other ____

Analysis (circle): PCM | TEM | other ____

Sample Number	Pump #	Sample Location	IB OB	IWA OWA	BA EX	PCPE	Time (military) Start	Stop	Tot	Flow (LPM) Beg	End	Avg	Volume (liters)	Results (f/cc)
071718-3239-01		Critical 1 - Elevator Hatch	OB	OWA	P		0855	1425	330	2.9	2.9	2.9	957	
02		Critical 2 - Silo Door Hatch					0856	1426	330	2.9	2.9	2.9	957	
03		Decon entrance					0857	1427	330	2.9	2.9	2.9	957	
04		Decon exit					0858	1428	330	2.9	2.9	2.9	957	
05		Work area entrance/exit, airlock					0859	1429	330	2.9	2.9	2.9	957	
06		Ambient air					0900	1430	330	2.9	2.9	2.9	957	
07		Field Blank												
08		Box Blank												

Craig Mikida — Sampler	07/17/18	:
Craig Mikida — Relinquished by	07/17/18	:
	7/18/18	8:01
Received by lab	S35791	

Sketch



Comments/Special Conditions

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ENVIRONMENTAL TECHNOLOGIES

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LABORATORY REPORT

Attention: Mark Lovejoy
Client: Tantara Corporation
54 Mason Street
Worcester, MA 01610

Project: SET 3239- Nike Missile BU-34/35- Silo #1

Lab Project #: S35799
Sample Date: 7/18/2018
Date Received: 7/19/2018
Analysis Date: 7/19/2018

PHASE CONTRAST MICROSCOPY BY NIOSH METHOD 7400, Fourth Edition, Issue 2, 8/15/94

Sample	Location	Type	Sample Date	Volume	Fibers	Fields	Fibers/mm2	Fibers/cc
071818-3239-01	Critical 1- Elevator Hatch	A	7/18/2018	1392	1	100	1.27	<0.002
071818-3239-02	Critical 2- Elevator Door	A	7/18/2018	1392	0	100	0	<0.002
071818-3239-03	Decon Entrance	A	7/18/2018	1392	0	100	0	<0.002
071818-3239-04	Decon Exit	A	7/18/2018	1392	1.5	100	1.91	<0.002
071818-3239-05	Work Area Entrance/Exit, Airlock	A	7/18/2018	1392	0	100	0	<0.002
071818-3239-06	Negative Air Exhaust	A	7/18/2018	1392	0	100	0	<0.002
071818-3239-07	Ambient Air	A	7/18/2018	1392	0	100	0	<0.002
071818-3239-08	Field Blank	BL	7/18/2018		0	100		
071818-3239-09	Box Blank	BL	7/18/2018		0	100		

Carson Cain
Analyst

Approved Signatory

B=Background P=Preparation A=Abatement C=Clearance
CR=Clearance Rush EX=Excursion Air PE=Personal Air Sample BL=Blank

Results relate only to samples as provided by client. This laboratory is not responsible for sample collection activities, analytical method limitations or data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. This report shall not be reproduced, except in full, without written approval by Sienna. The Sr for analysts is calculated per NIOSH Method 7400 using quality control data including 95% Confidence Interval (CI). Minimum volume of 900L required by NIOSH Method 7400 to reach CI of 95% at Method's Limit of Detection (LOD) at < 0.01 fiber/cc.
Analysts' Sr Ranges: Low .37, Med .24, High .16. NYS ELAP #11727

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Air Sampling Worksheet
Chain of Custody

07/18/18 — Date	Silo #1 — Work Area Location
Nike Missile BU-34/35 — Job Name	Tantara Corp. — Client
3239 — Job #	Mark Lovejoy — Client Contact

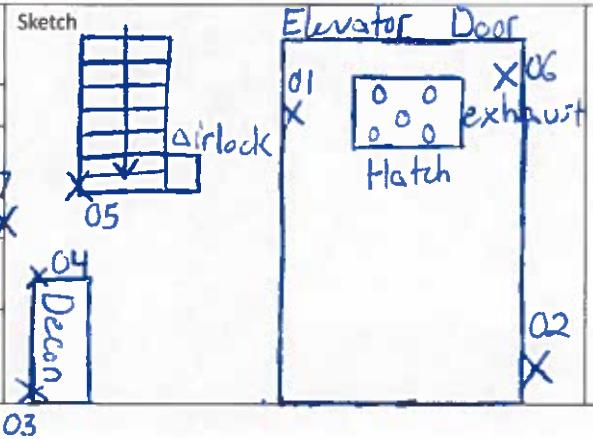
70°F / No Rain / Low Wind — Temp/Rain/Wind
20180321
605 — Calibrator # / DC - Lite Primary Flow

Turnaround (circle): 3 hour | 6 hour | 24 hour | 48 hour | Other
Analysis (circle): PCM | TEM | other

Sample Number	Pump #	Sample Location	IB OB	IWA OWA	B A EX P C PE	Time (military) Start	Stop	Tot	Flow (LPM) Beg	End	Avg	Volume (liters)	Results (f/cc)
071818-3239-01		Critical 1 - Elevator Hatch	OB	OWA	A	0824	1624	480	2.9	2.9	2.9	1392	
02		Critical 2 - Elevator Door				0825	1625	480	2.9	2.9	2.9	1392	
03		Decon entrance				0826	1626	480	2.9	2.9	2.9	1392	
04		Decon exit				0827	1627	480	2.9	2.9	2.9	1392	
05		Work area entrance/exit, airlock				0828	1628	480	2.9	2.9	2.9	1392	
06		Negative air exhaust				0829	1629	480	2.9	2.9	2.9	1392	
07		Ambient air				0830	1630	480	2.9	2.9	2.9	1392	
08		Field Blank											
09		Box Blank											

Craig Mikida — Sampler	07/18/18	:
Craig Mikida — Relinquished by	07/18/18	: 07
	7/19/18	8 84
Received by lab	535799	

Sketch



Comments/Special Conditions

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ENVIRONMENTAL TECHNOLOGIES

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(P) 716.332.3134 (F) 716.332.3136

LABORATORY REPORT

Attention: Mark Lovejoy
Client: Tantara Corporation
54 Mason Street
Worcester, MA 01610
Project: SET 3239- Nike Missile BU-34/35- Silo #1

Lab Project #: S35816
Sample Date: 7/19/2018
Date Received: 7/20/2018
Analysis Date: 7/20/2018

PHASE CONTRAST MICROSCOPY BY NIOSH METHOD 7400, Fourth Edition, Issue 2, 8/15/94

Sample	Location	Type	Sample Date	Volume	Fibers	Fields	Fibers/mm2	Fibers/cc
071918-3239-01	Critical 1- Elevator Hatch	A	7/19/2018	1218	0	100	0	<0.002
071918-3239-02	Critical 2- Elevator Door	A	7/19/2018	1218	0	100	0	<0.002
071918-3239-03	Decon Entrance	A	7/19/2018	1218	1	100	1.27	<0.002
071918-3239-04	Decon Exit	A	7/19/2018	1218	2.5	100	3.18	<0.002
071918-3239-05	Work Area Entrance/Exit, Airlock	A	7/19/2018	1218	0.5	100	0.64	<0.002
071918-3239-06	Negative Air Exhaust	A	7/19/2018	1218	4	100	5.1	<0.002
071918-3239-07	Ambient Air	A	7/19/2018	1218	0	100	0	<0.002
071918-3239-08	Field Blank	BL	7/19/2018		0	100		
071918-3239-09	Box Blank	BL	7/19/2018		0	100		

Carson Cain
Analyst

Approved Signatory

B=Background P=Preparation A=Abatement C=Clearance
CR=Clearance Rush EX=Excursion Air PE=Personal Air Sample BL=Blank

 The Sr for analysts is calculated per NIOSH Method 7400 using quality control data including 95% Confidence Interval (CI). Minimum volume of 900L required by NIOSH Method 7400 to reach CI of 95% at Method's Limit of Detection (LOD) at < 0.01 fiber/cc.
Analysts' Sr Ranges: Low .37, Med .24, High .16. NYS ELAP #11727

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Air Sampling Worksheet
Chain of Custody

07/19/18 — Date	Silo #1 — Work Area Location
Nike Missile BU-34/35 — Job Name	Tantara Corp. — Client
3239 — Job #	Mark Lovejoy — Client Contact
70°F / No Rain / Low Wind — Temp/Rain/Wind	
20180321	
605 — Calibrator #	DC - Lite / Primary Flow

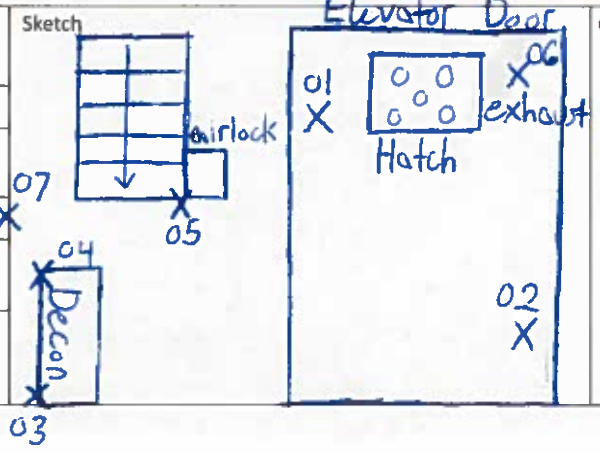
Turnaround (circle): 3 hour | 6 hour | ~~24 hour~~ | 48 hour | Other ____

Analysis (circle): ~~PCM~~ | TEM | other ____

Sample Number	Pump #	Sample Location	IB OB	IWA OWA	B A EX P C PE	Time (military) Start	Stop	Tot	Flow (LPM) Beg	End	Avg	Volume (liters)	Results (f/cc)
071918-3239-01		Critical 1 - Elevator Hatch	OB	OWA	A	0824	1524	420	2.9	2.9	2.9	1218	
02		Critical 2 - Elevator Door	↓	↓	↓	0825	1525	420	2.9	2.9	2.9	1218	
03		Decon entrance				0826	1526	420	2.9	2.9	2.9	1218	
04		Decon exit				0827	1527	420	2.9	2.9	2.9	1218	
05		Work area entrance/exit, airlock				0828	1528	420	2.9	2.9	2.9	1218	
06		Negative air exhaust				0829	1529	420	2.9	2.9	2.9	1218	
07		Ambient air				0830	1530	420	2.9	2.9	2.9	1218	
08		Field Blank											
↓ 09		Box Blank											

Craig Mikida — Sampler	07/19/18	:
Craig Mikida — Relinquished by	07/19/18	:
	7/20/18	8:07
Received by lab	535816	

Sketch



Comments/Special Conditions

SIENNA
ENVIRONMENTAL TECHNOLOGIES

350 Elmwood Ave. · Buffalo, NY 14222
(P) 716.332.3134 (F) 716.332.3136

LABORATORY REPORT

Attention: Mark Lovejoy
Client: Tantara Corporation
54 Mason Street
Worcester, MA 01610
Project: SET 3239- Nike Missile Silo BU-34/35- Silo #1

Lab Project #: S35853
Sample Date: 7/23/2018
Date Received: 7/24/2018
Analysis Date: 7/24/2018

PHASE CONTRAST MICROSCOPY BY NIOSH METHOD 7400, Fourth Edition, Issue 2, 8/15/94

Sample	Location	Type	Sample Date	Volume	Fibers	Fields	Fibers/mm2	Fibers/cc
072318-3239-01	Back up Negative Air Machine	C	7/23/2018	1392	0.5	100	0.64	<0.002
072318-3239-02	Negative Air Machine	C	7/23/2018	1392	1	100	1.27	<0.002
072318-3239-03	Center of Silo Under Elevator Doors	C	7/23/2018	1392	0.5	100	0.64	<0.002
072318-3239-04	East Side of Silo (North)	C	7/23/2018	1392	1	100	1.27	<0.002
072318-3239-05	East Side of Silo (South), Near Airlock	C	7/23/2018	1392	1	100	1.27	<0.002
072318-3239-06	Critical 1- Elevator Hatch	C	7/23/2018	1392	0	100	0	<0.002
072318-3239-07	Critical 2- Elevator Door	C	7/23/2018	1392	2	100	2.55	<0.002
072318-3239-08	Decon Entrance	C	7/23/2018	1392	5	100	6.37	<0.002
072318-3239-09	Decon Exit	C	7/23/2018	1392	5	100	6.37	<0.002
072318-3239-10	Work Area Entrance/Exit, Airlock	C	7/23/2018	1392	3	100	3.82	<0.002
072318-3239-11	Negative Air Exhaust	C	7/23/2018	1392	0	100	0	<0.002
072318-3239-12	Ambient Air	C	7/23/2018	1392	1	100	1.27	<0.002
072318-3239-13	Field Blank	BL	7/23/2018		0	100		
072318-3239-14	Box Blank	BL	7/23/2018		0	100		

Carson Cain
Analyst

Approved Signatory

B=Background
CR=Clearance Rush
P=Preparation
EX=Excursion Air
A=Abatement
PE=Personal Air Sample
C=Clearance
BL=Blank

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Analysts' Sr Ranges: Low .37, Med .24, High .16 NYS ELAP #11727

SIENNA ENVIRONMENTAL TECHNOLOGIES

350 Elmwood Ave. • Buffalo, NY 14222
Ⓟ 716-332.3134 Ⓕ 716.332.3136

Air Sampling Worksheet
Chain of Custody

07/23/18 — Date	Silo #1 — Work Area Location
Nike Missile BU-34/35 — Job Name	Tantara Corp. — Client
3239 — Job #	Mark Lovejoy — Client Contact
70°F / No Rain / Low Wind — Temp/Rain/Wind	20180321
605 — Calibrator #	DC - Lite / Primary Flow

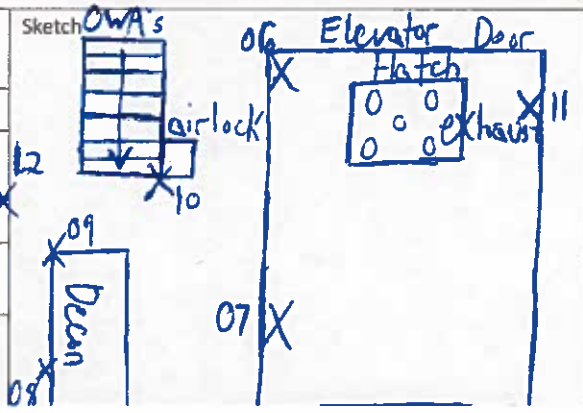
Turnaround (circle): 3 hour · 6 hour · 24 hour · 48 hour · Other ____

Analysis (circle): PCM · TEM · other ____

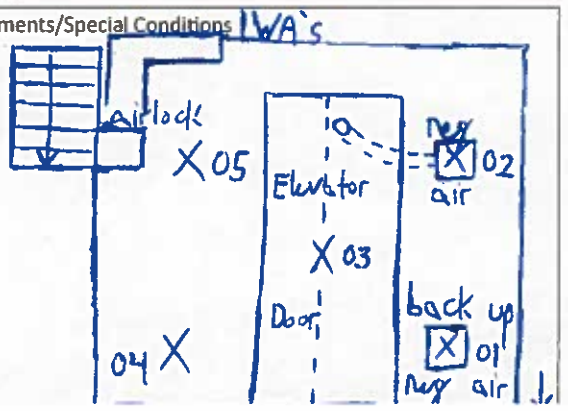
Sample Number	Pump #	Sample Location	IB OB	IWA OWA	B A EX	P C PE	Time (military) Start	Stop	Tot	Flow (LPM) Beg	End	Avg	Volume (liters)	Results (f/cc)
072318-3239-01		Back up negative air machine	IB	IWA	C		0830	1C30	480	2.9	2.9	2.9	1392	
02		Negative air machine	IB	IWA			0831	1C31	480	2.9	2.9	2.9	1392	
03		Center of silo under elevator door	IB	IWA			0832	1C32	480	2.9	2.9	2.9	1392	
04		East side of silo (north)	IB	IWA			0833	1C33	480	2.9	2.9	2.9	1392	
05		East side of silo (south), near airlock	IB	IWA			0834	1C34	480	2.9	2.9	2.9	1392	
06		Critical 1 - Elevator Hatch	OB	OWA			0835	1C35	480	2.9	2.9	2.9	1392	
07		Critical 2 - Elevator Door	OB	OWA			0836	1C36	480	2.9	2.9	2.9	1392	
08		Decon entrance	OB	OWA			0837	1C37	480	2.9	2.9	2.9	1392	
09		Decon exit	OB	OWA			0839	1C38	480	2.9	2.9	2.9	1392	
10		Work area entrance/exit, airlock	OB	OWA			0839	1C39	480	2.9	2.9	2.9	1392	
11		Negative air exhaust	OB	OWA			0840	1C40	480	2.9	2.9	2.9	1392	
12		Ambient air	OB	OWA			0841	1C41	480	2.9	2.9	2.9	1392	
13		Field Blank												
14		Box Blank												

Craig Mikida — Sampler	07/23/18	:
Craig Mikida — Relinquished by	07/23/18	:
	7/24/18	8:03
Received by lab	S35853	

Sketch



Comments/Special Conditions



SIENNA
ENVIRONMENTAL TECHNOLOGIES

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LABORATORY REPORT

Attention: Mark Lovejoy
Client: Tantara Corporation
54 Mason Street
Worcester, MA 01610

Project: SET 3239- Nike Missile Silo BU-34/35- Silo #4

Lab Project #: S35866
Sample Date: 7/25/2018
Date Received: 7/26/2018
Analysis Date: 7/26/2018

PHASE CONTRAST MICROSCOPY BY NIOSH METHOD 7400, Fourth Edition, Issue 2, 8/15/94

Sample	Location	Type	Sample Date	Volume	Fibers	Fields	Fibers/mm2	Fibers/cc
072518-3239-01	Critical 1- Elevator Hatch	P	7/25/2018	1218	0.5	100	0.64	<0.002
072518-3239-02	Critical 2- Elevator Door	P	7/25/2018	1218	3.5	100	4.46	<0.002
072518-3239-03	Decon Entrance	P	7/25/2018	1218	0	100	0	<0.002
072518-3239-04	Decon Exit	P	7/25/2018	1218	0	100	0	<0.002
072518-3239-05	Work Area Entrance/Exit, Airlock	P	7/25/2018	1218	1	100	1.27	<0.002
072518-3239-06	Ambient Air	P	7/25/2018	1218	0	100	0	<0.002
072518-3239-07	Field Blank	BL	7/25/2018		0	100		
072518-3239-08	Box Blank	BL	7/25/2018		0	100		

Carson Cain
Analyst

Approved Signatory

B=Background P=Preparation A=Abatement C=Clearance
CR=Clearance Rush EX=Excursion Air PE=Personal Air Sample BL=Blank

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Analysts' Sr Ranges: Low .37, Med .24, High .16. NYS ELAP #11727

SIENNA ENVIRONMENTAL TECHNOLOGIES

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Air Sampling Worksheet
Chain of Custody

07/25/18 — Date	Silo #4 — Work Area Location
Nike Missile BU-34/35 — Job Name	Tantara Corp. — Client
3239 — Job #	Mark Lovejoy — Client Contact

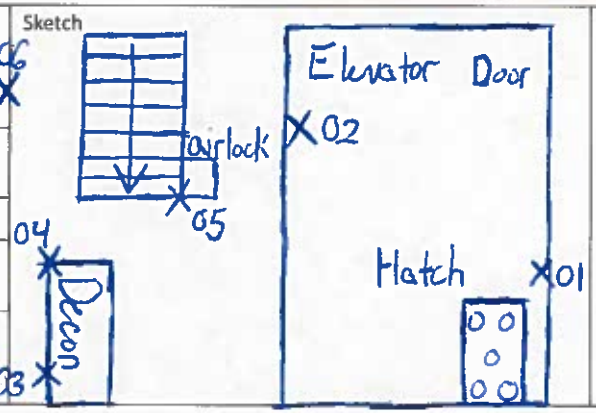
70°F / Light Rain / Low Wind — Temp/Rain/Wind
Z0180321
C-05 — Calibrator # (DC - Lite Primary Flow)

Turnaround (circle): 3 hour | 6 hour | 24 hour | 48 hour | Other
Analysis (circle): PCM | TEM | other

Sample Number	Pump #	Sample Location	IB OB	IWA OWA	B A EX	P C PE	Time (military) Start	Stop	Tot	Flow (LPM) Beg	End	Avg	Volume (liters)	Results (f/cc)
072518-3239-01		Critical 1 - Elevator Hatch	OB	OWA	P		0830	1530	420	2.9	2.9	2.9	1218	
02		Critical 2 - Elevator Door	OB	OWA	P		0831	1531	420	2.9	2.9	2.9	1218	
03		Decon entrance	OB	OWA	P		0832	1532	420	2.9	2.9	2.9	1218	
04		Decon exit	OB	OWA	P		0833	1533	420	2.9	2.9	2.9	1218	
05		Work area entrance/exit, airlock	OB	OWA	P		0834	1534	420	2.9	2.9	2.9	1218	
06		Ambient air	OB	OWA	P		0835	1535	420	2.9	2.9	2.9	1218	
07		Field Blank												
08		Box Blank												

Craig Mikida — Sampler	07/25/18	:
Craig Mikida — Relinquished by	07/25/18	:
	7/26/18	8:00
Received by lab	S 33866	

Sketch



Comments/Special Conditions

SIENNA
ENVIRONMENTAL TECHNOLOGIES

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LABORATORY REPORT

Attention: Mark Lovejoy
Client: Tantara Corporation
54 Mason Street
Worcester, MA 01610
Project: SET 3239- Nike Missile BU- 34/35- Silo #4

Lab Project #: S35881
Sample Date: 7/26/2018
Date Received: 7/27/2018
Analysis Date: 7/27/2018

PHASE CONTRAST MICROSCOPY BY NIOSH METHOD 7400, Fourth Edition, Issue 2, 8/15/94

Sample	Location	Type	Sample Date	Volume	Fibers	Fields	Fibers/mm2	Fibers/cc
72618-3239-01	Critical 1- Elevator Hatch	A	7/26/2018	1392	0	100	0	<0.002
72618-3239-02	Critical 2- Elevator Door	A	7/26/2018	1392	0	100	0	<0.002
72618-3239-03	Decon Entrance	A	7/26/2018	1392	1	100	1.27	<0.002
72618-3239-04	Decon Exit	A	7/26/2018	1392	0	100	0	<0.002
72618-3239-05	Work Area Entrance/Exit, Airlock	A	7/26/2018	1392	2	100	2.55	<0.002
72618-3239-06	Negative Air Exhaust	A	7/26/2018	1392	0	100	0	<0.002
72618-3239-07	Ambient Air	A	7/26/2018	1392	0	100	0	<0.002
72618-3239-08	Field Blank	BL	7/26/2018		0	100		
72618-3239-09	Box Blank	BL	7/26/2018		0	100		

Carson Cain
Analyst

Approved Signatory

B=Background P=Preparation A=Abatement C=Clearance
CR=Clearance Rush EX=Excursion Air PE=Personal Air Sample BL=Blank

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Analysts' Sr Ranges: Low .37, Med .24, High .16. NYS ELAP #11727

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Air Sampling Worksheet
Chain of Custody

07/26/18 — Date	Silo #4 — Work Area Location
Nike Missile BU-34/35 — Job Name	Tentara Corp. — Client
3239 — Job #	Mark Lovejoy — Client Contact

70°F / No Rain / Low Wind — Temp/Rain/Wind

20180321

605 — Calibrator # / DC - Lite Primary Flow

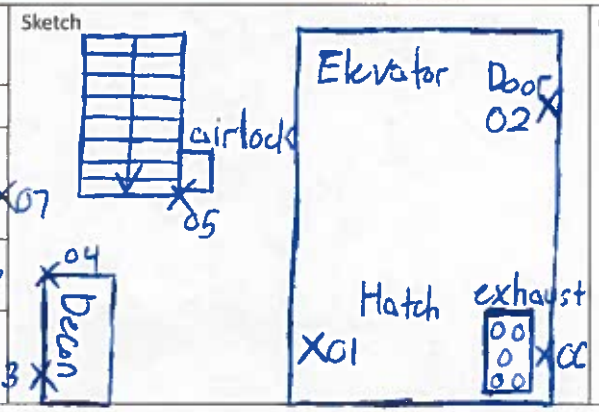
Turnaround (circle): 3 hour | 6 hour | ~~24 hour~~ | 48 hour | Other ____

Analysis (circle): PCM | TEM | other ____

Sample Number	Pump #	Sample Location	IB OB	IWA OWA	B A EX	P C PE	Time (military) Start	Stop	Tot	Flow (LPM) Beg	End	Avg	Volume (liters)	Results (f/cc)
072618-3239-01		Critical 1 - Elevator Hatch	OB	OWA	A		0830	1630	480	2.9	2.9	2.9	1392	
02		Critical 2 - Elevator Door					0831	1631	480	2.9	2.9	2.9	1392	
03		Decon entrance					0832	1632	480	2.9	2.9	2.9	1392	
04		Decon exit					0833	1633	480	2.9	2.9	2.9	1392	
05		Work area entrance/exit, airlock					0834	1634	480	2.9	2.9	2.9	1392	
06		Negative air exhaust					0835	1635	480	2.9	2.9	2.9	1392	
07		Ambient air					0836	1636	480	2.9	2.9	2.9	1392	
08		Field Blank												
09		Box Blank												

Craig Mikija — Sampler	07/26/18	:
Craig Mikija — Relinquished by	07/26/18	:
—	7/27/18	8:07
Received by lab	S35881	

Sketch



Comments/Special Conditions

SIENNA
ENVIRONMENTAL TECHNOLOGIES

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LABORATORY REPORT

Attention: Mark Lovejoy
Client: Tantara Corporation
54 Mason Street
Worcester, MA 01610
Project: SET 3239- Nike Missile BU- 34/35- Silo 4

Lab Project #: S35910
Sample Date: 7/30/2018
Date Received: 7/31/2018
Analysis Date: 7/31/2018

PHASE CONTRAST MICROSCOPY BY NIOSH METHOD 7400, Fourth Edition, Issue 2, 8/15/94

Sample	Location	Type	Sample Date	Volume	Fibers	Fields	Fibers/mm2	Fibers/cc
073018-3239-01	Critical 1- Elevator Hatch	A	7/30/2018	1392	0.5	100	0.64	<0.002
073018-3239-02	Critical 2- Elevator Door	A	7/30/2018	1392	0	100	0	<0.002
073018-3239-03	Decon Entrance	A	7/30/2018	1392	5.5	100	7.01	0.002
073018-3239-04	Decon Exit	A	7/30/2018	1392	0	100	0	<0.002
073018-3239-05	Work Area Entrance/Exit	A	7/30/2018	1392	0	100	0	<0.002
073018-3239-06	Negative Air Exhaust	A	7/30/2018	1392	0	100	0	<0.002
073018-3239-07	Ambient Air	A	7/30/2018	1392	0	100	0	<0.002
073018-3239-08	Field Blank	BL	7/30/2018		0	100		
073018-3239-09	Box Blank	BL	7/30/2018		0	100		

Carson Cain
Analyst

Approved Signatory

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CR=Clearance Rush EX=Excursion Air PE=Personal Air Sample BL=Blank

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Analysts' Sr Ranges: Low .37, Med .24, High .16. NYS ELAP #11727

SIENNA ENVIRONMENTAL TECHNOLOGIES

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Air Sampling Worksheet
Chain of Custody

07/30/18 — Date	Silo 4 — Work Area Location
Nike Missile BU-34/35 — Job Name	Tantara Corp. — Client
3239 — Job #	Mark Lovejoy — Client Contact
70°F / No Rain / Low Wind — Temp/Rain/Wind	
20180321	
G05 — Calibrator #	DC - Lite Primary Flow

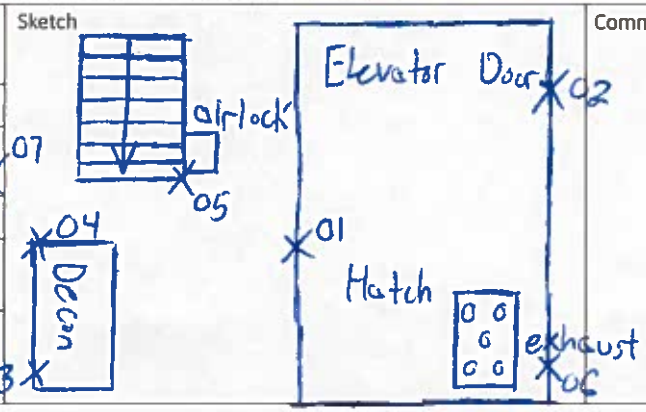
Turnaround (circle): 3 hour | 6 hour | ~~24 hour~~ | 48 hour | Other ____

Analysis (circle): ~~PCM~~ | TEM | other ____

Sample Number	Pump #	Sample Location	IB OB	IWA OWA	B A EX	P C PE	Time (military) Start	Stop	Tot	Flow (LPM) Beg	End	Avg	Volume (liters)	Results (f/cc)
073018-3239-01		Critical 1 - Elevator Hatch	OB	OWA	A		0830	1630	480	2.9	2.9	2.9	1392	
02		Critical 2 - Elevator Door					0831	1631	480	2.9	2.9	2.9	1392	
03		Decon entrance					0832	1632	480	2.9	2.9	2.9	1392	
04		Decon exit					0833	1633	480	2.9	2.9	2.9	1392	
05		Work area entrance/exit, airlock					0834	1634	480	2.9	2.9	2.9	1392	
06		Negative air exhaust					0835	1635	480	2.9	2.9	2.9	1392	
07		Ambient air					0836	1636	480	2.9	2.9	2.9	1392	
08		Field Blank												
09		Box Blank												

Craig Mikula — Sampler	07/30/18	:
Craig Mikula — Relinquished by	07/30/18	:
	7/31/18	8:11
Received by lab	S35910	

Sketch



Comments/Special Conditions

SIENNA
ENVIRONMENTAL TECHNOLOGIES

350 Elmwood Ave. - Buffalo, NY 14222
(P) 716.332.3134 (F) 716.332.3136

LABORATORY REPORT

Attention: Mark Lovejoy
Client: Tantara Corporation
54 Mason Street
Worcester, MA 01610
Project: SET 3239- Nike Missile BU- 34/35- Silo #4

Lab Project #: S35927
Sample Date: 7/31/2018
Date Received: 8/1/2018
Analysis Date: 8/1/2018

PHASE CONTRAST MICROSCOPY BY NIOSH METHOD 7400, Fourth Edition, Issue 2, 8/15/94

Sample	Location	Type	Sample Date	Volume	Fibers	Fields	Fibers/mm2	Fibers/cc
073118-3239-01	Negative Air Machine	C	7/31/2018	1218	2	100	2.55	<0.002
073118-3239-02	West Side of Silo	C	7/31/2018	1218	1.5	100	1.91	<0.002
073118-3239-03	East Side of Silo	C	7/31/2018	1218	3	100	3.82	<0.002
073118-3239-04	Back Up Negative Air Machine	C	7/31/2018	1218	0	100	0	<0.002
073118-3239-05	Near Airlock + Personnel Room	C	7/31/2018	1218	0	100	0	<0.002
073118-3239-06	Critical 1- Elevator Door	C	7/31/2018	1218	1.5	100	1.91	<0.002
073118-3239-07	Critical 2- Elevator Hatch	C	7/31/2018	1218	0.5	100	0.64	<0.002
073118-3239-08	Decon Entrance	C	7/31/2018	1218	2	100	2.55	<0.002
073118-3239-09	Decon Exit	C	7/31/2018	1218	2	100	2.55	<0.002
073118-3239-10	Work Area Entrance/Exit, Airlock	C	7/31/2018	1218	0	100	0	<0.002
073118-3239-11	Negative Air Exhaust	C	7/31/2018	1218	1	100	1.27	<0.002
073118-3239-12	Ambient Air	C	7/31/2018	1218	0	100	0	<0.002
073118-3239-13	Field	BL	7/31/2018		0	100		
073118-3239-14	Box	BL	7/31/2018		0	100		

Carson Cain
Analyst

Approved Signatory

B=Background P=Preparation A=Abatement C=Clearance
CR=Clearance Rush EX=Excursion Air PE=Personal Air Sample BL=Blank

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Analysts' Sr Ranges: Low .37, Med .24, High .16. NYS ELAP #11727

SIENNA ENVIRONMENTAL TECHNOLOGIES

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Air Sampling Worksheet
Chain of Custody

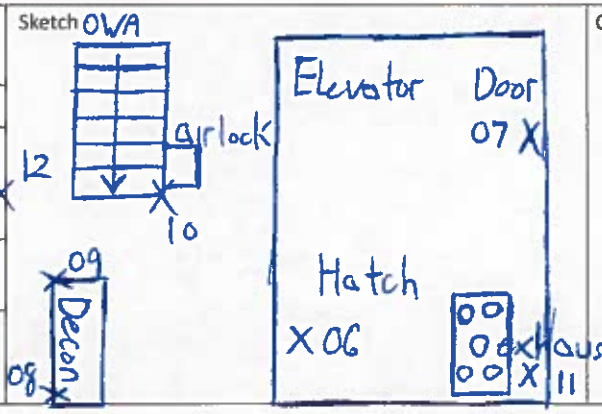
07/31/18 — Date	Silo 4 — Work Area Location
Nike Missile BU-34/35 — Job Name	Tantara Corp. — Client
3239 — Job #	Mark Lovejoy ✓ — Client Contact
70°F / No Rain / Low Wind — Temp/Rain/Wind	
20180321	
605 — Calibrator #	DC - Lite / Primary Flow

Turnaround (circle): 3 hour | 6 hour | ~~24 hour~~ | 48 hour | Other ____
Analysis (circle): ~~PCM~~ | TEM | ____ other

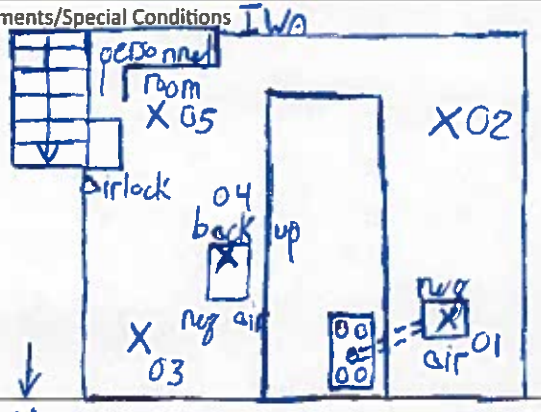
Sample Number	Pump #	Sample Location	IB OB	IWA OWA	B A EX	P C PE	Time (military) Start	Stop	Tot	Flow (LPM) Beg	End	Avg	Volume (liters)	Results (f/cc)
073118-3239-01		Negative air machine	IB	IWA	C		0819	1519	420	2.9	2.9	2.9	1218	
02		West side of silo	IB	IWA			0820	1520	420	2.9	2.9	2.9	1218	
03		East side of silo	IB	IWA			0821	1521	420	2.9	2.9	2.9	1218	
04		Back up negative air machine	IB	IWA			0822	1522	420	2.9	2.9	2.9	1218	
05		Near airlock + personnel room	IB	IWA			0823	1523	420	2.9	2.9	2.9	1218	
06		Critical 1 - Elevator Door	OB	OWA			0824	1524	420	2.9	2.9	2.9	1218	
07		Critical 2 - Elevator Hatch	OB	OWA			0825	1525	420	2.9	2.9	2.9	1218	
08		Decon entrance	OB	OWA			0826	1526	420	2.9	2.9	2.9	1218	
09		Decon exit	OB	OWA			0827	1527	420	2.9	2.9	2.9	1218	
10		Work area entrance/exit, airlock	OB	OWA			0828	1528	420	2.9	2.9	2.9	1218	
11		Negative air exhaust	OB	OWA			0829	1529	420	2.9	2.9	2.9	1218	
12		Ambient air	OB	OWA			0830	1530	420	2.9	2.9	2.9	1218	
13		Field												
14		Box												

Craig Mikida — Sampler	07/31/18	:
Craig Mikida — Relinquished by	07/31/18	:
	8/1/18	8:02
Received by lab	S35927	

Sketch OWA



Comments/Special Conditions IWA



SIENNA
ENVIRONMENTAL TECHNOLOGIES

350 Elmwood Ave. • Buffalo, NY 14222
(P) 716.332.3134 (F) 716.332.3136

LABORATORY REPORT

Attention: Mark Lovejoy
Client: Tantara Corporation
54 Mason Street
Worcester, MA 01610

Project: SET 3239- Nike Missile Silo BU 34/35- Silo 4 Exterior

Lab Project #: S35942
Sample Date: 8/1/2018
Date Received: 8/2/2018
Analysis Date: 8/2/2018

PHASE CONTRAST MICROSCOPY BY NIOSH METHOD 7400, Fourth Edition, Issue 2, 8/15/94

Sample	Location	Type	Sample Date	Volume	Fibers	Fields	Fibers/mm2	Fibers/cc
080118-3239-01	Upwind of Work, East	A	8/1/2018	1218	1	100	1.27	<0.002
080118-3239-02	Downwind of Work, West	A	8/1/2018	1218	0	100	0	<0.002
080118-3239-03	Critical 1- North	A	8/1/2018	1218	0	100	0	<0.002
080118-3239-04	Critical 2- South	A	8/1/2018	1218	2.5	100	3.18	<0.002
080118-3239-05	Decon Entrance	A	8/1/2018	1218	0	100	0	<0.002
080118-3239-06	Decon Exit	A	8/1/2018	1218	2	100	2.55	<0.002
080118-3239-07	Ambient Air	A	8/1/2018	1218	0	100	0	<0.002
080118-3239-08	Field	BL	8/1/2018		0	100		
080118-3239-09	Box	BL	8/1/2018		0	100		

Carson Cain
Analyst

Approved Signatory

B=Background P=Preparation A=Abatement C=Clearance
CR=Clearance Rush EX=Excursion Air PE=Personal Air Sample BL=Blank

Results relate only to samples as provided by client. This laboratory is not responsible for sample collection activities, analytical method limitations or data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. This report shall not be reproduced, except in full, without written approval by Sienna. The Sr for analysts is calculated per NIOSH Method 7400 using quality control data including 95% Confidence Interval (CI). Minimum volume of 900L required by NIOSH Method 7400 to reach CI of 95% at Method's Limit of Detection (LOD) at < 0.01 fiber/cc.
Analysts' Sr Ranges: Low .37, Med .24, High .16. NYS ELAP #11727

SIENNA
ENVIRONMENTAL TECHNOLOGIES

350 Elmwood Ave. • Buffalo, NY 14222
Ⓟ 716-332.3134 Ⓕ 716.332.3136

Air Sampling Worksheet
Chain of Custody

08/01/18 — Date	Silo 4 Exterior — Work Area Location
Nike Missile BU-34/35 — Job Name	Tantara Corp. — Client
3239 — Job #	Mark Lovejoy — Client Contact

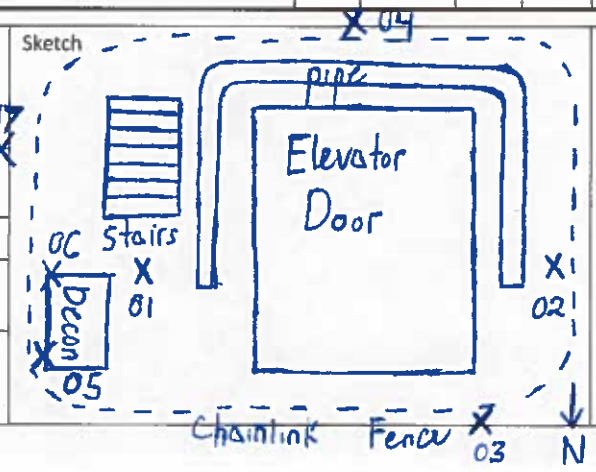
70°F/No Rain/Low Wind — Temp/Rain/Wind
20180321
G05 — Calibrator # | DC - Lite Primary Flow

Turnaround (circle): 3 hour | 6 hour | 24 hour | 48 hour | Other
Analysis (circle): PCM | TEM | other

Sample Number	Pump #	Sample Location	IB OB	IWA OWA	B A EX P C PE	Time (military) Start	Stop	Tot	Flow (LPM) Beg	End	Avg	Volume (liters)	Results (f/cc)
080118-3239-01		Upwind of work, East	OB	IWA	A	1000	1700	420	2.9	2.9	2.9	1218	
02		Downwind of work, West		IWA		1001	1701	420	2.9	2.9	2.9	1218	
03		Critical 1 - North		OWA		1002	1702	420	2.9	2.9	2.9	1218	
04		Critical 2 - South		OWA		1003	1703	420	2.9	2.9	2.9	1218	
05		Decon entrance		OWA		1004	1704	420	2.9	2.9	2.9	1218	
06		Decon exit		OWA		1005	1705	420	2.9	2.9	2.9	1218	
07		Ambient air		OWA		1006	1706	420	2.9	2.9	2.9	1218	
08		Field											
09		Box											

Craig Mikida — Sampler	08/01/18	:
Craig Mikida — Relinquished by	08/01/18	:
	8/2/18	8:06
Received by lab	535942	

Sketch



Comments/Special Conditions

SIENNA
ENVIRONMENTAL TECHNOLOGIES

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LABORATORY REPORT

Attention: Mark Lovejoy
Client: Tantara Corporation
54 Mason Street
Worcester, MA 01610

Project: SET 3239- Nike Missile BU- 34/35- Silo 4 Exterior

Lab Project #: S35947
Sample Date: 8/2/2018
Date Received: 8/3/2018
Analysis Date: 8/3/2018

PHASE CONTRAST MICROSCOPY BY NIOSH METHOD 7400, Fourth Edition, Issue 2, 8/15/94

Sample	Location	Type	Sample Date	Volume	Fibers	Fields	Fibers/mm2	Fibers/cc
080218-3239-01	Upwind of Work, East	A	8/2/2018	1392	0	100	0	<0.002
080218-3239-02	Downwind of Work, West	A	8/2/2018	1392	0.5	100	0.64	<0.002
080218-3239-03	Critical 1- North	A	8/2/2018	1392	0	100	0	<0.002
080218-3239-04	Critical 2- South	A	8/2/2018	1392	1	100	1.27	<0.002
080218-3239-05	Decon Entrance	A	8/2/2018	1392	1	100	1.27	<0.002
080218-3239-06	Decon Exit	A	8/2/2018	1392	1	100	1.27	<0.002
080218-3239-07	Ambient Air	A	8/2/2018	1392	0	100	0	<0.002
080218-3239-08	Field	BL	8/2/2018		0	100		
080218-3239-09	Box	BL	8/2/2018		0	100		

Carson Cain
Analyst

Approved Signatory

B=Background P=Preparation A=Abatement C=Clearance
CR=Clearance Rush EX=Excursion Air PE=Personal Air Sample BL=Blank

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Analysts' Sr Ranges: Low .37, Med .24, High .16 NYS ELAP #11727

SIENNA ENVIRONMENTAL TECHNOLOGIES

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Air Sampling Worksheet
Chain of Custody

08/02/18 — Date	Silo 4 Exterior — Work Area Location
Nike Missile BU-34/35 — Job Name	Tantara Corp. — Client
3239 — Job #	Mark Lovejoy — Client Contact

70°F / No Rain / Low Wind — Temp/Rain/Wind

20180321

COS — Calibrator # | DC - Lite Primary Flow

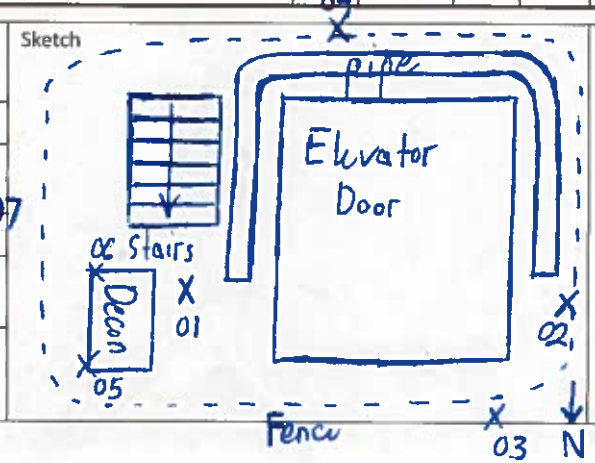
Turnaround (circle): 3 hour | 6 hour | (24 hour) | 48 hour | Other ____

Analysis (circle): (PCM) | TEM | other ____

Sample Number	Pump #	Sample Location	IB OB	IWA OWA	BA EX	PC PE	Time (military) Start	Stop	Tot	Flow (LPM) Beg	End	Avg	Volume (liters)	Results (f/cc)
080218-3239-01		Upwind of work, East	OB	IWA	A		0830	1630	480	2.9	2.9	2.9	1392	
02		Downwind of work, West		IWA			0831	1631	480	2.9	2.9	2.9	1392	
03		Critical 1 - North		OWA			0832	1632	480	2.9	2.9	2.9	1392	
04		Critical 2 - South		OWA			0833	1633	480	2.9	2.9	2.9	1392	
05		Decon entrance		OWA			0834	1634	480	2.9	2.9	2.9	1392	
06		Decon exit		OWA			0835	1635	480	2.9	2.9	2.9	1392	
07		Ambient air		OWA			0836	1636	480	2.9	2.9	2.9	1392	
08		Field												
09		Box												

Craig Mikida — Sampler	08/02/18	:
Craig Mikida — Relinquished by	08/02/18	:
	8/3/18	8:00
Received by lab	S35947	

Sketch



Comments/Special Conditions

SIENNA
ENVIRONMENTAL TECHNOLOGIES

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LABORATORY REPORT

Attention: Mark Lovejoy
Client: Tantara Corporation
54 Mason Street
Worcester, MA 01610

Project: SET 3239- Nike Missile BU- 34/35- Silo 1 Exterior

Lab Project #: S35976
Sample Date: 8/6/2018
Date Received: 8/7/2018
Analysis Date: 8/7/2018

PHASE CONTRAST MICROSCOPY BY NIOSH METHOD 7400, Fourth Edition, Issue 2, 8/15/94

Sample	Location	Type	Sample Date	Volume	Fibers	Fields	Fibers/mm2	Fibers/cc
080618-3239-01	Upwind of Work, East	A	8/6/2018	1392	0	100	0	<0.002
080618-3239-02	Downwind of Work, West	A	8/6/2018	1392	1.5	100	1.91	<0.002
080618-3239-03	Critical 1- North	A	8/6/2018					
SAMPLE OVERLOADED								
080618-3239-04	Critical 2- South	A	8/6/2018					
SAMPLE OVERLOADED								
080618-3239-05	Decon Entrance	A	8/6/2018					
SAMPLE OVERLOADED								
080618-3239-06	Decon Exit	A	8/6/2018					
SAMPLE OVERLOADED								
080618-3239-07	Ambient Air	A	8/6/2018	1392	0	100	0	<0.002
080618-3239-08	Field Blank	BL	8/6/2018		0	100		
080618-3239-09	Box Blank	BL	8/6/2018		0	100		

Carson Cain
Analyst

Approved Signatory

B=Background P=Preparation A=Abatement C=Clearance
CR=Clearance Rush EX=Excursion Air PE=Personal Air Sample BL=Blank

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Analysts' Sr Ranges: Low .37, Med .24, High .16. NYS ELAP #11727

SIENNA ENVIRONMENTAL TECHNOLOGIES

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Air Sampling Worksheet
Chain of Custody

08/06/18 — Date	Silo 1 Exterior — Work Area Location
Nike Missile BU-34/35 — Job Name	Tantara Corp. — Client
3239 — Job #	Mark Lovejoy — Client Contact
80°F / No Rain / Low Wind — Temp/Rain/Wind	
20180515	
605 — Calibrator #	DC - Lite / Primary Flow

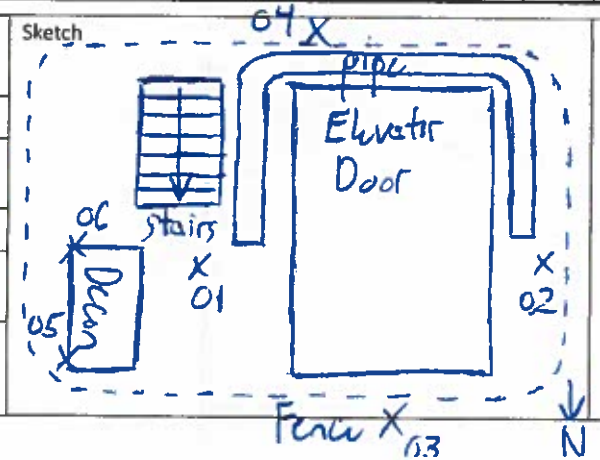
Turnaround (circle): 3 hour | 6 hour | ~~24 hour~~ | 48 hour | Other ____

Analysis (circle): ~~PCM~~ | TEM | other ____

Sample Number	Pump #	Sample Location	IB OB	IWA OWA	B A EX	P C PE	Time (military) Start	Stop	Tot	Flow (LPM) Beg	End	Avg	Volume (liters)	Results (f/cc)
080618-3239-01		Upwind of work, East	OB	IWA	A		0830	1630	480	2.9	2.9	2.9	1392	
02		Downwind of work, West		IWA			0831	1631	480	2.9	2.9	2.9	1392	
03		Critical 1 - North		OWA			0832	1632	480	2.9	2.9	2.9	1392	
04		Critical 2 - South		OWA			0833	1633	480	2.9	2.9	2.9	1392	
05		Decon entrance		OWA			0834	1634	480	2.9	2.9	2.9	1392	
06		Decon exit		OWA			0835	1635	480	2.9	2.9	2.9	1392	
09		Ambient air		OWA			0836	1636	480	2.9	2.9	2.9	1392	
08		Field Blank												
09		Box Blank												

Craig Mikids — Sampler	08/06/18	:
Craig Mikids — Relinquished by	08/06/18	: 07 X
	8/7/18	8 : 44
Received by lab	535976	

Sketch



Comments/Special Conditions

SIENNA
ENVIRONMENTAL TECHNOLOGIES

350 Elmwood Ave. - Buffalo, NY 14222
(P) 716.332.3134 (F) 716.332.3136

LABORATORY REPORT

Attention: Mark Lovejoy
Client: Tantara Corporation
54 Mason Street
Worcester, MA 01610

Project: SET 3239- Nike Missile BU- 34/35- Silo 2 Exterior

Lab Project #: S35981
Sample Date: 8/7/2018
Date Received: 8/8/2018
Analysis Date: 8/8/2018

PHASE CONTRAST MICROSCOPY BY NIOSH METHOD 7400, Fourth Edition, Issue 2, 8/15/94

Sample	Location	Type	Sample Date	Volume	Fibers	Fields	Fibers/mm2	Fibers/cc
080718-3239-01	Upwind of Work, East	A	8/7/2018	1392	1	100	1.27	<0.002
080718-3239-02	Downwind of Work, West	A	8/7/2018	1392	0.5	100	0.64	<0.002
080718-3239-03	Critical 1- North	A	8/7/2018	1392	0	100	0	<0.002
080718-3239-04	Critical 2- South	A	8/7/2018	1392	0	100	0	<0.002
080718-3239-05	Decon Entrance	A	8/7/2018	1392	0	100	0	<0.002
080718-3239-06	Decon Exit	A	8/7/2018	1392	0	100	0	<0.002
080718-3239-07	Ambient Air	A	8/7/2018	1392	1	100	1.27	<0.002
080718-3239-08	Field Blank	BL	8/7/2018		0	100		
080718-3239-09	Box Blank	BL	8/7/2018		0	100		

Carson Cain
Analyst

Approved Signatory

B=Background
CR=Clearance Rush
P=Preparation
EX=Excursion Air
A=Abatement
PE=Personal Air Sample
C=Clearance
BL=Blank

SIENNA ENVIRONMENTAL TECHNOLOGIES

350 Elmwood Ave. • Buffalo, NY 14222
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Air Sampling Worksheet
Chain of Custody

08/07/18 — Date	Silo 2 Exterior — Work Area Location
Nike Missile BU-34/35 — Job Name	Tantara Corp. — Client
3239 — Job #	Mark Lowejoy — Client Contact

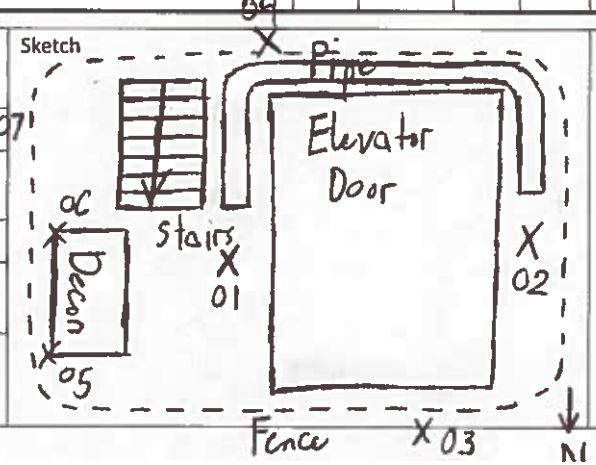
70°F / Light Rain / Low Wind — Temp/Rain/Wind
20190515
605 — Calibrator # | DC - Lite Primary Flow

Turnaround (circle): 3 hour | 6 hour | 24 hour | 48 hour | Other
Analysis (circle): PCM | TEM | other

Sample Number	Pump #	Sample Location	IB OB	IWA OWA	B A EX / P C PE	Time (military) Start	Stop	Tot	Flow (LPM) Beg	End	Avg	Volume (liters)	Results (f/cc)
080718-3239-01		Upwind of work, East	OB	IWA	A	0830	1630	480	2.9	2.9	2.9	1392	
02		Downwind of work, West		IWA		0831	1631	480	2.9	2.9	2.9	1392	
03		Critical 1 - North		OWA		0832	1632	480	2.9	2.9	2.9	1392	
04		Critical 2 - South		OWA		0833	1633	480	2.9	2.9	2.9	1392	
05		Decon entrance		OWA		0834	1634	480	2.9	2.9	2.9	1392	
06		Decon exit		OWA		0835	1635	480	2.9	2.9	2.9	1392	
07		Ambient air	↓	OWA	↓	083C	163C	480	2.9	2.9	2.9	1392	
08		Field Blank											
09		Box Blank											

Craig Mikida — Sampler	08/07/18	:
Craig Mikida — Relinquished by	08/07/18	:
	8/8/18	8:04
Received by lab	53581	

Sketch



Comments/Special Conditions

SIENNA
ENVIRONMENTAL TECHNOLOGIES

350 Elmwood Ave. · Buffalo, NY 14222
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LABORATORY REPORT

Attention: Mark Lovejoy
Client: Tantara Corporation
54 Mason Street
Worcester, MA 01610

Project: SET 3239- Nike Missile BU-34/35- Silo 3 Exterior

Lab Project #: S35989
Sample Date: 8/8/2018
Date Received: 8/9/2018
Analysis Date: 8/9/2018

PHASE CONTRAST MICROSCOPY BY NIOSH METHOD 7400, Fourth Edition, Issue 2, 8/15/94

Sample	Location	Type	Sample Date	Volume	Fibers	Fields	Fibers/mm2	Fibers/cc
080818-3239-01	Upwind of Work, East	A	8/8/2018	1392	0	100	0	<0.002
080818-3239-02	Downwind of Work, West	A	8/8/2018	1392	0	100	0	<0.002
080818-3239-03	Critical 1- North	A	8/8/2018	1392	2.5	100	3.18	<0.002
080818-3239-04	Critical 2- South	A	8/8/2018	1392	1.5	100	1.91	<0.002
080818-3239-05	Decon Entrance	A	8/8/2018	1392	2.5	100	3.18	<0.002
080818-3239-06	Decon Exit	A	8/8/2018	1392	2.5	100	3.18	<0.002
080818-3239-07	Ambient Air	A	8/8/2018	1392	0	100	0	<0.002
080818-3239-08	Field Blank	BL	8/8/2018		0	100		
080818-3239-09	Box Blank	BL	8/8/2018		0	100		

Carson Cain
Analyst

Approved Signatory

B=Background P=Preparation A=Abatement C=Clearance
CR=Clearance Rush EX=Excursion Air PE=Personal Air Sample BL=Blank

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Analysts' Sr Ranges: Low .37, Med .24, High .16. NYS ELAP #11727

SIENNA
ENVIRONMENTAL TECHNOLOGIES

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Air Sampling Worksheet
Chain of Custody

08/08/18 (Date)	Silo 3 Exterior (Work Area Location)
Nike Missile BU-34/35 (Job Name)	Tantara Corp. (Client)
3239 (Job #)	Mark Lovejoy (Client Contact)

70°F / Heavy Rain / Wind (Temp/Rain/Wind)

20180515

605 (Calibrator #) — DC - Lite Primary Flow

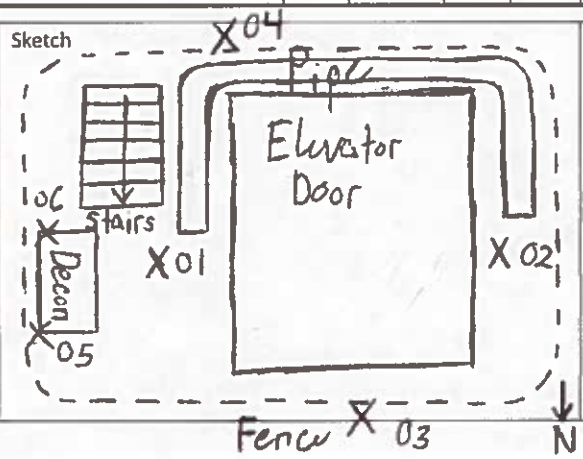
Turnaround (circle): 3 hour | 6 hour | ~~24 hour~~ | 48 hour | Other

Analysis (circle): ~~PCM~~ | TEM | other

Sample Number	Pump #	Sample Location	IB OB	IWA OWA	B A EX	P C PE	Time (military) Start	Stop	Tot	Flow (LPM) Beg	End	Avg	Volume (liters)	Results (f/cc)
080818-3239-01		Upwind of work, East	OB	IWA	A		0830	1C30	480	2.9	2.9	2.9	1392	
02		Downwind of work, West		IWA			0831	1C31	480	2.9	2.9	2.9	1392	
03		Critical 1 - North		OWA			0832	1C32	480	2.9	2.9	2.9	1392	
04		Critical 2 - South		OWA			0833	1C33	480	2.9	2.9	2.9	1392	
05		Decon entrance		OWA			0834	1C34	480	2.9	2.9	2.9	1392	
06		Decon exit		OWA			0835	1C35	480	2.9	2.9	2.9	1392	
07		Ambient air		OWA			0836	1C36	480	2.9	2.9	2.9	1392	
08		Field Blank												
09		Box Blank												

Craig Mikida (Sampler)	08/08/18	:
Craig Mikida (Relinquished by)	08/08/18	:
	8/9/18	8:50
(Received by lab)	35989	

Sketch



Comments/Special Conditions

07X

SIENNA
ENVIRONMENTAL TECHNOLOGIES

350 Elmwood Ave. • Buffalo, NY 14222
P 716.332.3134 F 716.332.3136

LABORATORY REPORT

Attention: Mark Lovejoy
Client: Tantara Corporation
54 Mason Street
Worcester, MA 01610

Project: SET 3239- Nike Missile BU-34/35- Silo 3 Exterior

Lab Project #: S36001
Sample Date: 8/9/2018
Date Received: 8/10/2018
Analysis Date: 8/10/2018

PHASE CONTRAST MICROSCOPY BY NIOSH METHOD 7400, Fourth Edition, Issue 2, 8/15/94

Sample	Location	Type	Sample Date	Volume	Fibers	Fields	Fibers/mm2	Fibers/cc
080918-3239-01	Upwind of Work, East	A	8/9/2018	1392	0	100	0	<0.002
080918-3239-02	Downwind of Work, West	A	8/9/2018	1392	0.5	100	0.64	<0.002
080918-3239-03	Critical 1- North	A	8/9/2018	1392	0	100	0	<0.002
080918-3239-04	Critical 2- South	A	8/9/2018	1392	0	100	0	<0.002
080918-3239-05	Decon Entrance	A	8/9/2018	1392	0	100	0	<0.002
080918-3239-06	Decon Exit	A	8/9/2018	1392	0	100	0	<0.002
080918-3239-07	Ambient Air	A	8/9/2018	1392	0	100	0	<0.002
080918-3239-08	Field Blank	BL	8/9/2018		0	100		
080918-3239-09	Box Blank	BL	8/9/2018		0	100		

Carson Cain
Analyst

Approved Signatory

B=Background P=Preparation A=Abatement C=Clearance
CR=Clearance Rush EX=Excursion Air PE=Personal Air Sample BL=Blank

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Analysts' Sr Ranges: Low .37, Med .24, High .16. NYS ELAP #11727

SIENNA ENVIRONMENTAL TECHNOLOGIES

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Air Sampling Worksheet
Chain of Custody

08/09/18 — Date	Silo 3 Exterior — Work Area Location
Nike Missile BU-34/35 — Job Name	Tantara Corp. — Client
3239 — Job #	Mark Lovejoy — Client Contact

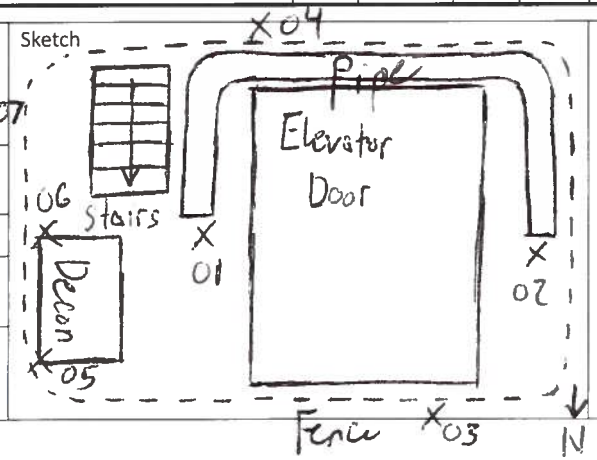
7° F / No Rain / Low Wind — Temp/Rain/Wind
20180515
605 — Calibrator # | DC - Lite Primary Flow

Turnaround (circle): 3 hour | 6 hour | ~~24 hour~~ | 48 hour | Other
Analysis (circle): ~~PCM~~ | TEM | other

Sample Number	Pump #	Sample Location	IB OB	IWA OWA	B A EX P C PE	Time (military) Start	Stop	Tot	Flow (LPM) Beg	End	Avg	Volume (liters)	Results (f/cc)
080918-3239-01		Upwind of work, East	OB	IWA	A	0830	1630	480	2.9	2.9	2.9	1392	
02		Downwind of work, West		IWA		0831	1631	480	2.9	2.9	2.9	1392	
03		Critical 1 - North		OWA		0832	1632	480	2.9	2.9	2.9	1392	
04		Critical 2 - South		OWA		0833	1633	480	2.9	2.9	2.9	1392	
05		Decon entrance		OWA		0834	1634	480	2.9	2.9	2.9	1392	
06		Decon exit		OWA		0835	1635	480	2.9	2.9	2.9	1392	
07		Ambient air		OWA		0836	1636	480	2.9	2.9	2.9	1392	
08		Field Blank											
09		Box Blank											

Craig Mikida — Sampler	08/09/18	:
Craig Mikida — Relinquished by	08/09/18	:
	8/10/18	8:36
Received by lab	S36001	

Sketch



Comments/Special Conditions

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ENVIRONMENTAL TECHNOLOGIES

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LABORATORY REPORT

Attention: Mark Lovejoy
Client: Tantara Corporation
54 Mason Street
Worcester, MA 01610

Project: SET 3239- Nike Missile BU-34/35- Silo 1 Exterior

Lab Project #: S36000
Sample Date: 8/9/2018
Date Received: 8/10/2018
Analysis Date: 8/10/2018

PHASE CONTRAST MICROSCOPY BY NIOSH METHOD 7400, Fourth Edition, Issue 2, 8/15/94

Sample	Location	Type	Sample Date	Volume	Fibers	Fields	Fibers/mm2	Fibers/cc
080918-3239-01	Upwind of Work, East	C	8/9/2018	1392	0	100	0	<0.002
080918-3239-02	Downwind of Work, West	C	8/9/2018	1392	0	100	0	<0.002
080918-3239-03	Critical 1- North	C	8/9/2018	1392	4	100	5.1	<0.002
080918-3239-04	Critical 2- South	C	8/9/2018	1392	0	100	0	<0.002
080918-3239-05	Decon Entrance	C	8/9/2018	1392	0	100	0	<0.002
080918-3239-06	Decon Exit	C	8/9/2018	1392	0	100	0	<0.002
080918-3239-07	Ambient Air	C	8/9/2018	1392	1	100	1.27	<0.002
080918-3239-08	Field Blank	BL	8/9/2018		0	100		
080918-3239-09	Box Blank	BL	8/9/2018		0	100		

Carson Cain
Analyst

Approved Signatory

B=Background P=Preparation A=Abatement C=Clearance
CR=Clearance Rush EX=Excursion Air PE=Personal Air Sample BL=Blank

Results relate only to samples as provided by client. This laboratory is not responsible for sample collection activities, analytical method limitations or data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. This report shall not be reproduced, except in full, without written approval by Sienna. The Sr for analysts is calculated per NIOSH Method 7400 using quality control data including 95% Confidence Interval (CI). Minimum volume of 900L required by NIOSH Method 7400 to reach CI of 95% at Method's Limit of Detection (LOD) at < 0.01 fiber/cc
Analysts' Sr Ranges: Low .37, Med .24, High .16. NYS ELAP #11727

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Air Sampling Worksheet
Chain of Custody

08/09/18 — Date	Silo 1 Exterior — Work Area Location
Nike Missile BU-34/35 — Job Name	Tantaro Corp. — Client
3239 — Job #	Mark Lovejoy — Client Contact

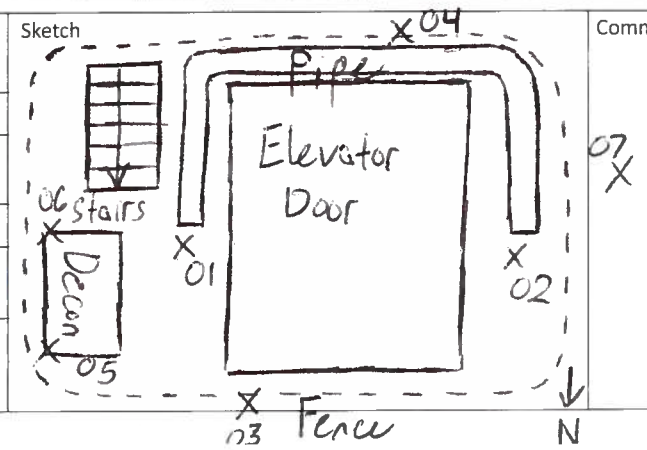
70°F / No Rain / Light Wind — Temp/Rain/Wind
20180515
605 — Calibrator # | DC - Lite Primary Flow

Turnaround (circle): 3 hour | 6 hour | ~~24 hour~~ | 48 hour | Other
Analysis (circle): ~~PCM~~ | TEM | other

Sample Number	Pump #	Sample Location	IB OB	IWA OWA	B A EX	P C PE	Time (military) Start	Stop	Tot	Flow (LPM) Beg	End	Avg	Volume (liters)	Results (f/cc)
080918-3239-01		Upwind of work, East	OB	IWA	C		0800	1600	480	2.9	2.9	2.9	1392	
02		Downwind of work, West		IWA			0801	1601	480	2.9	2.9	2.9	1392	
03		Critical 1 - North		OWA			0802	1602	480	2.9	2.9	2.9	1392	
04		Critical 2 - South		OWA			0803	1603	480	2.9	2.9	2.9	1392	
05		Decon entrance		OWA			0804	1604	480	2.9	2.9	2.9	1392	
06		Decon exit		OWA			0805	1605	480	2.9	2.9	2.9	1392	
07		Ambient air		OWA			0806	1606	480	2.9	2.9	2.9	1392	
08		Field Blank												
09		Box Blank												

Craig Mikida — Sampler	08/09/18	:
Craig Mikida — Relinquished by	08/09/18	:
	8/10/18	8:35
Received by lab	536000	

Sketch



Comments/Special Conditions

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LABORATORY REPORT

Attention: Mark Lovejoy
Client: Tantara Corporation
54 Mason Street
Worcester, MA 01610

Project: SET 3239- Nike Missile BU- 34/35- Silo 5 Exterior

Lab Project #: S36020
Sample Date: 8/13/2018
Date Received: 8/14/2018
Analysis Date: 8/14/2018

PHASE CONTRAST MICROSCOPY BY NIOSH METHOD 7400, Fourth Edition, Issue 2, 8/15/94

Sample	Location	Type	Sample Date	Volume	Fibers	Fields	Fibers/mm2	Fibers/cc
081318-3239-01	Upwind of Work, East	A	8/13/2018	1392	4	100	5.1	<0.002
081318-3239-02	Downwind of Work, West	A	8/13/2018	1392	0	100	0	<0.002
081318-3239-03	Critical 1- North	A	8/13/2018	1392	0	100	0	<0.002
081318-3239-04	Critical 2- South	A	8/13/2018	1392	0	100	0	<0.002
081318-3239-05	Decon Entrance	A	8/13/2018	1392	2.5	100	3.18	<0.002
081318-3239-06	Decon Exit	A	8/13/2018	1392	0	100	0	<0.002
081318-3239-07	Ambient Air	A	8/13/2018	1392	0	100	0	<0.002
081318-3239-08	Field Blank	BL	8/13/2018		0	100		
081318-3239-09	Box Blank	BL	8/13/2018		0	100		

Carson Cain
Analyst

Approved Signatory

B=Background
CR=Clearance Rush
P=Preparation
EX=Excursion Air
A=Abatement
PE=Personal Air Sample
C=Clearance
BL=Blank

Results relate only to samples as provided by client. This laboratory is not responsible for sample collection activities, analytical method limitations or data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. This report shall not be reproduced, except in full, without written approval by Sienna. The Sr for analysts is calculated per NIOSH Method 7400 using quality control data including 95% Confidence Interval (CI). Minimum volume of 900L required by NIOSH Method 7400 to reach CI of 95% at Method's Limit of Detection (LOD) at < 0.01 fiber/cc.
Analysts' Sr Ranges: Low .37, Med .24, High .16. NYS ELAP #11727

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Air Sampling Worksheet
Chain of Custody

08/13/18 — Date	Silo 5 Exterior — Work Area Location
Nike Missile BU-34/35 — Job Name	Tantara Corp. — Client
3239 — Job #	Mark Lovejoy — Client Contact
70°F/No Rain/Low Wind — Temp/Rain/Wind	
20180515	
605 — Calibrator #	DC - Lite Primary Flow

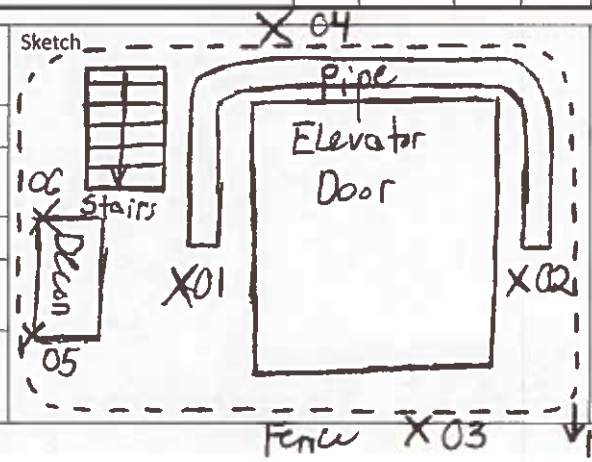
Turnaround (circle): 3 hour | 6 hour | ~~24 hour~~ | 48 hour | Other _____

Analysis (circle): ~~PCM~~ | TEM | _____ other

Sample Number	Pump #	Sample Location	IB OB	IWA OWA	B A EX	P C PE	Time (military) Start	Stop	Tot	Flow (LPM) Beg	End	Avg	Volume (liters)	Results (f/cc)
081318-3239-01		Upwind of work, East	OB	IWA	A		0830	1630	480	2.9	2.9	2.9	1392	
02		Downwind of work, West		IWA			0831	1631	480	2.9	2.9	2.9	1392	
03		Critical 1 - North		OWA			0832	1632	480	2.9	2.9	2.9	1392	
04		Critical 2 - South		OWA			0833	1633	480	2.9	2.9	2.9	1392	
05		Decon entrance		OWA			0834	1634	480	2.9	2.9	2.9	1392	
06		Decon exit		OWA			0835	1635	480	2.9	2.9	2.9	1392	
07		Ambient air	↓	OWA	↓		0836	1636	480	2.9	2.9	2.9	1392	
08		Field Blank												
09		Box Blank												

Craig Mikida — Sampler	08/13/18	:
Craig Mikida — Relinquished by	08/13/18	:
	8/14/18	8:00
Received by lab	536020	

Sketch



Comments/Special Conditions

X 07

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LABORATORY REPORT

Attention: Mark Lovejoy
Client: Tantara Corporation
54 Mason Street
Worcester, MA 01610

Project: SET 3239- Nike Missile BU- 34/35- Silo 6 Exterior

Lab Project #: S36026
Sample Date: 8/14/2018
Date Received: 8/15/2018
Analysis Date: 8/15/2018

PHASE CONTRAST MICROSCOPY BY NIOSH METHOD 7400, Fourth Edition, Issue 2, 8/15/94

Sample	Location	Type	Sample Date	Volume	Fibers	Fields	Fibers/mm2	Fibers/cc
081418-3239-01	Upwind of Work, East	A	8/14/2018	1392	0	100	0	<0.002
081418-3239-02	Downwind of Work, West	A	8/14/2018	1392	1	100	1.27	<0.002
081418-3239-03	Critical 1- North	A	8/14/2018	1392	1	100	1.27	<0.002
081418-3239-04	Critical 2- South	A	8/14/2018	1392	0	100	0	<0.002
081418-3239-05	Decon Entrance	A	8/14/2018	1392	0	100	0	<0.002
081418-3239-06	Decon Exit	A	8/14/2018	1392	0	100	0	<0.002
081418-3239-07	Ambient Air	A	8/14/2018	1392	0	100	0	<0.002
081418-3239-08	Field Blank	BL	8/14/2018		0	100		
081418-3239-09	Box Blank	BL	8/14/2018		0	100		

Carson Cain
Analyst

Approved Signatory

B=Background P=Preparation A=Abatement C=Clearance
CR=Clearance Rush EX=Excursion Air PE=Personal Air Sample BL=Blank

 The Sr for analysts is calculated per NIOSH Method 7400 using quality control data including 95% Confidence Interval (CI). Minimum volume of 900L required by NIOSH Method 7400 to reach CI of 95% at Method's Limit of Detection (LOD) at < 0.01 fiber/cc.
Analysts' Sr Ranges: Low .37, Med .24, High .16. NYS ELAP #11727

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Air Sampling Worksheet
Chain of Custody

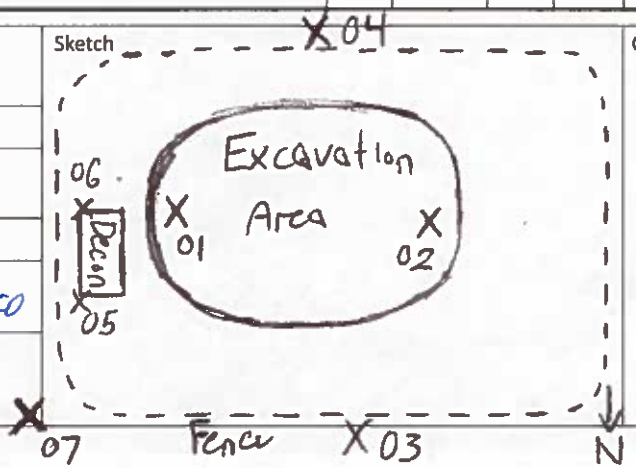
08/14/18 — Date	Silo C Exterior — Work Area Location
Nike Missile BU-34/35 — Job Name	Tonawanda Corp. — Client
3239 — Job #	Mark Lovejoy — Client Contact
70°F / Rain / Low Wind — Temp/Rain/Wind	
20180515	
G65 — Calibrator #	DC - Lite / Primary Flow

Turnaround (circle): 3 hour, 6 hour, ~~24 hour~~, 48 hour, Other ____
Analysis (circle): ~~PCM~~, TEM, ____ other

Sample Number	Pump #	Sample Location	IB OB	IWA OWA	B A EX	P C PE	Time (military) Start	Stop	Tot	Flow (LPM) Beg	End	Avg	Volume (liters)	Results (f/cc)
081418-3239-01		Upwind of work, East	OB	IWA	A		0830	1630	480	2.9	2.9	2.9	1392	
02		~~Downwind~~ Downwind of work, West		IWA			0831	1631	480	2.9	2.9	2.9	1392	
03		Critical 1 - North		OWA			0832	1632	480	2.9	2.9	2.9	1392	
04		Critical 2 - South		OWA			0833	1633	480	2.9	2.9	2.9	1392	
05		Decon entrance		OWA			0834	1634	480	2.9	2.9	2.9	1392	
06		Decon exit		OWA			0835	1635	480	2.9	2.9	2.9	1392	
07		Ambient air		OWA			0836	1636	480	2.9	2.9	2.9	1392	
08		Field Blank												
09		Box Blank												

Craig Mikiza — Sampler	08/14/18	:
Craig Mikiza — Relinquished by	08/14/18	:
	8/15/18	8:00
Received by lab	576-16	

Sketch



Comments/Special Conditions

SIENNA
ENVIRONMENTAL TECHNOLOGIES

350 Elmwood Ave. - Buffalo, NY 14222
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LABORATORY REPORT

Attention: Mark Lovejoy
Client: Tantara Corporation
54 Mason Street
Worcester, MA 01610

Project: SET 3239- Nike Missile Silos- Missile Silo 5

Lab Project #: S36276
Sample Date: 10/15/2018
Date Received: 10/16/2018
Analysis Date: 10/16/2018

PHASE CONTRAST MICROSCOPY BY NIOSH METHOD 7400, Fourth Edition, Issue 2, 8/15/94

Sample	Location	Type	Sample Date	Volume	Fibers	Fields	Fibers/mm2	Fibers/cc
101518-3239-01	Upwind of Work, South	P/A	10/15/2018	1170	2	100	2.55	<0.002
101518-3239-02	Downwind of Work, North	P/A	10/15/2018	1170	0	100	0	<0.002
101518-3239-03	Critical 1- East Fence	P/A	10/15/2018	1170	0.5	100	0.64	<0.002
101518-3239-04	Critical 2- West Fence	P/A	10/15/2018	1170	0	100	0	<0.002
101518-3239-05	Decon Entrance	P/A	10/15/2018	1170	0	100	0	<0.002
101518-3239-06	Decon Exit	P/A	10/15/2018	1170	0	100	0	<0.002
101518-3239-07	Ambient, Outer West Fence	P/A	10/15/2018	1170	0	100	0	<0.002
101518-3239-08	Field Blank	BL	10/15/2018		0	100		
101518-3239-09	Box Blank	BL	10/15/2018		0	100		

Carson Cain
Analyst

Approved Signatory

B=Background P=Preparation A=Abatement C=Clearance
CR=Clearance Rush EX=Excursion Air PE=Personal Air Sample BL=Blank

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Analysts' Sr Ranges: Low .37, Med .24, High .16. NYS ELAP #11727

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Air Sampling Worksheet
Chain of Custody

10/15/18 — Date	Missile Silo 5 — Work Area Location
Nike Missile Silos — Job Name	Tantara Corp — Client
3239 — Job #	Mark Lovejoy — Client Contact

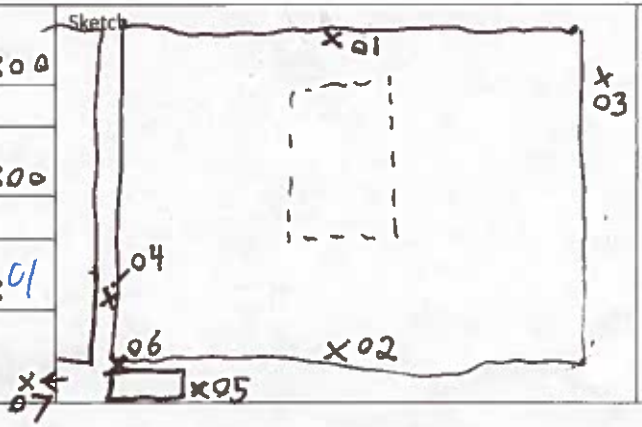
44°/Rainy/1-15mph — Temp/Rain/Wind
20180515
606 — Calibrator # | DC - Lite Primary Flow

Turnaround (circle): 3 hour | 6 hour | (24 hour) | 48 hour | Other
Analysis (circle): (PCM) | TEM | other

Sample Number	Pump #	Sample Location	IB OB	IWA OWA	B A EX P C PE	Time (military) Start	Stop	Tot	Flow (LPM) Beg	End	Avg	Volume (liters)	Results (f/cc)
101518-3239-01		Upwind of work, South	OB	IWA	P/A	1000	1630	390	3.0	3.0	3.0	1,170	
-02		downWind of work, North		IWA		1002	1632	390	3.0	3.0	3.0	1,170	
-03		Critical 1 - East fence		OWA		1004	1634	390	3.0	3.0	3.0	1,170	
-04		Critical 2 - west fence		OWA		1006	1636	390	3.0	3.0	3.0	1,170	
-05		Decon Entrance		OWA		1008	1638	390	3.0	3.0	3.0	1,170	
-06		Decon Exit		OWA		1010	1640	390	3.0	3.0	3.0	1,170	
-07		ambient, outer west Fence		OWA		1012	1642	390	3.0	3.0	3.0	1,170	
-08		field blank											
-09		box blank											

Matt Zerkle — Sampler	10/15/18	16:00
Matt Zerkle — Relinquished by	10/15/18	16:00
[signature]	10/16/18	8:01
Received by lab	S36076	

Sketch



Comments/Special Conditions

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LABORATORY REPORT

Attention: Mark Lovejoy
Client: Tantara Corporation
54 Mason Street
Worcester, MA 01610

Project: SET3239- Nike Missile BU-34/35- Silo 6 Exterior/Interior

Lab Project #: S36278
Sample Date: 10/16/2018
Date Received: 10/17/2018
Analysis Date: 10/17/2018

PHASE CONTRAST MICROSCOPY BY NIOSH METHOD 7400, Fourth Edition, Issue 2, 8/15/94

Sample	Location	Type	Sample Date	Volume	Fibers	Fields	Fibers/mm2	Fibers/cc
101618-3239-01	Upwind of Work, South	P/A	10/16/2018	960	0	100	0	<0.003
101618-3239-02	Downwind of Work, North	P/A	10/16/2018	960	3	100	3.82	<0.003
101618-3239-03	Critical 1- East Fence	P/A	10/16/2018	960	0	100	0	<0.003
101618-3239-04	Critical 2- West Fence	P/A	10/16/2018	960	3	100	3.82	<0.003
101618-3239-05	Decon Entrance	P/A	10/16/2018	960	0	100	0	<0.003
101618-3239-06	Decon Exit	P/A	10/16/2018	960	0	100	0	<0.003
101618-3239-07	Ambient, Outer West Fence	P/A	10/16/2018	960	0	100	0	<0.003
101618-3239-08	Field Blank	BL	10/16/2018		0	100		
101618-3239-09	Box Blank	BL	10/16/2018		0	100		

Carson Cain
Analyst

Approved Signatory

B=Background P=Preparation A=Abatement C=Clearance
CR=Clearance Rush EX=Excursion Air PE=Personal Air Sample BL=Blank

Results relate only to samples as provided by client. This laboratory is not responsible for sample collection activities, analytical method limitations or data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. This report shall not be reproduced, except in full, without written approval by Sienna. The Sr for analysts is calculated per NIOSH Method 7400 using quality control data including 95% Confidence Interval (CI). Minimum volume of 900L required by NIOSH Method 7400 to reach CI of 95% at Method's Limit of Detection (LOD) at < 0.01 fiber/cc.
Analysts' Sr Ranges: Low .37, Med .24, High .16. NYS ELAP #11727

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Air Sampling Worksheet
Chain of Custody

10/16/18 — Date	Silo 6 Exterior/Interior — Work Area Location
Nike Missile BU-34/35 — Job Name	Tantara Corp — Client
3239 — Job #	Mark Lovejoy — Client Contact

45°/Rainy/10-20 mph — Temp/Rain/Wind	
20180515	
606" — Calibrator #	DC - Lite Primary Flow

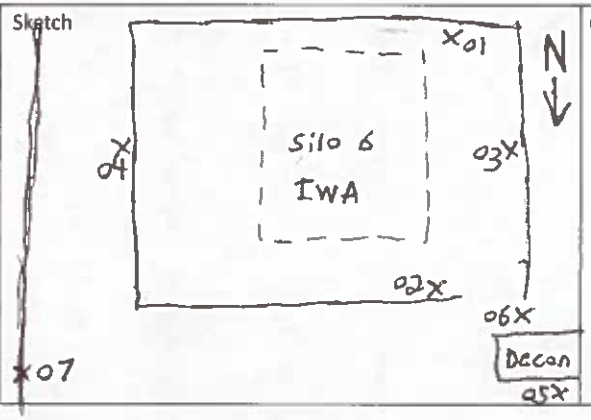
Turnaround (circle): 3 hour | 6 hour | (24 hour) | 48 hour | Other ____

Analysis (circle): (PCM) | TEM | ____ other

Sample Number	Pump #	Sample Location	IB OB	IWA OWA	B A EX P C PE	Time (military) Start	Stop	Tot	Flow (LPM) Beg	End	Avg	Volume (liters)	Results (f/cc)
101618-3239-01		upwind of work, South	OB	IWA	P/A	0830	1630	480	2.0	2.0	2.0	960	
-02		downwind of work, North		IWA		0832	1632	480	2.0	2.0	2.0	960	
-03		Critical 1 - East fence		OWA		0834	1634	480	2.0	2.0	2.0	960	
-04		Critical 2 - West fence		OWA		0836	1636	480	2.0	2.0	2.0	960	
-05		Decon Entrance		OWA		0838	1638	480	2.0	2.0	2.0	960	
-06		Decon Exit		OWA		0840	1640	480	2.0	2.0	2.0	960	
-07		ambient, outer west fence		OWA		0842	1642	480	2.0	2.0	2.0	960	
-08		field blank											
-09		Box Blank											

Matt Zerbe — Sampler	10/16/18	17:00
Matt Zerbe — Relinquished by	10/16/18	17:00
—	10/17/18	8:01
Received by lab	S36278	

Sketch



Comments/Special Conditions

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LABORATORY REPORT

Attention: Mark Lovejoy
Client: Tantara Corporation
54 Mason Street
Worcester, MA 01610

Project: SET 3239- Nike Missile BU-34/35- Silo 6 Exterior/Interior

Lab Project #: S36282
Sample Date: 10/17/2018
Date Received: 10/18/2018
Analysis Date: 10/18/2018

PHASE CONTRAST MICROSCOPY BY NIOSH METHOD 7400, Fourth Edition, Issue 2, 8/15/94

Sample	Location	Type	Sample Date	Volume	Fibers	Fields	Fibers/mm2	Fibers/cc
101718-3239-01	Upwind of Work, West	A	10/17/2018	1050	0.5	100	0.64	<0.003
101718-3239-02	Downwind of Work, East	A	10/17/2018	1050	3	100	3.82	<0.003
101718-3239-03	Critical 1- North Fence	A	10/17/2018	1050	1.5	100	1.91	<0.003
101718-3239-04	Critical 2- South Fence	A	10/17/2018	1050	0	100	0	<0.003
101718-3239-05	Decon Entrance	A	10/17/2018	1050	1	100	1.27	<0.003
101718-3239-06	Decon Exit	A	10/17/2018	1050	0	100	0	<0.003
101718-3239-07	Ambient, Outer South Fence	A	10/17/2018	1050	1.5	100	1.91	<0.003
101718-3239-08	Field Blank	BL	10/17/2018		0	100		
101718-3239-09	Box Blank	BL	10/17/2018		0	100		

Carson Cain
Analyst

Approved Signatory

B=Background P=Preparation A=Abatement C=Clearance
CR=Clearance Rush EX=Excursion Air PE=Personal Air Sample BL=Blank

SIENNA ENVIRONMENTAL TECHNOLOGIES

350 Elmwood Ave. • Buffalo, NY 14222
P 716-332.3134 F 716.332.3136

Air Sampling Worksheet
Chain of Custody

10/17/18 — Date	Silo 6 Exterior/Interior — Work Area Location
Nike Missile BU-34/35 — Job Name	Tantata Corp — Client
3239 — Job #	Mark Lovejoy — Client Contact

45°/Rainy/10-20mph — Temp/Rain/Wind	
20180515	
606 — Calibrator #	DC - Lite / Primary Flow

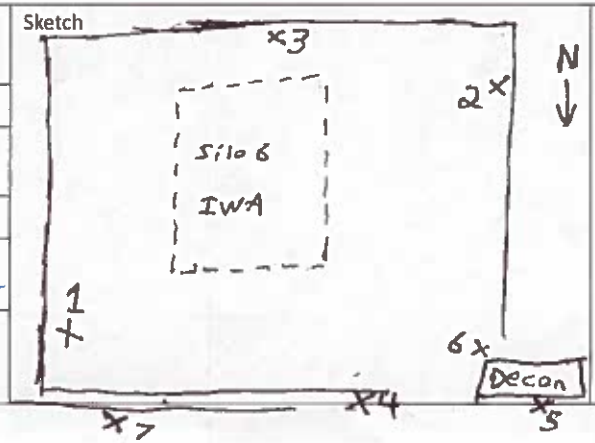
Turnaround (circle): 3 hour | 6 hour | (24 hour) | 48 hour | Other ____

Analysis (circle): (PCM) | TEM | ____ other

Sample Number	Pump #	Sample Location	IB OB	IWA OWA	B (A) EX	P C PE	Time (military) Start	Stop	Tot	Flow (LPM) Beg	End	Avg	Volume (liters)	Results (f/cc)
101718-3237-01		Upwind of work, west	OB	IWA		PA	0800	1645	525	2.0	2.0	2.0	1,050	
-02		Downwind of work, East		IWA			0802	1647	525	2.0	2.0	2.0	1,050	
-03		Critical 1 - North fence		OWA			0804	1649	525	2.0	2.0	2.0	1,050	
-04		Critical 2 - South fence		OWA			0806	1651	525	2.0	2.0	2.0	1,050	
-05		Decon Entrance		OWA			0808	1653	525	2.0	2.0	2.0	1,050	
-06		Decon Exit		OWA			0810	1655	525	2.0	2.0	2.0	1,050	
-07		Ambient, outer south fence		OWA			0812	1657	525	2.0	2.0	2.0	1,050	
-08		Field blank												
-09		Lot blank												

Matt Zerkle — Sampler	10/17/18	17:00
Matt Zerkle — Relinquished by	10/17/18	17:00
[signature]	10/18/18	8:02
Received by lab	S36782	

Sketch



Comments/Special Conditions

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ENVIRONMENTAL TECHNOLOGIES

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LABORATORY REPORT

Attention: Mark Lovejoy
Client: Tantara Corporation
54 Mason Street
Worcester, MA 01610

Project: SET 3239- Nike Missile Silo BU-34/35- Silo 6 Exterior/Interior

Lab Project #: S36284
Sample Date: 10/18/2018
Date Received: 10/19/2018
Analysis Date: 10/19/2018

PHASE CONTRAST MICROSCOPY BY NIOSH METHOD 7400, Fourth Edition, Issue 2, 8/15/94

Sample	Location	Type	Sample Date	Volume	Fibers	Fields	Fibers/mm2	Fibers/cc
101818-3239-01	Upwind of Work, West	A	10/18/2018	1050	1.5	100	1.91	<0.003
101818-3239-02	Upwind of Work, East	A	10/18/2018	1050	2	100	2.55	<0.003
101818-3239-03	Critical 1- North Fence	A	10/18/2018	1050	0.5	100	0.64	<0.003
101818-3239-04	Critical 2- South Fence	A	10/18/2018	1050	2	100	2.55	<0.003
101818-3239-05	Decon Entrance	A	10/18/2018	1050	0.5	100	0.64	<0.003
101818-3239-06	Decon Exit	A	10/18/2018	1050	0	100	0	<0.003
101818-3239-07	Ambient, Outer South Fence	A	10/18/2018	1050	0	100	0	<0.003
101818-3239-08	Field Blank	BL	10/18/2018		0	100		
101818-3239-09	Box Blank	BL	10/18/2018		0	100		

Carson Cain
Analyst

Approved Signatory

B=Background P=Preparation A=Abatement C=Clearance
CR=Clearance Rush EX=Excursion Air PE=Personal Air Sample BL=Blank

Results relate only to samples as provided by client. This laboratory is not responsible for sample collection activities, analytical method limitations or data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. This report shall not be reproduced, except in full, without written approval by Sienna. The Sr for analysts is calculated per NIOSH Method 7400 using quality control data including 95% Confidence Interval (CI). Minimum volume of 900L required by NIOSH Method 7400 to reach CI of 95% at Method's Limit of Detection (LOD) at < 0.01 fiber/cc.
Analysts' Sr Ranges: Low .37, Med .24, High .16. NYS ELAP #11727

SIENNA ENVIRONMENTAL TECHNOLOGIES

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Air Sampling Worksheet
Chain of Custody

10/18/18 — Date	Silo 6 Exterior/Interior — Work Area Location
Nike Missile BU-34/35 — Job Name	Tantara Corp — Client
3239 — Job #	Mark Lovejoy — Client Contact
40°/Sunny/10-15mph — Temp/Rain/Wind	20180515
606 — Calibrator #	DC - Lite / Primary Flow

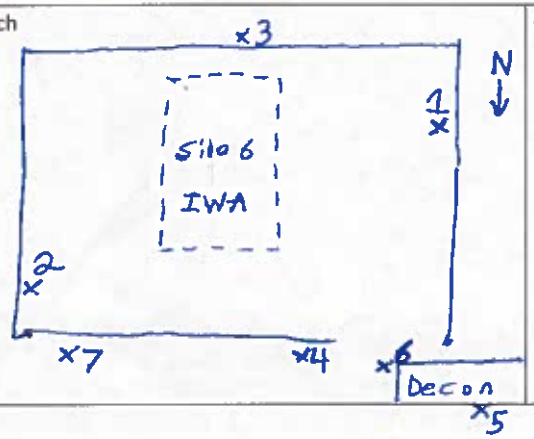
Turnaround (circle): 3 hour | 6 hour | (24 hour) | 48 hour | Other ____

Analysis (circle): ~~PCM~~ | TEM | ____ other

Sample Number	Pump #	Sample Location	IB OB	IWA OWA	B A EX P C PE	Time (military) Start	Stop	Tot	Flow (LPM) Beg	End	Avg	Volume (liters)	Results (f/cc)
101818-3239-01		upwind of work, west	OB	IWA	A	0800	1645	525	2.0	2.0	2.0	1,050	
-02		upwind of work, east		IWA		0802	1647	525	2.0	2.0	2.0	1,050	
-03		Critical 1 - North Fence		OWA		0804	1649	525	2.0	2.0	2.0	1,050	
-04		Critical 2 - South Fence		OWA		0806	1651	525	2.0	2.0	2.0	1,050	
-05		Decon Entrance		OWA		0808	1653	525	2.0	2.0	2.0	1,050	
-06		Decon Exit		OWA		0810	1655	525	2.0	2.0	2.0	1,050	
-07		ambiant, outer south Fence		OWA		0812	1657	525	2.0	2.0	2.0	1,050	
-08		field blank											
-09		Box Blank											

Matt Zackle — Sampler	10/18/18	17:00
Matt Zackle — Relinquished by	10/18/18	17:00
Received by lab	10/19/18	8:20
	536284	

Sketch



Comments/Special Conditions

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LABORATORY REPORT

Attention: Mark Lovejoy
Client: Tantara Corporation
54 Mason Street
Worcester, MA 01610

Project: SET 3239- Nike Missile BU- 34/35- Silo 6 Exterior/Interior

Lab Project #: S36294
Sample Date: 10/22/2018
Date Received: 10/23/2018
Analysis Date: 10/23/2018

PHASE CONTRAST MICROSCOPY BY NIOSH METHOD 7400, Fourth Edition, Issue 2, 8/15/94

Sample	Location	Type	Sample Date	Volume	Fibers	Fields	Fibers/mm2	Fibers/cc
102218-3239-01	Upwind of Work, South	A	10/22/2018	1050	4	100	5.1	<0.003
102218-3239-02	Downwind of Work, North	A	10/22/2018	1050	5.5	100	7.01	0.003
102218-3239-03	Critical 1- East Fence	A	10/22/2018	1050	0.5	100	0.64	<0.003
102218-3239-04	Critical 2- West Fence	A	10/22/2018	1050	3	100	3.82	<0.003
102218-3239-05	Decon Entrance	A	10/22/2018	1050	2	100	2.55	<0.003
102218-3239-06	Decon Exit	A	10/22/2018	1050	3	100	3.82	<0.003
102218-3239-07	Ambient, Outer South Fence	A	10/22/2018	1050	2.5	100	3.18	<0.003
102218-3239-08	Field Blank	BL	10/22/2018		0	100		
102218-3239-09	Box Blank	BL	10/22/2018		0	100		

Carson Cain
Analyst

Approved Signatory

B=Background P=Preparation A=Abatement C=Clearance
CR=Clearance Rush EX=Excursion Air PE=Personal Air Sample BL=Blank

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Analysts' Sr Ranges: Low .37, Med .24, High .16 NYS ELAP #11727

SIENNA ENVIRONMENTAL TECHNOLOGIES

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Air Sampling Worksheet
Chain of Custody

10/22/18 — Date	Silo 6 Exterior/Interior — Work Area Location
Nike Missile BU-34/35 — Job Name	Tantara Corp — Client
3239 — Job #	Mark Lovejoy — Client Contact
40°/sunny/10-15 mph — Temp/Rain/Wind	20180515
606 — Calibrator #	DC - Lite / Primary Flow

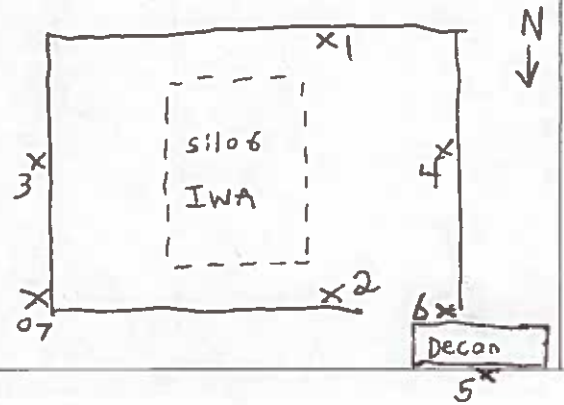
Turnaround (circle): 3 hour | 6 hour | (24 hour) | 48 hour | Other ____

Analysis (circle): (PCM) | TEM | ____ other

Sample Number	Pump #	Sample Location	IB OB	IWA OWA	B A EX	P C PE	Time (military) Start	Stop	Tot	Flow (LPM) Beg	End	Avg	Volume (liters)	Results (f/cc)
102218-3239-01		upwind of work, South	OB	IWA	A		0800	1645	525	2.0	2.0	2.0	1,050	
-02		downwind of work, North		IWA			0802	1647	525	2.0	2.0	2.0	1,050	
-03		Critical 1 - East fence		OWA			0804	1649	525	2.0	2.0	2.0	1,050	
-04		Critical 2 - west fence		OWA			0806	1651	525	2.0	2.0	2.0	1,050	
-05		Decon Entrance		OWA			0808	1653	525	2.0	2.0	2.0	1,050	
-06		Decon Exit		OWA			0810	1655	525	2.0	2.0	2.0	1,050	
-07		ambient, outer south fence		OWA			0812	1657	525	2.0	2.0	2.0	1,050	
-08		Field blank												
-09		Box Blank												

Matt Zerbe — Sampler	10/22/18	17:00
Matt Zerbe — Relinquished by	10/22/18	17:00
—	10/23/18	8:22
Received by lab	531294	

Sketch



Comments/Special Conditions

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ENVIRONMENTAL TECHNOLOGIES

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LABORATORY REPORT

Attention: Mark Lovejoy
Client: Tantara Corporation
54 Mason Street
Worcester, MA 01610

Project: SET 3239- Nike Missile BU-34/35- Silo 6 Exterior/Interior

Lab Project #: S36296
Sample Date: 10/23/2018
Date Received: 10/24/2018
Analysis Date: 10/24/2018

PHASE CONTRAST MICROSCOPY BY NIOSH METHOD 7400, Fourth Edition, Issue 2, 8/15/94

Sample	Location	Type	Sample Date	Volume	Fibers	Fields	Fibers/mm2	Fibers/cc
102318-3239-01	Upwind of Work, West	A	10/23/2018	1050	19.5	100	24.84	0.009
102318-3239-02	Downwind of Work, East	A	10/23/2018	1050	3	100	3.82	<0.003
102318-3239-03	Critical 1- North Fence	A	10/23/2018	1048	0	100	0	<0.003
102318-3239-04	Critical 2- South Fence	A	10/23/2018	1048	6	100	7.64	0.003
102318-3239-05	Decon Entrance	A	10/23/2018	1048	4.5	100	5.73	<0.003
102318-3239-06	Decon Exit	A	10/23/2018	1050	7.5	100	9.55	0.004
102318-3239-07	Ambient, Outer North Fence	A	10/23/2018	1050	1	100	1.27	<0.003
102318-3239-08	Field Blank	BL	10/23/2018		0	100		
102318-3239-09	Box Blank	BL	10/23/2018		0	100		

Carson Cain
Analyst

Approved Signatory

B=Background P=Preparation A=Abatement C=Clearance
CR=Clearance Rush EX=Excursion Air PE=Personal Air Sample BL=Blank

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Analysts' Sr Ranges: Low .37, Med .24, High .16. NYS ELAP #11727

SIENNA
ENVIRONMENTAL TECHNOLOGIES

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Air Sampling Worksheet
Chain of Custody

10/23/18 — Date	Silo 6 Exterior/Interior — Work Area Location
Nike Missile BU-34/35 — Job Name	Tantara Corp — Client
3239 — Job #	Mark Lovejoy — Client Contact

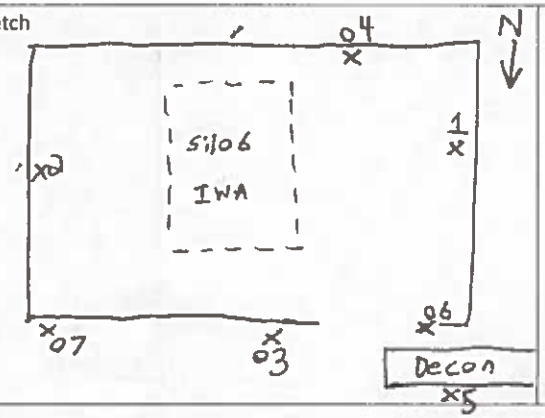
38° / Rain / 1-10 mph — Temp/Rain/Wind
20180702 — Calibrator #
606 — DC - Lite Primary Flow

Turnaround (circle): 3 hour | 6 hour | (24 hour) | 48 hour | Other
Analysis (circle): (PCM) | TEM | other

Sample Number	Pump #	Sample Location	IB OB	IWA OWA	B (A) EX	P C PE	Time (military) Start	Stop	Tot	Flow (LPM) Beg	End	Avg	Volume (liters)	Results (f/cc)
102318-3239-01		upwind of work, West	OB	IWA	A		0800	1645	525	2.0	2.0	2.0	1,050	
-02		downwind of work, East		IWA			0802	1647	525	2.0	2.0	2.0	1,050	
-03		Critical 1 - North fence		OWA			0804	1648	524	2.0	2.0	2.0	1,048	
-04		Critical 2 - South fence		OWA			0806	1649	524	2.0	2.0	2.0	1,048	
-05		Decon Entrance		OWA			0808	1650	524	2.0	2.0	2.0	1,048	
-06		Decon Exit		OWA			0810	1652	525	2.0	2.0	2.0	1,050	
-07		ambient, outer North Fence		OWA			0812	1654	525	2.0	2.0	2.0	1,050	
-08		Field Blank												
-09		Box Blank												

Matt Zerkle — Sampler	10/23/18	17:00
Matt Zerkle — Relinquished by	10/23/18	17:00
—	10/24/18	8:01
Received by lab	536296	

Sketch



Comments/Special Conditions

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ENVIRONMENTAL TECHNOLOGIES

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LABORATORY REPORT

Attention: Mark Lovejoy
Client: Tantara Corporation
54 Mason Street
Worcester, MA 01610

Project: SET 3239- Nike Missile BU- 34/35- Silo 6 Interior/Exterior

Lab Project #: S36301
Sample Date: 10/24/2018
Date Received: 10/25/2018
Analysis Date: 10/25/2018

PHASE CONTRAST MICROSCOPY BY NIOSH METHOD 7400, Fourth Edition, Issue 2, 8/15/94

Sample	Location	Type	Sample Date	Volume	Fibers	Fields	Fibers/mm2	Fibers/cc
102418-3239-01	Upwind of Work, West	A	10/24/2018	1050	0	100	0	<0.003
102418-3239-02	Downwind of Work, East	A	10/24/2018	1050	1	100	1.27	<0.003
102418-3239-03	Critical 1- North Fence	A	10/24/2018	1050	1.5	100	1.91	<0.003
102418-3239-04	Critical 2- South Fence	A	10/24/2018	1050	0	100	0	<0.003
102418-3239-05	Decon Entrance	A	10/24/2018	1050	3.5	100	4.46	<0.003
102418-3239-06	Decon Exit	A	10/24/2018	1050	0	100	0	<0.003
102418-3239-07	Ambient, Outer North Fence	A	10/24/2018	1050	0	100	0	<0.003
102418-3239-08	Field Blank	BL	10/24/2018		0	100		
102418-3239-09	Box Blank	BL	10/24/2018		0	100		

Carson Cain
Analyst

Approved Signatory

B=Background P=Preparation A=Abatement C=Clearance
CR=Clearance Rush EX=Excursion Air PE=Personal Air Sample BL=Blank

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Analysts' Sr Ranges: Low .37, Med .24, High .16 NYS ELAP #11727

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Air Sampling Worksheet
Chain of Custody

10/23/18 — Date	Silo 6 Interior/Exterior — Work Area Location
Nike missile BU-34/35 — Job Name	Tantara Corp — Client
3237 — Job #	Mark Lovejoy — Client Contact
38°/Rain/1-10mph — Temp/Rain/Wind	20180702
606 — Calibrator #	DC - Lite Primary Flow

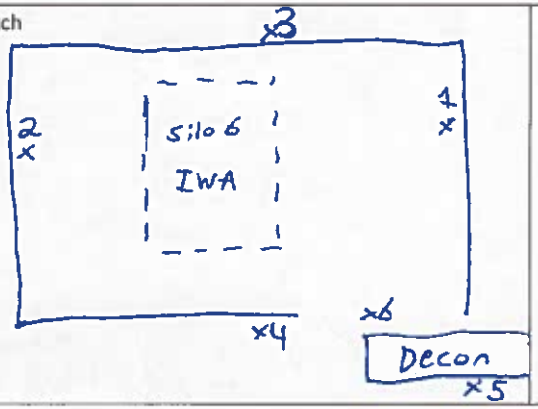
Turnaround (circle): 3 hour | 6 hour | (24 hour) | 48 hour | Other ____

Analysis (circle): (PCM) | TEM | other ____

Sample Number	Pump #	Sample Location	IB OB	IWA OWA	B A EX	P C PE	Time (military) Start	Stop	Tot	Flow (LPM) Beg	End	Avg	Volume (liters)	Results (f/cc)
102418-3239-01		upwind of work, west	OB	IWA	A		0800	1645	525	2.0	2.0	2.0	1,050	
-02		downwind of work, East		IWA			0802	1647	525	2.0	2.0	2.0	1,050	
-03		Critical 1 – North fence		OWA			0804	1649	525	2.0	2.0	2.0	1,050	
-04		Critical 2 – South Fence		OWA			0806	1651	525	2.0	2.0	2.0	1,050	
-05		Decon Entrance		OWA			0808	1653	525	2.0	2.0	2.0	1,050	
-06		Decon Exit		OWA			0810	1655	525	2.0	2.0	2.0	1,050	
-07		ambient, outer North Fence		OWA			0812	1657	525	2.0	2.0	2.0	1,050	
-08		field blank												
-09		Box blank												

Matt Zerkle — Sampler	10/24/18	17:00
Matt Zerkle — Relinquished by	10/24/18	17:00
—	10/25/18	8:01
Received by lab	53630	

Sketch



Comments/Special Conditions

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LABORATORY REPORT

Attention: Mark Lovejoy
Client: Tantara Corporation
54 Mason Street
Worcester, MA 01610

Project: SET 3239- Nike Missile BU- 34/35- Silo 6 Exterior/Interior

Lab Project #: S36307
Sample Date: 10/25/2018
Date Received: 10/26/2018
Analysis Date: 10/26/2018

PHASE CONTRAST MICROSCOPY BY NIOSH METHOD 7400, Fourth Edition, Issue 2, 8/15/94

Sample	Location	Type	Sample Date	Volume	Fibers	Fields	Fibers/mm2	Fibers/cc
102518-3239-01	Upwind of Work, West	A	10/25/2018	1050	0	100	0	<0.003
102518-3239-02	Downwind of Work, East	A	10/25/2018	1050	1	100	1.27	<0.003
102518-3239-03	Critical 1- North Fence	A	10/25/2018	1050	2	100	2.55	<0.003
102518-3239-04	Critical 2- South Fence	A	10/25/2018	1050	1	100	1.27	<0.003
102518-3239-05	Decon Entrance	A	10/25/2018	1050	0	100	0	<0.003
102518-3239-06	Decon Exit	A	10/25/2018	1050	1	100	1.27	<0.003
102518-3239-07	Ambient, Outer North Fence	A	10/25/2018	1050	0	100	0	<0.003
102518-3239-08	Field Blank	BL	10/25/2018		0	100		
102518-3239-09	Box Blank	BL	10/25/2018		0	100		

Carson Cain
Analyst

Approved Signatory

B=Background P=Preparation A=Abatement C=Clearance
CR=Clearance Rush EX=Excursion Air PE=Personal Air Sample BL=Blank

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Analysts' Sr Ranges: Low .37, Med .24, High .16. NYS ELAP #11727

SIENNA ENVIRONMENTAL TECHNOLOGIES

350 Elmwood Ave. • Buffalo, NY 14222
Ⓟ 716-332.3134 Ⓕ 716.332.3136

Air Sampling Worksheet
Chain of Custody

10/25/18 Date	silo 6 Exterior/Interior Work Area Location
Nike Missile BU-34/35 Job Name	Tantara Corp Client
3239 Job #	Mark Lovejoy Client Contact

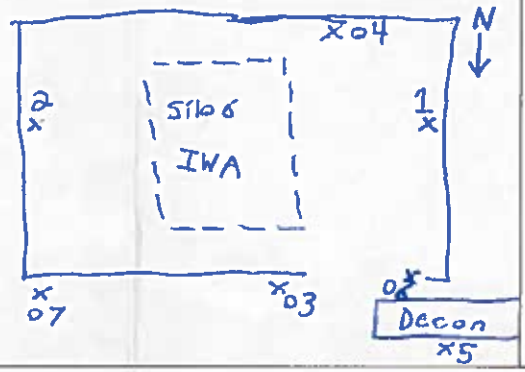
38°/Rainy/1-10mph Temp/Rain/Wind
20180702
606 Calibrator # | DC - Lite Primary Flow

Turnaround (circle): 3 hour | 6 hour | 24 hour | 48 hour | Other
Analysis (circle): PCM | TEM | other

Sample Number	Pump #	Sample Location	IB OB	IWA OWA	B A EX	P C PE	Time (military) Start	Stop	Tot	Flow (LPM) Beg	End	Avg	Volume (liters)	Results (f/cc)
102518-3239-01		upwind of work, West	OB	IWA	A		0800	1645	525	2.0	2.0	2.0	1,050	
-02		downwind of work, East		IWA			0802	1647	525	2.0	2.0	2.0	1,050	
-03		Critical 1 - North fence		OWA			0804	1649	525	2.0	2.0	2.0	1,050	
-04		Critical 2 - South fence		OWA			0806	1651	525	2.0	2.0	2.0	1,050	
-05		Decon Entrance		OWA			0808	1653	525	2.0	2.0	2.0	1,050	
-06		Decon Exit		OWA			0810	1655	525	2.0	2.0	2.0	1,050	
-07		ambient, outer North Fence		OWA			0812	1657	525	2.0	2.0	2.0	1,050	
-08		field blank												
-09		Box Blank												

Matt Zerka Sampler	10/25/18	17:00
Matt Zerka Relinquished by	10/25/18	17:00
Received by lab	10/26/18	8:50
	53607	

Sketch



Comments/Special Conditions

SIENNA
ENVIRONMENTAL TECHNOLOGIES

350 Elmwood Ave. • Buffalo, NY 14222
(P) 716.332.3134 (F) 716.332.3136

LABORATORY REPORT

Attention: Mark Lovejoy
Client: Tantara Corporation
54 Mason Street
Worcester, MA 01610

Project: SET 3239- Nike Missile Silos- Silo #6 Exterior/Int

Lab Project #: S36322
Sample Date: 10/29/2018
Date Received: 10/30/2018
Analysis Date: 10/30/2018

PHASE CONTRAST MICROSCOPY BY NIOSH METHOD 7400, Fourth Edition, Issue 2, 8/15/94

Sample	Location	Type	Sample Date	Volume	Fibers	Fields	Fibers/mm2	Fibers/cc
102918-3239-01	Upwind of Work, North	A	10/29/2018	1275	0	100	0	<0.002
102918-3239-02	Downwind of Work, South	A	10/29/2018	1275	1.5	100	1.91	<0.002
102918-3239-03	Critical 1- West Fence	A	10/29/2018	1275	0	100	0	<0.002
102918-3239-04	Critical 2- East Fence	A	10/29/2018	1275	3	100	3.82	<0.002
102918-3239-05	Decon Entrance	A	10/29/2018	1275	4	100	5.1	<0.002
102918-3239-06	Decon Exit	A	10/29/2018	1275	1.5	100	1.91	<0.002
102918-3239-07	Ambient, Outer North Fence	A	10/29/2018	1275	0	100	0	<0.002
102918-3239-08	Field Blank	BL	10/29/2018		0	100		
102918-3239-09	Box Blank	BL	10/29/2018		0	100		

Carson Cain
Analyst

Approved Signatory

B=Background P=Preparation A=Abatement C=Clearance
CR=Clearance Rush EX=Excursion Air PE=Personal Air Sample BL=Blank

 The Sr for analysts is calculated per NIOSH Method 7400 using quality control data including 95% Confidence Interval (CI). Minimum volume of 900L required by NIOSH Method 7400 to reach CI of 95% at Method's Limit of Detection (LOD) at < 0.01 fiber/cc.
Analysts' Sr Ranges: Low .37, Med .24, High .16. NYS ELAP #11727

SIENNA ENVIRONMENTAL TECHNOLOGIES

350 Elmwood Ave. • Buffalo, NY 14222
Ⓟ 716-332.3134 Ⓕ 716.332.3136

Air Sampling Worksheet
Chain of Custody

10/29/18 — Date	Nike Silo #6 Exterior/Int — Work Area Location
Nike missile silos — Job Name	Tantara Corp — Client
3239 — Job #	Mark Lovejoy — Client Contact

38°/Rainy/windy — Temp/Rain/Wind	
20180702	
606 — Calibrator #	DC - Lite / Primary Flow

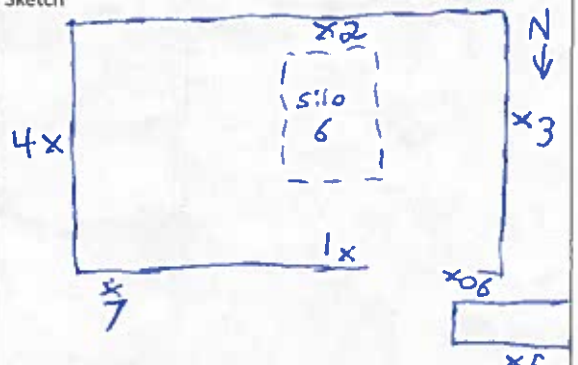
Turnaround (circle): 3 hour | 6 hour | ~~24 hour~~ | 48 hour | Other ____

Analysis (circle): PCM | TEM | ____ other

Sample Number	Pump #	Sample Location	IB OB	IWA OWA	B A EX	P C PE	Time (military) Start	Stop	Tot	Flow (LPM) Beg	End	Avg	Volume (liters)	Results (f/cc)
102918-3239-01		Upwind of work, North	OB	IWA	A		0800	1630	510	2.5	2.5	2.5		
-02		downwind of work, South		IWA			0802	1632	510	2.5	2.5	2.5		
-03		Critical 1 - West fence		OWA			0804	1634	510	2.5	2.5	2.5		
-04		Critical 2 - East fence		OWA			0806	1636	510	2.5	2.5	2.5		
-05		Decon Entrance		OWA			0808	1638	510	2.5	2.5	2.5		
-06		Decon Exit		OWA			0810	1640	510	2.5	2.5	2.5		
-07		ambient, outer North Fence		OWA			0812	1642	510	2.5	2.5	2.5		
-08		field blank												
-09		Box Blank												

Matt Gorski — Sampler	10/29/18	17:00
Matt Gorski — Relinquished by	10/29/18	17:00
[signature]	10/30/18	8:01
Received by lab	538372	

Sketch



Comments/Special Conditions

SIENNA
ENVIRONMENTAL TECHNOLOGIES

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(P) 716.332.3134 (F) 716.332.3136

LABORATORY REPORT

Attention: Mark Lovejoy
Client: Tantara Corporation
54 Mason Street
Worcester, MA 01610

Project: SET 3239- Nike Missile Silos- Nike Silo 6 Exterior/Interior

Lab Project #: S36325
Sample Date: 10/30/2018
Date Received: 10/31/2018
Analysis Date: 10/31/2018

PHASE CONTRAST MICROSCOPY BY NIOSH METHOD 7400, Fourth Edition, Issue 2, 8/15/94

Sample	Location	Type	Sample Date	Volume	Fibers	Fields	Fibers/mm2	Fibers/cc
103018-3239-01	Upwind of Work, North Wall	C	10/30/2018	1260	0	100	0	<0.002
103018-3239-02	Downwind of Work, South Wall	C	10/30/2018	1260	0.5	100	0.64	<0.002
103018-3239-03	Critical-1, North Wall	C	10/30/2018	1260	0	100	0	<0.002
103018-3239-04	Critical-2, South Wall	C	10/30/2018	1260	0.5	100	0.64	<0.002
103018-3239-05	Critical-3, West Wall	C	10/30/2018	1260	0	100	0	<0.002
103018-3239-06	Critical-4, East Wall	C	10/30/2018	1260	0	100	0	<0.002
103018-3239-07	Critical-5, South Wall	C	10/30/2018	1260	0	100	0	<0.002
103018-3239-08	Decon Entrance	C	10/30/2018	1260	0	100	0	<0.002
103018-3239-09	Decon Exit	C	10/30/2018	1260	0	100	0	<0.002
103018-3239-10	Ambient, Outer North Fence	C	10/30/2018	1260	0	100	0	<0.002
103018-3239-11	Field Blank	BL	10/30/2018		0	100		
103018-3239-12	Box Blank	BL	10/30/2018		0	100		

Carson Cain
Analyst

Approved Signatory

B=Background P=Preparation A=Abatement C=Clearance
CR=Clearance Rush EX=Excursion Air PE=Personal Air Sample BL=Blank

SIENNA
ENVIRONMENTAL TECHNOLOGIES

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Ⓟ 716-332.3134 Ⓕ 716.332.3136

Air Sampling Worksheet
Chain of Custody

10/30/18 — Date	Nike Silo #6 Exterior/Interior — Work Area Location
Nike Missile Silos — Job Name	Tantara Corp — Client
3239 — Job #	Mark Lovejoy — Client Contact

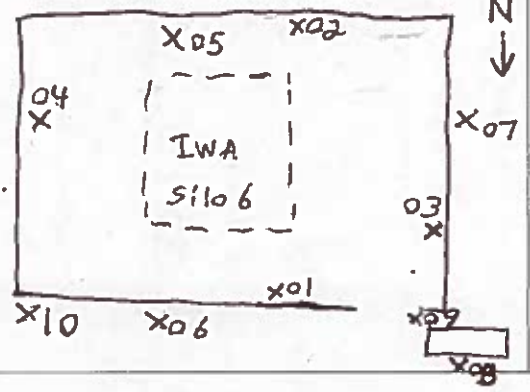
38°/Sunny/windy — Temp/Rain/Wind
20180702
606 — Calibrator # / DC - Lite Primary Flow

Turnaround (circle): 3 hour | 6 hour | (24 hour) | 48 hour | Other
Analysis (circle): (PCM) | TEM | other

Sample Number	Pump #	Sample Location	IB OB	IWA OWA	B A EX P PE	Time (military) Start	Stop	Tot	Flow (LPM) Beg	End	Avg	Volume (liters)	Results (f/cc)
103018-3239-01		upwind of work, Northwall	OB	IWA	C	0745	1445	420	3.0	3.0	3.0	1,260	
-02		downwind of work, Southwall		IWA		0747	1447	420	3.0	3.0	3.0	1,260	
-03		Critical-1, Northwall		IWA		0749	1449	420	3.0	3.0	3.0	1,260	
-04		Critical-2, Southwall		IWA		0751	1451	420	3.0	3.0	3.0	1,260	
-05		Critical-3, Westwall		IWA		0753	1453	420	3.0	3.0	3.0	1,260	
-06		Critical-4, Eastwall		OWA		0755	1455	420	3.0	3.0	3.0	1,260	
-07		Critical-5, Southwall		OWA		0757	1457	420	3.0	3.0	3.0	1,260	
-08		Decon Entrance		OWA		0759	1459	420	3.0	3.0	3.0	1,260	
-09		Decon Exit		OWA		0801	1501	420	3.0	3.0	3.0	1,260	
-10		ambient, outer North Fence		OWA		0803	1503	420	3.0	3.0	3.0	1,260	
-11		field blank											
-12		Box Blank											

Matt Zerbe — Sampler	10/30/18	17:00
Matt Zerbe — Relinquished by	10/30/18	17:00
[signature]	10/31/18	8:01
Received by lab	536325	

Sketch



Comments/Special Conditions

6. LABORATORY ACCREDITATION

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2019
Issued April 01, 2018

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MS. SUSANNE KELLEY
SIENNA ENVIRONMENTAL TECHNOLOGIES, LLC
350 ELMWOOD AVENUE
BUFFALO, NY 14222

NY Lab Id No: 11727

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES AIR AND EMISSIONS
All approved subcategories and/or analytes are listed below:

Miscellaneous

Fibers	NIOSH 7400 A RULES

Serial No.: 57942

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2019
Issued April 01, 2018

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MS. RHONDA R. MCGEE
EMSL ANALYTICAL INC
490 ROWLEY ROAD
DEPEW, NY 14043

NY Lab Id No: 11606

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES AIR AND EMISSIONS
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos	40 CFR 763 APX A No. III
	YAMATE,AGARWAL GIBB
	NIOSH 7402
Fibers	NIOSH 7400 A RULES

Serial No.: 57853

7. VARIANCE

Division of Safety and Health
Engineering Services Unit

Department of Labor
W. Averell Harriman State Office Campus
Building 12, Room 154, Albany, NY 12240
www.labor.ny.gov
518-457-1536

May 25, 2018

Sienna Environmental Technologies
350 Elmwood Ave
Buffalo, NY 14222

RE: File No. 18-0656

Dear Sir/Madam:

STATE OF NEW YORK
DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH

The attached is a copy of Decision, dated, 5/25/2018, which I have compared with the original filed in this office and which I DO HEREBY CERTIFY to be a correct transcript of the text of the said original.

If you are aggrieved by this decision you may appeal within 60 days from its issuance to the Industrial Board of Appeals as provided by Section 101 of the Labor Law. Your appeal should be addressed to the Industrial Board of Appeals, State Office Building Campus, Building 12, Room 116, Albany, New York, 12240 as prescribed by its Rules and Procedure, a copy of which may be obtained upon request.

WITNESS my hand and the seal of the
NYS Department of Labor, at the City of
Albany, on this day of 5/25/2018.

Edward A. Smith, P.E.
Professional Engineer 2 (Industrial)

STATE OF NEW YORK
DEPARTMENT OF LABOR
STATE OFFICE BUILDING CAMPUS
ALBANY, NEW YORK 12240-0100

Variance Petition

of

Sienna Environmental Technologies LLC
Petitioner's Agent on Behalf

of

Waterhill Trust
Petitioner

in re

Premises: Former Nike Missile Silos
601 Willardshire Road
Aurora, New York 14502

Cleanup of Friable ACM Debris and Intact Removal of Non-Friable ACM

File No. 18-0656

DECISION

Cases 1-13

ICR 56

The Petitioner, pursuant to Section 30 of the Labor Law, having filed Petition No. 18-0656 on May 24, 2018 with the Commissioner of Labor for a variance from the provisions of Industrial Code Rule 56 as hereinafter cited on the grounds that there are practical difficulties or unnecessary hardship in carrying out the provisions of said Rule; and the Commissioner of Labor having reviewed the submission of the petitioner dated May 17, 2018; and

Upon considering the merits of the alleged practical difficulties or unnecessary hardship and upon the record herein, the Commissioner of Labor does hereby take the following actions:

Case No. 2	ICR 56-7.11 (e)
Case No. 3	ICR 56-7.5
Case No. 4	ICR 56-9.1 (b, c)
Case No. 5	ICR 56-9.2 (d)
Case No. 6	ICR 56-11.2 (f)
Case No. 7	ICR 56-11.2 (f) (4)
Case No. 8	ICR 56-11.6
Case No. 9	ICR 56-7.5 (e)
Case No. 10	ICR 56-8.9 (d)
Case No. 11	ICR 56-9.2 (d)
Case No. 12	ICR 56-11.3 (d, e)
Case No. 13	ICR 56-11.8

VARIANCE GRANTED. The Petitioner's proposal for cleanup and removal of friable and non-friable as listed by the petitioner, from the subject premises in accordance with the attached 10-page stamped copy of the Petitioner's submittal, is accepted; subject to the Conditions noted below:

THE CONDITIONS

1. A full time independent project monitor shall be on site and responsible for oversight of the abatement contractor during all abatement activities to ensure compliance with ICR 56 and variance conditions and to ensure that no visible emissions are generated. If visible emissions are observed, work practices shall be altered according to the project monitor's recommendations.

2. The Project Monitor shall perform the following functions during asbestos abatement projects in addition to functions already required by ICR-56:

    a. Inspection of the interior of the asbestos project work area made at least twice every work shift accompanied by the Asbestos Supervisor;
    b. Observe and monitor the activities of the asbestos abatement contractor to determine that proper work practices are used and are in compliance with all asbestos laws and regulations;
    c. Inform the asbestos abatement contractor of work practices that, in the Project Monitor's opinion, pose a threat to public health or the environment, and are not in compliance with ICR-56 and/or approved variances or other applicable rules and/or regulations;
    d. Document in the Project Monitor Log observations and recommendations made to the Asbestos Supervisor based upon the interior/exterior observations of the asbestos project made by the PM.

3. The PM shall alert the local District Office of the NYSDOL Asbestos Control Bureau whenever, after the PM has provided recommendations to the Asbestos Supervisor, unresolved conditions remain at the asbestos project site which present a significant potential to adversely affect human health or the environment.

4. Usage of this variance is limited to those asbestos removals identified in this variance or as outlined in the Petitioner's proposal.

In addition to the conditions required by the above specific variances, the Petitioner shall also comply with the following general conditions:

GENERAL CONDITIONS

1. A copy of this DECISION and the Petitioner's proposals shall be conspicuously displayed at the entrance to the personal decontamination enclosure.

2. This DECISION shall apply only to the removal of asbestos-containing materials from the aforementioned areas of the subject premises.

3. The Petitioner shall comply with all other applicable provisions of Industrial Code Rule 56-1 through 56-12.

4. The NYS Department of Labor Engineering Service Unit retains full authority to interpret this variance for compliance herewith and for compliance with Labor Law Article 30. Any deviation to the conditions leading to this variance shall render this variance Null and Void pursuant to 12NYCRR 56-12.2. Any questions regarding the conditions supporting the need for this variance and/or regarding compliance hereto must be directed to the Engineering Services Unit for clarification.

5. This DECISION shall terminate on May 31, 2019.

Date: May 25, 2018

ROBERTA L. REARDON
COMMISSIONER OF LABOR

By

Edward A. Smith, P.E.
Professional Engineer 2 (Industrial)

PREPARED BY: Edward A. Smith, P.E.
Professional Engineer 2 (Industrial)

REVIEWED BY: Ravi Pilar, P.E.
Professional Engineer 1 (Industrial)

180656

DEPARTMENT OF THE ARMY
NEW YORK DISTRICT, CORPS OF ENGINEERS
JACOB K. JAVITS FEDERAL BUILDING
NEW YORK, N.Y. 10278-0090
May 23, 2018

REPLY TO
ATTENTION OF

Programs and Project Management Division

New York State Department of Labor
Division of Safety and Health
Engineering Services Unit
c/o Mr. Edward A. Smith, P.E.
Building 12, Room 154
State Office Building Campus
Albany, New York 12240

RE: SITE SPECIFIC VARIANCE REQUEST – FORMER NIAGARA DEFENSE BATTERY, NIKE BU 34/35, AURORA, NEW YORK
[FORMERLY USED DEFENSE SITE PROJECT No. C02NY0077]

Dear Mr. Smith:

Under our Formerly Used Defense Site Program, we have initiated work on the closure of six (6) underground former missile silos at the former "launch area" property, located at 601 Willardshire Road, Aurora, New York. The property is now owned by a private party (i.e., the Waterhill Trust). In order to inspect the silo interiors prior to demolition, we opened the silos after they were previously shut tight and capped with soil; as Nike site use ended c. 1962.

Prior to demolishing the silos, we must address the conditions presented by asbestos within the silos, and underground piping discovered to contain asbestos containing materials.

Our prime contractor for the work, Tantara Corp., has engaged the services of Sienna Environmental Technologies to prepare the enclosed *Petition for An Asbestos Variance*, and Tantara will further arrange for asbestos abatement services.

We are requesting your review and approval of this *Petition*, such that we may continue the progress of our work. Thank you in advance for your consideration.

Please contact me at (917) 790-8235, should you have any questions regarding this matter.

Sincerely,

Gregory J. Goepfert
Project Manager

180656

Encl.: Petition for Asbestos Variance

cc:

U.S. Army Corps of Engineers, New England District (Ms. Penny Reddy)

U.S. Army Corps of Engineers, New York District (Mr. Joseph Salvatore)

Tantara Corp. (Mr. Mark Lovejoy)

Sienna Environmental Technologies, LLC (Mr. Sean Fitzgerald)

Waterhill Trust

- 56-9.2(d) – The presence of a sediment covered floor makes aggressive sampling infeasible.
- 56-11.2(f) – Petitioner requires relief from various provisions in that disturbance is greater than 10 square feet.
- 56-11.2(f)(4) – Petitioner request relief from provisions which disallow abatement of undisturbed quantities of ACM.

Exterior Work Area(s)

- 56-11.6 –Petitioner requests relief from provisions which disallow mechanical removal methods.
- 56-7.5(e) – Waste Decontamination System Enclosure
- 56-8.9(d) – Lockable Hard Top Dumpster – Cementitious Piping will be placed directly into an open top dumpster using heavy machinery.
- 56-9.2(d) – Final air clearance sampling
- 56-11.3(d)(e) – Glove bag and Tent Use
- 56-11.8 - Abandoned Pipe/Duct/Conduit Wrap and Cut Removal – Cementitious Pipe cannot be wrapped or have drop cloth placed underneath before removal.

10. Hardship Description

The Former Niagara Falls-Buffalo Defense Nike Battery BU-34/35 is located in Erie County, New York and consisted of two operational areas located on separate parcels of land separated by approximately 2 miles. This includes the former "Launch Area", which consists of underground Nike missile magazines (referred to as silos). These silos are located at 601 Willardshire Road in East Aurora, NY. The silos' floors, walls, and ceilings are constructed of reinforced concrete, built to withstand direct missile strikes, and are below grade, extending approximately sixteen feet (16') below the ground level. As part of an U.S. Army Corps of Engineers Project, the (6) six Nike Missile Silos are to be demolished.

After the recent re-opening of the sealed Nike Missile Silos #1-5, it was discovered that corrugated pipe insulation and mudded pipe fittings, which have been confirmed to be an asbestos containing materials (ACM), have deteriorated and fallen from overhead piping along the walls of each silo. Approximately 175-185 LF of corrugated pipe insulation and mudded pipe fittings remain intact in each silo. Approximately 20-25 SF of pipe insulation and fitting debris exists within each silo. The silos have been left undisturbed for years, and since last occupied the floors have accumulated roughly 3"-6" of sediment. The extent of contaminated sediment is directly beneath the piping in each silo, roughly 5' from the exterior walls. Also included in interior ACM removal is Cementitious Pegboard, Gaskets, and Wire Insulation located at the light fixtures. All interior ACM is to be removed as part of this project.

Upon investigation of the exterior of the Nike Missile Silos, buried Cementitious Piping has been confirmed to be ACM. Cementitious Piping is believed to be intact and is located approximately 4' below ground level.

11: Proposed Abatement Method:

Interior ACM Removal:

1. A certified full time project monitor shall be onsite for the duration of the project to ensure compliance with these methods, and ensure no visible emissions are observed.
2. The silo shall be vacated of uncertified personnel and the area regulated by the installation of barrier tape and signage per ICR 56-7.4.

Interior ACM Removal (Continued):

8. Work area description table

Work area designation	Exterior or interior	Work/room area dimensions	Type of ACM	Quantity of ACM	Condition of ACM	Friability of ACM	Type of containment
Underground NIKE Missile Silos #1-5	Interior	3600 SF Each	Corrugated Pipe Insulation and Mudded Pipe Fittings	Approx. 185 LF Intact Each and typically 20-25 SF debris Each	Damaged	Friable	See Conditions Below
			Gaskets	15 SF Each	Intact	Non-Friable	
		300 SF Each	Cementitious Pegboard	810 SF Each	Intact	Non-Friable	
		Throughout Interiors	Wire Insulation	53 Fixtures Each	Intact	Non-Friable	
Underground NIKE Missile Silos #1-6	Exterior	Below Grade	Cementitious Piping	200 LF Each	Unknown	Non-Friable	
*Underground NIKE Missile Silo #6	Interior	4000 SF	Contaminated Debris	4000 SF	Damaged	Friable	Standard ICR 56-11.5 Pending Condemnation

*Silo #6 has not been re-opened but is believed to be structurally unsound and filled with contaminated debris and soil mixed with the friable pipe insulation. Silo #6, is assumed to contain the same types and quantities of materials as Silos #1-5. Silo #6 will be treated separately and addressed by the standard requirements of ICR 56-11.5 - Controlled Demolition with Asbestos In Place, pending P.E. or Architect condemnation letter. If Silo #6 is deemed to be structurally sound, an amendment will be submitted to include Silo #6 as part of this variance.

9. ICR 56 Relief Sought

The petitioner proposes that the work methods laid out below be accepted and requests relief from the following provisions of ICR-56:

Interior Work Area(s)

- 56-6 – A disturbance exists, background sampling shall not be conducted.
- 56-7.11(e) – As the space requires decontamination of floor, wall, and ceiling, plasticization shall not be required.
- 56-7.5 – Personal Attached Large Project Decontamination Facilities.
- 56-9.1(b)(c) – Exemption per 56-9.1(e) shall apply

3. In that a disturbance exists background samples shall not be collected.
4. An remote large project decontamination facility shall be established as close to each stairwell as possible. Decontamination facility shall be in compliance with ICR 56-7.5(d). A double - airlock will be attached to each silo and will serve as a changing area for authorized personal.
5. Upon installation of the decontamination facility, personal protective clothing and respiratory protection shall be worn throughout the duration of the abatement project.
6. Critical barriers shall be installed at all openings to the silo, including but not limited to pipe vents, hatches, and openings per ICR 56-7.11(a). All visible accumulations of ACM in the area of the critical barriers shall be cleaned as per ICR 56-7.10(c)(1) prior to installation of the barriers.
7. Plasticization of floor, walls, and ceiling will not take place, as they are deemed to be contaminated.
8. Negative air pressure shall be established at a minimum of 8 air changes per hour. A minimum four (4) hour pre-abatement settling period per ICR 56-8.2(b) shall elapse once the negative air has been established.
9. All non-porous non-asbestos items/debris within the silo shall be decontaminated and removed from the crawlspace. Porous non-asbestos items shall be properly packaged and disposed of as RACM.
10. All asbestos debris and damaged material shall be wetted and bagged for disposal. The top two inches (2") of sediment shall be removed within five feet (5') of furthest extent of contamination. A Project Monitor shall conduct visual inspection of the soil and debris following ASTM E1368 to determine if the minimum two inches (2") is adequate.
11. Glove bag removal shall then be utilized per ICR 56-8.4(a) to remove the remaining intact corrugated pipe insulation, including use of drop clothes below removal locations.
12. Upon completion of corrugated pipe insulation removal, remaining non-friable materials will be removed in an intact state per ICR 56-8.6. All removals shall utilize wet methods and drop cloths.
13. After each material type is removed an intermediate visual inspection shall take place per ICR 56-8.6(b) by the Project Supervisor and independent third-party Project Monitor.
14. One (1) final cleaning of contaminated non-porous surfaces shall take place per ICR 56-9.1(e). All surfaces will be HEPA vacuumed and wet wiped.
15. In lieu of post-abatement clearance air monitoring in compliance with ICR-56-9.2(d), the most recent daily abatement air samples collected during cleaning operations in the regulated work area, shall be used for comparison with ICR 56-4.11 clearance criteria. An additional five (5) inside work area samples shall be taken during all Phase IIC activities.
16. The contractor shall observe, at minimum, an eight (8) hour waiting (settling/drying) period.
17. After removal and cleanings are complete and a minimum drying period has elapsed, an authorized and qualified Project Monitor shall determine if the scope of work complete and if the work area is free of visible asbestos debris/residue. If the area is determined to be acceptable and the most recent daily abatement air sample results meet ICR 56-4.11 clearance criteria, the final dismantling of the site may begin.
18. After abatement of the asbestos and asbestos debris, all plastic sheeting and tape will be treated as contaminated material and properly disposed of asbestos waste at the end of the project.

Exterior Cementitious Pipe Removal:

1. The work procedures will follow requirements outlined in 56-11.5 – Controlled Demolition with Asbestos in Place, except as modified by this variance.
2. A certified full time project monitor shall be onsite for the duration of the project to ensure compliance with these methods, and ensure no visible emissions are observed.
3. Asbestos abatement work area isolation methods will be established as per 56-7.4. In addition, all regulated abatement work areas, the remote decontamination unit and dumpster will be cordoned off at a distance of twenty-five feet (25') and will remain vacated except for trained and certified workers, in accordance with ICR 56-3.2.
4. Entry/exit of all persons and equipment shall be through one designated and secure access way within the barrier or fence, which shall provide an adequate and appropriate means of egress from the work area. An area shall be established within this access way that shall suffice as an equipment room/gross decontamination area in which all equipment and personnel will remove all gross contamination utilizing HEPA vacuums and/or wet methods. The remote personal decontamination system enclosure requirements as per ICR 56-7.5(d)(1) through (6) shall be followed.
5. Personal protective equipment as per ICR 56-7.6 shall be utilized by all persons within the work area.
6. Excavation to expose the buried cementitious pipe will be performed by an asbestos certified operator of the mechanical equipment. Proper trench safety in accordance with OSHA 29 CFR 1926 (i.e. installation of trench boxes, trench step-back excavation, etc.) will be utilized.
7. Mechanical excavation shall be used to excavate soils to within 6 inches of the buried pipe. Manual excavation methods must be used to adequately expose the pipe subject to abatement.
8. If possible, glovebags shall be utilized consistent with ICR 56-8.4 and OSHA 29 CFR 1926.1101, for all cuts/breaks of cementitious pipe sections in the pit/trench.
9. One worker shall continually wet down each pipe section during removal operations.
10. Once each section of pipe is extracted from the trench, a thorough cleaning of all visible pipe debris must be completed in the immediate area. Any observed pipe debris will be wetted and immediately containerized or wrapped in two layers of 6 mil, fire retardant plastic sheeting and secured air tight prior to transfer to the appropriate waste container for disposal by appropriate legal method.
11. Nylon slings shall be used to move pipe sections of convenient lengths.
12. Pipe sections shall be immediately containerized in two layers of 6 mil, fire retardant plastic sheeting, and sealed airtight. All containerized pipe sections shall then be placed in an open top asbestos waste dumpster. Asbestos waste dumpsters shall be lined with two layers of 6mil, fire retardant plastic sheeting per ICR 56-8.9(g) until transport.

Exterior Cementitious Pipe Removal (Continued)

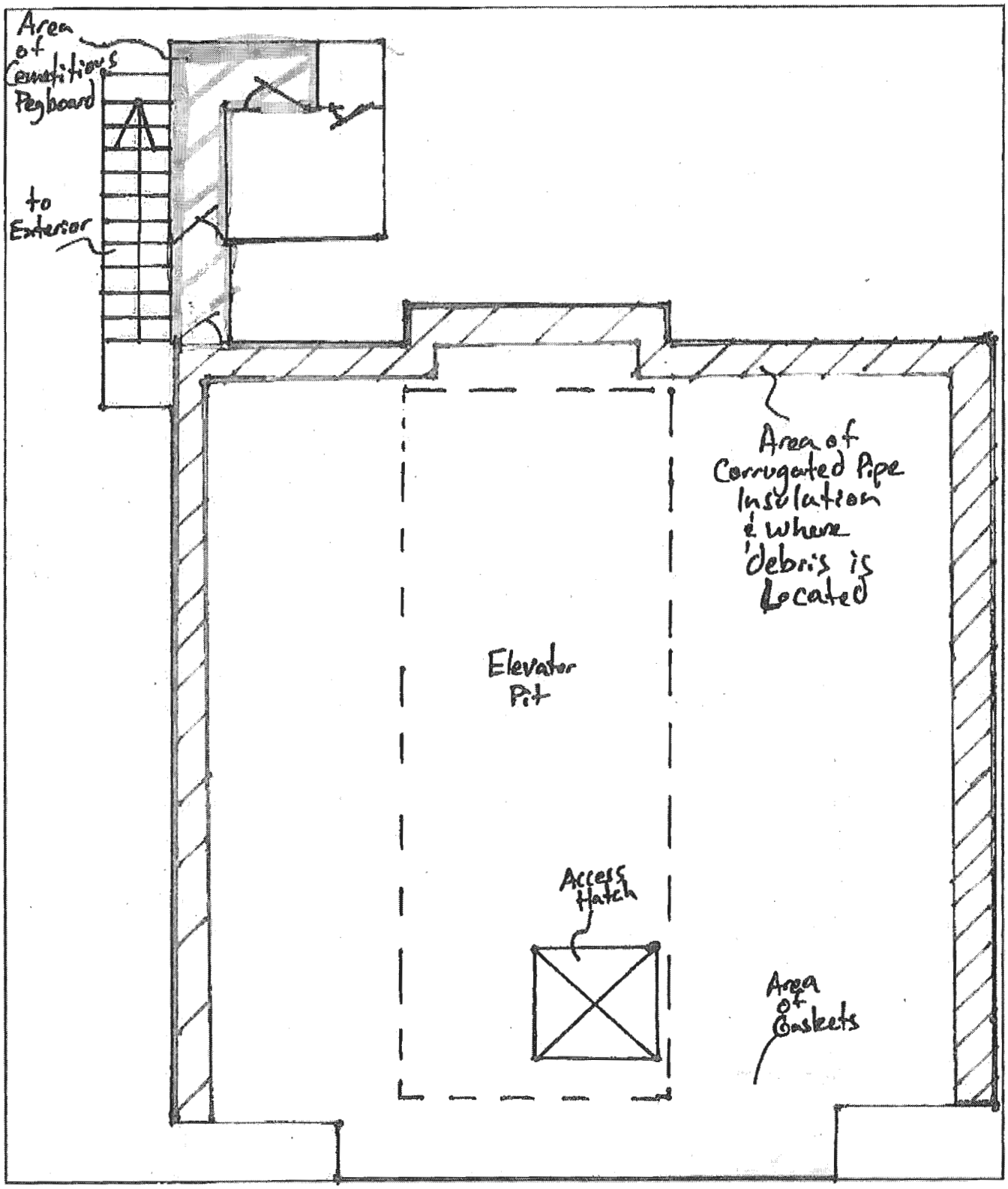
13. Background air sampling shall not be conducted.

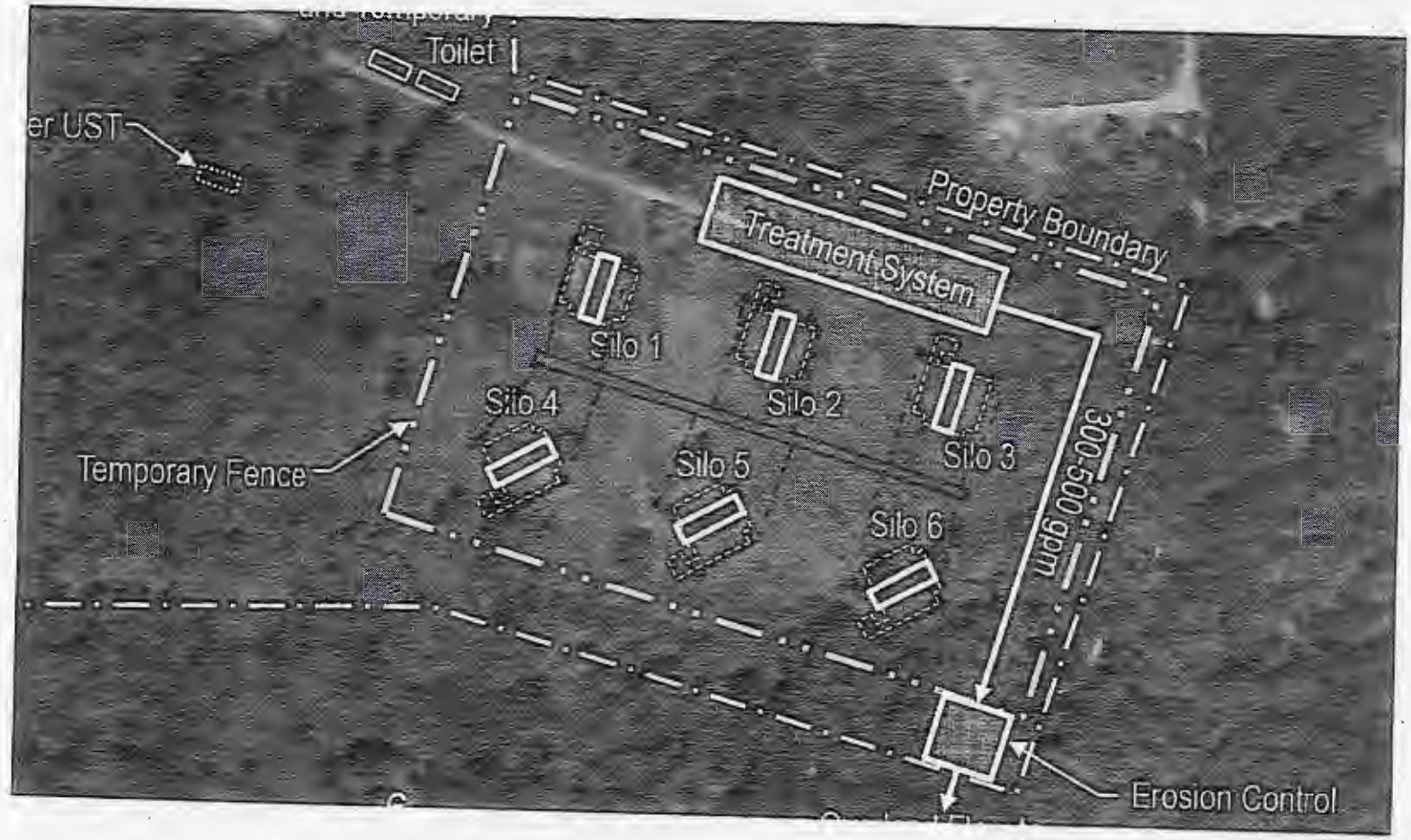
14. Daily air sampling shall be conducted for Phase IIA and Phase IIB. In addition to the requirements of ICR 56-4.9(b-c), air monitoring within the work areas shall be conducted daily during abatement and cleaning activities. Two (2) additional daily air samples shall be collected within the work areas in the immediate vicinity of potential disturbance activities. The inside work area air samples shall be collected for each entire work shift with the sample locations being distributed both upwind and downwind of the daily abatement activities.
15. In lieu of post-abatement clearance air monitoring in compliance with ICR-56-9.2(d), the most recent daily abatement air samples collected during cleaning operations in the regulated work area, shall be used for comparison with ICR 56-4.11 clearance criteria.
16. Upon completion of cementitious pipe removal, a certified Project Monitor shall perform visual inspection of the work area to determine if the area is dry and free of visible asbestos debris. If the area is determined to be acceptable and the most recent daily abatement air sample results meet ICR 56-4.11 clearance criteria, the final dismantling of the site may begin.

APPENDIX B – PROJECT SKECTHES

180656

Project: Underground Nike Missile Silo Date: 5/16/18
Building: Typical Silo (#1-6)
Room: Interior
Scale: None





Key

- Storm Drain Line
- Assumed Path of Cementitious Piping
- Hatch Location