

21st Annual International Conference on Soils, Sediments, Water, and Energy

Formatting Requirements

March 14-17, 2011
San Diego, California
www.aehsfoundation.org

1 → **Perspective on In-Situ MTBE Plume Bioremediation**

2 → Sonya M. Webb and Ernest E. Lory

3 → **Platform Presentation**

Concern over Methyl-tertiary-Butyl Ether (MTBE)-polluted aquifers has increased as the number of contaminated plumes increases, and as evidence accumulates suggesting that MTBE has adverse effects on human health.

4 → The Department of Defense National Environmental Technology Test Site (D/NETTS), located on the Naval Construction Battalion Center, Port Hueneme, California, emphasizes advanced fuel hydrocarbon remediation in soil and ground water. Its mission is to develop and maintain research and development platforms for testing, evaluation, and validation of promising environmental cleanup and monitoring technologies. As part of the D/NETTS program an MTBE plume is being used as a test platform to evaluate in-situ remediation technologies including monitored natural attenuation, oxygen and air injection, and microbial injection.

A comparison of in-situ MTBE biodegradation will be presented with regard to natural attenuation, enhanced natural attenuation and injected microbial cultures. Using these case studies, a decision assisting process will be presented on applicability of these various processes to different types of sites.

5 → Sonya M. Webb
Naval Facilities Engineering Service Center, Code 414SW, 1100 23rd Avenue, Port Hueneme, CA 93043, USA, webbsm@nfesc.navy.mil, Telephone: (805) 982-4993, Fax: (805) 982-4304

Ernest E. Lory
Naval Facilities Engineering Service Center, Code 411EL, 1100 23rd Avenue, Port Hueneme, CA 93043, USA, loryee@nfesc.navy.mil, Telephone: (805) 982-1299, Fax: (805) 982-4304

6 → Presenting Author: Sonya Webb

1. **Abstract title** should be no more than 15 words, bold 12 point Arial font, title case, centered.
2. **Authors names** should be underlined 12 point Arial font, centered.
3. Please indicate **presentation preference** (platform, poster, or either) bold 10 point Arial Font, centered.
4. **Abstract narrative** should be no more than 300 words. Use 10 point Arial font with 1.5 line spacing, justified.
5. For each **author** listed, provide the name, affiliation, address, telephone, fax, and email (required). The name of the presenting author should be underlined.
6. Please specify the **presenting author** as indicated.
7. Abstracts may be **emailed to brenna@aeahsfoundation.org**. Please send the abstract as a Microsoft Word attachment saved as the presenting author's last name in lowercase letters.
8. **Abstract submission deadline is July 9, 2010.**

Faxed Abstracts WILL NOT Be Accepted