

Memorandum

To: Orange County Health Care Agency, Solid Waste
Local Enforcement Agency (LEA)
Environmental Health Division
1241 West Dyer Road, Suite #120
Santa Ana, CA 92705

Date: August 14, 2024

Attention: Dan Weerasekera
Hazardous Materials Specialist III

Project No. CLA.000IR23328

From: Michael Priestaf, PG (CA 9779)
Robin Ferber, PG (CA 5756)

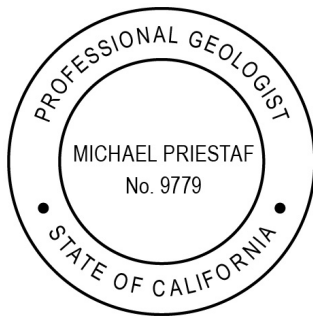
Subject: **Revision to Stockpile I Sidewall Sampling Methodology
Addendum #4 to Final Revised Environmental Sampling
Workplan For Stockpiled Material Testing
6145 East Santiago Canyon Road
City of Orange, Orange County, California**

REVISED STOCKPILE I ANGLED BORING SAMPLING METHODOLOGY

As discussed on August 12 and 13, 2024 with the Orange County Health Care Agency (OCHCA), Solid Waste Local Enforcement Agency (LEA), Leighton and Associates, Inc. (Leighton) has recommended that samples be collected directly from sonic drill cuttings recovered from angled borings advanced at Stockpile I. This recommendation is based on observations by Leighton field staff and Leighton's drilling subcontractor, MR Drilling Co. (MR), on August 12, 2024, that repeated refusals were encountered while attempting to advance a split-spoon sampler at an angle into borings at Stockpile G. Specifically, the percussion casing hammer was repeatedly observed to be ineffective at driving the split-spoon sampler into the subsurface. MR assessed that based on the soil composition (mixed soil and construction debris) of Stockpile G and the effectiveness of the casing hammer being significantly diminished due to the angle of the boring (40-45 degrees), use of a split-spoon sampler to collect samples was infeasible. Provided that Stockpile I consists nearly exclusively of concrete debris, Leighton believes it is highly unlikely that a split-spoon sample will be successfully advanced into the Stockpile I angled borings.

Based on this observation and related discussions with MR, Leighton recommends that the samples be collected directly from the sonic drill cuttings by inserting a pre-cleaned 6-inch stainless-steel tube into the recovered sonic cuttings at each desired depth. The ends of each tube will then be covered with Teflon sheeting and plastic endcaps, placed in a sealed Ziploc bag, and stored in an ice-chilled cooler.

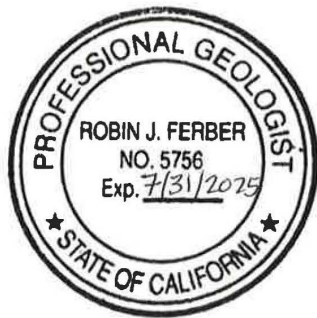
Should you have any questions, please do not hesitate to contact the undersigned.



Sincerely,
LEIGHTON AND ASSOCIATES, INC.,

A handwritten signature in blue ink that reads "Michael Priestaf".

Michael J. Priestaf, MS, PG (CA 9779)
Project Geologist



A handwritten signature in blue ink that reads "Robin Ferber".

Robin Ferber, PG (CA 5756)
Senior Principal Geologist

Copies: Chris Nicholson (Milan)
Bret Bernard (Milan)
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