



Environmental Screening Levels
San Francisco Bay Regional Water Quality Control Board



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February 2016 ESLs: Status		
ESL Component	Revision No.	Date Posted
Cover Memo	0	February 23, 2016
User's Guide	0	February 23, 2016
Workbook and Summary Tables	3	May 23, 2016
Frequently Asked Questions (FAQs)	0	February 23, 2016

Key Changes to ESL Workbook and Summary Tables:

Revision 3

1. Correction to the non-cancer hazard formula for the “any land use, construction worker soil exposure scenario” (Table S-1). Revision 2 corrected the ingestion and dermal formulas while Revision 3 is now correcting the inhalation formula. This current revision makes several of the noncarcinogenic metals (e.g., barium, beryllium, nickel, and vanadium) the risk driver for the Tier 1 soil ESLs, as was the case originally.
2. The Final Soil Risk Based Screening Levels (Table S-1) for lead are based on the input of central tendency soil ingestion rates into blood lead models. In revision 2 both the “commercial/industrial” and “any land use, construction worker” soil exposure scenarios were changed based on a soil ingestion rate of 100 mg/day. However the “commercial/industrial” ingestion rate of 50 mg/day should not have been changed and therefore was changed back to its original value.
3. Adoption of the oral reference dose (RfD) toxicity value for vanadium given in the RSL user's guide, which is based on taking the IRIS RfD for vanadium pentoxide and factoring out the molecular weight of the oxide ion. This lowers the non-cancer risk based ESLs for direct exposure to groundwater and soil.