

# **NAWS Environmental Advisory Update**

### INTRODUCTION

Naval Air Weapons Station China Lake (NAWSCL) has prepared this fact sheet to provide updated information about the discovery of detectable levels of asbestos within the surface soil of a vacant lot located on the Installation.

### **BACKGROUND AND HISTORY**

A vacant lot located North of Blandy Avenue (See Figure 1) was found to contain detectable levels of asbestos in the surface soil after inspections were conducted in late April 2018. These inspections were initiated by a request to support a potential helicopter landing and heavy equipment staging on the lot, which used to contain base housing. Use of the lot was denied as a helicopter landing zone and



FIGURE 1

staging area for heavy equipment. Additionally, the NAWS Commanding Officer, in consultation with local base, Naval Facilities Engineering Command (NAVFAC) Southwest Division Environmental, and Navy and Marine Corps Public Health Center asbestos experts has restricted

access to the lot until further analysis and safety actions are completed.

NAWS China Lake is located in the southeastern California desert, about 150 miles northeast of Los Angeles. It is composed of two major areas, the China Lake Complex, and the Randsburg Wash/Mojave B Complex (see Figure 2).

The original Naval Ordnance Test Station at China Lake was established in 1943 and has expanded through the years in support of air warfare systems research, development, test, acquisition and evaluation for the U.S. Department of Defense and the Navy.

# Olancha Darwin Naval Air Weapons Station China Lake Complex Pearsonville Naval Air Weapons Station Randsburg Wash/Mojave B Complex Ridgecrest Ridgecrest Barstow San Bernardino Los Angeles Pacific Ocean

FIGURE 2

# COMPLETED ACTIONS

Air quality testing was conducted at the NAWS China Lake Child Development Center (CDC) on July 19, 2018. A total of 14 samples were collected and the results of 12 of the 14 samples showed no asbestos detected. The remaining two samples, both from locations on the NAWSCL CDC playground were not able to be analyzed. The samples were collected near misters and the combination of dirt and water overloaded them. The official report is being released as Appendix A of this fact sheet.

- Fencing was placed around the lot to restrict pedestrian and motor vehicle access on July 6, 2018.
- An environmental advisory was sent to the local media on Jun, 25, 2018. On July 3, 2018, the statement was posted to the NAWS China Lake Facebook page.
- Other areas where base housing was demolished have been added to the Installation Restoration (IR) program for analysis and action, as required. Follow up actions are currently being planned and will be communicated as further work is implemented.
- Additional testing of the lot to determine the presence of asbestos in the soil was accomplished in May of 2018.
- A visual inspection of the lot was performed in April of 2018 in response to a request to support a potential helicopter landing and heavy equipment staging in the area.

## **FUTURE ACTIONS**

- Air quality testing to be performed during follow-on actions to the lot.
- Future testing of soil on other areas identified as demolished former base housing by the IR program.

### FREQUENTLY ASKED QUESTIONS

### What is asbestos and is it hazardous?

Asbestos refers to a family of fibrous minerals found all over world and in the serpentine rock that occurs throughout California. When the fibers break off and become airborne, they can create a health risk if inhaled. Asbestos exposure is associated with certain types of lung cancer. In the past, asbestos was used in many products and building materials because of its heat-resistant and structural properties. As a result, building remodeling and demolition projects produce much of the asbestos waste seen today.

According to the Environmental Protection Agency, asbestos that is in good condition and left undisturbed is unlikely to present a health risk. The risks from asbestos occur when it is damaged or disturbed where asbestos fibers become airborne and can be inhaled. Managing asbestos in place and maintaining it in good repair is often the best approach. Most people exposed to small amounts of asbestos, as we all are in our daily lives, do not develop health problems. More information on asbestos can be found at <a href="https://www.epa.gov/asbestos">https://www.epa.gov/asbestos</a>.

## How is asbestos regulated?

According to the California Department of Public Health, the U.S. EPA and the Occupational Safety and Health Administration (OSHA) are responsible for regulating environmental exposure and protecting workers from asbestos exposure.

The EPA is responsible for developing and enforcing regulations necessary to protect the general public from exposure to airborne contaminants that are known to be hazardous to human health, according to the National Emission Standard for Asbestos (NESHAP) rules. People who plan to renovate a structure or another activity that will result in disturbing a certain amount of asbestos, or who plan to demolish any building, are required to notify the appropriate federal, state, and local agencies, and to follow all federal, state, and local requirements for removal and disposal of regulated asbestos-containing material (RACM). In most cases, the agency responsible for investigating EPA NESHAP-related incidents is your local Air District, but the California Air Resources Board (CARB) is responsible for some locations in the State.

OSHA is responsible for the health and safety of workers who may be exposed to asbestos in the work place or in connection with their jobs. The EPA's Worker Protection Rule (40 CFR Part 763, Subpart G) extends

the OSHA standards to state and local employees who perform asbestos work and who are not covered by the OSHA Asbestos Standards, or by a state OSHA plan. The Rule parallels OSHA requirements and covers medical examinations, air monitoring and reporting, protective equipment, work practices, and record keeping. In addition, many California state and local agencies have more stringent standards than those required by the Federal government.

## What is NAWS China Lake doing to address this?

Since the initial visual inspection revealed potential asbestos contamination, NAWS China Lake personnel, in collaboration with consultation with local base, Naval Facilities Engineering Command Southwest Division Environmental, and Navy and Marine Corps Public Health Center asbestos experts, have followed all Federal and State regulations regarding asbestos. Access to the lot has been restricted until further analysis and safety actions are completed to avoid further disturbance of the materials in the lot. As a precaution, air monitoring was performed at the CDC and the official results have shown that there is no asbestos detected within the air in or around the facility. Additionally, the lot will be sprayed with a soil stabilizer to help reduce migration of the soil from the area. In response to this occurrence other areas where base housing was demolished have been added to the IR program, which is a national program managed by NAVFAC to address contaminants that have been potentially released into various environmental elements such as soil and groundwater. NAWS China Lake personnel remain committed to maintaining a safe environment for those who live and work aboard the Installation.

### Who do I contact for more information?

The established and ongoing NAWS China Lake IR program addresses past releases of hazardous substances on the Installation. The local community can be involved in this process by attending public Restoration Advisory Board (RAB) meetings that will be announced in the local papers and on the NAWS China Lake website: https://www.cnic.navy.mil/regions/cnrsw/installations/naws\_china\_lake.html.

For questions or concerns contact the NAWS Occupational Health Nurse Practitioner at 760-939-8000 or the NAWS Public Affairs Officer at 760-939-1683.

# APPENDIX A



APTIM 1230 Columbia Street, Suite 1200 San Diego, CA 92101 Tel: +1 619 239 1690 Fax: +1 619 239 1238 richard.wong@aptim.com

July 27, 2018

Naval Facilities Engineering Command Southwest 1220 Pacific Highway San Diego, California 92132-5190

Subject: TRIP REPORT: ASBESTOS SAMPLING AND TESTING, BUILDING 02688 (CHILD

DEVELOPMENT CENTER), NAVAL AIR WEAPONS STATION CHINA LAKE, CA (N62473-17-D-

0013 N62473-18-F-4819)

This report describes the activities performed in support of ambient air monitoring by APTIM at the Child Development Center (CDC) at NAWS China Lake, California on July 19, 2018. The ambient air samples were collected in order to provide baseline levels of airborne asbestos prior to the start of a project to encapsulate a field to the south of the CDC. The soil in the field south of the CDC is known to contain building materials with asbestos; results of bulk samples of soil indicate the presence of <1% chrysotile asbestos.

A total of 14 air samples were collected throughout the interior and exterior of the CDC. Seven were collected from inside classrooms and work rooms, three were collected from the courtyard playgrounds, and four were collected from the outside perimeter. See attached Sample Location Map.

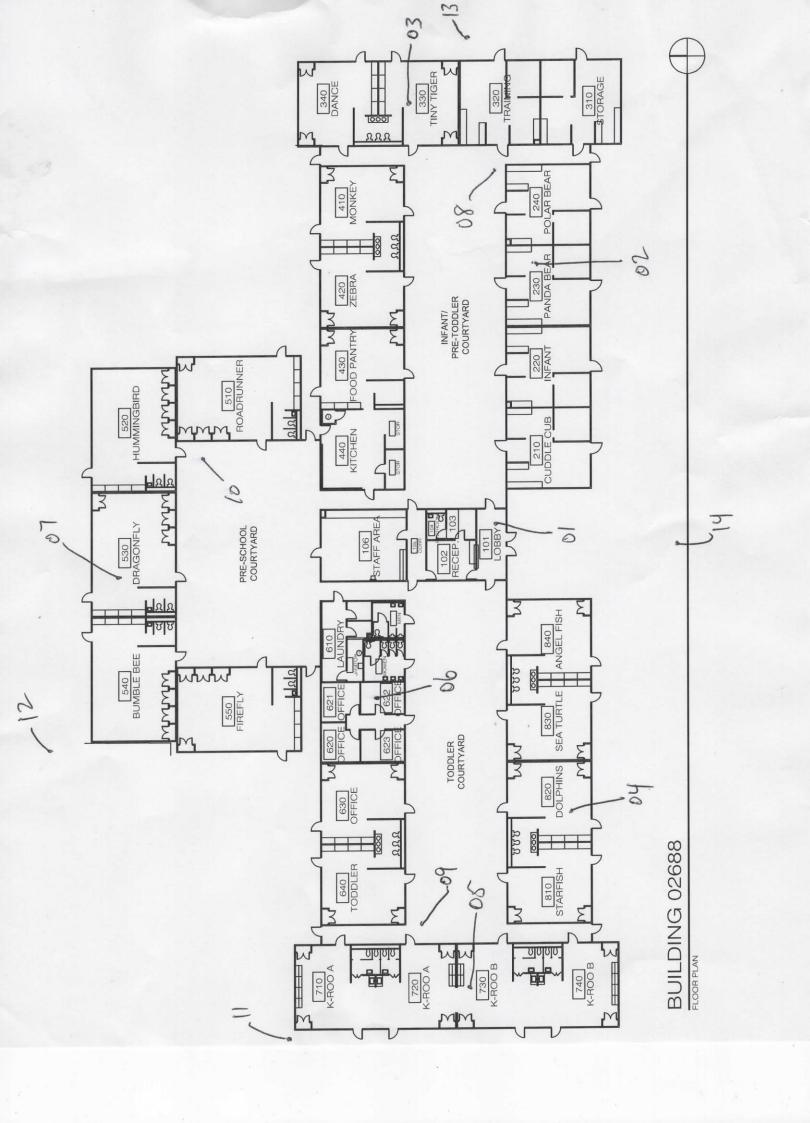
The air samples were collected onto 0.45 micron mixed cellulose ester (MCE) filters housed in 25 mm plastic cowled cassettes.

At the beginning of the sampling period on July 19, 2018 all air sampling was performed with Low-Volume personal air sampling pumps. However, throughout the day, every pump had failed because of the heavy demand required to pull air through filters with 0.45 micron pores. High-Volume area air sampling pumps were exchanged and the ambient air sampling was completed.

Two air samples (01 and 14), Lobby and South Exterior, were collected with the Low-Volume personal pumps and the total volume was calculated based on the last time the pumps were observed operating. The other twelve air samples were collected with the High-Volume area air sample pumps.

All air samples were submitted to Forensic Analytical Laboratories, Inc. of Hayward, California for asbestos analysis by transmission electron microscopy (TEM) by the AHERA method, which includes counting all asbestos structures greater than 0.5 microns in length with an aspect ratio of greater than 3:1. See attached Analytical Report.

Results of twelve of the air samples indicated "**No Asbestos Detected**". However, two of the air samples (08 and 10), East and North Playground Courtyards, were found to be overloaded and not analyzed. These two air samples were the only two to be located near misters during the sampling period.





## ANALYTICAL REPORT

# Transmission Electron Microscopy AHERA Airborne Asbestos Analysis Summary

Method: 40 CFR Part 763

APTIM Client Number: L1852

Dwayne Ishida / Seyed Miri Report Number: T030246

420 Exchange Road Suite 150

Irvine, CA 92602

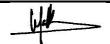
Date Received: 7/21/18

Analyst(s): MAB/MF/MZ

Job ID/PO: 500996.00440100

Site: CDC NAWS China Lake

Samp		Date	Air Volume, liters s/o	Analytical Sensitivity,	Asbe Concen		Asbestos type(s)* detected
Numb	er Number	Collected	111615 5/0	<i>.</i>	s/cc	s/mm2	detected
0719-01	20120278	7/20/18	1392.0	0.0046	<0.0046	<16.7	ND
0719-02	20120279	7/20/18	1219.2	0.0044	<0.0044	<13.9	ND
0719-03	20120280	7/20/18	1257.6	0.0043	<0.0043	<13.9	ND
0719-04	20120281	7/20/18	1267.2	0.0042	<0.0042	<13.9	ND
0719-05	20120282	7/20/18	1449.6	0.0044	<0.0044	<16.7	ND
0719-06	20120283	7/20/18	1267.2	0.0042	<0.0042	<13.9	ND
0719-07	20120284	7/20/18	1209.6	0.0044	<0.0044	<13.9	ND
0719-08	20120285 This samp		1528.8 pared but	not analyze	d due to ov	erloading.	OV
0719-09	20120286	7/20/18	1680.0	0.0048	<0.0048	<20.8	ND
0719-10	20120287 This samp		1519.7 pared but	not analyze	d due to ov	erloading.	OV
0719-11	20120288	7/20/18	1567.8	0.0041	<0.0041	<16.7	ND
0719-12	20120289	7/20/18	1544.4	0.0042	<0.0042	<16.7	ND
0719-13	20120290	7/20/18	1552.2	0.0041	<0.0041	<16.7	ND
0719-14	20120291	7/20/18	1212.4	0.0044	<0.0044	<13.9	ND



Mark Floyd, Analytical Microscopy Supervisor

Analytical results and reports are generated by Forensic Analytical at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by Forensic Analytical to any thrid party without prior written request from client. This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full with approval from Forensic Analytical. The client is solely responsible for the use and interpretation of test results and reports requested from Forensic Analytical. This report must not be used by the client to claim product endorsement by NVLAP or any U.S. government agency. Forensic Analytical is unable to assess the degree of hazard resulting from materials analyzed. Forensic Analytical reserves the right to dispose of al samples after a period of 30 days, according to all state and federal guidelines, unless otherwise specified.

<sup>\*</sup> Asbestos types: CH=chrysotile; AM=amosite; CR=crocidolite; TR=tremolite; AC=actinolite; AN=anthophyllite; ND=none detected; NA-Not Analyzed; n/a=not applicable (i.e., divide by 0); OV=overloaded; BL=blank sample; PF=prepped not analyzed.



# ANALYTICAL REPORT

# Transmission Electron Microscopy AHERA Airborne Asbestos Analysis Summary

Method: 40 CFR Part 763

Client: APTIM Client Number: L1852
Job ID: 500996 Report Number: T030246

Site: CDC NAWS China Lake

Air Analytical Asbestos Asbestos Volume. Sensitivity, Concentration, type(s)\* Date Sample Lab detected liters s/cc Number Collected Number s/cc s/mm2 20120292 7/20/18 0719-15 BL,NA This sample was prepared but not analyze !. 0719-16 20120293 7/20/18 BL,NA This sample was prepared but not analyze !. 0719-17 20120294 7/20/18 BL,NA This sample was prepared but not analyze !.

<sup>\*</sup> Asbestos types: CH=chrysotile; AM=amosite; CR=crocidolite; TR=tremolite; AC=actinolite; AN=anthophyllite; ND=none detected; NA-Not Analyzed; n/a=not applicable (i.e., divide by 0); OV=overloaded; BL=blank sample; PF=prepped not analyzed.

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Company Name: CB&r  Address: 18100 Von Karman Ave, Suite 450  Project Number: Sb996 06 49100  City / State / Zip: Invine, CA 92812  Manager: None/Fax Number: Send Report To: 1004 YNE (5H104)  Send Report To: 1004 YNE (5H104)  Lab Destination: Fox ENSIG ANALYTICA 4 hours shours for time and trix.  Address: 18100 Von Karman Ave, Suite 450  City: Invine, CA 92812  Project Contact: WILLAM ESPACE (916) Y3Y - 5999  Matrix Time Stap  Average Flow Rate  CENTER LANG  Sample Identification  Tun Around Time  Tun Around Time  Tun Around Time  Tun Around Time  Adverse: 50496 06 Y49100  Project Number: 50496 06 Y49100  Project Number	APTIME Company Name: OBBE  Address: 18100 Von Kaman Ave, Suite 450  City / State / Zip: Intine, CA 92612  Manager: None/Fax Number: Send Report To: DUAYNE (SHID)  Send Report To: DUAYNE (SHID)  Send Report To: SECONSITE AND LAKE  Project Location: MANS CHINA LAKE  Project Location: MANS CHINA LAKE  Project Number: SECONSITE AND LAKE  Project Number: SECONSITE AND LAKE  Project Contact: DANINE SHID)  Lab Contact: DANINE SIU AND LAKE  Project Contact: DANINE SIU AND LAKE  Address: 18100 Von Karman Ave, Suite 450  City: Invine, CA 92612  Project Contact: DINAM ESPARCA  (916) 434-5999  Maturix  Time Start  Time Start  A Verage Flow Rate  Project Number: Social Silver Number: Social Start  Time Start  Time Start  A Verage Flow Rate  Project Number: Social Silver Number: Social Silver Number: Social Start  A SCONSIL SILVER NUMBER  A SCONSIL	×								D					BNIA	>	1
Company Name: OB&T  Address: 18100 Von Kaman Ave, Suite 450  City I State I Zip: Invine, CA 92612  Manager: Manager: Project Name: CBC  Project Name:	APTIME Company Name: 686t  Address: 18100 Von Karman Ave, Suite 450  City I State I Zip: Invine, CA 92672  Manager:  Manager: Manager: 18100 Von Karman Ave, Suite 450  Project Location: NAWS CANA LAKE  Project Location: For ENSIGNAL LAKE  Project Number: Sold HIDI  Lab Destination: For ENSIGNAL LAKE  DANIULE SIU  Lab Phone #:  Lab Phone #:  Lab Phone #:  Address: 18100 Von Karman Ave, Suite 450  City: Invine, CA 92612  Project Contact: DANIULE SIU  Lab Phone #:  Address: 18100 Von Karman Ave, Suite 450  City: Invine, CA 92612  Project Contact: DANIULE SIU  A hours  Sample Identification  A Hours  A hours  Sample Identification  A Hours  A Hour	X								A	-			Just	NIEK 6	E	719-06
Company Name: OB&!  Address: 18100 Von Karman Ave, Suite 450  Project Number: \$00916, 069490 too  City / State / Zip: Invine, CA 92612  Manager:  None/Fax Number: Send Report To: DUAYNE (SHID)  Send Report To: DUAYNE (SHID)  Address: 18100 Von Karman Ave, Suite 450  City: Invine, CA 92612  Project Contact: DIANUE Start  Time Stop  Project Contact: DIANUE Start  Sample Identification  Turn Around Time Requesting Testing  Project Number: \$00916, 069490 too  Project Location: NAWS CHINA LAKE  Project Number: \$000 Von Karman Ave, Suite 450  City: Invine, CA 92612  Project Contact: DIANUE STARTA  Address: 18100 Von Karman Ave, Suite 450  City: Invine, CA 92612  Project Contact: DIANUE STARTA  Average Flow Rate  PLM Method 6010C by ICP  NIOSH Method 6010C	Company Name: CBE!  Address: 18100 Von Karman Ave, Suite 450 City / State / Zip: Invine, CA 92612  Manager:  Manager: Send Report To: DUAYINE (SHID) Send Report To: OCity: Invine, CA 92612  Project Contact: DIAYINE (SHID) Address: 18100 Von Karman Ave, Suite 450 City: Invine, CA 92612  Project Contact: DIAYINE (SHID)  Project Contact: DIAYINE (SHID)  Address: 18100 Von Karman Ave, Suite 450 City: Invine, CA 92612  Project Contact: DIAYINE (SHID)  Address: 18100 Von Karman Ave, Suite 450 City: Invine, CA 92612  SE DIAY  Sample Identification  Average Flow  Froject Number: 5009 16, 06440100  Project Contact: DANIUK 51U ANALYTICA 4 hours and the project Number is stop of time and the project Number is stop of the project Number is sto	×			1					A					MNG	3	9-1
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Company Name: GB&t  Address: 18100 Von Karman Ave, Suite 450  City I State I Zip: Invine, CA 92672  City I State I Zip: Invine, CA 92672  Manager: Manager: Sold Hold Sold Sold Sold Sold Sold Sold Sold S	APTIME: CB&t  Company Name: CB&t  Address: 18100 Von Karman Ave, Suite 450  City I State I Zip: Invine, CA 92612  Manager:  Namager: Namber: Send Report To: DWAYNE (SHIPA)  TonelFax Number: Send Report To: DWAYNE (SHIPA)  TonelFax Number: Send Report To:	X								1					wing	m	1
Company Name: CB&t  Company Name: CB&t  Address: 18100 Von Karman Ave, Suite 450  Project Number: Soog 16. 06 440100  Project Number: Soog	APTIME  Company Name: OBE!  Address: 18100 Von Karman Ave, Suite 450  City I State I Zip: Invine, CA 92612  Manager:  Manager: Manager: Did4yNE (SH10A)  Send Report To: Staty 786 - 2341  Address: 18100 Von Karman Ave, Suite 450  City: Invine, CA 92612  Project Contact: Divine, CA 92612  Project Contact: Divine, CA 92612  Project Contact: Divine, CA 92612  Sample Identification  CRIV: Invine, CA 92612  Sample Identification  CRIV: Invine, CA 92612  Sample Identification  Turn Around Time  Turn Around Time  Turn Around Time  Turn Around Time  Address: Stay 4 hours pecification  Turn Around Time  Turn Around Time  Address: Stay 500 Color #:  Lab Contact: DAVIVE SIC ANALYTICA 4 hours pecification  X and Time Stay 70 Color #:  Adverage Project Contact: DAVIVE SIC ANALYTICA 4 hours pecification  X and Time Stay 70 Color #:  Adverage Project Contact: DAVIVE SIC ANALYTICA 4 hours pecification  X and Time Stay 70 Color #:  Adverage Project Contact: DAVIVE SIC ANALYTICA 4 hours pecification  X and Time Stay 70 Color #:  Adverage Project Contact: DAVIVE SIC ANALYTICA 4 hours pecification  X and Time Stay 70 Color #:  Adverage Project Contact: DAVIVE SIC ANALYTICA 4 hours pecification  X and Time Stay 70 Color #:  Adverage Project Contact: DAVIVE SIC ANALYTICA 4 hours pecification  X and Time Stay 70 Color #:  Adverage Project Contact: DAVIVE SIC ANALYTICA 4 hours pecification  X and Turn Around Time 10 Color #:  Adverage Project Contact: DAVIVE SIC ANALYTICA 4 hours pecification  X and Turn Around Time 10 Color #:  Adverage Project Contact: DAVIVE SIC ANALYTICA 4 hours pecification  X and Turn Around Time 10 Color #:  Adverage Project Contact: DAVIVE SIC ANALYTICA 4 hours pecification  X and Turn Around Time 10 Color #:  Adverage Project Contact: DAVIVE SIC ANALYTICA 4 hours pecification  X and Turn Around Time 10 Color #:  Adverage Project Contact: DAVIVE SIC ANALYTICA 4 hours pecification  X and Turn Around Time 10 Color #:  Adverage Project Contact: DAVIVE SIC ANALYTICA 4 hours pecification  X and Turn Around Time 10 C	7							-	A				-	WING		1
ame: CB&t  ame: CB&t  ress: 18100 Von Karman Ave, Suite 450  Project Number: Sob9 16. 06440100  Project Name: CDC  Project Name: CDCC  Project	Turn Around Time  Project Number: \$50996. 06990 000 000 000 000 000 000 000 000 0	X								A					334	8	1
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Project Number: \$50916. 06440100  18100 Von Karman Ave, Suite 450  Project Location: NAWS CHINA LAKE  Project Location: NAWS CHINA LAKE  Purchase Order #:  Lab Destination: FARMS AMALATICAL 4 hours  Start  18100 Von Karman Ave, Suite 450  Irvine, CA 92612  Turn Around Time  Turn Around Time  Turn Around Time  Turn Around Time  AND CHINA LAKE  Project Name: OH NAWS CHINA LAKE  Purchase Order #:  Lab Destination: FARMS AMALATICAL 4 hours  Start Stop  Turn Around Time  Turn Around Time  Turn Around Time  Turn Around Time	CHAIN OF COOL Turn Around Time  Project Number: \$50996. 06940100  Invine, CA 92612  Project Location: NAWS (MINA LAKE shours shours)  Purchase Order #:  Lab Destination: Forense: DANING 510  Lab Contact: DANING 510  Italian Start  Stop ge Rate  Invine, CA 92612			low		Time		Time		Mai	0	U	(916)	ARZO	0	6	Project Contac
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	Page 1	ting Progr	questing Tes	Re	nd Time	n Arour	Tur									- 万	1 Comment

# **Air Monitoring Entry Form**

Client: US N	Client: US Navy, NAVFAC						Date: 7	7/19/18				
Site Address:	: Bldg. 02688,	Site Address: Bldg. 02688, Nimitz Ave, NAWS China Lake, CA	ke, CA				Project	Project Number: :	500996.00440100	140100		
Work Area:	Child Develop	Work Area: Child Development Center (CDC)					Inspect	Inspector: William Esparza	Esparza			
Sample Id. Number	Type of Sample	Sample Location	Time Start	Time End	Flow Rate (1)	Flow Rate (2)	Mean Flow Rate	Time Sampled (min.)	Volume (Liter)	Fibers Per Field	Detect. Limit (f/cc)	Fiber Con. (f/cc)
0719-01	Inside Ambient Air	Front Lobby	0546	1330	3.0	3.0	3.0	464	1392.0			
0719-02	Inside Ambient Air	SE Wing, Pandas	1653	1900	9.6	9.6	9.6	127	1219.2			
0719-03	Inside Ambient Air	East Wing, Tigers	1657	1908	9.6	9.6	9.6	131	1257.6			
0719-04	Inside Ambient Air	SW Wing, Sea Turtles	1636	1848	9.6	9.6	9.6	132	1267.2		,	
0719-05	Inside Ambient Air	West Wing, K-Rooz	0853	1124	9.6	9.6	9.6	151	1449.6			
0719-06	Inside Ambient Air	Center Wing, Admin Office	1640	1852	9.6	9.6	9.6	132	1267.2			
0719-07	Inside Ambient Air	North Wing, Dragonflies	1438	1644	9.6	9.6	9.6	126	1209.6			
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									2 3 4 5 RE	2 1 2018	5787	

# **Air Monitoring Entry Form**

Client: US N	Client: US Navy, NAVFAC						Date: 7/19/18	/19/18				
Site Address	: Bldg. 02688, 1	Site Address: Bldg. 02688, Nimitz Ave, NAWS China Lake, CA	ke, CA				Project	Project Number: :	500996.00440100	40100		п
Work Area:	Child Developr	Work Area: Child Development Center (CDC)					Inspect	Inspector: William Esparza	Esparza			
Sample Id. Number	Type of Sample	Sample Location	Time Start	Time End	Flow Rate (1)	Flow Rate (2)	Mean Flow Rate	Time Sampled (min.)	Volume (Liter)	Fibers Per Field	Detect. Limit (f/cc)	Fiber Con. (f/cc)
0719-08	Outside Ambient Air	East Courtyard Playground	0917	1205	9.6	8.6	9.1	168	1528.8			
0719-09	Outside Ambient Air	West Courtyard Playground	1150	1445	9.6	9.6	9.6	175	1680.0			
0719-10	Outside Ambient Air	North Courtyard Playground	0911	1158	9.6	8.6	9.1	167	1519.7			
0719-11	Outside Ambient Air	Exterior, West	0820	1502	3.9	3.9	3.9	402	1567.8			
0719-12	Outside Ambient Air	Exterior, North	0832	1508	3.9	3.9	3.9	396	1544.4			
0719-13	Outside Ambient Air	Exterior, East	0843	1521	3.9	3.9	3.9	398	1552.2			
0719-14	Outside Ambient Air	Exterior, South	0647	1400	2.8	2.8	2.8	433	1212.4			
				1853	10 11 12 AM	10						
				2345	JUL 21	2018						

# **Air Monitoring Entry Form**

					0719-17 Sealed Blank	0719-16 Exterior Field Blank	0719-15 Interior Field Blank	Sample Id.Type of SampleSample LocationTime StartTime EndFlow RateFlow RateNumberSample	Work Area: Child Development Center (CDC)	Site Address: Bldg. 02688, Nimitz Ave, NAWS China Lake, CA	Client: US Navy, NAVFAC
Sh M 8 9 10 11 12 014 12 014 12 014	2 3 4 1 2018 27 2018 27 2018 27 2018 27 2018 27 2018 27 2018	RECEIVED						vMeanTimeVolumeFibersDetect.FibereFlowSampled(Liter)PerLimitCon.Rate(min.)Field(f/cc)(f/cc)	Inspector: William Esparza	Project Number: 500996.00440100	Date: 7/19/18