



Appendix A-LNAPL Technologies Appendix

Click on the links below to open the individual tables in Adobe PDF format.

Excavation A-1

Table A-1-A. Excavation

Table A-1-B. Evaluation factors for Excavation

Table A-1-C. Technical implementation considerations for Excavation

Skimming A-2

Table A-2-A. Skimming

Table A-2-B. Evaluation factors for Skimming

Table A-2-C. Technical implementation considerations for Skimming

Vacuum Enhanced Skimming A-3

Table A-3-A. Vacuum Enhanced Skimming

Table A-3-B. Evaluation factors for Vacuum Enhanced Skimming

Table A-3-C. Technical implementation considerations for Vacuum Enhanced Skimming

Table A-3. Illustrations

Total Fluid Extraction A-4

Table A-4-A. Total Fluid Extraction

Table A-4-B. Evaluation factors for Total Fluid Extraction

Table A-4-C. Technical implementation considerations for Total Fluid Extraction

Table A-4. Illustrations

Multi-Phase Extraction A-5

Table A-5-A. Multi-Phase Extraction

Table A-5-B. Evaluation factors for Multi-Phase Extraction

Table A-5-C. Technical implementation considerations for Multi-Phase Extraction

Table A-5. Illustrations

Water Flooding A-6

Table A-6-A. Water Flooding

Table A-6-B. Evaluation factors for Water Flooding

Table A-6-C. Technical implementation considerations for Water Flooding

Surfactant-Enhanced Subsurface Remediation (SESR) A-7

Table A-7-A. SESR

Table A-7-B. Evaluation factors for SESR

Table A-7-C. Technical implementation considerations for SESR

Cosolvent Flushing A-8

Table A-8-A. Cosolvent Flushing

Table A-8-B. Evaluation factors for Cosolvent Flushing

Table A-8-C. Technical implementation considerations for Cosolvent Flushing

Steam Injection A-9

Table A-9-A. Steam Injection

Table A-9-B. Evaluation factors for Steam Injection

Table A-9-C. Technical implementation considerations for Steam Injection

Thermal Conduction Heating A-10

Table A-10-A. Thermal Conduction Heating

Table A-10-B. Evaluation factors for Thermal Conduction Heating

Table A-10-C. Technical implementation considerations for Thermal Conduction Heating

Electrical Resistance Heating A-11

Table A-11-A. Electrical Resistance Heating

Table A-11-B. Evaluation factors for Electrical Resistance Heating

Table A-11-C. Technical implementation considerations for Electrical Resistance Heating

In-Situ Combustion Smoldering A-12

Table A-12-A. In-Situ Combustion Smoldering

Table A-12-B. Evaluation factors for In-Situ Combustion Smoldering

Table A-12-C. Technical implementation considerations for In-Situ Combustion Smoldering

Air Sparging/Soil Vapor Extraction A-13

Table A-13-A. AS-SVE

Table A-13-B. Evaluation factors for AS-SVE

Table A-13-C. Technical implementation considerations for AS-SVE

Bioventing/Biosparging A-14

Table A-14-A. Bioventing/Biosparging

Table A-14-B. Evaluation factors for Bioventing/Biosparging

Table A-14-C. Technical implementation considerations for Bioventing/Biosparging

In-situ Chemical Oxidation (ISCO) A-15

Table A-15-A. ISCO

Table A-15-B. Evaluation factors for ISCO

Table A-15-C. Technical implementation considerations for ISCO

Enhanced Anaerobic Biodegradation A-16

Table A-16-A. Enhanced Anaerobic Biodegradation

Table A-16-B. Evaluation factors for Enhanced Anaerobic Biodegradation

Table A-16-C. Technical implementation considerations for Enhanced Anaerobic Biodegradation

Natural Source Zone Depletion (NSZD) A-17

Table A-17-A. NSZD

Table A-17-B. Evaluation factors for NSZD

Table A-17-C. Technical implementation considerations for NSZD

Activated Carbon A-18

Table A-18-A. Activated Carbon

Table A-18-B. Evaluation factors for Activated Carbon

Table A-18-C. Technical implementation considerations for Activated Carbon

Phytotechnology A-19

Table A-19-A. Phytotechnology

Table A-19-B. Evaluation factors for Phytotechnology

Table A-19-C. Technical implementation considerations for Phytotechnology

Physical or Hydraulic Containment A-20

Table A-20-A. Physical or Hydraulic Containment

Table A-20-B. Evaluation factors for Physical or Hydraulic Containment

Table A-20-C. Technical implementation considerations for Physical or Hydraulic Containment

In-situ Soil Mixing A-21

Table A-21-A. In-situ Soil Mixing

Table A-21-B. Evaluation factors for In-situ Soil Mixing

Table A-21-C. Technical implementation considerations for In-situ Soil Mixing