

## **Appendix E      Paleontological Records Search**

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26 February 2015

Atkins North America, Inc.  
3570 Carmel Mountain Road, Suite #300  
San Diego, CA 92130

Attn: Sandra P. Pentney, Associate Project Manager / Archaeologist

re: Paleontological resources for the proposed LeBard Park MND Project, Project #  
100030959, in the City of Huntington Beach, Orange County, project area

Dear Sandra:

I have conducted a thorough search of our paleontology collection records for the locality and specimen data for the proposed LeBard Park MND Project, Project # 100030959, in the City of Huntington Beach, Orange County, project area as outlined on the portion of the Newport Beach USGS topographic quadrangle map that you sent to me via e-mail on 10 February 2015. We do not have any vertebrate fossil localities that lie within the proposed project area boundaries, but we do have localities nearby from the same sedimentary units that may occur subsurface in the proposed project area.

The entire proposed project area has surface deposits composed of younger Quaternary Alluvium, derived as overbank deposits from the Santa Ana River adjacent to the east. These deposits usually do not contain significant vertebrate fossils, at least in the uppermost layers, but these deposits may be underlain by older Quaternary deposits as occur in the bluffs to the east and west defining the Santa Ana River floodplain. Our closest vertebrate fossil locality from older Quaternary deposits is LACM 1339, just northeast of the proposed project area along Adams Avenue near the top of the mesa bluffs east of the Santa Ana River, that produced fossil specimens of mammoth, *Mammuthus*, and camel, Camelidae, in sand approximately 15 feet below the top of the mesa that is overlain by shell bearing silts and sands.

Surface grading or shallow excavations in the younger Quaternary Alluvium exposed throughout the proposed project area probably will not uncover significant vertebrate fossil remains. Excavations that extend down into the older Quaternary deposits, however, may well encounter significant fossil vertebrate specimens. Any substantial excavations below the uppermost layers in the proposed project area, therefore, should be monitored closely to quickly and professionally recover any fossil remains discovered while not impeding development. Sediment samples should also be collected from the older deposits in the proposed project area and processed to determine their small fossil potential. Any fossils collected should be placed in an accredited and permanent scientific institution for the benefit of current and future generations.

This records search covers only the vertebrate paleontology records of the Natural History Museum of Los Angeles County. It is not intended to be a thorough paleontological survey of the proposed project area covering other institutional records, a literature survey, or any potential on-site survey.

Sincerely,

A handwritten signature in cursive script that reads "Samuel A. McLeod".

Samuel A. McLeod, Ph.D.  
Vertebrate Paleontology

enclosure: invoice