

Table 3.4
Summary of Assembled Remedial Alternatives
Pemaco Superfund Site
Maywood, California

SURFACE AND NEAR SURFACE SOIL REMEDIATION ZONE
(ZERO – 3 FEET BGS)

| No. | Remedial Alternatives | <i>Ex-Situ</i> Treatment Required? |
|-----|---------------------------------|--|
| | | |
| N1 | No Action* | No |
| N2 | Soil Cover/Revegetation | No |
| N3 | Excavation and Offsite Disposal | No |

UPPER VADOSE SOIL AND PERCHED GROUNDWATER REMEDIATION ZONE
(3 – 35 FEET BGS)

| No. | Remedial Alternatives | <i>Ex-Situ</i> Treatment Required? |
|------|---|--|
| SP1 | No Action* | No |
| SP2a | High-Vacuum Dual-Phase Extraction/ Ultraviolet Oxidation/ Flameless Thermal Oxidation/ Granular Activated Carbon | Yes |
| SP2b | High-Vacuum Dual-Phase Extraction/ Ultraviolet Oxidation/ Granular Activated Carbon | Yes |
| SP3 | <i>In-situ</i> Chemical Oxidation | No |
| SP4 | Enhanced <i>In-situ</i> Bioremediation | No |
| SP5 | Monitored Natural Attenuation | No |

Table 3.4 (cont'd)
Summary of Remedial Alternatives and Treatment Options
Pemaco Superfund Site, Maywood, California

LOWER VADOSE SOIL AND EXPOSITION GROUNDWATER REMEDIATION ZONE
(35 –110 FEET BGS)

| No. | Remedial Alternatives | <i>Ex-Situ</i> Treatment Required? |
|------|---|--|
| SG1 | No Action* | No |
| SG2 | <i>In-situ</i> Chemical Oxidation/ <i>In-situ</i> Chemical Reduction/ Groundwater Pump and Treat/ Monitored Natural Attenuation/ Ultraviolet Oxidation | Yes |
| SG3 | Enhanced <i>In-situ</i> Bioremediation/ Groundwater Pump and Treat/ Monitored Natural Attenuation/ Ultraviolet Oxidation | Yes |
| SG4a | Vacuum-Enhanced Groundwater Extraction/Groundwater Pump and Treat/ Monitored Natural Attenuation/ Ultraviolet Oxidation/ Flameless Thermal Oxidation/ Granular Activated Carbon | Yes |
| SG4b | Vacuum-Enhanced Groundwater Extraction/ Groundwater Pump and Treat/ Monitored Natural Attenuation/ Ultraviolet Oxidation/ Granular Activated Carbon | Yes |
| SG5a | Electrical Resistance Heating With Vapor Extraction/ Vacuum-Enhanced Groundwater Extraction/ Groundwater Pump and Treat/ Monitored Natural Attenuation Ultraviolet Oxidation/ Flameless Thermal Oxidation/ Granular Activated Carbon | Yes |
| SG5b | Electrical Resistance Heating With Vapor Extraction/ Vacuum-Enhanced Groundwater Extraction/ Groundwater Pump and Treat/ Monitored Natural Attenuation Ultraviolet Oxidation/ Granular Activated Carbon | Yes |

* SUMMARY OF "NO ACTION" ALTERNATIVES

The "No Action" alternative is included to provide a baseline for evaluation of the remedial process options, as required by the National Contingency Plan (NCP). The No Action alternative does not involve any proactive treatment, removal, or monitoring of the contaminated media.