Surrer   EAL	4.7. 4.5.4.				
Hawai'i DOH (Summer 2016, rev Nov 2016)	SUMMARY				
Summer 2016, rev Nov 2016    Site Name:   Site Address:   Site Address:   Site Address:   Site Address:   Site ID Number:   Date of EAL Search:	REPORT				
Site Address: Site ID Number: Date of EAL Search:  Selected Site Scenario  Land Use: Commercial/ Industrial Only Water Resource  >150m Selected Chemical of Concern:  Selected Chemical of Concern:  Selected Chemical of Concern:  Soil (mg/kg): Input Site Concentration Soil Environmental Hazards  Tier 1 Action Level  2.8E+04 No Table I-2  Direct Exposure:  Direct Exposure:  Direct Exposure:  Direct Exposure:  Mg/kg  Direct Exposure:  Mg/kg  Direct Exposure:  Mg/kg  Direct Exposure:  Mg/kg  Terriestrial Ecotoxicity:  Site Address: Site ID Number: Distance To Nearest Surface Water Body:  Units  Direct Exposure:  Mg/kg  Terriestrial Ecotoxicity:  mg/kg  img/kg  Site-specific  No Table L  Gross Contamination  mg/kg  mg/kg  mg/kg  mg/kg  mg/kg  mg/kg  mg/kg  mg/kg  mg/kg		(Summer 2016, rev Nov			
Site ID Number: Date of EAL Search:  Selected Site Scenario  Land Use:  Commercial/ Industrial Only  Groundwater Utility:  Selected Chemical of Concern:  Selected Chemical of Concern:  Selected Chemical of ETHYL KETONE  Groundwater (ug/L):  Soil (mg/kg):  Soil Vapor (ug/m3):  250000  Soil Environmental Hazards  Tier 1 Action Level  Action Level  Totale  Action Level  Soil Table L  Direct Exposure:  Direct Exposure:  Marthyl Concern:  Soil Vapor (ug/m3):  Units  Vapor Emissions To Indoor Air:  Terrestrial Ecotoxicity:  site-specific  No  Table L  Gross Contamination  mg/kg  img/kg  img/kg  contamination  mg/kg  contamination  mg/kg  contamination  mg/kg  contamination  mg/kg  contamination  mg/kg  contamination  mg/kg				Site Name:	
Number:   Date of EAL   Search:				Site Address:	
Selected Site   Selected Site   Selected Site   Scenario   Commercial/ Industrial Only					
Scenario   Commercial/ Industrial Only					
Groundwater Utility:    Nondrinking Water Resource   Distance To Nearest Surface Water Body:   >150m					
Utility:    Value   Va		Land Use:			
Selected Chemical of Concern:  METHYL ETHYL KETONE  Soil Input Site Concentration s  Soil (mg/kg): 10  Groundwater (ug/L):  Soil Vapor (ug/m3):  250000  Soil Environmental Hazards  Tier 1 Action Level			Water		Nearest Surface Water
Chemical of Concern:         ETHYL KETONE         Input Site Concentration s           Boil (mg/kg):         10           Groundwater (ug/L):         5300           250000         Soil Vapor (ug/m3):           250000         Units           Tier 1 Action Level         2Potential Hazards         3Referenced Table           Action Level         Direct Exposure:         mg/kg           2.8E+04         No         Table I-2           Vapor Emissions To Indoor Air:         mg/kg           1.6E+04         No         Table C-1b           Site-specific         No         Table L           Gross Contamination :         mg/kg		>150m			
Concentration   Soil (mg/kg): 10	Chemical of	ETHYL			
Groundwater (ug/L):   Soil Vapor (ug/m3):					Concentration
Cug/L):   Soil Vapor (ug/m3):				Soil (mg/kg):	10
Soil   Environmental   Hazards   Units			5300		
Soil Environmental Hazards  Tier 1 2Potential Hazard?  Direct Exposure:  2.8E+04 No Table I-2  Vapor Emissions To Indoor Air:  1.6E+04 No Table C-1b  Terrestrial Ecotoxicity:  Site-specific No Table L  Gross Contamination : mg/kg					
Environmental Hazards  Tier 1	250000				
Tier 1 Action Level 2Potential Hazard? 3Referenced Table Direct Exposure:  2.8E+04 No Table I-2 Vapor Emissions To Indoor Air:  1.6E+04 No Table C-1b Terrestrial Ecotoxicity:  site-specific No Table L  Gross Contamination : mg/kg		Environmental			Units
Exposure:  2.8E+04  No  Table I-2  Vapor Emissions To Indoor Air:  1.6E+04  No  Table C-1b  Terrestrial Ecotoxicity:  site-specific  No  Table L  Gross Contamination :  mg/kg		2Potential			
Vapor Emissions To Indoor Air:  1.6E+04 No Table C-1b  Terrestrial Ecotoxicity:  site-specific No Table L  Gross Contamination : mg/kg					mg/kg
Emissions To Indoor Air:  1.6E+04 No Table C-1b  Terrestrial Ecotoxicity:  site-specific No Table L  Gross Contamination : mg/kg	2.8E+04	No	Table I-2		
Terrestrial mg/kg Ecotoxicity:  site-specific No Table L  Gross Contamination :				Emissions To	mg/kg
site-specific No Table L  Gross Contamination :	1.6E+04	No	Table C-1b		
Gross mg/kg Contamination					mg/kg
Contamination :	site-specific	No	Table L		
1.0E+03 No Table F-2					mg/kg
<del></del>	1.0E+03	No	Table F-2		

			Leaching	mg/kg
			(threat to groundwater):	3 3
5.5E+01	No	Table E-1	groundwater).	
0.02101	110	Table E 1	Background:	mg/kg
-				g,g
			Final Soil Tier 1 EAL:	mg/kg
5.5E+01				
				Basis:
Leaching				
	Groundwater Environmental Hazards			Units
Tier 1 Action Level	2Potential Hazard?	3Referenced Table		
Action Level	Tiazaiu:	Table	Drinking Water (Toxicity):	ug/L
-	-	Table D-1d		
			Vapor Emissions To Indoor Air:	ug/L
2.2E+08	No	Table C-1a		
			Aquatic Ecotoxicity:	ug/L
2.0E+05	No	Table D-4a		
			Gross Contamination	ug/L
5.0E+04	No	Table G-2		
			Final Groundwater Tier 1 EAL:	ug/L
5.0E+04				
				Basis:
Gross Contamination				
	Other Tier 1 EALs:			Units
EAL	2Potential Hazard?	3Referenced Table		
		Shallow Soil Vapor:	ug/m3	1.8E+07
No	Table C-2			
	Indoor Air:	ug/m3	4.4E+03	-
Table C-3			Notes:	

1. Include Surfer Summary Report in appendices of Environmental Hazard Evaluation (EHE) for contaminants that exceed Tier 1 EALs (refer to Chapter 3 of main text).			
	2. Environmental hazard could exist of concentration of contaminant exceeds action level.		
			3. Referenced tables presented in Appendix 1 of EHE guidance document.
		Reference: HDOH 2016, Evaluation of Environmental Hazards at Sites with Contaminated Soil and Groundwater (Summer 2016): Hawai'i Department of Health, Hazard Evaluation and Emergency Response, http://hawaii.g ov/health/envir onmental/hazard/index.html	