

**DEPARTMENT OF TOXIC SUBSTANCES CONTROL**400 P STREET, 4TH FLOOR  
P.O. BOX 806  
SACRAMENTO, CA 95812-0806**MEMORANDUM**

**TO:** Joseph Chou  
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**FROM:** Michael J. Wade, Ph.D., DABT *mjw*  
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**Date:** March 1, 1996

**Subject:** Moffett Field: Guidance for the Dermal Exposure Route in Risk Assessment  
PCA Code 14740; Site Code 200068-45;

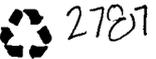
At the meeting held on February 23, 1996, the issue of exposure parameters for the dermal exposure pathway in the sitewide risk assessment for Moffett Field was discussed. It was agreed that OSA would contact PRC Inc. regarding the dermal adherence factor. Today I spoke with Theresa Lopez of PRC by telephone regarding the dermal exposure route. I indicated that although reportedly the choice of a value of 1.0 or 0.2 mg/cm<sup>2</sup> for the dermal adherence factor did not produce a large impact on risk or hazard values, that the State value currently recommended by DTSC of 1.0 mg/cm<sup>2</sup> should be utilized. I said that it is the Navy's prerogative to present an alternative calculation utilizing a value of 0.2 mg/cm<sup>2</sup>, but that the text, figures and tables should give at least "equal billing" to results obtained using the value of 1.0 mg/cm<sup>2</sup>.

The following two references contain DTSC guidance on risk assessment of dermal exposure to contaminated soil:

*California EPA, Department of Toxic Substances Control, Office of Science Advisor, 1992. Supplemental Guidance for Human Health Multimedia Risk Assessments of Hazardous Waste Sites and Permitted Facilities.*

*California EPA, Department of Toxic Substances Control, Office of Science Advisor, 1994. Preliminary Endangerment Assessment Guidance Manual.*

Should you have any questions please do not hesitate to call us at (916) 327-2496.



Joseph Chou  
Moffett Federal Airfield  
March 1, 1996  
Page 2

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