

## Detterman, Mark, Env. Health

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**From:** Markowski, Krzysztof M NFG (US) [krzysztof.m.markowski.nfg@mail.mil]  
**Sent:** Thursday, February 28, 2013 10:09 AM  
**To:** Delucchi, Fred A CIV NG CAARNG (US); Detterman, Mark, Env. Health  
**Cc:** Musillani, James A NFG NG CAARNG (US)  
**Subject:** RE: San Lorenzo National Guard Armory site - request for due date extension (UNCLASSIFIED)

Classification: UNCLASSIFIED  
Caveats: NONE

Fred,  
Thanks for clarifying the construction details.  
Chris

-----Original Message-----

**From:** Delucchi, Fred A CIV NG CAARNG (US)  
**Sent:** Thursday, February 28, 2013 9:42 AM  
**To:** Markowski, Krzysztof M NFG (US); Detterman, Mark, Env. Health  
**Cc:** Musillani, James A NFG NG CAARNG (US)  
**Subject:** RE: San Lorenzo National Guard Armory site - request for due date extension (UNCLASSIFIED)

Classification: UNCLASSIFIED  
Caveats: NONE

All:

The only comment I have is correction about the building structural items.

For the San Lorenzo Armory structural plan details show the following:

The assembly floor was a 6" thick reinforced concrete floor.

Administrative and other work areas surrounding the assembly floor area had a 4" thick reinforced concrete floor.

Armory perimeter foundation structural sections would be at a minimum of 2'-6" depth.

Excavations of the site would have been limited to depths of these structural areas to estimate an approximate volume of fill material.

Fred Delucchi  
916-854-3115

-----Original Message-----

**From:** Markowski, Krzysztof M NFG (US)  
**Sent:** Thursday, February 28, 2013 8:02 AM  
**To:** Detterman, Mark, Env. Health  
**Cc:** Musillani, James A NFG NG CAARNG (US); Delucchi, Fred A CIV NG CAARNG (US)  
**Subject:** RE: San Lorenzo National Guard Armory site - request for due date extension (UNCLASSIFIED)

Classification: UNCLASSIFIED  
Caveats: NONE

Mark,  
Thanks for good advice. Because of the amount of construction, building demolition and soil disturbance that took place on site it is likely that the surface soil that we are sampling is not native, and was brought to the site from somewhere else. It is my

understating that the floor of the armory was made of 3-foot thick concrete. When this concrete was broken up and recycled the resulting depression had to be filled in with borrowed soils or gravel. It is possible that the construction fill or gravel was obtained close to ultramafic rock formations. It is also my understanding that asbestos abatement at the armory took place a number of years ago and at the time of demolition there was no asbestos containing materials present in the buildings.

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-----Original Message-----

From: Detterman, Mark, Env. Health [mailto:Mark.Detterman@acgov.org]  
Sent: Wednesday, February 27, 2013 1:57 PM  
To: Markowski, Krzysztof M NFG (US)  
Cc: Musillani, James A NFG NG CAARNG (US); Delucchi, Fred A CIV NG CAARNG (US)  
Subject: RE: San Lorenzo National Guard Armory site - request for due date extension (UNCLASSIFIED)

Chris,

See the attached PDF of correspondence regarding your question. I also think your suggestion would provide a better representation of the potential for asbestos contamination. You may want to include a contingency section should asbestos be detected in the first sampling round; that way it's already approved (or modified) rather than getting hung up again on the question. The approach is up to you / your consultant.

In regards to NOA, I know there is an outcropping much closer than 10 miles, so there is a potential for some (pretty limited in my estimate) alluvial debris at the site, but in my judgment, a much higher probability related to likely use of asbestos tiles (or gravel fill?) at the site (due to the era of the building).

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PDF copies of case files can be downloaded at:

<http://www.acgov.org/aceh/lop/ust.htm>

-----Original Message-----

From: Markowski, Krzysztof M NFG (US) [mailto:krzysztof.m.markowski.nfg@mail.mil]  
Sent: Wednesday, February 27, 2013 1:30 PM  
To: Detterman, Mark, Env. Health  
Cc: Musillani, James A NFG NG CAARNG (US); Delucchi, Fred A CIV NG CAARNG (US)  
Subject: RE: San Lorenzo National Guard Armory site - request for due date extension (UNCLASSIFIED)

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Mark,

Below is an excerpt from the September 2009 Phase II report that was prepared by Kleinfelder for the School District. This Section deals with naturally-occurring asbestos in the general vicinity of the site. I don't think that there is significant possibility that activities related to operating a vehicle maintenance shop and an armory could result in increased levels of asbestos fibers in the soil. However, we are still committed to obtaining additional samples and evaluating the lab data in a report.

For the purposes of preparing a workplan, how many additional soil samples do you suggest we take and at what depth? I assume that you would like to see samples taken near the location where we detected elevated levels (in one sample) during ECOP investigation. How far away from that location would you like us to collect additional samples? I would suggest taking 4 samples (at 6 inches bgs) in a cross-like pattern. One in each geographic direction about 6 feet from the "hot spot". Would that be acceptable to you? Thanks.

**8.2. NATURALLY-OCCURRING ASBESTOS ROCK FORMATIONS** Kleinfelder reviewed geologic and topographic maps of the area to assess the potential for the site to contain naturally-occurring asbestos (NOA). NOA is most commonly found in and immediately adjacent to ultramafic rock formations. NOA may also be found in other geologic settings, such as fault shear zones, metamorphic contacts, mélanges, and alluvial deposits derived from ultramafic rocks (DTSC, 2004).

The closest mapped outcrops of ultramafic rock to the Site occur in Hayward, at a distance of less than 10 miles southwest of the Site (Jenkins, 1961). Based on the geologic setting and the distance from the Site to the closest mapped ultramafic rock, NOA deposits may be present on the site.

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-----Original Message-----

From: Detterman, Mark, Env. Health [mailto:Mark.Detterman@acgov.org]  
Sent: Tuesday, February 26, 2013 12:53 PM  
To: Markowski, Krzysztof M NFG (US)  
Cc: Musillani, James A NFG NG CAARNG (US); Delucchi, Fred A CIV NG CAARNG (US)  
Subject: RE: San Lorenzo National Guard Armory site - request for due date extension (UNCLASSIFIED)

Chris,

Thanks for the clarification. FYI - I timed the 90 day extension from the original due date of February 8th, so that only provides a bit more than 2 months from now. That can be changed with good reasons; just keep me posted.  
Regards,

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<http://www.acgov.org/aceh/lop/ust.htm>

-----Original Message-----

From: Markowski, Krzysztof M NFG (US) [mailto:krzysztof.m.markowski.nfg@mail.mil]

Sent: Monday, February 25, 2013 1:42 PM  
To: Detterman, Mark, Env. Health  
Cc: Musillani, James A NFG NG CAARNG (US); Delucchi, Fred A CIV NG CAARNG (US)  
Subject: RE: San Lorenzo National Guard Armory site - request for due date extension (UNCLASSIFIED)

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Mark,

Thank you for granting us this extension. After talking with my supervisors, it is my understanding that your requirements regarding the workplan and findings report will be met. To save time and money I may be tasked to do this work in house. If that happens, I will propose the sampling locations for your approval in the workplan. I will also document and explain the discrepancy between the AIS report and one of their figures. Once we obtain your approval, I plan to collect soil samples and deliver them to a lab. You will be notified 48 hours prior to sampling so that you can come out and witness the field work in person should you choose to do so. Once your requirements are met, and assuming that no significant asbestos contamination is discovered, we would like to receive a determination of No Further Action (NFA) from you as soon as possible. The School District is eager to start construction of a new arts center and we don't want to be responsible for unnecessarily holding up their progress. I really appreciate your quick response and all your help.

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-----Original Message-----

From: Detterman, Mark, Env. Health [mailto:Mark.Detterman@acgov.org]  
Sent: Monday, February 25, 2013 1:20 PM  
To: Markowski, Krzysztof M NFG (US)  
Cc: Musillani, James A NFG NG CAARNG (US); Delucchi, Fred A CIV NG CAARNG (US)  
Subject: RE: San Lorenzo National Guard Armory site - request for due date extension (UNCLASSIFIED)

Chris,

Please use this email to document ACEH agreement with the requested extension. To clarify, I presume this is for submittal of a work plan as requested, rather than the submittal of analytical results. I'll update Geotracker to reflect the revised date. Please recall our phone conversation requesting written clarification on the revised Figure 2 that was submitted. That can be included in the (presumed) work plan.

Thanks,

Mark Detterman

Senior Hazardous Materials Specialist, PG, CEG

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From: Markowski, Krzysztof M NFG (US) [mailto:krzysztof.m.markowski.nfg@mail.mil]  
Sent: Monday, February 25, 2013 1:13 PM  
To: Detterman, Mark, Env. Health  
Cc: Musillani, James A NFG NG CAARNG (US); Delucchi, Fred A CIV NG CAARNG (US)  
Subject: San Lorenzo National Guard Armory site - request for due date extension (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Mark,

California Army National Guard would like to request a 90-day extension for submittal of additional asbestos soil sampling data at the subject site. Your email request for additional soil sampling was not part of the original letter therefore we were unprepared to deal with this new requirement. It will take time for our agency to develop a contract, obtain the necessary funds and award it. We greatly appreciate your help and your patience. Thank you.

Chris Markowski, P.G.

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