

Phyto-Engineering of Petroleum Hydrocarbon Contaminated Dredged Material. (A02-lee223338-Oral)

Authors:

- N.V.Hue - *University of Hawaii, Monoa*
- C.R.Lee - *USACE-ERDC*
- R.A.Price - *USACE-ERDC*
- A.J.Palazzo - *USACE-ERDC*
- D.Nakamura - *USACE-Honolulu District*
- P.Adam - *RSMT Coalport, PA*

Abstract:

Pearl Harbor dredged material was blended with various forms of cellulose and types of biosolids to produce eighteen fertile topsoils. Plants were grown on the blended topsoils to degrade the petroleum hydrocarbons and reduce organic contamination. Seashore paspalum grew the best of the plant species tested. Phyto-degradation of petroleum hydrocarbons was observed to range from 10-50% depending on the blend formulation.

Corresponding Author Information:

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|----------------------|---------------------------|
| Charles R. Lee | phone: 601-634-3585 |
| USACE-ERDC | fax: 601-634-3120 |
| 3909 Halls Ferry Rd | e-mail: leec@wes.army.mil |
| Vicksburg,, MS 39180 | |

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