

Appendix E

Works Cited

A "PB" publication number in parentheses indicates that the document is available from the National Technical Information Service (NTIS), 5285 Port Royal Road, Springfield, VA 22161, (703-487-4650).

Landfill and Illegal Dump Sources

Center for Public Environmental Oversight. 1998. Landfill Caps and Enhancements.

<http://www.cpeo.org/techtree/ttdescript/lancap.htm>

Energy Efficiency and Renewable Energy Network. 2000. How Landfill Gas to Electricity Works.

http://www.eren.doe.gov/citie_counties/landfill1.html

Ewall, Mike. 1999. Primer on Landfill Gas as "Green" Energy. Pennsylvania Environmental Network.

<http://www.penweb.org/issues/energy/green4.html>

Federal Remediation Technologies Roundtable. 2000.

Landfill Cap. http://www.frtr.gov/matrix2/section4/4_30.html

Site Assessment

ASTM. 1997. Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. American Society for Testing Materials (ASTM E1527-97).

ASTM. 1996. Standard Practice for Environmental Site Assessments: Transaction Screen Process. American Society for Testing Materials (ASTM E1528-96).

ASTM. 1995. Guide for Developing Conceptual Site Models for Contaminated Sites. American Society for Testing and Materials (ASTM E1689-95).

ASTM. 1995. Provisional Standard Guide for Accelerated Site Characterization for Confirmed or Suspected Petroleum Releases. American Society for Testing and Materials (ASTM PS3-95).

Data Quality Objectives Process for Hazardous Waste Site Investigations (EPA 2000)

Go-Environmental Solutions. N.D. <http://www.gesolutions.com/assess.htm>.

Geoprobe Systems, Inc. 1998. Rental Rate Sheet. September 15.

Robbat, Albert, Jr. 1997. Dynamic Workplans and Field Analytics: The Keys to Cost Effective Site Characterization and Cleanup. Tufts University under Cooperative Agreement with the U.S. Environmental Protection Agency. October.

U.S. EPA. 2000. Assessing Contractor Capabilities for Streamlined Site Investigations (EPA/542-R-00-001)

U.S. EPA. 1999. Cost Estimating Tools and Resources for Addressing Sites Under the Brownfields Initiative (EPA/625/R-

99-001)

U.S. EPA. 1997. Expedited Site Assessment Tools for Underground Storage Tank Sites: A Guide for Regulators and Consultants (EPA 510-B-97-001).

U.S. EPA. 1997. Field Analytical and Site Characterization Technologies, Summary of Applications (EPA-542-R-97-011).

U.S. EPA. 1997. Road Map to Understanding Innovative Technology Options for Brownfields Investigation and Cleanup. OSWER. (PB97-144810).

U.S. EPA. 1997. The Tool Kit of Technology Information Resources for Brownfields Sites. OSWER. (PB97-144828).

U.S. EPA. 1996. Consortium for Site Characterization Technology: Fact Sheet (EPA 542-F-96-012).

U.S. EPA. 1996. Field Portable X-Ray Fluorescence (FPXRF), Technology Verification Program: Fact Sheet (EPA 542-F-96-009a).

U.S. EPA. 1996. Portable Gas Chromatograph/Mass Spectrometers (GC/MS), Technology Verification Program: Fact Sheet (EPA 542-F-96-009c).

U.S. EPA. 1996. Site Characterization Analysis Penetrometer System (SCAPS) LIF Sensor (EPA 540-MR-95-520, EPA 540 R-95-520).

U.S. EPA. 1996. Site Characterization and Monitoring: A Bibliography of EPA Information Resources (EPA 542-B-96-001).

U.S. EPA. 1996. Soil Screening Guidance (540/R-96/128).

U.S. EPA. 1995. Clor-N-Soil PCB Test Kit L2000 PCB/Chloride Analyzer (EPA 540-MR-95-518, EPA 540-R-95-518).

U.S. EPA. 1995. Contract Laboratory Program: Volatile Organics Analysis of Ambient Air in Canisters Revision VCAA01.0 (PB95-963524).

U.S. EPA. 1995. Contract Lab Program: Draft Statement of Work for Quick Turnaround Analysis (PB95-963523).

U.S. EPA. 1995. EnviroGard PCB Test Kit (EPA 540-MR-95-517, EPA 540-R-95-517).

U.S. EPA. 1995. Field Analytical Screening Program: PCB Method (EPA 540-MR-95-521, EPA 540-R-95-521).

U.S. EPA. 1995. PCB Method, Field Analytical Screening Program (Innovative Technology Evaluation Report) (EPA 540-R-95-521, PB96-130026); Demonstration Bulletin (EPA 540-MR-95-521).

U.S. EPA. 1995. Profile of the Iron and Steel Industry (EPA 310-R-95-005).

U.S. EPA. 1995. Rapid Optical Screen Tool (ROST™) (EPA 540-MR-95-519, EPA 540-R-95-519).

U.S. EPA. 1995. Risk Assessment Guidance for Superfund.

<http://www.epa.gov/ncepihom/>

<Catalog/EPA540R95132.html>.

U.S. EPA. 1994. Assessment and Remediation of Contaminated Sediments (ARCS) Program (EPA 905-R-94-003).

U.S. EPA. 1994. Characterization of Chromium-Contaminated Soils Using Field-Portable X-ray Fluorescence (PB94-210457).

U.S. EPA. 1994. Development of a Battery-Operated Portable Synchronous Luminescence Spectrofluorometer (PB94-170032).

U.S. EPA. 1994. Engineering Forum Issue: Considerations in Deciding to Treat Contaminated Unsaturated Soils In Situ (EPA 540-S-94-500, PB94-177771).

U.S. EPA. 1994. SITE Program: An Engineering Analysis of the Demonstration Program (EPA 540-R-94-530).

U.S. EPA. 1993. Data Quality Objectives Process for Superfund (EPA 540-R-93-071).

U.S. EPA. 1993. Conference on the Risk Assessment Paradigm After 10 Years: Policy and Practice, Then, Now, and in the Future.

<http://www.epa.gov/ncepihom/Catalog/EPA600R93039.html>.

U.S. EPA. 1993. Guidance for Evaluating the Technical Impracticability of Ground Water Restoration. OSWER directive (9234.2-25).

U.S. EPA. 1993. Guide for Conducting Treatability Studies Under CERCLA: Biodegradation Remedy Selection (EPA 540-R-93-519a, PB94-117470).

U.S. EPA. 1993. Subsurface Characterization and Monitoring Techniques (EPA 625-R-93-003a&b).

U.S. EPA. 1992. Characterizing Heterogeneous Wastes: Methods and Recommendations (March 26-28,1991) (PB92-216894).

U.S. EPA. 1992. Conducting Treatability Studies Under RCRA (OSWER Directive 9380.3-09FS, PB92-963501)

U.S. EPA. 1992. Guidance for Data Useability in Risk Assessment (Part A) (9285.7-09A).

U.S. EPA. 1992. Guide for Conducting Treatability Studies Under CERCLA: Final (EPA 540-R-92-071A, PB93-126787).

U.S. EPA. 1992. Guide for Conducting Treatability Studies Under CERCLA: Soil Vapor Extraction (EPA 540-2-91-019a&b, PB92-227271 & PB92-224401).

U.S. EPA. 1992. Guide for Conducting Treatability Studies Under CERCLA: Soil Washing (EPA 540-2-91-020a&b, PB92-170570 & PB92-170588).

U.S. EPA. 1992. Guide for Conducting Treatability Studies Under CERCLA: Solvent Extraction (EPA 540-R-92-016a, PB92-239581).

U.S. EPA. 1992. Guide to Site and Soil Description for Hazardous Waste Site Characterization, Volume 1: Metals (PB92-146158).

U.S. EPA. 1992. International Symposium on Field Screening

Methods for Hazardous Wastes and Toxic Chemicals (2nd), Proceedings. Held in Las Vegas, Nevada on February 12-14, 1991 (PB92-125764).

U.S. EPA. 1992. Sampling of Contaminated Sites (PB92-110436).

U.S. EPA. 1991. Ground Water Issue: Characterizing Soils for Hazardous Waste Site Assessment (PB-91-921294).

U.S. EPA. 1991. Guide for Conducting Treatability Studies Under CERCLA: Aerobic Biodegradation Remedy Screening (EPA 540-2-91-013a&b, PB92-109065 & PB92-109073).

U.S. EPA. 1991. Interim Guidance for Dermal Exposure Assessment (EPA 600-8-91-011A).

U.S. EPA. 1990. A New Approach and Methodologies for Characterizing the Hydrogeologic Properties of Aquifers (EPA 600-2-90-002).

U.S. EPA. 1986. Superfund Public Health Evaluation Manual (EPA 540-1-86-060).

U.S. EPA. N.D. Status Report on Field Analytical Technologies Utilization: Fact Sheet (no publication number available).

U.S.G.S. http://www.mapping.usgs.gov/esic/to_order.html.

Vendor Field Analytical and Characterization Technologies System (Vendor FACTS), Version 1.0 (Vendor FACTS can be downloaded from the Internet at www.prcemi.com/visitt or from the CLU-IN Web site at <http://clu-in.com>).

The Whitman Companies. Last modified October 4, 1996. Environmental Due Diligence. <http://www.whitmanco.com/dilgnce1.html>.

Site Cleanup

ASTM. N.D. New Standard Guide for Remediation by Natural Attenuation at Petroleum Release Sites (ASTM E50.01).

Brownfields Redevelopment: A Guidebook for Local Governments & Communities, International City/County Management Association, 1997

Federal Register. September 9, 1997. www.access.gpo.gov/su_docs/aces/aces140.html, vol.62, no.174, p. 47495-47506.

Federal Remediation Technology Roundtable. http://www.frtr.gov/matrix/top_page.html.

Interagency Cost Workgroup. 1994. Historical Cost Analysis System. Version 2.0.

Los Alamos National Laboratory. 1996. A Compendium of Cost Data for Environmental Remediation Technologies (LA-UR-96-2205).

Oak Ridge National Laboratory. N.D. Treatability of Hazardous Chemicals in Soils: Volatile and Semi-Volatile Organics (ORNL-6451).

Robbat, Albert, Jr. 1997. Dynamic Workplans and Field Analytics: The Keys to Cost Effective Site Characterization and Cleanup. Tufts University under Cooperative Agreement with the U.S. Environmental Protection Agency. October.

- U.S. EPA. 1999. Technical Approaches to Characterizing and Cleaning Up Metal Finishing Sites under the Brownfields Initiative. (EPA/625/R-98/006)
- U.S. EPA. 1997. Road Map to Understanding Innovative Technology Options for Brownfields Investigation and Cleanup. OSWER. PB97-144810).
- U.S. EPA. 1997. The Tool Kit of Technology Information Resources for Brownfields Sites. OSWER. (PB97-144828).
- U.S. EPA. 1996. Bioremediation Field Evaluation: Champion International Superfund Site, Libby, Montana (EPA 540-R-96-500).
- U.S. EPA. 1996. Bibliography for Innovative Site Clean-Up Technologies (EPA 542-B-96-003).
- U.S. EPA. 1996. Bioremediation of Hazardous Wastes: Research, Development, and Field Evaluations (EPA 540-R-95-532, PB96-130729).
- U.S. EPA. 1996. Citizen's Guides to Understanding Innovative Treatment Technologies (EPA 542-F-96-013):
 Bioremediation (EPA 542-F-96-007, EPA 542-F-96-023) In addition to screening levels, EPA regional offices and some states have developed cleanup levels, known as corrective action levels; if contaminant concentrations are above corrective action levels, cleanup must be pursued. The section on "Performing a Phase II Site Assessment" in this document provides more information on screening levels, and the section on "Site Cleanup" provides more information on corrective action levels.
- Chemical Dehalogenation (EPA 542-F-96-004, EPA 542-F-96-020)
- In Situ Soil Flushing (EPA 542-F-96-006, EPA 542-F-96-022)
- Innovative Treatment Technologies for Contaminated Soils, Sludges, Sediments, and Debris (EPA 542-F-96-001, EPA 542-F-96-017)
- Phytoremediation (EPA 542-F-96-014, EPA 542-F-96-025)
- Soil Vapor Extraction and Air Sparging (EPA 542-F-96-008, EPA 542-F-96-024)
- Soil Washing (EPA 542-F-96-002, EPA 542-F-96-018)
- Solvent Extraction (EPA 542-F-96-003, EPA 542-F-96-019)
- Thermal Desorption (EPA 542-F-96-005, EPA 542-F-96-021)
- Treatment Walls (EPA 542-F-96-016, EPA 542-F-96-027)
- U.S. EPA. 1996. Cleaning Up the Nation's Waste Sites: Markets and Technology Trends (1996 Edition) (EPA 542-R-96-005, PB96-178041).
- U.S. EPA. 1996. Completed North American Innovative Technology Demonstration Projects (EPA 542-B-96-002, PB96-153127).
- U.S. EPA. 1996. Cone Penetrometer/Laser Induced Fluorescence (LIF) Technology Verification Program: Fact Sheet (EPA 542-F-96-009b).
- U.S. EPA. 1996. EPA Directive: Initiatives to Promote Innovative Technologies in Waste Management Programs (EPA 540-F-96-012).
- U.S. EPA. 1996. Errata to Guide to EPA materials on Underground Storage Tanks (EPA 510-F-96-002).
- U.S. EPA. 1996. How to Effectively Recover Free Product at Leaking Underground Storage Tank Sites: A Guide for State Regulators (EPA 510-F-96-001; Fact Sheet: EPA 510-F-96-005).
- U.S. EPA. 1996. Innovative Treatment Technologies: Annual Status Report Database (ITT Database).
- U.S. EPA. 1996. Introducing TANK Racer (EPA 510-F96-001).
- U.S. EPA. 1996. Market Opportunities for Innovative Site Cleanup Technologies: Southeastern States (EPA 542-R-96-007, PB96-199518).
- U.S. EPA. 1996. Recent Developments for In situ Treatment of Metal-Contaminated Soils (EPA 542-R-96-008, PB96-153135).
- U.S. EPA. 1996. Review of Intrinsic Bioremediation of TCE in Groundwater at Picatinny Arsenal, New Jersey and St. Joseph, Michigan (EPA 600-A-95-096, PB95-252995).
- U.S. EPA. 1996. State Policies Concerning the Use of Injectants for In Situ Groundwater Remediation (EPA 542-R-96-001, PB96-164538).
- U.S. EPA. 1995. Abstracts of Remediation Case Studies (EPA 542-R-95-001, PB95-201711).
- U.S. EPA. 1995. Accessing Federal Data Bases for Contaminated Site Clean-Up Technologies, Fourth Edition (EPA 542-B-95-005, PB96-141601).
- U.S. EPA. 1995. Bioremediation Field Evaluation: Eielson Air Force Base, Alaska (EPA 540-R-95-533).
- U.S. EPA. 1995. Bioremediation Field Initiative Site Profiles:
 Champion Site, Libby, MT (EPA 540-F-95-506a)
 Eielson Air Force Base, AK (EPA 540-F-95-506b)
 Hill Air Force Base Superfund Site, UT (EPA 540-F-95-506c)
 Public Service Company of Colorado (EPA 540-F-95-506d)
 Escambia Wood Preserving Site, FL (EPA 540-F-95-506g)
 Reilly Tar and Chemical Corporation, MN (EPA 540-F-95-506h)
- U.S. EPA. 1995. Bioremediation Final Performance Evaluation of the Prepared Bed Land Treatment System, Champion International Superfund Site, Libby, Montana: Volume I, Text (EPA 600-R-95-156a); Volume II, Figures and Tables (EPA 600-R-95-156b).
- U.S. EPA. 1995. Bioremediation of Petroleum Hydrocarbons: A Flexible, Variable Speed Technology (EPA 600-A-95-140, PB96-139035).
- U.S. EPA. 1995. Combined Chemical and Biological Oxidation of Slurry Phase Polycyclic Aromatic Hydrocarbons (EPA 600-A-95-065, PB95-217642).

- U.S. EPA. 1995. Contaminants and Remedial Options at Selected Metal Contaminated Sites (EPA 540-R-95-512, PB95-271961).
- U.S. EPA. 1995. Development of a Photothermal Detoxification Unit: Emerging Technology Summary (EPA 540-SR-95-526); Emerging Technology Bulletin (EPA 540-F-95-505).
- U.S. EPA. 1995. Electrokinetic Soil Processing: Emerging Technology Bulletin (EPA 540-F-95-504); ET Project Summary (EPA 540-SR-93-515).
- U.S. EPA. 1995. Emerging Abiotic In Situ Remediation Technologies for Groundwater and Soil: Summary Report (EPA 542-S-95-001, PB95-239299).
- U.S. EPA. 1995. Emerging Technology Program (EPA 540-F-95-502).
- U.S. EPA. 1995. ETI: Environmental Technology Initiative (document order form) (EPA 542-F-95-007).
- U.S. EPA. 1995. Federal Publications on Alternative and Innovative Treatment Technologies for Corrective Action and Site Remediation, Fifth Edition (EPA 542-B-95-004, PB96-145099).
- U.S. EPA. 1995. Federal Remediation Technologies Roundtable: 5 Years of Cooperation (EPA 542-F-95-007).
- U.S. EPA. 1995. Guide to Documenting Cost and Performance for Remediation Projects (EPA 542-B-95-002, PB95-182960).
- U.S. EPA. 1995. In Situ Metal-Enhanced Abiotic Degradation Process Technology, Environmental Technologies, Inc.: Demonstration Bulletin (EPA 540-MR-95-510).
- U.S. EPA. 1995. In Situ Vitrification Treatment: Engineering Bulletin (EPA 540-S-94-504, PB95-125499).
- U.S. EPA. 1995. Intrinsic Bioattenuation for Subsurface Restoration (book chapter) (EPA 600-A-95-112, PB95-274213).
- U.S. EPA. 1995. J.R. Simplot Ex-Situ Bioremediation Technology for Treatment of TNT-Contaminated Soils: Innovative Technology Evaluation Report (EPA 540-R-95-529); Site Technology Capsule (EPA 540-R-95-529a).
- U.S. EPA. 1995. Lessons Learned About In Situ Air Sparging at the Denison Avenue Site, Cleveland, Ohio (Project Report), Assessing UST Corrective Action Technologies (EPA 600-R-95-040, PB95-188082).
- U.S. EPA. 1995. Microbial Activity in Subsurface Samples Before and During Nitrate-Enhanced Bioremediation (EPA 600-A-95-109, PB95-274239).
- U.S. EPA. 1995. Musts for USTS: A Summary of the Regulations for Underground Tank Systems (EPA 510-K-95-002).
- U.S. EPA. 1995. Natural Attenuation of Trichloroethene at the St. Joseph, Michigan, Superfund Site (EPA 600-SV-95-001).
- U.S. EPA. 1995. New York State Multi-Vendor Bioremediation: Ex-Situ Biovault, ENSR Consulting and Engineering/Larson Engineers: Demonstration Bulletin (EPA 540-MR-95-525).
- U.S. EPA. 1995. Process for the Treatment of Volatile Organic Carbon and Heavy-Metal-Contaminated Soil, International Technology Corp.: Emerging Technology Bulletin (EPA 540-F-95-509).
- U.S. EPA. 1995. Progress in Reducing Impediments to the Use of Innovative Remediation Technology (EPA 542-F-95-008, PB95-262556).
- U.S. EPA. 1995. Remedial Design/Remedial Action Handbook (PB95-963307-ND2).
- U.S. EPA. 1995. Remedial Design/Remedial Action Handbook Fact Sheet (PB95-963312-NDZ).
- U.S. EPA. 1995. Remediation Case Studies: Bioremediation (EPA 542-R-95-002, PB95-182911).
- U.S. EPA. 1995. Remediation Case Studies: Fact Sheet and Order Form (EPA 542-F-95-003); Four Document Set (PB95-182903).
- U.S. EPA. 1995. Remediation Case Studies: Groundwater Treatment (EPA 542-R-95-003, PB95-182929).
- U.S. EPA. 1995. Remediation Case Studies: Soil Vapor Extraction (EPA 542-R-95-004, PB95-182937).
- U.S. EPA. 1995. Remediation Case Studies: Thermal Desorption, Soil Washing, and In Situ Vitrification (EPA 542-R-95-005, PB95-182945).
- U.S. EPA. 1995. Remediation Technologies Screening Matrix and Reference Guide, Second Edition (PB95-104782; Fact Sheet: EPA 542-F-95-002). Federal Remediation Technology Roundtable. Also see Internet: <http://www.frtr.gov/matrix/top-page.html>.
- U.S. EPA. 1995. Removal of PCBs from Contaminated Soil Using the Cf Systems (trade name) Solvent Extraction Process: A Treatability Study (EPA 540-R-95-505, PB95-199030); Project Summary (EPA 540-SR-95-505).
- U.S. EPA. 1995. Review of Mathematical Modeling for Evaluating Soil Vapor Extraction Systems (EPA 540-R-95-513, PB95-243051).
- U.S. EPA. 1995. Selected Alternative and Innovative Treatment Technologies for Corrective Action and Site Remediation: A Bibliography of EPA Information Resources (EPA 542-B-95-001).
- U.S. EPA. 1995. SITE Emerging Technology Program (EPA 540-F-95-502).
- U.S. EPA. 1995. Soil Vapor Extraction (SVE) Enhancement Technology Resource Guide Air Sparging, Bioventing, Fracturing, Thermal Enhancements (EPA 542-B-95-003).
- U.S. EPA. 1995. Soil Vapor Extraction Implementation Experiences (OSWER Publication 9200.5-223FS, EPA 540-F-95-030, PB95-963315).
- U.S. EPA. 1995. Surfactant Injection for Ground Water Remediation: State Regulators' Perspectives and Experiences (EPA 542-R-95-011, PB96-164546).

- U.S. EPA. 1995. Symposium on Bioremediation of Hazardous Wastes: Research, Development, and Field Evaluations, Abstracts: Rye Town Hilton, Rye Brook, New York, August 8-10, 1995 (EPA 600-R-95-078).
- U.S. EPA. 1993-1995. Technology Resource Guides:.
- Bioremediation Resource Guide (EPA 542-B-93-004)
- Groundwater Treatment Technology Resource Guide (EPA 542-B-94-009, PB95-138657)
- Physical/Chemical Treatment Technology Resource Guide (EPA 542-B-94-008, PB95-138665)
- Soil Vapor Extraction (SVE) Enhancement Technology Resource Guide: Air Sparging, Bioventing, Fracturing, and Thermal Enhancements (EPA 542-B-95-003)
- Soil Vapor Extraction (SVE) Treatment Technology Resource Guide (EPA 542-B-94-007)
- U.S. EPA. 1995. Waste Vitrification Through Electric Melting, Ferro Corporation: Emerging Technology Bulletin (EPA 540-F-95-503).
- U.S. EPA. 1994. Accessing EPA's Environmental Technology Programs (EPA 542-F-94-005).
- U.S. EPA. 1994. Bioremediation: A Video Primer (video) (EPA 510-V-94-001).
- U.S. EPA. 1994. Bioremediation in the Field Search System (EPA 540-F-95-507; Fact Sheet: EPA 540-F-94-506).
- U.S. EPA. 1994. Contaminants and Remedial Options at Solvent-Contaminated Sites (EPA 600-R-94-203, PB95-177200).
- U.S. EPA. 1990-1994. EPA Engineering Bulletins:.
- Chemical Dehalogenation Treatment: APEG Treatment (EPA 540-2-90-015, PB91-228031)
- Chemical Oxidation Treatment (EPA 540-2-91-025)
- In Situ Biodegradation Treatment (EPA 540-S-94-502, PB94-190469)
- In Situ Soil Flushing (EPA 540-2-91-021)
- In Situ Soil Vapor Extraction Treatment (EPA 540-2-91-006, PB91-228072)
- In Situ Steam Extraction Treatment (EPA 540-2-91-005, PB91-228064)
- In Situ Vitrification Treatment (EPA 540-S-94-504, PB95-125499)
- Mobile/Transportable Incineration Treatment (EPA 540-2-90-014)
- Pyrolysis Treatment (EPA 540-S-92-010)
- Rotating Biological Contactors (EPA 540-S-92-007)
- Slurry Biodegradation (EPA 540-2-90-016, PB91-228049)
- Soil Washing Treatment (EPA 540-2-90-017, PB91-228056)
- Solidification/Stabilization of Organics and Inorganics (EPA 540-S-92-015)
- Solvent Extraction Treatment (EPA 540-S-94-503, PB94-190477)
- Supercritical Water Oxidation (EPA 540-S-92-006)
- Technology Preselection Data Requirements (EPA 540-S-92-009)
- Thermal Desorption Treatment (EPA 540-S-94-501, PB94-160603)
- U.S. EPA. 1994. Field Investigation of Effectiveness of Soil Vapor Extraction Technology (Final Project Report) (EPA 600-R-94-142, PB94-205531).
- U.S. EPA. 1994. Ground Water Treatment Technologies Resource Guide (EPA 542-B-94-009, PB95-138657).
- U.S. EPA. 1994. How to Evaluate Alternative Cleanup Technologies for Underground Storage Tank Sites: A Guide for Corrective Action Plan Reviewers (EPA 510-B-94-003, S/N 055-000-00499-4); Pamphlet (EPA 510-F-95-003).
- U.S. EPA. 1994. In Situ Steam Enhanced Recovery Process, Hughes Environmental Systems, Inc.: Innovative Technology Evaluation Report (EPA 540-R-94-510, PB95-271854); Site Technology Capsule (EPA 540-R-94-510a, PB95-270476).
- U.S. EPA. 1994. In Situ Vitrification, Geosafe Corporation: Innovative Technology Evaluation Report (EPA 540-R-94-520, PB95-213245); Demonstration Bulletin (EPA 540-MR-94-520).
- U.S. EPA. 1994. J.R. Simplot Ex-Situ Bioremediation Technology for Treatment of Dinoseb-Contaminated Soils: Innovative Technology Evaluation Report (EPA 540-R-94-508); Demonstration Bulletin (EPA 540-MR-94-508).
- U.S. EPA. 1994. Literature Review Summary of Metals Extraction Processes Used to Remove Lead From Soils, Project Summary (EPA 600-SR-94-006).
- U.S. EPA. 1994. Northeast Remediation Marketplace: Business Opportunities for Innovative Technologies (Summary Proceedings) (EPA 542-R-94-001, PB94-154770).
- U.S. EPA. 1994. Physical/Chemical Treatment Technology Resource Guide (EPA 542-B-94-008, PB95-138665).
- U.S. EPA. 1994. Profile of Innovative Technologies and Vendors for Waste Site Remediation (EPA 542-R-94-002, PB95-138418).
- U.S. EPA. 1994. Radio Frequency Heating, KAI Technologies, Inc.: Innovative Technology Evaluation Report (EPA 540-R-94-528); Site Technology Capsule (EPA 540-R-94-528a, PB95-249454).
- U.S. EPA. 1994. Regional Market Opportunities for Innovative Site Clean-up Technologies: Middle Atlantic States (EPA 542-R-95-010, PB96-121637).
- U.S. EPA. 1994. Rocky Mountain Remediation Marketplace: Business Opportunities for Innovative Technologies (Summary Proceedings) (EPA 542-R-94-006, PB95-173738).
- U.S. EPA. 1994. Selected EPA Products and Assistance On Alternative Cleanup Technologies (Includes Remediation

Guidance Documents Produced By The Wisconsin Department of Natural Resources) (EPA 510-E-94-001).

U.S. EPA. 1994. Soil Vapor Extraction Treatment Technology Resource Guide (EPA 542-B-94-007).

U.S. EPA. 1994. Solid Oxygen Source for Bioremediation Subsurface Soils (revised) (EPA 600-J-94-495, PB95-155149).

U.S. EPA. 1994. Solvent Extraction: Engineering Bulletin (EPA 540-S-94-503, PB94-190477).

U.S. EPA. 1994. Solvent Extraction Treatment System, Terra-Kleen Response Group, Inc. (EPA 540-MR-94-521).

U.S. EPA. 1994. Status Reports on In Situ Treatment Technology Demonstration and Applications:

Altering Chemical Conditions (EPA 542-K-94-008)

Cosolvents (EPA 542-K-94-006)

Electrokinetics (EPA 542-K-94-007)

Hydraulic and Pneumatic Fracturing (EPA 542-K-94-005)

Surfactant Enhancements (EPA 542-K-94-003)

Thermal Enhancements (EPA 542-K-94-009)

Treatment Walls (EPA 542-K-94-004)

U.S. EPA. 1994. Subsurface Volatization and Ventilation System (SVVS): Innovative Technology Report (EPA 540-R-94-529, PB96-116488); Site Technology Capsule (EPA 540-R-94-529a, PB95-256111).

U.S. EPA. 1994. Superfund Innovative Technology Evaluation (SITE) Program: Technology Profiles, Seventh Edition (EPA 540-R-94-526, PB95-183919).

U.S. EPA. 1994. Thermal Desorption System, Maxymillian Technologies, Inc.: Site Technology Capsule (EPA 540-R94-507a, PB95-122800).

U.S. EPA. 1994. Thermal Desorption Treatment: Engineering Bulletin (EPA 540-S-94-501, PB94-160603).

U.S. EPA. 1994. Thermal Desorption Unit, Eco Logic International, Inc.: Application Analysis Report (EPA 540-AR-94-504).

U.S. EPA. 1994. Thermal Enhancements: Innovative Technology Evaluation Report (EPA 542-K-94-009).

U.S. EPA. 1994. The Use of Cationic Surfactants to Modify Aquifer Materials to Reduce the Mobility of Hydrophobic Organic Compounds (EPA 600-S-94-002, PB95-111951).

U.S. EPA. 1994. West Coast Remediation Marketplace: Business Opportunities for Innovative Technologies (Summary Proceedings) (EPA 542-R-94-008, PB95-143319).

U.S. EPA. 1993. Accutech Pneumatic Fracturing Extraction and Hot Gas Injection, Phase I: Technology Evaluation Report (EPA 540-R-93-509, PB93-216596).

U.S. EPA. 1993. Augmented In Situ Subsurface Bioremediation Process, Bio-Rem, Inc.: Demonstration Bulletin (EPA 540-MR-93-527).

U.S. EPA. 1993. Biogenesis Soil Washing Technology:

Demonstration Bulletin (EPA 540-MR-93-510).

U.S. EPA. 1993. Bioremediation Resource Guide and Matrix (EPA 542-B-93-004, PB94-112307).

U.S. EPA. 1993. Bioremediation: Using the Land Treatment Concept (EPA 600-R-93-164, PB94-107927).

U.S. EPA. 1993. Fungal Treatment Technology: Demonstration Bulletin (EPA 540-MR-93-514).

U.S. EPA. 1993. Gas-Phase Chemical Reduction Process, Eco Logic International Inc. (EPA 540-R-93-522, PB95-100251, EPA 540-MR-93-522).

U.S. EPA. 1993. HRUBOUT, Hrubetz Environmental Services: Demonstration Bulletin (EPA 540-MR-93-524).

U.S. EPA. 1993. Hydraulic Fracturing of Contaminated Soil, U.S. EPA: Innovative Technology Evaluation Report (EPA 540-R-93-505, PB94-100161); Demonstration Bulletin (EPA 540-MR-93-505).

U.S. EPA. 1993. HYPERVENTILATE: A software Guidance System Created for Vapor Extraction Systems for Apple Macintosh and IBM PC-Compatible Computers (UST #107) (EPA 510-F-93-001); User's Manual (Macintosh disk included) (UST #102) (EPA 500-CB-92-001).

U.S. EPA. 1993. In Situ Bioremediation of Contaminated Ground Water (EPA 540-S-92-003, PB92-224336).

U.S. EPA. 1993. In Situ Bioremediation of Contaminated Unsaturated Subsurface Soils (EPA-S-93-501, PB93-234565).

U.S. EPA. 1993. In Situ Bioremediation of Ground Water and Geological Material: A Review of Technologies (EPA 600-SR-93-124, PB93-215564).

U.S. EPA. 1993. In Situ Treatments of Contaminated Groundwater: An Inventory of Research and Field Demonstrations and Strategies for Improving Groundwater Remediation Technologies (EPA 500-K-93-001, PB93-193720).

U.S. EPA. 1993. Laboratory Study on the Use of Hot Water to Recover Light Oily Wastes from Sands (EPA 600-R-93-021, PB93-167906).

U.S. EPA. 1993. Low Temperature Thermal Aeration (LTTA) System, Smith Environmental Technologies Corp.: Applications Analysis Report (EPA 540-AR-93-504); Site Demonstration Bulletin (EPA 540-MR-93-504).

U.S. EPA. 1993. Mission Statement: Federal Remediation Technologies Roundtable (EPA 542-F-93-006).

U.S. EPA. 1993. Mobile Volume Reduction Unit, U.S. EPA: Applications Analysis Report (EPA 540-AR-93-508, PB94-130275).

U.S. EPA. 1993. Overview of UST Remediation Options (EPA 510-F-93-029).

U.S. EPA. 1993. Soil Recycling Treatment, Toronto Harbour Commissioners (EPA 540-AR-93-517, PB94-124674).

U.S. EPA. 1993. Synopses of Federal Demonstrations of Innovative Site Remediation Technologies, Third Edition (EPA

542-B-93-009, PB94-144565).

U.S. EPA. 1993. XTRAX Model 200 Thermal Desorption System, OHM Remediation Services Corp.: Site Demonstration Bulletin (EPA 540-MR-93-502).

U.S. EPA. 1992. Aostra Soil-tech Anaerobic Thermal Process, Soiltech ATP Systems: Demonstration Bulletin (EPA 540-MR-92-008).

U.S. EPA. 1992. Basic Extractive Sludge Treatment (B.E.S.T.) Solvent Extraction System, Ionics/Resources Conservation Co.: Applications Analysis Report (EPA 540-AR-92-079, PB94-105434); Demonstration Summary (EPA 540-SR-92-079).

U.S. EPA. 1992. Bioremediation Case Studies: An Analysis of Vendor Supplied Data (EPA 600-R-92-043, PB92-232339).

U.S. EPA. 1992. Bioremediation Field Initiative (EPA 540-F-92-012).

U.S. EPA. 1992. Carver Greenfield Process, Dehydrotech Corporation: Applications Analysis Report (EPA 540-AR-92-002, PB93-101152); Demonstration Summary (EPA 540-SR-92-002).

U.S. EPA. 1992. Chemical Enhancements to Pump-and-Treat Remediation (EPA 540-S-92-001, PB92-180074).

U.S. EPA. 1992. Cyclone Furnace Vitrification Technology, Babcock and Wilcox: Applications Analysis Report (EPA 540-AR-92-017, PB93-122315).

U.S. EPA. 1992. Evaluation of Soil Venting Application (EPA 540-S-92-004, PB92-235605).

U.S. EPA. 1992. Excavation Techniques and Foam Suppression Methods, McColl Superfund Site, U.S. EPA: Applications Analysis Report (EPA 540-AR-92-015, PB93-100121).

U.S. EPA. 1992. In Situ Biodegradation Treatment: Engineering Bulletin (EPA 540-S-94-502, PB94-190469).

U.S. EPA. 1992. Low Temperature Thermal Treatment System, Roy F. Weston, Inc.: Applications Analysis Report (EPA 540-AR-92-019, PB94-124047).

U.S. EPA. 1992. Proceedings of the Symposium on Soil Venting (EPA 600-R-92-174, PB93-122323).

U.S. EPA. 1992. Soil/Sediment Washing System, Bergman USA: Demonstration Bulletin (EPA 540-MR-92-075).

U.S. EPA. 1992. TCE Removal From Contaminated Soil and Groundwater (EPA 540-S-92-002, PB92-224104).

U.S. EPA. 1992. Technology Alternatives for the Remediation of PCB-Contaminated Soil and Sediment (EPA 540-S-93-506).

U.S. EPA. 1992. Workshop on Removal, Recovery, Treatment, and Disposal of Arsenic and Mercury (EPA 600-R-92-105, PB92-216944).

U.S. EPA. 1991. Biological Remediation of Contaminated Sediments, With Special Emphasis on the Great Lakes: Report of a Workshop (EPA 600-9-91-001).

U.S. EPA. 1991. Debris Washing System, RREL. Technology Evaluation Report (EPA 540-5-91-006, PB91-231456).

U.S. EPA. 1991. Guide to Discharging CERCLA Aqueous Wastes to Publicly Owned Treatment Works (9330.2-13FS).

U.S. EPA. 1991. In Situ Soil Vapor Extraction: Engineering Bulletin (EPA 540-2-91-006, PB91-228072).

U.S. EPA. 1991. In Situ Steam Extraction: Engineering Bulletin (EPA 540-2-91-005, PB91-228064).

U.S. EPA. 1991. In Situ Vapor Extraction and Steam Vacuum Stripping, AWD Technologies (EPA 540-A5-91-002, PB92-218379).

U.S. EPA. 1991. Pilot-Scale Demonstration of Slurry-Phase Biological Reactor for Creosote-Contaminated Soil (EPA 540-A5-91-009, PB94-124039).

U.S. EPA. 1991. Slurry Biodegradation, International Technology Corporation (EPA 540-MR-91-009).

U.S. EPA. 1991. Understanding Bioremediation: A Guidebook for Citizens (EPA 540-2-91-002, PB93-205870).

U.S. EPA. 1990. Anaerobic Biotransformation of Contaminants in the Subsurface (EPA 600-M-90-024, PB91-240549).

U.S. EPA. 1990. Chemical Dehalogenation Treatment, APEG Treatment: Engineering Bulletin (EPA 540-2-90-015, PB91-228031).

U.S. EPA. 1990. Enhanced Bioremediation Utilizing Hydrogen Peroxide as a Supplemental Source of Oxygen: A Laboratory and Field Study (EPA 600-2-90-006, PB90-183435).

U.S. EPA. 1990. Guide to Selecting Superfund Remedial Actions (9355.0-27FS).

U.S. EPA. 1990. Slurry Biodegradation: Engineering Bulletin (EPA 540-2-90-016, PB91-228049).

U.S. EPA. 1990. Soil Washing Treatment: Engineering Bulletin (EPA 540-2-90-017, PB91-228056).

U.S. EPA. 1989. Facilitated Transport (EPA 540-4-89-003, PB91-133256).

U.S. EPA. 1989. Guide on Remedial Actions for Contaminated Ground Water (9283.1-02FS).

U.S. EPA. 1987. Compendium of Costs of Remedial Technologies at Hazardous Waste Sites (EPA 600-2-87-087).

U.S. EPA. 1987. Data Quality Objectives for Remedial Response Activities: Development Process (9355.0-07B).

U.S. EPA. 1986. Costs of Remedial Actions at Uncontrolled Hazardous Waste Sites (EPA/640/2-86/037).

U.S. EPA. N.D. Alternative Treatment Technology Information Center (ATTIC) (The ATTIC data base can be accessed by modem at (703) 908-2138).

U.S. EPA. N.D. Clean Up Information (CLU-IN) Bulletin Board System. (CLU-IN can be accessed by modem at (301) 589-8366 or by the Internet at <http://clu-in.com>).

U.S. EPA. N.D. Initiatives to Promote Innovative Technology in Waste Management Programs (OSWER Directive 9308.0-25).

U.S. EPA and University of Pittsburgh. N.D. Ground Water

Remediation Technologies Analysis Center. Internet address:
<http://www.gwrtac.org>

Vendor Information System for Innovative Treatment Technologies (VISITT), Version 4.0 (VISITT can be downloaded from the Internet at <http://www.prcemi.com/visitt> or from the CLU-IN Web site at <http://clu-in.com>).

1. Interagency Cost Workgroup, 1994.
2. Costs of Remedial Actions at Uncontrolled Hazardous Wastes Sites, U.S. EPA, 1986.
3. Federal Remediation Technology Roundtable.
http://www.frtr.gov/matrix/top_page.html

UST = underground storage tank

SVOCs = semi-volatile organic compounds

VOCs = volatile organic compounds

PAHs = polyaromatic hydrocarbons

PCBs = polychlorinated biphenyls

TPH = total petroleum hydrocarbons