

MILITARY DEPARTMENT  
OFFICE OF THE ADJUTANT GENERAL  
9800 Goethe Road – P.O. Box 269101  
Sacramento, California 95826-9101

**RECEIVED**

By Alameda County Environmental Health at 2:14 pm, May 30, 2014



NGCA-ARH-FE

27 May 2014

Subject: Supplemental Surface Soil Investigation, Work Plan Addendum

Mr. Mark Detterman, PG, CEG  
Alameda County Environmental Health  
1131 Harbor Bay Parkway  
Alameda, California 94502-6577

Dear Mr. Detterman:

Please find the enclosed Work Plan Addendum proposing the performance of supplemental surface soil investigation at the former San Lorenzo Armory site located at 16501 Ashland Avenue, San Lorenzo, California.

A certified Environmental Testing and Consulting firm will meet with representatives from Headquarters California Military Department (CMD), and the San Lorenzo Unified School District (SLUSD) to witness shallow soil sampling at the site. The work plan was prepared in conjunction with our Environmental Directorate.

Results obtained from the analysis of the soil samples will be reviewed, and certified in a final investigation report by Mr. Krzysztof Markowski of our Environmental Directorate. All reports and correspondences will be uploaded to the ACEH FTP site as well as the State Water Resources Control Board's (SWRCB) Geotracker website.

If you have any questions or concerns regarding this document submittal please contact the undersigned at (916) 854-3115 or Mr. Krzysztof Markowski at (916) 369-4327.

A handwritten signature in blue ink that reads "Fred A. Delucchi".

Fred A. Delucchi  
Facilities Operations Specialist  
Facilities and Engineering Directorate

Enclosures:

Soil Investigation Work Plan Addendum (Case #RO0003099)  
Figure 2 – Site Map and Boring/Sampling locations



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27 May 2014

Mr. Mark Detterman, PG, CEG  
Alameda County Environmental Health  
1131 Harbor Bay Parkway  
Alameda, California 94502-6577

**SUBJECT: Supplemental Surface Soil Investigation, Work Plan Addendum for Former San Lorenzo Armory, 16501 Ashland Avenue, San Lorenzo, California**

### 1. Introduction

This letter was prepared in response to your request for additional asbestos soil sampling at the subject former Armory site. This is a follow-up soil investigation that will be performed in order to satisfy Alameda County Environmental Health Department (ACEHD) request that the soil samples be analyzed using EPA Method TEM CARB 435 rather than EPA Method PLM CARB 435 which was used in the previous investigation. The TEM CARB 435 method possesses greater detection sensitivity of 0.0001% of asbestos fibers by weight.

### 2. Background

The subject armory and associated buildings were demolished in July 2012. Following demolition the physical control of the site reverted back to San Lorenzo Unified School District (SLUSD). An Environmental Condition of Property (ECOP) report was prepared by Applied Water Resources Corporation in September 2012. As part of the ECOP ten shallow soil samples were collected and analyzed for lead and asbestos. None of the soils samples contained lead at concentrations exceeding the criteria established by the California Department of Toxic Substances Control (DTSC) for schools. The analytical method PLM CARB 435 did not detect asbestos fibers. However, TEM CARB 435 did detect chrysotile and actinolite fibers at 0.0003% above the DTSC's screening guidance for schools in one sample collected from Boring 1 (B1) location as depicted on attached Figure 2.

On 29 January 2014, California Army National Guard (CA ARNG) staff along with personnel from National Analytical Laboratories (NAL) and representative from San Lorenzo Unified School District (SLUSD) conducted shallow soil sampling at the subject site. The sampling was conducted by Mr. Anthony De Arcos from NAL and witnessed by Mr. Fred Delucchi and Mr. Krzysztof Markowski from CA ARNG. Ms. Prachi Amin who is the Construction Manager for SLUSD provided site access. This sampling was conducted to determine if shallow soil in the footprint of the former armory building contains elevated levels of asbestos fibers. The soil samples were analyzed in February 2014 and were determined to contain non-detectable levels of asbestos fibers. However, inadvertently the soil samples were tested using EPA 600/R-93/116 Method with CARB 435 Prep, Level A for 0.25% Target Analytical Sensitivity rather than Method TEM CARB 435 which has 0.0001% Target Analytical Sensitivity. Due to this analytical error ACEHD has requested in a letter dated 15 May 2014 that CA ARNG retest the soil using the higher analytical sensitivity method.

### 3. Scope

To address ACEHD request for additional soil testing for asbestos fibers the CA ARNG proposes to use similar procedures as performed during our January 2014 site visit. Namely, to collect one sample in the approximate location of B1 and four other samples, one in each main geographic direction 6 feet away from the center sample and 6 inches below ground surface (bgs). Soil samples will be collected using a steel trowel and placed in a plastic zip-lock bag, individually

labeled, and transported to a California State-certified laboratory under a chain-of-custody documentation. We once again, intend to utilize the services of NAL to collect the five (5) shallow soil samples and we plan to invite SLUSD to witness the collection process.

#### 4. Recommendations

CA ARNG recommends that Alameda County Environmental Health Department approve the Workplan as written so that the subject case can get resolved as soon as possible.

#### 5. Certification

The Point of Contact for the subject Workplan Addendum is the undersigned at (916) 369-4327.

“ I certify under penalty of perjury, I have personally examined and am familiar with the information submitted in this document and all attachments and, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the information is true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of a fine and imprisonment.”



*K. Markowski*

Krzysztof Markowski, P.G. 8281  
Engineering Geologist  
California Military Department

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SUBJECT: Supplemental Surface Soil Investigation, Work Plan Addendum, Former San Lorenzo Armory, 16501 Ashland Avenue, San Lorenzo, California



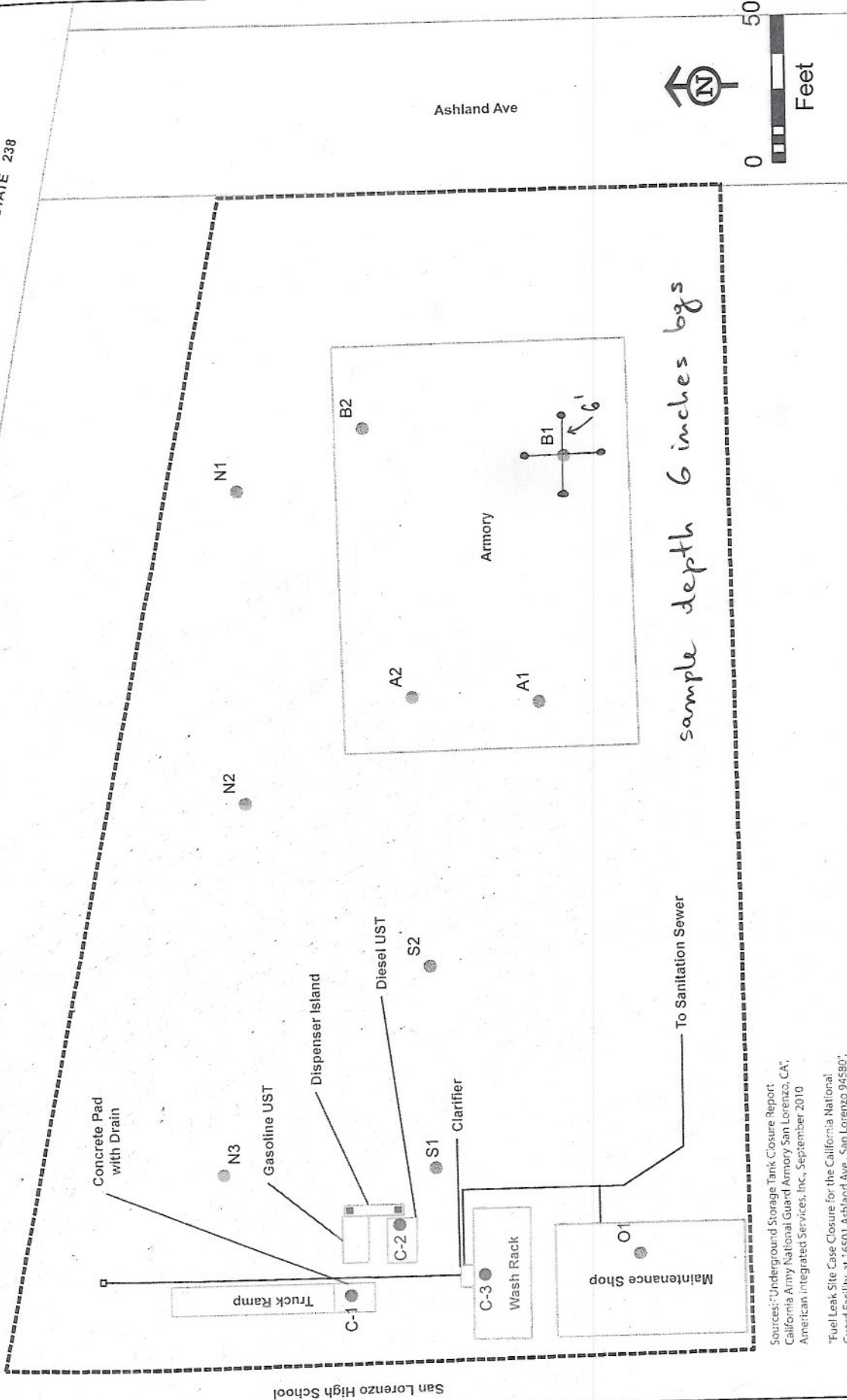


Figure - 2

# Site Map and Boring Locations

San Lorenzo Armory  
16501 Ashland Avenue San Lorenzo, CA

- Asbestos and Lead Sample
- Boring
- Existing Pipeline
- Dispenser
- Former Building Location
- Storm Drain
- Property Boundary



Sources: "Underground Storage Tank Closure Report California Army National Guard Armory San Lorenzo, CA", American Integrated Services, Inc., September 2010  
 "Fuel Leak Site Case Closure for the California National Guard Facility at 16501 Ashland Ave., San Lorenzo 94580", Geomatrix, October 3rd, 1997