

APPENDIX G

RISK SCREENING DATA

Appendix G
Table I
Risk Screen Calculations - Cancer Risk
Groundwater - Salton Sea Test Base

| Chemical Name | Concentration ¹ | PRG [~] | Cancer Risk ² | MCL | Cancer Risk ³ |
|----------------------------|----------------------------|---------------------|--------------------------|---------------------|--------------------------|
| <u>Sq</u> | | | | | |
| <u>ITE I</u> | | | | | |
| 1,4-DICHLOROBENZENE | 3.0E+00 | 4.7E-01 | 6.4E-06 | | 6.4E-06 |
| 2,4,6-TRICHLOROPHENOL | 3.0E+00 | 6.1E+00 | 4.913-07 | | 4.9E-07 |
| ARSENIC | 2.3E+00 | 4.513-02 | 5.1E-05 | 5.0E+01 | NC |
| BERYLLIUM and Compounds | .7.5E-01 | 1.6E-02 | 4.7E-05 | 4.0E+00 | NC |
| BIS(2-ETHYLHEXYL)PHTHALATE | 1.3E+01 | 4.8E+00 | 2.7E-06 | | 2.7E-06 |
| GAMMA-BHC (LINDANE) | LIE-02 | 5.2E-02 | 2.1E-07 | | 2.113-07 |
| HEPTACHLOR | 9.5E-03 | 1.5E-02 | 6.4E-07 | | 6.4E-07 |
| | | Total Cancer Risk | 1.1E-04 | Total Cancer Risk | 1.0E-05 |
| <u>SITE 8</u> | | | | | |
| ARSENIC | 9.313+00 | 4.5E-02 | 2.1E-04 | 5.0E+01 | NC |
| BERYLLIUM and Compounds | 7.513-01 | 1.6E-02 | 4.7E-05 | 4.0E+00 | NC |
| BIS(2-ETHYLHEXYL)PHTHALATE | 3.0E+00 | 4.813+00 | 6.2E-07 | | 6.2E-07 |
| DDT | 4.613-03 | 2.0E-01 | 2.3E-08 | | 2.3E-08 |
| DIELDRIN | 5.313-03 | 4.2E-03 | 1.3E-06 | | 1.3E-06 |
| GAMMA-BHC (LINDANE) | 3.0E-03 | 5.2E-02 | 5.8E-08 | | 5.8E-08 |
| HEFrACHLOR | 4.0E-03 | 1.513-02 | 2.1E-07 | | 2.7E-07 |
| NETHYLENE CHLORIDE | 4.0E+00 | 4.3E+00 | 9.9E-07 | | 9.9E-07 |
| | | Total Cancer Risk | 2.6E-04 | Total Cancer Risk | 3.2E-06 |
| <u>SITE 10 LA</u> | | | | | |
| None | | | | | |
| <u>SITE 13</u> | | | | | |
| ALDRIN | 3.013-02 | 4.0E-03 | 7.5E-06 | | 7.5E-06 |
| AROCLOR-1248 | 1.1E+00 | 8.7E-03 | 1.3E-04 | | 1.3E-04 |
| ARSENIC | 7.4E+01 | 4.5E-02 | 1.7E-03 | 5.0E+01 | NC |
| BERYLLIUM and Compounds | 2.2E+00 | 1.6E-02 | ME-04 | 4.0E+00 | NC |
| BIS(2-ETHYLHEXYL)PHTHALATE | 4.113+01 | 4.8E+00 | 8.5E-06 | | 8.5E-06 |
| BETA-BHC | 5.8E-02 | 3.7E-02 | 1.6E-06 | | 1.6E-06 |
| CHLOROMIETHANE | 2.0E-01 | 1.5E+00 | 1.313-07 | | 1.3E-07 |
| | | Total Cancer Risk | 1.5E-03 | Total Cancer Risk | 1.4E-0 |
| <u>SITE 14</u> | | | | | |
| ARSENIC | 4.6E+00 | 4.5E-02 | 1.0E-04 | 5.0E+01 | NC |
| BERYLLIUM and Compounds | 1.6E+00 | 1.6E-02 | 6.9E-05 | 4.0E+00 | NC |
| BIS(2-ETHYLHEXYL)PHTHALATE | 6.0E+00 | 4.8E+00 | 1.2E-06 | | 1.5E-07 |
| METHYLENE CHLORIDE | 2.013+00 | 4.3E+00 | 4.7E-07 | | 4.7E-07 |
| TRICHLOROETHENE | 1.0E-01 | 1.6 | 6.1E-08 | | 6.6E-08 |
| | | Total Cancer Risk I | 1.7E-04 | Total Cancer Risk I | 6.7E-07 |

Appendix G
Table I
Risk Screen Calculations - Cancer Risk
Groundwater - Salton Sea Test Base

| Chemical Name | Concentration | PRG~ | Cancer Risk 2 | MCL | Cancer Risk 3 |
|----------------------------|---------------|-------------------|---------------|-------------------|---------------|
| ITE 15 | | | | | |
| 2,4,6-TRICHLOROPHENOL | 3.0E+00 | 6.1E+00 | 4.9E-07 | | 4.91E-07 |
| ARSENIC | 1.8E+00 | 4.5E-02 | 4.0E-05 | 5.0E+01 | NC |
| BENZENE | 1.0E+00 | 3.91E-01 | 2.6E-06 | | 2.6E-06 |
| BERYLLIUM and Compounds | 7.21E-01 | 1.6E-02 | 4.5E-05 | 4.0E+00 | NC |
| BIS(2-ETHYLHEXYL)PHTHALATE | 9.0E+00 | 4.81E+00 | 1.5E-06 | | 1.9E-06 |
| TETRACHLOROETHENE | 8.0E-02 | 1.1E+00 | 7.3E-08 | | 7.3E-08 |
| | | Total Cancer Risk | 9.0E-05 | Total Cancer Risk | 5.0E-06 |

ITE 16

| | | | | | |
|----------------------------|----------|-------------------|---------|-------------------|---------|
| ARSENIC | 3.3E+00 | 4.5E-02 | 7.3E-05 | 5.0E+01 | NC |
| BERYLLIUM and Compounds | 7.5E-01 | 1.6E-02 | 4.7E-05 | 4.0E+00 | NC |
| BIS(2-ETHYLHEXYL)PHTHALATE | 2.01E+00 | 4.8E+00 | 4.2E-07 | | 4.2E-07 |
| | | Total Cancer Risk | 1.2E-04 | Total Cancer Risk | 4.1E-07 |

ME 17

| | | | | | |
|----------------------------|---------|-------------------|---------|-------------------|---------|
| ARSENIC | 1.3E+01 | 4.5E-02 | 2.9E-04 | 5.0E+01 | NC |
| BENZENE | 1.0E+00 | 3.9E-01 | 2.6E-06 | | 2.6E-06 |
| BERYLLIUM and Compounds | 1.2E+00 | 1.6E-02 | 7.5E-05 | 4.0E+00 | NC |
| BIS(2-ETHYLHEXYL)PHTHALATE | 1.2E+01 | 4.8E+00 | 2.5E-06 | | 2.5E-06 |
| NIETHYLENE CHLORIDE | 1.0E+00 | 4.3E+00 | 2.3E-07 | | 2.3E-07 |
| | | Total Cancer Risk | 3.7E-04 | Total Cancer Risk | 5.3E-06 |

TIF 18

| | | | | | |
|----------------------------|---------|-------------------|---------|-------------------|---------|
| ARSENIC | 6.5E+00 | 4.5E-02 | 1.4E-04 | 5.0E+01 | NC |
| BERYLLIUM and Compounds | 1.5E+00 | 1.6E-02 | 9.4E-05 | 4.0E+00 | NC |
| BETA-BHC | 2.8E-03 | 3.7E-02 | 7.6E-08 | | 7.6E-08 |
| BIS(2-ETHYLHEXYL)PHTHALATE | 8.0E+00 | 4.8E+00 | 1.7E-06 | | 1.7E-06 |
| CHLOROMETHANE | 2.0E-01 | 1.5E+00 | 1.3E-07 | | 1.3E-07 |
| GAMMA-BHC (LINDANE) | 1.6E-03 | 5.2E-02 | 3.1E-08 | | 3.1E-08 |
| HEPTACHLOR | 2.1E-03 | 1.5E-02 | 1.4E-07 | | 1.4E-07 |
| METHYLENE CHLORIDE | 3.0E+00 | 4.3E+00 | 7.0E-07 | | 7.0E-07 |
| | | Total Cancer Risk | 2.4E-04 | Total Cancer Risk | 2.7E-06 |

ITF 19

| | | | | | |
|----------------------------|----------|-------------------|----------|-------------------|----------|
| ALPHA-CHLORDANE4 | 2.6E-03 | 5.2E-02 | 5.0E-08 | | 5.0E-08 |
| ARSENIC | 1.3E+00 | 4.5E-02 | 2.9E-05 | 5.0E+01 | NC |
| BERYLLIUM and Compounds | 9.5E-01 | 1.61E-02 | 5.9E-05 | 4.0E+00 | NC |
| BETA-BHC | 9.01E-04 | 3.7E-02 | 2.41E-08 | | 2.41E-08 |
| BIS(2-ETHYLHEXYL)PHTHALATE | 3.0E+00 | 4.8E+00 | 6.2E-07 | | 6.2E-07 |
| DIELDRIN | 5.6E-03 | 4.21E-03 | 1.3E-06 | | 1.3E-06 |
| HEPTACHLOR | 3.71E-02 | 1.5E-02 | 2.5E-06 | | 2.5E-06 |
| METHYLENE CHLORIDE | 2.0E+00 | 4.3E+00 | 4.7E-07 | | 4.7E-07 |
| | | Total Cancer Risk | 9.3E-05 | Total Cancer Risk | 5.0E-06 |

Appendix G
Table 1
Risk Screen Calculations - Cancer Risk
Groundwater - Salton Sea Test Base

| Chemical Name | Concentration ¹ | PRG | Cancer Risk ² | MCL | Cancer Risk ³ |
|----------------------------|----------------------------|-------------------|--------------------------|-------------------|--------------------------|
| <u>SITE 23A</u> | | | | | |
| ARSENIC | 3.9E+00 | 4.5E-02 | 8.713-05 | 5.0E+01 | NC |
| BIS(2-ETHYLHEXYL)PHTRALATE | 4.011+00 | 4.8E+00 | 8.3E-07 | | 8.3E-07 |
| GAMMA-BHC (LINDANE) | 9.013-04 | 5.2E-02 | 1.7E-08 | | 1.7E-08 |
| GAMMA-CHLORDANe | 7.013-04 | 5.2E-02 | 1.313-08 | | 1.313-08 |
| HEPTACHLOR | 2.413-02 | 1.513-02 | 1.6E-06 | | 1.6E-06 |
| | | Total Cancer Risk | 8.913-05 | Total Cancer Risk | 2.5E-06 |
| <u>STIF 25</u> | | | | | |
| ARSENIC | 2.6E+00 | 4.5E-02 | 5.8E-05 | 5.0E+01 | NC |
| BENZENE | 2.0E-01 | 3.9E-01 | 5.2E-07 | | 5.2E-07 |
| BERYLLIUM and Compounds | 7.713-01 | 1.6E-02 | 4.8E-05 | 4.0E+00 | NC |
| BETA-BHC | 4.3E-03 | 3.7E-02 | 1.2E-07 | | 1.2E-07 |
| DDE | 3.0E-03 | 2.013-01 | 1.5E-08 | | 1.5E-08 |
| HEPTACHLOR | 1.811-02 | 1.513-02 | 1.2E-06 | | 1.211-06 |
| | | Total Cancer Risk | ME-04 | Total Cancer Risk | ISE-06 |
| <u>Background Wells</u> | | | | | |
| 1,2-DICHLOROETHANE | LOE-01 | 1.213-01 | 8.1E-07 | | 8.1E-07 |
| 4A-DDD | 3.413-03 | 2.813-01 | 1.2E-08 | | 1.2E-08 |
| 4,4'-DDE | 6.3E-03 | 2.0E-01 | 3.2E-08 | | 3.2E-08 |
| 4,4'-DDT | 8.0E-03 | 2.013-01 | 4.0E-08 | | 4.0E-08 |
| ARSENIC | 6.3E+01 | 4.5E-02 | 1.4E-03 | 5.0E+01 | NC |
| BERYLLIUM and Compounds | 1.7E+00 | 1.6E-02 | ME-04 | 4.0E+00 | NC |
| BIS(2-ETHYLREXYL)PHTHALATE | 8.0E+01 | 4.8E+00 | 1.7E-05 | | 1.7E-05 |
| CHLOROFORM | 3.0E-01 | 1.6E-01 | ISE-06 | | 1.2E-06 |
| CHLORONETHANE | 6.0E-01 | 1.5E+00 | 4.0E-07 | | 4.0E-07 |
| DIELDRIN | 4.1 E-03 | 4.2E-03 | 9.8E-07 | | 3.7E-07 |
| HEPTACHLOR | 8.0E-03 | 1.5E-02 | 5.4E-07 | | 3.7E-07 |
| METHYLENE CHLORIDE | 2.0E+00 | 4.3E+00 | 4.7E-07 | | 4.7E-07 |
| | | Total Cancer Risk | 1.5E-03 | Total Cancer Risk | 2.0E-05 |

NC - Not Calculated
 NA - Background concentration is greater than PRG
 Dominant risk drivers are highlighted in bold
¹Cancer risk includes arsenic and beryllium
²Cancer risk does not include arsenic and beryllium
³Units in ug/L
⁴PRG for chlordane used as surrogate PRG for alpha- and gamma-chlordane

Appendix G
Table 2
Risk Screen Calculations - I hazard
Groundwater - Salton Sea Test Base

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| S11 | | | | | | | | | | |
|------------------------------|-----------|--------------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-------------|
| 2-CYCLOHEXEN-1-ONE | 2.OE+(X) | 1.813+05 | | 1. 1 E-05 | 1. 1 E-05 | 1. 1 E-05 | 1. 1 E4)5 | 1. 1 E-05 | 1. 1 E-05 | 1. 1 E-05 |
| ACEFrONE | 1.013+01 | 6. 1 E+02 | | 1.613-02 | | | | | | 1.6E-02 |
| ARSENIC | 2.3E+00 | 1.113+01 | | - | | | | 2.IE-01 | | 2.IE-01 |
| BARIUM and Compounds | 3.413+01 | 2.611+03 | | 1.3E-02 | | | - | -- | - | 1.3E-02 |
| BERYLLIUM and Compounds | 7.513-01 | 1.8E+02_ | | 4.2E-03 | 4.2E-03 | 4.2E-03 | 4.213-03 | 4.213-03 | 4.2E-03 | 4.213-03 |
| BIS(2-ErHYLHEXYL)PHTHALATE | 1.3E+01 | 7.3E+02 | | | | | - | 1.8E-02 | | 1.813-02 |
| BUTYLBENZYLPHthalATE | 3.013+00 | 7.313+03 | | 4.1 E-04 | 4. 1 E-04 | 4. 1 E-04 | 4. 1 E-04 | 4. 1 E-04 | 4. 1 E-04 | 4. 1 E-04 |
| 2-BUTOXYETHOXYETHANOL isomW | 3.013+00 | 2. 1 E+02 | | | | | | | 1.413-02 | 1AE-02 |
| CADMIUM and Compounds | 7.4E+00 | 1.8E+01 | | | | | | | 4.1E-01 | 4.1E-01 |
| CARBON DISULFIDE | 3.OE-0 I | 2.IE+01 | | 1.4E-02 | | | | | | 1.413-02 |
| CHROMIUM, TOTAL | 5.413+00 | NA | 5.0E+01 | | | | | | | - |
| COBALV | 2.8E.+00 | 2.213+03 | | 1.3E-03 | 1.313-03 | 1.3E-03 | 1.3E-03 | 1.313-03 | 1.3E-03 | 1.312-03 |
| COPPER and Compounds | 4.6E+01 | 1.4E+03 | | | - | | | 3.413-02 | | 3.413-02 |
| 1,4-DICHLOROBENZENE | 3.013+00 | 1.4E+03 | | 2. 1 E-03 | 2. 1 E-03 | 2. 1 E-03 | 2. 1 E-03 | 2AE-03 | 2. 1 E-03 | 2. 1 E-03 |
| DIETHYL PHTALATE | 5.OE-01 | 2.9E+04 | | 1.7E-05 | 1.7E-05 | 1.7E-05 | 1.713-05 | 1.7E-05 | 1.7E-05 | 1.713-05 |
| DI-N-BUTYLPHthalATE | 1.2E+01 | 3.713+03 | | 3.313-03 | 3.3E-03 | 3.312-03 | 3.3E-03 | 3.3E-03 | 3.312-03 | 3.313-03 |
| ErHYLBENZENE | 1.OE-01 | 1.313+03 | | 7.713-05 | 7.7E-05 | 7.713-05 | 7.713-05 | 7.7E-05 | 7.7E-05 | 7.713-05 |
| GAMM[A-BHC (LINDANE) | 1. 1 E-02 | 1.113+01 | | 1.013-03 | 1.013-03 | 1.OE-03 | 1.013-03 | 1.OE-03 | 1.012-03 | 1.013-03 |
| HEPTACHLOR | | 9.513-03 | 1.813+01 | 5.3E-04 | 5.313-04 | 5.313-04 | 5.3E-04 | 5.313-04 | 5.313-04 | 5.311-04 |
| LEAD' | 1.9E+00 | 4.013+00 | | - | - | - | - | - | - | 4.8E-01 |
| MERCURY | 1.3E-01 | 1.113+01 | | 1.213-02 | | | | | | 1.215-02 |
| MOLYBDENUM | 9.2E+01 | 1.8E+02 | | - | | | | | 5.OE-01 | S.OE-01 |
| NAPHTHALENE | 8.013-01 | 2.4E+02 | | 3.311-03 | 3.313-03 | 3.3E-03 | 3.3E-03 | 3.313-03 | 3.313-03 | 3.313-03 |
| SELENIUM | 2.013+0 1 | 1.8E+02 | | - | LIE-01 | | | - | - | 1.113-01 |
| THALLIUM | 1.5F+00 | 2.614.+00 | | | | | | - | 5.9E-01 | 5.9E-01 |
| TOLUENE | 2.OE+(X) | 7,213+02 | | 2.813-03 | 2.8E-03 | 2.8E-03 | 2.HE-03 | 2.813-03 | 2.813-03 | 2.813-03 |
| 1,2,4-TRIMErHYLBENZENEb | 3.013-0 1 | 1.412+03 | | 2. 1 E-04 | 2. 1 E-04 | 2. 1 E-04 | 2. 1 E-04 | 2.1 E-04 | 2. 1 E4)4 | 2. 1 E-04 |
| 1,3,5-TRIMErHYLBENZENE' | 9.013-02 | 1.4E+03 | | 6.4E-05 | 6.413-05 | 6AE-05 | 6.413-05 | 6.413-05 | 6.413-05 | 6.415-05 |
| VANADIUM | 5.OE+00 | 2.6E+02 | | | - | | - | - | 2.013-02 | 2.013-02 |
| XYLENES (TOTAL) | 1.013+00 | 1.4E+03 | | 7. 1 E-04 | 7. 1 E-04 | 7. 1 E-04 | 7. 1 E-04 | 7. 1 E-04 | 7. 1 E-04 | 7. 1 E-04 |
| ZINC | 4.413+02 | 1. 1 E+04 | | 4.OE-02 | | | | | | 4.OE-02 |
| | | Hazard Index | | 8E-02 | 2E-01 | 2E-02 | 2E-02 | 2E-02 | 3E-01 | 2E+00 2E+00 |
| SITE 8 | | | | | | | | | | |
| 2-BUTANONE | 1.OE+00 | 1.9E+03 | | 5.313-04 | 5.313-04 | 5.3E-04 | 5.3E-04 | 5.3E-04 | 5.313-04 | 5.313-04 |
| ACFrONE | 1.413+01 | 6. 1 E+02 | | 2.313-02 | | | | | - | 2.312-02 |
| BARIUM and Compounds | 3.OE+02 | 2.6E+03 | | 1.213-01 | | | | | - | 1.213-01 |
| 2-BLTrOXYETHOXYErHANOL isomW | 3.813+0 1 | 2. 1 E+02 | | | | | | | 1.813-01 | 1.8E-01 |
| ICHROMIUM,TOTAL | 2.2E+01 | NA | 5 OE+01 I | | | | | | | 4.RE-01 |
| ICOPPER and Compounds | 6.513+00 | 1.4E+03 | | 4.8E-03 _ | 4.8E-03 1 | 4.813-03 1 | 4.813-03 | 4.8E-03 | 48E-03__m | |

Appendix G
 Table 2
 Risk Screen Calculations - Hazard
 Groundwater - Salton Scudrest Base

| | | | | | | | | | |
|---------------------|-----------|--------------|----------|----------|----------|----------|----------|----------|----------|
| DDT | 4.613-03 | 1.813+01 | 2.6E4)4 | 2.6E4)4 | 2.613-04 | 2.613-04 | 2.613-04 | 2.613-04 | |
| 131ELDRIN | 5.313-03 | 1.8E+(X) | 2.913-03 | 2.911-03 | 2.9E-03 | 2.913-03 | 2.9E-03_ | 2.913-03 | |
| DIETHYL PHTHALATE | 1.013+00 | 2.913+04 | 3.413-05 | 3.4E-05' | 3.413-05 | 3AE-05 | 3.413-05 | 3.4E-05 | |
| TRDRIN | 5.913-031 | 1.1E+01 | 5.412-04 | 5.411-04 | 5.413-04 | 5AE-04 | 5AE-04 | 5.413-04 | 5.4E-tg |
| GAMMA-BHC (LINDANE) | 3.011-03 | 1.1E+01 | 2.7E-04 | 2.713-04 | 2.7E-04 | 2.713-04 | 2.7E-04 | 2.713-04 | 2.713-04 |
| LEAD' | 1.8E+00 | 4.013+00 | - | - | | | | - | 4.513-01 |
| MERCURY | 3.811-0 1 | 1.112+01 | 3.513-02 | - | | | | | 3.513-02 |
| MErHYLENE CHLORIDE | 4.013+00 | 1.613+03 | 2.5E-03 | 2.513-03 | 2.5E-03 | 2.5E-03 | 2.5E-03 | 2.513-03 | 2.511-03 |
| MOLYBDENUM | 5.613+0 1 | 1.8E+02 | - | - | | | | 3.1E-01 | 3.111-01 |
| PHENOL | 1.613+01 | 2.213+04 | 7.313-04 | 7.313-04 | 7.3E-04 | 7.3E-04 | 7.3E-04 | 7.3EJ4 | 7.313-04 |
| 9ELENIUM | 2.313+00 | 1.813+02 | - | 1.311-02 | | | | | 1.313-02 |
| THALLIUM | 2.OE+00 | 2.6E+00 | | | | | | 7.8E-01 | 7.8E-01 |
| VANADIUM | 4.013+01 | 2.612+02 | | | | | | 1.613-01 | 1.613-01 |
| ZINC | 8.713+01 | 1. 1 E+04 | 7.913-03 | 7.9E-03 | 7.9E-03 | 7.9E-03 | 7.9E-03 | 7.9E-03 | 7.911-03 |
| | | Hazard Index | 2E-01 | 3E-02 | 2E-02 | 2E-02 | 2E-02-- | 1E+00 | 2E+00 |

SITE 10 LA

| | | | | | | | | | |
|------------------------|------------|--------------|---------|----------|-----------|----------|----------|----------|----------|
| BARIUM and Compounds | 5.8E+0 1 | 2.6E+03 | | 2.3E-02 | | | | | 2.313-02 |
| CADMIUM and Compounds | 1.6E+01 | 1.8E+01 | | | | | | 8.8E-01 | &BE-01 |
| LFAD' | 7.OE+00 | 4.OE+00 | | | | | | | 1.8E+00 |
| NICKEL and Compounds | 1.513+01 | 7.313+02 | | | 2. 1 E-02 | | | | 2.111-02 |
| URANIUM | 4.013+00 | 1. 1 E+02 | | | | | | 3.713-02 | 3.7E-02 |
| VANADIUM | 5.713+00 | 2.611+02 | | | | | | 2.213-02 | 2.213-02 |
| ZINC | 8.013+00 | 1. 1 E+04 | | 7.3E-04 | 7.3E-04 | 7.3 E-04 | 7.313-04 | 7.312-04 | 7.3E-04 |
| | | Hazard Index | 2E-02 | 7F-04 | 2EmO2 | 7E-04 | 7E-04 | 9E-01 | 1t'+OO |
| 2-BUTANONE SITE 13 | -8.013-0 1 | 1.9E+03 | | 4.2E-04 | 4.2E-(W | 4.2E-04 | 4.2E-04 | 4.213-04 | 4.2134)4 |
| ALDRIN | 3.013-02 | 1. 1 E+(X) | | | | 2.7E-02 | | | - |
| ANTIMONY and Compounds | 1.2E+01 | 1.5E+01 | | | | | | | 8.2E-01 |
| AROCLOR-1248' | 1.1E+00 | 7.3E-01 | | - | | | 1.5E+00 | | 1.5E+00 |
| E-ARIUM and Compounds | 1. 1 E+02 | 2.613+03 | | 4.413-02 | | | | | 4.413-02 |
| CADMIUM and Compounds | 1.2E+01 | 1.8E+01 | | | | | | 6.6E-01 | 6.6E-01 |
| CHROMIUM,TOTAL | 1.313+01 | NA | 5.OE+01 | | | | | | |

7613-04

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E 1
 3 4E_O
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m

| | | | | | | | | | |
|------------------------|----------|----------|--|----------|----------|----------|----------|----------|-----------|
| COBALV | 4.2E+01 | 2.213+03 | | | | | | 1.911-02 | 1.913-02 |
| TOPPER and Compounds | 1.413+02 | 1.413+03 | | - | | | | 1.OE4)I | 1.013-01 |
| ENDOSULFAN '10 | 2.313-03 | 2.213+02 | | 1.013-05 | 1.013-05 | 1.013-05 | 1.013-05 | 1.OEmO5 | 1.013-05 |
| LEAD' | 4.9E+01 | 4.OE+00 | | | | | | | 1.2E+01 |
| MERCURY | 2.313-01 | 1.113+01 | | 2.1 E-02 | | | | | 2. 1 E-02 |
| IMOLYBDENUM | 4.6E+O 1 | 1.8E+02 | | | | | | 2.513-01 | 2.5E-01 |
| | | | | | | | | 5.8E-03 | |
| NICKEL (soluble salts) | 4.213+00 | 7.3E+02 | | 5.8E-03 | 5.8E-03 | 5.813-03 | 5.8E-03 | 5.813-03 | ~g5.RE-03 |

Appendix G .
Table 2
Risk Screen Calculations - Hazard
Groundwater - Salton SeaTest Base

| | | | | | | | | | | | |
|------------------------------|----------|---------------------|--------------|--------------|--------------|---------------|--------------|--------------|--------------|----------|----------|
| N-PROPYLBENZENE" | 2.0E-01 | | 1.1 E-02 | - | | | | | | 1.1 | |
| SELENIUM | | 7.9E+(X) | | - | 4.313-02 | | | | | | 4.3 |
| TETRACHLOROETHENE | 8.0E-02 | | 1.311-03 | 1.311-03 | 1.3E-03 | 1.3E-03 | 1.3E-03 | 1.311-03 | 1.3E-03 | 1.3E-03 | |
| THALLIUM | 2.0E+(K) | | | | | | | 7.8E-01 | 7.8E-01 | 7.8E-01 | |
| TOLUENE | 1.3E+01 | 7.2E+02 | 1.8E-02 | - | - | | | - | - | 1.813-02 | |
| 1,2,4-TRIMETHYLBENZENE8 | 2.013+00 | 1.4E+03 | 1.4E-03 | 1.413-03 | 1.413-03 | 1.4E-03 | 1.4E-03 | 1.411-03 | 1.4E-03 | 1.4E-03 | |
| 1,3,5-TRIMETHYLBENZENE' | 5.0E-01 | 1.4E+03 | 3.6E-04 | 3.6E-04 | 3.6E-04 | 3.611-04 | 3.6E-04 | 3.611-04 | 3.6E-04 | 3.611-04 | |
| VANADIUM | | 1.8E+01 | 2.613+02 | | | | | | | 7.0E-02 | 7.0E-02 |
| KYLENES (TOTAL) | 1.2E+01 | 1.413+03 | 8.6E-03 | 8.6E-03 | 8.6E-03 | 8.6E-03 | 8.6E-03 | 8.6E-03 | 8.6E-03 | 8.6E-03 | |
| ZINC | 8.9E+02 | 1.1E+04 | | 8.1 E-02 | | | | | | 8.1 E-02 | |
| | | Hazard Index | 2E-01 | 3E-01 | 1E-02 | 1 E-02 | 5E-02 | 1E+00 | 2E+00 | | |
| SITE 16 | | | | | | | | | | | |
| ACETONE | 6.013+00 | 6.1 E+02 | 9.9E-03 | 9.9E-03 | 9.9E-03 | 9.9E-03 | 9.9E-03 | 9.9E-03 | 9.9E-03 | 9.9E-03 | |
| ANTIMONY and Compounds | 2.0E+00 | 1.513+01 | | 1.411-01 | | | - | - | - | 1.4E-01 | |
| BARIUM and Compounds | 1.7E+01 | 2.6E+03 | 6.7E-03 | 6.7E-03 | 6.7E-03 | 6.7E-03 | 6.713-03 | 6.713-03 | 6.7E-03 | 6.7E-03 | |
| EIS(2-ETHYLHEXYL)PHTRALATE | 2.012+00 | 7.3E+02 | 2.711-03 | 2.7E-03 | 2.713-03 | 2.713-03 | 2.713-03 | 2.7E-03 | 2.713-03 | 2.7E-03 | 2.7E-03 |
| 2-BUTOXYETHOXYETHANOL jsome~ | 5.313+01 | 2.1 E+02 | | | | | | | | 2.5E-01 | 2.5E-01 |
| CADMIUM and Compounds | 1.4E-01 | 1.8E+01 | 7.7E-03 | 7.7E-03 | 7.7E-03 | 7.7E-03 | 7.7E-03 | 7.711-03 | 7.7E-03 | 7.7E-03 | |
| COBALT4 | 8.0E+00 | 2.2E+03 | 3.7E-03 | 3.713-03 | 3.7E-03 | 3.7E-03 | 3.7E-03 | 3.7E-03 | 3.7E-03 | 3.7E-03 | |
| ZWPER and Compounds | 2.1E+01 | 1.4E+03 | | - | | | 1.511-02 | | | 1.5E-02 | |
| LEAD' | 1.3E+00 | 4.0E+00 | | | | | - | | | 3.3E-01 | |
| MERCURY | | 5.4E-01 | 1.1E+01 | 4.9E-02 | | | | | | 4.9E-02 | |
| MOLYBDENUM | 7.0E+01 | 1.8E+02 | | - | | | | 3.8E-01 | 3.8E-01 | 3.813-01 | |
| PHENOL | 1.611+01 | 2.213+04 | 7.3E-04 | 7.313-04 | 7.3E-04 | 7.3E-04 | 7.3E-04 | 7.3E-04 | 7.3E-04 | 7.3E4A | |
| SELENIUM | | 1.3E+01 | 1.8E+02 | | 7.2E-02 | | | | | 7.213-02 | |
| THALLIUM | 3.6E.+00 | 2.61+00 | | - | | | | 1.4E.+00 | 1.4E.+00 | 1.4K+00 | |
| TOLUENE | 2.0E+(X) | 7.2E+02 | 2.8E-03 | 2.811-03 | 2.8E-03 | 2.8E-03 | 2.8E-03 | 2.813-03 | 2.8E-03 | 2.8E-03 | |
| VANADIUM | | 8.6E+00 | 2.6E+02 | | - | | | | | 3.411-02 | 3.411-02 |
| ZINC | 9.3E+01 | 1.1 E+04 | 8.5E-03 | 8.5E-03 | 8.5E-03 | 8.5E-03 | 8.5E-03 | 8.5E-03 | 8.5E-03 | 8.511-03 | |
| | | Hazard Index | 9E-02 | 3E-01 | 4E-02 | 4E-02 | 6E-02 | 2E+00 | 2E+00 | | |
| SITE 17 | | | | | | | | | | | |
| ACETONE | 5.013+00 | 6.1 E+02 | 8.213-03 | 8.213-03 | 8.2E-03 | 8.2E-03 | 8.213-03 | 8.2E-03 | 8.2E-03 | 8.211-03 | |
| BARIUM and Compounds | 3.4E+02 | 2.6E+03 | 1.312-01 | - | | | - | | | 1.3E-01 | |
| 2-BUTOXYETHOXYETHANOL isomW | 6.213+01 | 2.1 E+02 | | - | | | | | | 3.0E-01 | 3.013-01 |
| CADMIUM and Compounds | 3.4E+00 | 1.8E+01 | | | | | | 1.911-01 | 1.9E-01 | 1.9E-01 | |
| CHROMIUM, TOTAL | 4.3E+01 | NA | 5.0E+01 | | -- | | | - | - | | |
| COBALT" | 9.411+00 | 2.2E+03 | 4.3E-03 | 4.3E-03 | 4.311-03 | 4.3E-03 | 4.3E-03 | 4.3E-03 | 4.3E-03 | 4.3E-03 | |
| COPPER and Compounds | 4.0E+01 | 1.4E+03 | | | - | - | 3.013-02 | | | 3.0E-02 | |
| JETHYLBENZENE | 3.0E+00 | 1.3E+03 | 2.2E-03 | 2.2E-03 | 2.213-03 | 2.213-03 | 2.2E-03 | 2.2E-03 | 2.2E-03 | 2.211-03 | |

**Appendix G .
Table 2
Risk Screen Calculations - Hazard
Groundwater - Salton Sea Test Base**

| | | | | | | | | | | |
|-------------------------------|----------|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| LEAD' | 7.6F+00 | 4.OE+00 | | | | | | | | 1.9E+00 |
| MERCURY | 2.3E-01 | 1.IE+01 | 2. 1 E-02 | | | | | | | 2. 1 E-02 |
| METHYLENE CHLORIDE | 1.OE+00 | 1.6E+03 | 6.3E-04 | 6.3E-04 | | 6.3E-04 | 6.3E-04 | 6.3E-04 | 6.3E-04 | 6.3E44 |
| MOLYBDENUM | 5.3E+01 | 1.8E+02 | | | | | | 2.9E-0 I | | 2.9E-0 I |
| NICKEL (soluble salts) | 3.2E+01 | 7.3E+02 | | - | 4.4E-02 | | | | | 4.4E42 |
| PHENOL | 3.5E+01 | 2.212+04 | 1.6E-03 | 1.613-03 | 1.613-03 | 1 kE-03 | 1.6E-03 | 1.6E-03 | 1.6E-03 | 1.6E-03 |
| SELENIUM | 7.8E+00 | 1.8E+02 | | 4.3E-02 | - | | | | | 4.3E-02 |
| THALLIUM | 1.OE+01 | 2.6E+00 | | | | | | 4.OF+00 | | 4.OF+00 |
| TOLUENE | 1.IE+01 | 7.2E+02 | 1.5E-02 | | | | | | | 1.5E-02 |
| VANADIUM | 6.2E+01 | 2.6E+02 | - | | | | | 2.4E-0 I | | 2AE-01 |
| XYLENES(TOTAL) | 1.5E+01 | 1.4E+03 | 1.013-02 | | | | | | | 1.013-02 |
| ZINC | 2.8E+02 | 1.IE+04 | - | 2.6E-02 | | | | | | 2.6E-02 |
| | | Hazard Index | 2E-01 | 9E-02 | W-02 | 2E-02 | - 5E-02 | 5E+(X1) | | 5E+00 |
| SITE 18 | | | | | | | | | | |
| ACETONE | 1.6E+01 | 6. 1 E+02 | 2.6E-02 | | | | | | | 2.6E-02 |
| ANTIMONY wid Compounds | 1.5E+00 | 1.5E+01 | | 1.OE-01 | | | | | | LOE-01 |
| ARSENIC | 6.513+00 | 1.113+01 | | - | | | 5.9E-01 | | | 5.9E-0 I |
| BARIUM and Compounds | 2.4E+01 | 2.615+03 | 9AE-03 1 | 9.413-03 | 9.4E-03 | 9AE-03 | 9.413-03 | 9.4E-03 | | 9AE-03 |
| BIS(2-ETHYLHEXYL)PHTHALATE | 8.013+00 | 7.313+02 | | | | | 1. 1 E-02 | | | 1. 1 E-02 |
| 2-BUTOXYETHOXYETHANOL isomer' | 4.113+01 | 2. 1 E+02 | | - | | - | | 2.013-01 | | 2.OE-01 |
| BUTYLBENZYLPHthalate | 7.OE-0 I | 7.3E+03 | 9.6E-05 | 9.6E-05 | 9.6E-05 | 9.613-05 | 9.6E-05 | 9.6E-05 | 9.6E-05 | 9.6E-05 |
| CADMIUM and Compounds | 4.2E+00 | 1.8E+01 | | | | - | | 2.3E-01 | | 2.3E-01 |
| CHROMIUM,TOTAL | 2.2E+01 | NA | 5.OE+01 | | | | | | | |
| COBAL,r4 | 1.9E+01 | 2.2E+03 | 8.6E-03 | 8.6E-03 | 8.6E-03 | 8.6E-03 | 8.6E-03 | 8.6E-03 | 8.6E-03 | 8.6E-03 |
| COPPER and Com(x)unds | 6.OE+01 | 1.4E+03 | | - | 1 | - | 4AE-02 | - | | 4.4E-02 |
| ENDOSULFAN 10 | 3.5E-03 | 2.213+02 | 1.6E-05 | 1.6E-05 | 1.6E-05 | 1.6E-05 | 1.6E-05 | 1.613-05 | 1.612-05 | 1.612-05 |
| GAMMA-BHC (LINDANE) | 1-613-03 | 1.113+01 | 1.5E-04 | 1.5E-04 | 1.513-04 | 1.5E-04 | 1.5E49 | 1.5E4A | 1.5E-04 | 1.5E-04 |
| HEPTACHLOR 2. 1 E-03 | 1.8E+01 | | 1.2E-04 | 1.2E-04 | | 1.2E-04 | 1.2E-04 | 1.2E-04 | 1.2E-04 | 1.213-04 |
| LEAD' | 1.8E+00 | 4.OE+00 | | | | | | | | 4.513-01 |
| MERCURY | LOE-01 | 1.113+01 | 9.1 E-03 | 9. 1 E-03 | 9. 1 E-03 | 9. 1 E-03 | 9. 1 E4)3 | 9. 1 E-03 | 9. 1 E-03 | 9. 1 E-03 |
| MOLYBDENUM | 9.5E+01 | 1.813+02 | - | | | | | 5.213-01 | 5.2E-01 | 5.2E-01 |
| PHENOL | 2.8E+01 | 2.2E+04 | 1.313-03 | 1.3E-03 | 1.3E-03 | 1.3E-03 | 1.3E-03 | 1.313-03 | 1.3E-03 | 1.3E-03 |
| SELENIUM | 2.4E+01 | 1.8E+02 | - | 1.3E-01 | | | | - | | 1.3E-01 |
| SILVER and Compounds | 6.3E+(X) | 1.8E+02 | | | | 3.512-02 | | | | 3.5E-02 |
| THALLIUM | 1.OE+01 | 2.6E+00 | | | | | | 4.1E+00 | 4.1E+00 | 4.1E+00 |
| VANADIUM | 1.213+01 | 2.6E+02 | | | | | | 4.813-02 | 4.8E-02 | 4.8E-02 |
| XYLENES(TOTAL) | 2.OE-01 | 1.4E+03 | 1.4E-04 | 1.4E-04 | 1.4E-04 | 1.4E-04 | 1.4E-04 | 1.4E-04 | 1.4E-04 | 1.4E-04 |
| ZINC | 7.OE+01 | 1. 1 E+04 | 6.413-03 | 6.4E-03 | 6AE-03 | 6.4E-03 | 6AE-03 | 6.4E-03 | 6.4E-03 | 6.4E-03 |
| | | Hazard Index | 6E-02 | 3E-01 | 4E-02 | 7E-02 | 7E-01 | 5E+00 | | 6F-W |

Appendix G
Table 2
**Risk Screen Calculations - Hazard
Groundwater - Salton Sea Test Base**

x0"

| | | | |
|--------------------------------|-----------|--------------|----------------|
| SITE 19 | | | |
| ACE17ONE | 9.OE+00 | 6. 1 E+02 | |
| ALPHA-CHLORDANE12 | 2.613-03 | 2.211+00 | 1.213-03 |
| BARIUM and Compounds | 4.8E+01 | 2.613+03 | 1.913-02 |
| 2-BUTOXYETHOXYETHANOL isomer' | 2.3E+01 | 2.1 E+02 | LIE-01 |
| CHROMIUM,TOTAL | 4. 1 E+00 | NA | <i>5.OE+01</i> |
| COBALT' | 7.9E+00 | 2.2E+03 | 3.6E-03 |
| COPPER and Comfx)unds | IAE+01 | 1.413+03 | 1.OE4)2 |
| ENDRIN | 5.3E-03 | 1.IE+01 | 4.8E-04 |
| LEAD' | 4.3E+00 | 4.OE+00 | 1.IE+00 |
| MOLYBDENUM | 6.4E+01 | 1.812+02 | 3.5E-01 |
| PHENOL | 1.6E+01 | 2.2E+04 | 7.3E-04 |
| SELENIUM | 3.6E+00 | 1.813+02 | 2.013-02 |
| SILVER and Compounds | 5.OE+00 | 1.813+02 | 2.713-02 |
| VANADIUM | 1.IE+01 | 2.613+02 | 4.3E-02 |
| ZINC | 1.8E+02 | 1.IE+04 | 1.713-02 |
| | | Hazard Index | 6E-01 |
| SITE 23A | | | |
| ACETONE | 1.012+00 | 6. 1 E+02 | 1.6E-03 |
| BARIUM and Comimunds | 1.113+01 | 2.6E+03 | 1.2E-02 |
| 2-13UTOXYETHOXYETHANOL isomer' | 5.313+01 | 2.1 E+02 | 2.513-0 1 |
| CHROMIUM,TOTAL | 1.213+01 | NA | <i>5.OE+01</i> |
| COBALT4 | 1.213+01 | 2.2E+03 | 5.513-03 |
| COPPER and Compowids | 3.6E+01 | 1.413+03 | 2.6E-02 |
| DI-N-BUTYLPHTHALATE | 6.OE+00 | 3.713+03 | 1.6E-03 |
| GAMMA-BHC (LINDANE) | 9.013-04 | 1.IE+01 | 8.213-05 |
| GAMMA-CHLORDANE 12 | 7.013-04 | 2.2E+00 | 3.2E-04 |
| LEAD' | 7.5E+00 | 4.OE+00 | 1.9E+00 |
| MOLYBDENUM | 5.013+01 | 1.8E+02 | 2.713-0 1 |
| NAPHTHALENE | 5.OE-01 | 2.413+02 | 2. 1 E-03 |
| PHENOL | 2.9E+01 | 2.2E+04 | 1.313-03 |
| SELENIUM | 9.012+00 | 1.813+02 | 4.913-02 |
| VANADIUM | 3.6E+00 | 2.613+02 | 1.413-02 |
| ZINC | 1.413+02 | 1. 1 E+04 | 1.3E-02 |
| | | Hazard Ind | 7E-01 |
| SITE 25 | | | |
| ACETONE | 3.OE+00 | -6.!E+02 | 4.913-03 |
| ARSENIC | 2.6E+00 | 1.IE+01 | 2AE-01 |
| BARIUM and Compounds | 3.8E+01 | 2.6E+03 | 1.513-02 |

Appendix G
Table 2
Risk Screen Calculations - Hazard
Groundwater - Salton Sea Test Base

| BENZENE | 2.0E-01 | 1.0E+01 | | | | | | | | 2.0E-02 |
|------------------------------|----------|--------------|-------------|----------|----------|----------|----------|----------|----------|----------|
| N-BUTYLBENZENE" | 6.013-02 | 1.9E+01 | | | | | | | | 3.2F-03 |
| 2-BUTOXYETHOXYETHANOL isome~ | 4.0E+01 | 2.1E+02 | | | | | | | | 1.9E-01 |
| 2-BUTOXYETHOXYETHANOL ACET' | 2.0E+00 | 2.1E+02 | | | | | | | | 9.5E-03 |
| BUTYLBENZYLPHTHALATE | 2.013+00 | 7.3E+03 | | | | | | | | 2.7E4X |
| CARBON DISULFIDE | 6.0E-01 | 2.113+01 | | | | | | | | 2.9E-02 |
| 1,3-DICHLOROENZENE | 4.011-02 | 1.8E+02 | | | | | | | | 2.2E-04 |
| ENDOSULFAN 1'0 | 3.7E-03 | 2.2E+02 | | | | | | | | 1.7E-05 |
| ENDOSULFAN 11" | 2.3E-03 | 2.2E+02 | | | | | | | | LIE-05 |
| ENDRIN ALDEHYDE 13 | 1.4E-02 | LIE+01 | | | | | | | | 1.311-03 |
| ENDRIN | 1AE-03 | LIE+01 | | | | | | | | 1.3E-04 |
| ETHYLBENZENF | 3.0E-01 | 1.311+03 | | | | | | | | 2.2E-04 |
| LEAD' | 1.513+00 | 4.0E+00 | | | | | | | | 3.8E-01 |
| MOLYBDENUM | 2.2E+01 | 1.811+02 | | | | | | | | 1.2E-01 |
| PHENOL | 3.8E+01 | 2.2E+04 | | | | | | | | 1.713-03 |
| TOLUENE | 4.0E+00 | 7.2E+02 | | | | | | | | 5.5E-03 |
| -1,2,4-TRIMETHYLBENZENE' | 6.011-01 | 1.4E+03 | | | | | | | | 4.3E-(A |
| 1,3,5-TRIMETHYLBENZENE8 | LOE-01 | 1.4E+03 | | | | | | | | 7.1E-05 |
| VANADIUM | 5.013+00 | 2.611+02 | | | | | | | | 2.0E-02 |
| XYLENES (TOTAL) | 3.0E+00 | 1.4E+03 | | | | | | | | 2.1E-03 |
| ZINC | 1.5E+01 | 1.1E+04 | | | | | | | | 1.413-03 |
| | | Hazard Index | | | | | | | | 7E-01 |
| Background Wells | | | | | | | | | | |
| 2-BUTANONE | 1.7E+01 | 1.9E+03 | 8.913-03 | 8.9E-03 | 8.9E-03 | 8.9E-03 | 8.9E-03 | 8.913-03 | 8.9E-03 | 8.9E-03 |
| ACETONE | LIE+01 | 6.1E+02 | 1.8E-02 | - | - | - | - | - | - | 1.8E-02 |
| ALDRIN | 3.1E-03 | LIE+00 | 2.8E-03 | 2.811-03 | 2.8E-03 | 2.8E-03 | 2.8E-03 | 2.8E-03 | 2.8E-03 | 2.8E-03 |
| ANTIMONY and Compounds | 2.013+00 | 1.511+01 | | | | | | | | 1AE-01 |
| BARIUM and Comfmnds | 2.5E+02 | 2.611+03 | 9.7E-02 | | | | | | | 9.7E-02 |
| 2-BUTOXYETHOXYETHANOL isome? | 6.4E+01 | 2.1E+02 | | | | | | 3.0E-01 | | 3.0E-01 |
| CADMIUM and Com[K]unds | 4.4E+00 | 1.8E+01 | - | | | | | 2AE-01 | | 2.4E-01 |
| CAPROLACTAM | 4.1E+01 | 1.8E+04 | 2.311-03 | 2.3E-03 | 2.3E-03 | 2.3E-03 | 2.313-03 | 2.3E-03 | 2.3E-03 | 2.3E-03 |
| CHLOROFORM | 3.0E-01 | 6.111+01 | 4.9E-03 | 4.913-03 | 4.913-03 | 4.9E-03 | 4.9E-03 | 4.9E-03 | 4.9E-03 | 4.9E-03 |
| CHROMIUM,TOTAL | 4.2E+02 | NA | 5.0E+01 | | | | | | | |
| COBALT6 | 1.3E+01 | 2.2E+03 | 6.1E-03 | 6.1E-03 | 6AE-03 | 6JE-03 | 6.111-03 | 6.1E-03 | 6.1E-03 | 6.1E-03 |
| COPPER and Compounds | 7.6E+01 | 1.4E+03 | - | | | | 5.6E-02 | | | 5.6E-02 |
| DDT | 8.0E-03 | 1.813+01 | 4.411-04 | 4.4E-04 | 4AE-04 | 4.413-04 | 4.4E-04 | 4AE-04 | 4AE-04 | 4.4E-04 |
| DI-N-BUTYLPHTHALATE | 2.513+01 | 3.7E+03 | 6.8E-03 | 6.8E-03 | 6.8E-03 | 6.8E-03 | 6.8E-03 | 6.8E-03 | 6.8E-03 | 6.8E-03 |
| 1,2-DICHLOROETHANE | LOE-01 | 1.713+01 | 5.9E-03 | 5.9E-03 | 5.9E-03 | 5.913-03 | 5.913-03 | 5.913-03 | 5.913-03 | 5.913-03 |
| DIELDRIN | 4.1E-03 | 1.8E+00 | 23E-032-3EW | | 2.3E-03 | 2.313-03 | 2.3E-03 | 2.311-03 | 2.311-03 | 2.313-03 |
| DIETHYL PHTALATE | 2.013+00 | 2.9E+04 | 6.9E-05 | 6.913-05 | 6.911-05 | 6.9E-05 | 6.9E-05 | 6.9E-05 | 6.9E-05 | 6.9E-05 |

Appendix G
Table 2
Risk Screen Calculations - Hazard
Groundwater - Salton Sea Test Base

| | | | | | | | | | | | |
|------------------------|-----------|--------------|---|-----------|----------|----------|---|----------|----------|----------|-----------|
| | 2.013+00 | 1.3E+03 | 1 | 1.513-03 | 1.513-03 | 1.513-03 | 1 | 1.513-03 | 1.513-03 | 1.513-03 | 1.5E4)3 |
| | 3.3E+01 | 4.0E+00 | | | | | | | | | 8.3E+00 |
| MERCURY | 3.713-01 | 1.113+01 | | 3.413-02 | | | | | | | 3.413-02 |
| METHOXYCHLOR | 2.413-02 | 1.8E+02 | | 1.313 0-4 | 1.313-04 | 1.313-04 | | 1.313-04 | 1.313-04 | 1.3E-04 | 1.3EJ)4 |
| MOLYBDENUM | 8.4E+01 | 1.8E+02 | | | | - | | | | 4.6E-01 | 4.6E-01 |
| NAPHTHALENE | 8.0E-6f | 2.413+02 | | 3.312-03 | 3.3E-03 | 3.313-03 | | 3.313-03 | 3.313-03 | 3.312-03 | 3.313-03 |
| NICKEL (soluble salts) | 2.213+02 | 7.3E+02 | | - | | 3.1E-01 | | - | - | - | 3.113-01 |
| PHENOL | 4.3E+01 | 2.213+04 | | 2.0E-03 | 2.0E-03 | 2.013-03 | | 2.0E-03 | 2.0E-03 | 2.0E-03 | 2.013-03 |
| SELENIUM | 4.913+0 1 | 1.813+02 | | | 2.7E-0 1 | - | | - | | | 2.713-0 1 |
| SILVER and Comlx)unds | 7.3E+W | 1.8E+02 | | | | | | 4.013-02 | | | 4 0E-02 |
| THALLIUM | 5.0E+00 | 2.6E+00 | | | | | | | | 1'.0E+00 | 2.0E+00 |
| TOLUENE | 6.0E+00 | 7.213+02 | | 8.3E-03 | 8.3E-03 | 8.3E-03 | | 8.3E-03 | 8.3E-03 | 8.3E-03 | 8.3E-03 |
| VANADIUM | 4.4E+01 | 2.6E+02 | | | | | | - | | 1.7E-01 | 1.7E-01 |
| XYLENES(TOTAL) | 8.0E+00_ | 1.413+03 | | 5.6E-03 | 5.6E-03 | 5.6E-03 | | 5.6E-03 | 5.613-03 | 5.6E-03 | 5.6E-03 |
| ZINC | 7.513+02 | 1. 1 E+04 | | | 6.8E-02 | | | - | | - | 6.8E-02 |
| | | Hazard Index | | 2E-01 | 5E-01_ | 4E-01 | | 1E-01 | 1E-01 | 3E+00 | 4E+00 |

¹Units in ug/L

²Hazard Residemi,il =(niax. conc.)/(PRGnc value, Residential, Chronic), Chemicals were classified based on Casarell and Doull's Toxicology and Principles and Methods of Toxicology.

³HQ = Hazard Quotient

⁴Dominant Risk Drivers highlighted in bold

⁵TIC (Tentatively I ndentified Compound) - PRG for diethylene glycol, monobutyl ether (i.e., 2-butoxyethoxyethanol) used for 2-butoxyethoxyethanol isomer and acetate

⁶Cobalt was classified as causing kidney effects for simplicity but chronic high level oral exposures have caused goiter.

Epidemiologic studies suggest that the incidence of goiter is higher in regions containing increased levels of cobalt in water and soil (Casarett and Doull 1993).

Lead is not included in HI because PRG for lead is not based on toxic effects, but on an indicator (blood level) of possible effects

⁸PRG for xylenes ((otal) used as surrogate PRG for 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene

~2 ~OE+

1 ~EAW

⁹PRG for Aroclor 1254 used as surrogate PRG for Aroclor 1248

¹⁰PRG for endosullan used as surrogate PRG for endosuffan I and endosulfan 11

¹¹PRG for cumene used as surrogate PRG for N-propylbenzene and N-butylbenzene

¹²PRG for chlordane used as surrogate PRG for alpha- and gamma-chlordane

¹³PRG for endrin used as surrogate PRG for endrin aldehyde

NA: No(Availabl,

:- Not Applicable

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