

Scientific
and Technical
Organizations
and Agencies
Directory

FIRST EDITION

Volume 2

Scientific and Technical Organizations and Agencies Directory

Chapters 7-13
Index

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(7) Consulting Firms

Chapter 7 lists more than 1,500 consulting firms engaged in engineering, scientific, and technical activities. See the description of this chapter on page 11 of the Introduction for additional information on its contents, arrangement, and sources.

★ 6586 ★

AAA ENGINEERING & DRAFTING, INC.

1865 South Main Street

Salt Lake City, UT 84115

Phone: (801) 487-9908

Founded: 1960. Branch Office(s): Oklahoma City, Oklahoma; Bend, Oregon. Principal Executive(s): C. Ross Anderson, President; Michael D. Reece, Vice President. Purpose and Activity: Cartographic, forestry, and land development consultants. Services include civil engineering, surveying, photogrammetry, forestry, technical writing, illustrating, and document reproduction.

★ 6587 ★

AAA TECHNOLOGY

3000 Rodgerdale

Houston, TX 77042

Phone: (713) 789-6200

Founded: 1971. Principal Executive(s): Reid P. McNally, Jr., President; Dan Yonque; Nathan Massey. Purpose and Activity: Mechanical engineering consultants active in the following areas: piping flexibility, stress analysis and design; vertical and horizontal vessel analysis and design; heat exchanger thermal and mechanical analysis, design and rating; and fluid flow analysis and design (liquid or vapor, single or 2-phase systems).

★ 6588 ★

ABAM ENGINEERS, INC.

500 South 336th Street

Federal Way, WA 98003

Phone: (206) 952-6100

Founded: 1951. Principal Executive(s): Robert F. Mast, President; Alexander Popoff, Jr., Executive Vice President; Donald D. Casad, Vice President; Philip W. Birkeland, Vice President; Christian J. Birkeland, Vice President; Charles W. Dolan, Vice President. Purpose and Activity: A consulting engineering firm offering professional services in the fields of structural and civil engineering, including design of buildings, bridges, highways, waterfront facilities, industrial facilities, transit and transportation structures, off-shore oil drilling and storage structures and other extended services.

★ 6589 ★

ABERLIN & EVANSON, INC.

724 Vernon Avenue

Glencoe, IL 60022

Phone: (312) 835-5533

Founded: 1947. Principal Executive(s): Clifford E. Evanson, President. Purpose and Activity: Consulting engineers offering special machinery to industry, automation engineering, new product development and industrial plant studies.

★ 6590 ★

ABEYTA ENGINEERING CONSULTANTS, INC.

183 Inverness Drive West, Suite 10

Englewood, CO 80112

Phone: (303) 799-6400

Founded: 1973. Principal Executive(s): Monty E. Abeyta, President;

Thomas J. Buchko, Vice President; Maurice C. Cox, Vice President; Allan E. Deems, Vice President. Purpose and Activity: Consulting mechanical and electrical engineers for commercial, industrial, institutional and educational projects.

★ 6591 ★

ABRAHAMSON & ASSOCIATES, CONSULTING ENGINEERS

Post Office Box 14025

Petroleum Building, Suite 536

Amarillo, TX 79101

Phone: (806) 372-2287

Founded: 1972. Branch Office(s): Ute Park, New Mexico. Principal Executive(s): R.T. Abrahamson; Janet Abrahamson. Purpose and Activity: Consulting engineers active in accident reconstruction, land development, subdivision design, hydraulics, drainage studies, site planning, and structural analysis.

★ 6592 ★

ACADEMY TESTING LABORATORIES INC.

129 Verdi Street

Farmingdale, NY 11735

Phone: (516) 420-8666

Founded: 1958. Principal Executive(s): Stephen A. Montanaro, President. Purpose and Activity: Offers metallurgical testing and consulting services to the aerospace, manufacturing, and marine industries.

★ 6593 ★

ACCU-WEATHER, INC.

619 West College Avenue

State College, PA 16801

Phone: (814) 237-0309

Founded: 1965. Branch Office(s): Toronto, Ontario, Canada. Principal Executive(s): Joel Myers, President; Elliot Abrams, Senior Vice President; Evan A. Myers, Vice President; Joseph Sobel, Vice President. Purpose and Activity: Serving government, television, radio, newspapers, teletex, videotex, and industry with specialized weather forecasting data and graphics services, climatological research and expert weather testimony.

★ 6594 ★

ACOUSTIC EMISSION TECHNOLOGY CORPORATION

1812J Tribute Road

Sacramento, CA 95815

Phone: (916) 927-3861

Founded: 1972. Principal Executive(s): Allen T. Green, President; John M. Rodgers; James D. Leaird. Purpose and Activity: Technical consultants offering destructive and non-destructive testing and inspection services specifically using acoustic emission and/or acousto-ultrasonic techniques.

★ 6595 ★

ACOUSTIC TECHNOLOGY, INC.

22 Union Wharf

Boston, MA 02109

Phone: (617) 367-0264

Founded: 1980. **Principal Executive(s):** M. Reada Bassiouni, President; Catherine Minassian, Vice President. **Purpose and Activity:** Acoustics consultants serving utility companies, petro-chemical companies, legal firms, and manufacturing companies.

★ 6596 ★

ACRES AMERICAN INCORPORATED

1000 Liberty Building

424 Main Street

Buffalo, NY 14202

Phone: (716) 853-7525

Founded: 1970. **Branch Office(s):** Anchorage, Alaska; Washington, D.C. **Principal Executive(s):** H.C. Rynard, Chairman and President; S. Tibshirani, Senior Vice President; E.L. Baum, Vice President; J.G. Warnock, Vice President; D.C. Willett, Vice President; C.R. Witte, General Manager. **Purpose and Activity:** Provides consulting engineering planning and project management services to government and industry. Groups within the company cover power and heavy civil engineering and industrial activities. The company is particularly recognized for its capabilities in hydroelectric and energy storage engineering, chemical, iron and steel plants, transportation, hazardous waste treatment, electrical utilities, environmental and general plant facility engineering.

★ 6597 ★

ACUREX CORPORATION

555 Clyde Avenue

Post Office Box 7555

Mountain View, CA 94039

Phone: (415) 946-3200

Founded: 1965. **Branch Office(s):** Anaheim, California; Bridgewater, New Jersey; Cincinnati, Ohio; Hamburg, West Germany; Hickory Hills, Illinois; Houston, Texas; Huntsville, Alabama; Le Chesnay, France; Marietta, Georgia; Natick, Massachusetts; Ottawa, Ohio; Research Triangle Park, North Carolina; Rosslyn, Virginia; Woodlands, Texas; Wright Patterson Air Force Base, Ohio. **Principal Executive(s):** William E. Dean, President; Joseph John, Vice President; Duane L. Baker, Vice President; Robert L. Barch, Vice President; Joseph John, Vice President; George J. Haytko, Treasurer; Victor A. Hebert, Secretary. **Purpose and Activity:** Provides high technology products and services in aerospace, electronics, and energy businesses. Consultation, research, and technology development in high-speed, high-temperature aero/thermodynamics; composite materials, coatings and resins; arc-plasma testing; combustion energy technology; environmental chemistry; cogeneration; and solar energy technology.

★ 6598 ★

ACZ, INC.

737 Lincoln Avenue

Post Office Box 774018

Steamboat Springs, CO 80477

Phone: (303) 879-6260

Founded: 1980. **Principal Executive(s):** Alan W. Czarnowsky, President; Eldon D. Strick; Ralph V. Poulsen. **Purpose and Activity:** Consulting engineers specializing in mine engineering and environmental activities. Maintains a full-service commercial testing laboratory.

★ 6599 ★

AD/SOIL SERVICES, INC.

122 South Church Street

West Chester, PA 19380

Phone: (215) 692-2282

Founded: 1979. **Branch Office(s):** Chebanse, Illinois. **Principal Executive(s):** John A. O'Neal, President; Kenneth Decker, Vice President; Brian Steager. **Purpose and Activity:** Offers total management of sludge and other usable by-products from sewage treatment plants and industrial processes. Services include program design, permitting, transportation, application and monitoring.

★ 6600 ★

ADELBURG, HARE & ASSOCIATES

12616 Buckingham Drive

Bowie, MD 20715

Phone: (301) 262-9388

Founded: 1962. **Branch Office(s):** Clarksville, Maryland. **Principal Executive(s):** Victor Hare, President; Kenneth Adelberg, Vice President. **Purpose and Activity:** Engineering consulting firm offering services in the following

areas: general civil engineering - planning, housing projects, new towns design, sewers, water, highways and streets; surveys - land surveys, topography, route surveys; construction - inspection, supervision, inspection reports, houses, commercial buildings, condominiums, plumbing, heating and air conditioning; structural consulting - water supply, swimming pools, tennis courts and recreational areas. Also provides expert court testimony.

★ 6601 ★

ADMIRAL WATER SERVICES COMPANY

800 West Central Road

Mount Prospect, IL 60056

Phone: (312) 253-3933

Founded: 1971. **Branch Office(s):** Chicago, Illinois. **Principal Executive(s):** Richard G. Dalbke, President; Simon P. Gary, Vice President. **Purpose and Activity:** Offers consulting relative to water and wastewater systems. Solving problems and engineering of water pollution control systems plus development of water treatment. Specifications for control of problems in boilers and cooling systems. Certified as corrosion specialists. Maintains full-service laboratory facilities for analysis of water and wastewater.

★ 6602 ★

ADTECH, INC.

Post Office Box 10415

Honolulu, HI 96816

Phone: (808) 941-0708

Founded: 1967. **Principal Executive(s):** Kathryn Weldon, President; Carl Ueyehara, Secretary/Treasurer; Michael Gouveia; E.J. Weldon, Jr. **Purpose and Activity:** Provides consulting services on electronic systems, including educational devices, control systems, and communication devices.

★ 6603 ★

ADVANCED TECHNOLOGY SYSTEMS, INC.

3426 North Washington Boulevard

Arlington, VA 22201

Phone: (703) 525-2664

Founded: 1968. **Principal Executive(s):** John J. Renner, President; H. DeFrancesco, Vice President. **Purpose and Activity:** Offers counsel on systems engineering, design, and cost studies for voice, digital, and data communications systems: computer, microwave, television networking, and mobile radio and telephone systems.

★ 6604 ★

AER-AQUA LABORATORIES, INC.

211 East Shaw

Pasadena, TX 77502

Phone: (713) 477-8101

Founded: 1971. **Principal Executive(s):** J. Parker Forsman, Director. **Purpose and Activity:** Firm specializes in water and wastes analysis and occupational health surveys and consulting.

★ 6605 ★

AERO SERVICE DIVISION WESTERN GEOPHYSICAL COMPANY OF AMERICA

8100 Westpark Drive

Houston, TX 77063

Phone: (713) 784-5800

Founded: 1919. **Branch Office(s):** Englewood, Colorado. **Principal Executive(s):** Emil J. Mateker, Jr., President; George A. Brookes, Vice President; Richard D. Garrett, Vice President; J. Haynie Stringer, Vice President. **Purpose and Activity:** Performs airborne petroleum and mineral exploration surveys, airborne Synthetic Aperture Radar (SAR) surveys, and processing and interpretation of resulting data. Mapping surveys of all types including computerized mapping and digital data base creation.

★ 6606 ★

AERONAUTICAL ENGINEERING SERVICES CORPORATION

Post Office Box 3953

Albany, GA 31706

Phone: (912) 435-1126

Founded: 1977. **Principal Executive(s):** Paul M. Nichols, President. **Purpose and Activity:** Offers aeronautical engineering consulting services to the aircraft manufacturing industry, the aircraft modification industry, and the legal profession.

★ 6607 ★

AESCO (AERONAUTICAL ENGINEERING SERVICES CORPORATION)

Post Office Box 3953

Albany, GA 31706

Phone: (912) 435-1126

Founded: 1980. **Branch Office(s):** Tucson, Arizona. **Principal Executive(s):** Paul M. Nichols, President; Paul H. O'Donnell, Vice President. **Purpose and Activity:** Consultants in engineering flight testing. All work conducted in accordance with U.S. Federal Aviation Administration (FAA) regulations. The firm specializes in fixed wing aircraft modifications.

★ 6608 ★

AETA CORPORATION

117 Silver Street

Post Office Box 1006

Dover, NH 03820

Phone: (603) 749-3686

Founded: 1976. **Branch Office(s):** Washington, DC. **Principal Executive(s):** David B. Master, President; Indira Sivaprasad, Vice President; Jerome Goldhammer. **Purpose and Activity:** An energy engineering and consulting firm offering product development and process assessment.

★ 6609 ★

AFFILIATED CONSULTANTS, ENGINEERS

823 North Elm Street

Greensboro, NC 27401

Phone: (919) 273-0813

Founded: 1974. **Principal Executive(s):** Philip J. Bisesi; Halina M. Bisesi. **Purpose and Activity:** Consulting engineers specializing in the design, testing, and installation of energy-producing systems. Also active in the areas of air, water, noise, and industrial hygiene.

★ 6610 ★

AGUIRRE ASSOCIATES, INC.

Eight Miraleste Plaza

Rancho Palos Verdes, CA 90274

Phone: (213) 832-5818

Founded: 1960. **Principal Executive(s):** John Aguirre, President. **Purpose and Activity:** Provides consulting services in the areas of architecture, seismic studies, engineering, urban planning and environmental studies.

★ 6611 ★

AGUIRRE ENGINEERS, INC.

Post Office Box 3814

Englewood, NJ 80155

Phone: (303) 799-8378

Founded: 1977. **Principal Executive(s):** Yukoslav E. Aguirre, President; Ronald E. Rager; Jeffrey C. Olson. **Purpose and Activity:** Offers geotechnical and materials consulting and testing. Maintains complete laboratory facilities for soil, concrete and asphalt testing. Expertise in domestic and foreign (Africa, Europe, Central and South America) projects. Past and present experience on all types of major civil works including fossil and nuclear power plants, offshore structures, land and underwater pipelines, dams, subdivisions, business parks, new towns, office and industrial project.

★ 6612 ★

AHIMSA TECHNIC INC.

585 Beville Road

South Daytona, FL 32019

Phone: (904) 761-6643

Founded: 1975. **Principal Executive(s):** Robert R. Bullard, President. **Purpose and Activity:** Offers technical counsel in environmental, civil, coastal, structural, and traffic engineering. Specialty is shoreline stabilization structures.

★ 6613 ★

AID CONSULTING ENGINEERS, INC.

10830 Composite Drive

Dallas, TX 75220

Phone: (214) 350-8781

Founded: 1971. **Principal Executive(s):** Archie Broodo, President; J.L. Gilmore, Vice President; Ray Burk; Ron Hendry; Mel Zemek; J.T. Lynch. **Purpose and Activity:** AID Consulting Engineers, Inc. is comprised of engineers and other professionals who provide services to insurance claims personnel and legal counsel in determining the causes of accidents and failures of various kinds. Specialists are grouped according to their area of expertise: mechanical engineering, fire and explosion technology, laboratory analysis, civil engineering and electrical engineering. When an assignment is received, the professional whose training and experience are best

suited for the project is given the responsibility. All laboratory facilities as well as the expertise of other staff specialists are available to augment the investigation.

★ 6614 ★

AIR PLASTICS, INCORPORATED

Post Office Box 42067

Cincinnati, OH 45242

Phone: (513) 984-0040

Founded: 1971. **Principal Executive(s):** S. Raymond Woll, President. **Purpose and Activity:** Offers technical counsel in the areas of air control of corrosive fumes, corrosion control, ventilation of corrosive atmospheres, air pollution control and odor control, and evaporative cooling.

★ 6615 ★

AIR POL INC.

145 Cedar Lane

Englewood, NJ 07631

Phone: (201) 871-3855

Branch Office(s): Bakersfield, California. **Principal Executive(s):** James A. Gross, Vice President; Daniel E. Pike, Vice President. **Purpose and Activity:** Air pollution consultants specializing in control equipment and systems, and cogeneration systems.

★ 6616 ★

AIR POLLUTION TECHNOLOGY INCORPORATED

5191 Santa Fe Street

San Diego, CA 92109

Phone: (619) 272-0050

Founded: 1970. **Principal Executive(s):** Ronald G. Patterson, President; Seymour Calvert; Shui-Chow Yung. **Purpose and Activity:** Specializes in the design and development of control devices for particulate and gaseous emissions from stationary industrial sources. Also provides engineering services and stack testing.

★ 6617 ★

AIRCRAFT POWERPLANT CONSULTING COMPANY

1701 26th Avenue

Vero Beach, FL 32960

Phone: (305) 567-6362

Founded: 1984. **Principal Executive(s):** James W. Riherd. **Purpose and Activity:** General aviation consultants specializing in aircraft powerplant installations. Services include engine assemblies and accessories; propellers, spinners, governors; induction, turbosupercharging, exhaust, oil, fuel, engine controls; engine instruments, cowling, vibration isolators and baffle systems. Also offers experimental development and FAA certification testing.

★ 6618 ★

AIRFLOW SCIENCES CORPORATION

37461 Schoolcraft Road

Livonia, MI 48150

Phone: (313) 464-8900

Founded: 1975. **Principal Executive(s):** Robert L. Gielow, President; James C. Paul, Executive Vice President; Robert K. Nelson, Vice President. **Purpose and Activity:** Offers technical counsel on aerodynamic analysis and design. Areas covered include reduction of vehicle drag, improvements in air handling equipment efficiency, race car aerodynamics, axial and centrifugal fan design, custom computerized flow modeling services and physical testing. Experienced in the application of numerical flow simulation methods to the analysis and design of customer products including automobiles, trucks, trains, fans, and other air handling systems. Clients served include: vehicle manufacturers; cooling system engineers; heating, ventilation and air conditioning duct and fan designers; and any individuals interested in modeling and understanding gas flow behavior.

★ 6619 ★

ALASKA EXPLORATION CORPORATION

Box 4-1261

Anchorage, AK 99509

Phone: (907) 277-7887

Founded: 1964. **Principal Executive(s):** Gerald Ganopole, President. **Purpose and Activity:** Consultants in oil, gas, and mineral exploration development and management.

★ 6620 ★

LEE ALDERUCCIO & ASSOCIATES INC.

Box 17066

West Hartford, CT 06117

Phone: (203) 523-5895

Founded: 1969. **Principal Executive(s):** C.L. Alderuccio, President and Treasurer; B.H. Alderuccio, Vice President and Secretary; L. Cuccia; D.L. Alderuccio. **Purpose and Activity:** Offers industrial consulting services in the area of air and water pollution abatement for the various metal finishing applications utilized by industry and government.

★ 6621 ★

ALIBERTI, LAROCHELLE & HODSON ENGINEERING

436 Main Street

Lewiston, ME 04240

Phone: (207) 783-2058

Founded: 1955. **Principal Executive(s):** Donald R. LaRochelle, Chairman; John G. Aliberti, President; Ernest A. Ray, Vice President; Arthur W. Montana, Treasurer. **Purpose and Activity:** Provides engineering consulting services in civil, structural, mechanical, and electrical engineering, and construction management.

★ 6622 ★

ALKEM, INC.

25 Glendale Road

Summit, NJ 07901

Phone: (201) 277-0060

Founded: 1978. **Principal Executive(s):** Alan W. Schneider, President. **Purpose and Activity:** Environmental/engineering consultant offering services to solve custom processing problems and to identify byproduct recovery opportunities. Emphasis on compliance with regulations of the Tax Substances Control Act.

★ 6623 ★

ALLEN AND GARCIA COMPANY

332 South Michigan Avenue

Chicago, IL 60604

Phone: (312) 427-2471

Founded: 1911. **Principal Executive(s):** H.E. Larson, President; O.E. Brumbaugh, Vice President; Engineering C.A. Blanchflower, Vice President; Sales T.J. Kavanaugh, Vice President Finance. **Purpose and Activity:** Offers technical counsel on the procurement and construction of materials handling systems and coal preparation, and performs feasibility studies for coal, salt, mining, materials handling, and processing.

★ 6624 ★

ALLEN AND HOSHALL

2430 Poplar Avenue

Memphis, TN 38112

Phone: (901) 327-8222

Branch Office(s): Jackson, Mississippi; Knoxville, Tennessee; Nashville, Tennessee. **Principal Executive(s):** J.M. Bonner; A.R. Kelley; W.L. Wood, Jr.; F.B. Gianotti, III; J.T. Barnett. **Purpose and Activity:** Provides consulting services in the fields of architectural, civil, electrical, mechanical, and structural engineering. Designs, reports, appraises, evaluates, and supervises construction; contracts negotiation and does studies and cost estimates.

★ 6625 ★

CLAYTON H. ALLEN CORPORATION

80 South Road

Chebeague Island, ME 04017

Phone: (207) 846-6325

Founded: 1974. **Principal Executive(s):** Clayton H. Allen, President. **Purpose and Activity:** Acoustical consultants offering industrial acoustic research and development services and design of engineering noise control systems.

★ 6626 ★

JOHN J. ALLEN ASSOCIATES, INC.

4424 Montgomery Avenue

Bethesda, MD 20814

Phone: (301) 656-9550

Founded: 1973. **Principal Executive(s):** John J. Allen, Jr., President; John A. Ernst, III, Secretary; George Lissenden, Treasurer. **Purpose and Activity:** Provides consulting civil engineering, planning and land surveying services to developers, builders and municipalities.

★ 6627 ★

ALLEN ORGANIZATION

Department of Rist-Frost Associates

Post Office Box 720

Airport Road

Laconia, NH 03246

Phone: (603) 524-4647

Founded: 1945. **Branch Office(s):** Glens Falls, New York; Watertown, New York. **Principal Executive(s):** John L. Dickey, Director. **Purpose and Activity:** A consulting firm specializing in park and recreation planning and engineering, including comprehensive municipal park and recreation plans; master plans for parks and recreation areas; complete engineering services prior to and during construction of park and recreation facilities.

★ 6628 ★

ALLGEIER, MARTIN & ASSOCIATES, INC.

Box 2627

Joplin, MO 64803

Phone: (417) 624-5703

Founded: 1954. **Principal Executive(s):** Kent W. Martin, President; Vernon R. Lawson, Vice President; Charles C. Davidson, Vice President; Emmett G. Green, Vice President. **Purpose and Activity:** Professional engineers, geologists and surveyors providing services to municipalities, counties, utilities, architects, builders, industries, institutions and land developers.

★ 6629 ★

ALLIED LABORATORIES, LTD.

716 North Iowa Avenue

Villa Park, IL 60181

Phone: (312) 279-0390

Founded: 1960. **Principal Executive(s):** Irving I. Domskey. **Purpose and Activity:** Offers environmental consulting services in pollution control (both air and water) and formulation of detergent products and cosmetics.

★ 6630 ★

ALPHA CONSULTING

407 Cabo San Lucas Circle

Santa Maria, CA 93455

Phone: (805) 925-6282

Founded: 1981. **Principal Executive(s):** Everett T. Brown, President. **Purpose and Activity:** Consultant to the defense electronics industry in the management of high technology programs.

★ 6631 ★

ALPHA-OMEGA GEOTECH, INC.

3825 Fairbanks Road

Post Office Box 6347

Kansas City, KS 66106

Phone: (913) 371-0000

Founded: 1982. **Principal Executive(s):** Roy J. Leonard, President; Edith G. Leonard, Secretary and Treasurer. **Purpose and Activity:** Geotechnical engineering consultants offering the following services: subsurface investigations; testing of soil and rock in-place and in the laboratory; design and analysis of foundations of structures, earth and rock fill dams, natural slopes, retaining walls and tunnels; and quality control of earthwork, foundation installation and tunnelling.

★ 6632 ★

ALPHA R&D, INC.

2402 North Sheridan Road

Tulsa, OK 74115

Principal Executive(s): W.E. Robb, President. **Purpose and Activity:** Offers technical consulting services in the engineering design of mechanical systems, materials handling, combustion, fluid liquid and gas measurement, valves, and structures for performing arts centers (stage equipment, acoustical panels, ceilings).

★ 6633 ★

ALTERNATIVE ENERGY SYSTEMS

Post Office Box 295

Winthrop, WA 98862

Phone: (509) 996-2490

Founded: 1973. **Principal Executive(s):** Aileen Jeffries. **Purpose and Activity:** Offers consulting on energy management: residential and commercial. Emphasis on alternative energy systems.

★ 6634 ★

AMB ENGINEERING SERVICE

Post Office Drawer AMB

Amity Station

New Haven, CT 06525

Phone: (203) 397-2713

Principal Executive(s): Ara M. Baltayan. **Purpose and Activity:** Provides engineering and consulting service to land developers, architects and private owners regarding traffic impact studies, parking facility design, electrical design, drainage design, heating and ventilation, and water supply systems.

★ 6635 ★

AMBIENT ANALYSIS, INC.

729 Walnut Street, Suite C

Boulder, CO 80302

Phone: (303) 442-5305

Founded: 1974. **Principal Executive(s):** Alvin L. Morris, President; David R. Street. **Purpose and Activity:** Offers meteorological and air quality consulting for mining, power generating facilities, land use planning, and related sectors.

★ 6636 ★

AMBOR

Five Delphi Circle

Andover, MA 01810

Phone: (617) 475-6061

Founded: 1979. **Branch Office(s):** Lyon, France; Zurich, Switzerland; Milan, Italy. **Principal Executive(s):** Thomas P. Bor; Thierry de la Marnierre. **Purpose and Activity:** Offers chemical engineering process and equipment design, and marketing consulting services internationally in the chemical, pharmaceutical, and polymer industries.

★ 6637 ★

AMBRIC TESTING AND ENGINEERING ASSOCIATES, INCORPORATED

4041 Ridge Avenue

Philadelphia, PA 19129

Phone: (215) 438-2688

Founded: 1957. **Branch Office(s):** Alexandria, Virginia; Dover, Delaware; Elmwood Park, New Jersey. **Principal Executive(s):** D.D. Meisel, President/Treasurer; A. Harmelin, Secretary. **Purpose and Activity:** Provides laboratory testing, engineering and inspection services and consultation to the construction industry. Also offers seismographic, geotechnical and chemical services.

★ 6638 ★

AMENITY ONE, INCORPORATED

Five Yellow Birch Road

Saint Paul, MN 55110

Phone: (612) 429-6565

Founded: 1970. **Principal Executive(s):** Clarence Smith, President; Mary Smith, Vice President. **Purpose and Activity:** Offers consultation in the following areas: corporate, urban and regional planning, landscape architecture, and land development planning and design.

★ 6639 ★

AMERICAN STANDARDS TESTING BUREAU, INCORPORATED

40 Water Street

New York, NY 10004

Phone: (212) 943-3156

Founded: 1916. **Branch Office(s):** Albany, New York; Atlanta, Georgia; Baltimore, Maryland; Boston, Massachusetts; Dallas, Texas; Detroit, Michigan; Little Rock, Arkansas; Los Angeles, California; Montgomery, Alabama; Philadelphia, Pennsylvania; Phoenix, Arizona; Pittsburgh, Pennsylvania; Richmond, Virginia; Saint Louis, Missouri; San Diego, California; San Francisco, California; Seattle, Washington; Washington, D.C.; Virgin Islands. **Principal Executive(s):** E. Grace, Chairman of the Board and President; J. Booth, Vice President; R. Moffett, Treasurer and Secretary; V. Morfopoulos, Technical Director. **Purpose and Activity:** Provides complete consulting and laboratory services in all areas of engineering and applied sciences. Major source of expert services in product and process development, safety and product liability studies, environmental control, technical feasibility studies, operations research, contract dispute arbitration, patent development and legal engineering aspects of risk management. Consultants in international procurement and technology transfer.

★ 6640 ★

AMERICAN SYSTEMS CORPORATION

7535 Little River Turnpike

Annandale, VA 22003

Phone: (703) 941-6510

Founded: 1974. **Branch Office(s):** Bangor, Washington; Groton, Connecticut; Newport, Rhode Island; Orlando, Florida. **Principal Executive(s):** H. Thomas Curran, Chairman; Forrest C. Ramsey, Jr., President. **Purpose and Activity:** Performs system engineering of computer-based electronic systems for government and installation of communications equipment for commercial organizations.

★ 6641 ★

AMERICAN TECHNOLOGY APPRAISAL SERVICE

Post Office Box 68, Kenmore Station

Boston, MA 02215

Phone: (617) 261-8500

Founded: 1968. **Principal Executive(s):** Adolf F. Monosson, Chairman of the Board; S. Paul Blumenthal, Senior Vice President; Jonathan C. Moody, Vice President. **Purpose and Activity:** Provides counsel on present value, future value, and liquidating values of all high technology and technology related equipment including computers, cable television, telephone, robotics, etc.

★ 6642 ★

AMERICAN WASTE PROCESSING

Post Office Box 306

Maywood, IL 60153

Phone: (312) 681-3999

Founded: 1967. **Principal Executive(s):** William Vajdik, President; Frank Brown, Vice President. **Purpose and Activity:** Consultants in hazardous wastes management, treatment and disposal.

★ 6643 ★

AMERICAN WELL SERVICES INC.

1239 South Main

Box 612

Altus, OK 73522

Phone: (405) 482-8365

Founded: 1950. **Branch Office(s):** Oklahoma City, Oklahoma. **Principal Executive(s):** Allen G. Hawkins, President. **Purpose and Activity:** Geotechnical consultants specializing in oil and gas exploration.

★ 6644 ★

AMUEDO AND IVEY, INC.

2425 South Colorado Boulevard, No. 200

Denver, CO 80222

Phone: (303) 758-1231

Founded: 1953. **Principal Executive(s):** Curtis L. Amuedo, President; John B. Ivey, Vice President. **Purpose and Activity:** Consulting engineers active in mining, petroleum, and land development. Also act as mineral and petroleum investment advisors.

★ 6645 ★

ANACAPA SCIENCES, INC.

Post Office Drawer Q

Santa Barbara, CA 93102

Phone: (805) 966-6157

Founded: 1969. **Principal Executive(s):** Douglas H. Harris, President; Kenneth D. Cross, Vice President; Walter R. Harper, Vice President. **Purpose and Activity:** Offers human factors consulting to aerospace, automotive, computer, electronics, nuclear, oil-field service, and telecommunications industries.

★ 6646 ★

ANALYTICAL RESEARCH & DEVELOPMENT INC.

15 Main Street

Post Office Box 175

Eatontown, NJ 07724

Phone: (201) 542-0437

Founded: 1978. **Principal Executive(s):** Darivs L. Castellini, President; Carl Orlando, Vice President; Irving Bauman, Vice President. **Purpose and Activity:** All consulting work performed within scientific and engineering fields as specifically related to studies, analyses, and evaluations in electronics, mechanics, materials, chemistry, lasers, optics and the integration of these in such fields as intelligence, surveillance, reconnaissance, aerial and ground, and attended and unattended data and video processing system components. The firm will develop concepts, formulate design parameters, design models, experiment and formulate parameters and design criteria for overall system performance and related activity.

★ 6647 ★

ANALYTICAL SERVICES LABS INCORPORATED

27 Park Place

New York, NY 10007

Phone: (212) 964-4821

Principal Executive(s): J.V. Lauro. **Purpose and Activity:** Offers analysis, research, and consultation for inedible and edible fats and oils, soap, shellac, and cargo damage for such items.

★ 6648 ★

ANDERSEN, BJORNSTAD, KANE, JACOBS, INC.

1300 Dexter Horton Building

Seattle, WA 98104

Phone: (206) 382-0956

Founded: 1956. **Branch Office(s):** Anchorage, Alaska; Denver, Colorado. **Principal Executive(s):** Arthur B. Andersen, Chief Executive Officer; Thomas A. Kane, President; Arthur R. Jacobs, Executive Vice President. **Purpose and Activity:** A firm of consulting civil and structural engineers active in the design of bridges, highways, buildings, piers, fish hatcheries, food process and storage facilities, and industrial facilities for governmental, institutional and private sector.

★ 6649 ★

A. LYNN ANDERSON & ASSOCIATES

800 North Main

Heritage Office Building

Antioch, IL 60002

Phone: (312) 395-4880

Founded: 1978. **Principal Executive(s):** A. Lynn Anderson. **Purpose and Activity:** Consultant for new products and processes. Emphasis on fire retardants, organic halogen compounds and organic synthesis. Additional background in surfactants, plastic additives and related specialty chemicals. Offers evaluation of current research and development programs and research ideas. Also offers counsel on research planning. Provides literature searches and limited technical staff recruiting.

★ 6650 ★

ANDERSON & ASSOCIATES, INC.

919 F.M. Road 1959

Houston, TX 77034

Phone: (713) 481-5840

Branch Office(s): Fort Worth, Texas. **Principal Executive(s):** Robert Clark Anderson, President; Stephen C. Anderson, Vice President; Raymond J. Schiltz, Jr. **Purpose and Activity:** Firm of consulting metallurgical engineers with a well-equipped laboratory and machine shop, specializing in the analysis of metal failures.

★ 6651 ★

ANDERSON ENGINEERING

607 Lookout Drive

Sunnyside, WA 98944

Phone: (509) 837-4454

Founded: 1971. **Principal Executive(s):** Vernon L. Anderson. **Purpose and Activity:** Offers consulting engineering services in the design, construction, operation, and maintenance of food processing and storage facilities, commercial and industrial structures, materials handling systems, water and waste handling and treatment systems, and real estate subdivisions.

★ 6652 ★

ANDERSON GEOTECHNICAL CONSULTANTS

631 Commerce Drive

Roseville, CA 95678

Phone: (916) 969-8333

Founded: 1971. **Branch Office(s):** Sacramento, California; Nevada City, Nevada. **Principal Executive(s):** Gery F. Anderson, President. **Purpose and Activity:** Provides services in the earth science fields: geology, soil engineering, foundation engineering, earthquake engineering and related sciences. Consulting services include: soil and geological investigations, environmental impact studies; earthquake ground response studies; geophysical investigations; compaction testing (trench backfill-fill); ground-water and surface water quality as related to soil and geologic conditions, pavement design (studies and testing); photogeologic studies; soil testing (field and laboratory); design of earth dams and rockfill dams, soil and geology feasibility reports, and nuclear density testing.

★ 6653 ★

JACK ANDERSON ASSOCIATES

165 Wildwood Ave.

White Bear Lake, MN 55110

Phone: (612) 426-5777

Founded: 1972. **Principal Executive(s):** Jack W. Anderson. **Purpose and Activity:** Consulting traffic engineers with expertise in traffic and highway design and related accident investigation and reconstruction. Available as expert witnesses for relevant cases.

★ 6654 ★

JAMES C. ANDERSON ASSOCIATES

Post Office Box 110

Camden, NJ 08101

Phone: (609) 541-7707

Founded: 1983. **Principal Executive(s):** James C. Anderson, President. **Purpose and Activity:** Solid waste management consultants.

★ 6655 ★

ANDERSON LABORATORIES

6330 Industrial Loop

Greendale, WI 53129

Phone: (414) 421-7600

Founded: 1939. **Principal Executive(s):** R.A. Krause, President; L.W. Krause, Vice President; M.H. Buchholz, Secretary; R.B. Meyer, Treasurer. **Purpose and Activity:** Metallurgical chemists and consultants employing all types of chemical and physical testing of metals and other materials. Facilities include x-ray and arc spectrographs, atomic absorption equipment and salt spray equipment. Physical testing equipment includes charpyizod capabilities and hardness test equipment.

★ 6656 ★

R.C. ANDERSON, INC.

900 North San Antonio Road, #204

Los Altos, CA 94022

Phone: (415) 949-2310

Founded: 1976. **Principal Executive(s):** Richard C. Anderson, President; John R. Hulme, Vice President. **Purpose and Activity:** Provides consulting services, design standards, and reference materials to help firms design and produce their own custom and semi-custom integrated circuits with minimum cost and risk. Specific services include feasibility evaluation, technology selection, make/buy strategy selection, specifications development, vendor surveys, and development contract monitoring. The firm also performs market studies for clients desiring to offer custom IC design or fabrication services in the United States.

★ 6657 ★

ANDREWS & CLARK

49 West 37th Street

New York, NY 10018

Phone: (212) 869-7800

Founded: 1938. **Branch Office(s):** Amherst, New Hampshire; Newark, New Jersey. **Principal Executive(s):** Ernest J. Clark; Donald W. Smith; Adolph A. Trinidad, Jr. **Purpose and Activity:** Offers total planning for transportation: design and inspection of construction of expressways, parkways, bridges and related railroad facilities; highway and railroad bridge inspection and rehabilitation. Other areas of specialized service include planning, design and related inspection services for parks, playgrounds, waterfront developments, storm and sanitary sewer systems.

★ 6658 ★

ANGEVINE ACOUSTICAL CONSULTANTS, INC.

7349 Davis Road

West Falls, NY 14170

Phone: (716) 652-0282

Principal Executive(s): O.L. Angevine, President; Eric N. Angevine, Vice President. **Purpose and Activity:** Consulting to industry, architects, engineers, builders and building owners in the areas of acoustical engineering, vibration and noise control. Also presents specially-designed seminars to clients' staff in these areas upon request.

★ 6659 ★

ANGIER ASSOCIATES INC.

1300 Edwards Road

Greenville, SC 29615

Phone: (803) 268-1875

Founded: 1982. **Principal Executive(s):** Derek J. Angier, President. **Purpose and Activity:** Technical consultants serving chemical, plastics, and rubber industries with advice to improve research and development productivity, and to improve the technical base for new businesses.

★ 6660 ★

ANGOTTI ASSOCIATES

1354 Chertsey Court

San Jose, CA 95131

Phone: (408) 729-0700

Founded: 1975. **Principal Executive(s):** Carl A. Angotti. **Purpose and Activity:** Consulting electronics engineer working in design, development and analysis of digital and analog circuits and systems for industrial designs. Includes CRT-based systems, microcomputer based systems, industrial process control and numerous other electronics interface based systems. Also custom tests systems for electronic products. Includes manufacturing startup, problem identification and solutions.

★ 6661 ★

ANRESCO, INC.

1370 Van Dyke Avenue

San Francisco, CA 94124

Phone: (415) 822-1100

Founded: 1943. **Principal Executive(s):** Sylvan Eisenberg, President; David Eisenberg. **Purpose and Activity:** Offers a wide variety of consulting services in food, research and development, quality control and forensic science. Clients include attorneys, insurance companies, and surveyors. Recent projects have included investigating and solving an odor problem in doughnut production, investigating and solving non-uniform distribution of drugs into animal feed, and an investigation for a lawsuit covering flammability of textiles.

★ 6662 ★

ZAFAR S. ANSARI & ASSOCIATES

Post Office Box 44471

Indianapolis, IN 46204

Phone: (317) 787-8222

Founded: 1979. **Principal Executive(s):** Zafar S. Ansari, President. **Purpose and Activity:** A firm of consulting engineers, land surveyors, and construction managers serving transportation departments/public works, the Environmental Protection Agency, the Soil Conservation Service, and similar groups.

★ 6663 ★

APPLIED ENVIRONMENTAL SERVICES

1436 Tipperary

Boulder, CO 80303

Phone: (303) 666-5160

Founded: 1982. **Principal Executive(s):** Edward G. Wolf. **Purpose and Activity:** Environmental consultants with experience in environmental assessment, environmental baseline studies, mining and reclamation permit applications preparation, permit evaluation and strategy, and radioactive materials handling license preparation.

★ 6664 ★

APPLIED MAGNETICS LABORATORY INC.

9010 Liberty Road

Randallstown, MD 21133

Phone: (301) 655-5800

Founded: 1983. **Principal Executive(s):** Charles A. Castronovo; Linda L. Nolan. **Purpose and Activity:** Offers magnetism engineering consulting including research and development, instrumentation, new products, systems and processes, specialty equipment, and research magnets. Serves all major industries as well as universities and governments.

★ 6665 ★

APPLIED PROGRESSIVE TECHNOLOGY INC.

Post Office Box 189

Denver, PA 17517

Phone: (215) 267-4944

Founded: 1979. **Branch Office(s):** Reading, Pennsylvania. **Principal Executive(s):** David P. Cunningham, President; Paul G. Hull, Jr., Executive Vice President. **Purpose and Activity:** Consulting engineers specializing in environmental areas and processes related to waste, wastewater, and hazardous waste. Also performs related research and development functions. Active with the following industries: electronics, chemical, textile, nonferrous and ferrous metals, food, and pharmaceutical.

★ 6666 ★

APPLIED RESEARCH ASSOCIATES, INC.

51 Bellevue Street

Dorchester, MA 02125

Phone: (617) 288-8475

Founded: 1967. **Principal Executive(s):** Gerard W. Renner, President. **Purpose and Activity:** Offers consulting, research and development in acoustics, telecommunications, and biomedical engineering.

★ 6667 ★

APPLIED RESEARCH LABORATORIES OF FLORIDA, INCORPORATED

5371 Northwest 161 Street

Miami, FL 33014

Phone: (305) 624-4800

Founded: 1949. **Principal Executive(s):** James G. Worth, President; Frances L. Bahlke, Executive Vice President; Robert W. Low, Vice President; Burch B. Stewart, Assistant Secretary. **Purpose and Activity:** An independent commercial research and testing laboratory specializing in building construction materials/systems; fire resistivity testing/research; analytical chemistry; x-ray/emission spectrography; metallurgy; engineering tests; product safety testing; consumer safety listing; labeling and reinspection program; air-water pollution studies; product/materials research and development programs; environmental research/testing; engineering studies/design/development/research programs and materials failure analysis.

★ 6668 ★

APPLIED SCIENCE CORPORATION

4205 West 91st Street

Shawnee Mission, KS 66207

Phone: (913) 648-0117

Founded: 1977. **Principal Executive(s):** Robert H. Crowther, President; Mary M. Crowther, Secretary and Treasurer. **Purpose and Activity:** Consultants in energy process technology and economics. Areas of experience include petroleum refining, petrochemicals, oil shale, other synthetic fuels, and evaluation of contemplated acquisitions and new ventures.

★ 6669 ★

APPLIED TECHNICAL SERVICES, INC.

1990 Delk Industrial Boulevard

Marietta, GA 30067

Phone: (404) 952-8705

Principal Executive(s): J.F. Hills, President; W.H. Lewis, Vice President; R.W. Dunning. **Purpose and Activity:** Offers independent laboratory and consulting services for mechanical testing, chemical analysis, metallurgy, failure analysis, nondestructive testing, environmental testing, and arson investigation.

★ 6670 ★

AQUA-TECH GEOTECHNICAL CONSULTANTS, INC.

10 Lamoreaux, Northeast

Comstock Park, MI 49321

Phone: (616) 784-4019

Founded: 1982. **Principal Executive(s):** Lawrence M. Austin, President; Herman W. DeLano, Secretary and Treasurer. **Purpose and Activity:** Hydrogeological consultants offering services in solid waste disposal, wastewater treatment, water supply, spill containment and cleanup, ground water contamination studies, and ground water/surface water modeling.

★ 6671 ★

AQUALAB, INC.

Route 20 at Valley Lane

Streamwood, IL 60103

Phone: (312) 289-3100

Founded: 1972. **Branch Office(s):** Austin, Texas; Rockford, Illinois. **Principal Executive(s):** William J. Gartner, President; Elwood A. Brent, Vice President; Stanley S. Zaworski, Vice President. **Purpose and Activity:** An analytical and consulting laboratory in the fields of: water and wastewater treatment, hazardous waste analysis, landfill monitoring, priority pollutant analysis, NPDES permitting, and public water supply testing.

★ 6672 ★

AQUATIC CONTROL, INCORPORATED

Post Office Box 100

Seymour, IN 47274

Phone: (812) 497-2410

Founded: 1966. **Principal Executive(s):** Chester J. Rust, President; Robert L. Johnson, Secretary and Treasurer; David Isaacs. **Purpose and Activity:** Provides consulting services in aquatic and terrestrial ecology, including fish and wildlife population management, industrial fish and wildlife enhancement programs, aquatic weed control, fish stocking, management of cooling reservoirs, and lake aeration equipment, consultation installation and maintenance.

★ 6673 ★

ARCE AND HENDRIX ENGINEERS, INC.150 Executive Drive
Box 27

Greenville, SC 29615

Phone: (803) 288-7181

Founded: 1977. **Principal Executive(s):** James T. McCarter, President; Miguel A. Arce, Executive Vice President. **Purpose and Activity:** Offers chemical, mechanical, instrumentation, electrical, environmental, civic, and structural engineering consulting services to the pharmaceutical, specialty chemicals, electronics and high technology industries, metal finishing/treatment industries, food processing industry, and textile industries.

★ 6674 ★

ARCHER-SPENCER ENGINEERING ASSOCIATES, INCORPORATED

1505 Chapala Street

Santa Barbara, CA 93101

Phone: (805) 963-7766

Founded: 1958. **Principal Executive(s):** George L. Spencer, President; Masato Okamoto, Treasurer; James McKenzie, Secretary. **Purpose and Activity:** Provides complete mechanical and electrical consulting services for hospitals, educational complexes, commercial, industrial and public buildings. Services include outdoor and street lighting; electrical power and distribution; on-site utility systems such as sewers, storm drains, water, gas, and electricity; central plants; pollution control and energy conservation.

★ 6675 ★

ARITHMOI CONSULTANTS INTERNATIONAL

60 East 42nd Street, Suite 411

New York, NY 10165

Phone: (212) 866-1645

Founded: 1981. **Principal Executive(s):** Alexander A. Ryabov, President. **Purpose and Activity:** Offers consulting services in all fields of applied mathematics: analysis, operations research, probability, statistics. Specializes in mathematical and statistical problems in economics, technology, and political economy for public and private organizations here and abroad, research institutes, engineering and architectural firms, and planning companies. Also specializes in microgeneconomics: the quantitative cost/benefit analysis of the human factor in the economic and institutional equation with the aim of maximizing utility of the input of labor and minimizing the detrimental effects of the enterprise's activity on the human and biophysical environment.

★ 6676 ★

ARIZONA TESTING LABORATORIES

817 West Madison Street

Phoenix, AZ 85007

Phone: (602) 254-6181

Founded: 1932. **Principal Executive(s):** Steven Hankins, President and Treasurer; Claude E. McLean, Jr., Vice President and Secretary. **Purpose and Activity:** Performs testing of water and wastewater as well as testing of materials for the agricultural and mining industries.

★ 6677 ★

ARMBRUSTER ASSOCIATES

43 Stockton Road

Summit, NJ 07901

Phone: (201) 277-1614

Founded: 1982. **Principal Executive(s):** David C. Armbruster, President. **Purpose and Activity:** Chemical consultants serving worldwide clients in the chemical, electronics, petroleum, pharmaceutical and plastics industries, offering business, planning and technical consulting services and studies. Activities cover: marketing, technology, research and development, new business opportunities, new markets/products/ventures, product line expansion and introduction, feasibility, commercial development, corporate profiles, patent analysis, seminars, custom manufacturing, expert witness, licensing/technology transfer and technology acquisition. Specialization covers the following products: coatings, inks, paints, adhesives and sealants, plastics, organic chemicals/intermediates, heterocycles, monomers, polymers, radiation curing/photopolymers, emulsion polymers, specialty chemicals, acrylics, epoxies, urethanes, photoresists and water treatment chemicals.

★ 6678 ★

ARMS AND ASSOCIATES

4253 25th Street, North

Arlington, VA 22207

Phone: (703) 522-2828

Founded: 1959. **Principal Executive(s):** Richard E. Arms. **Purpose and**

Activity: Offers urban and regional planning including village, town, city, county and regional planning; land economics, real estate planning and development; residential, commercial and industrial market analysis, land planning and design; special community studies (saturation studies of branch banking, Community Antenna TV); and site planning (mixed use projects, town house development, subdivision design).

★ 6679 ★

ARMSBY ENGINEERING, INC.

16 Prescott Street

Newtonville, MA 02160

Phone: (617) 964-6900

Founded: 1980. **Principal Executive(s):** Charles E. Armsby, President. **Purpose and Activity:** Offers study, evaluation and counsel on the design of fossil fuel-fired power plants, co-generation facilities and energy distribution systems.

★ 6680 ★

ARMSTRONG ENGINEERING

117 Rexford Avenue

Pasadena, CA 91107

Phone: (818) 351-9447

Founded: 1979. **Principal Executive(s):** Robert W. Armstrong. **Purpose and Activity:** Offers consulting to manufacturing and defense aerospace industries in image processing, pattern recognition and tracking and guidance systems. Provides consulting to industry and construction in automatic control system design, development and prototype fabrication. Serves as expert witness in automatic control defect and fault involving numerical control, automated manufacturing, and other automated systems.

★ 6681 ★

DOUG ARNOLD & ASSOCIATES, INC.

1919 Shiloh Road, Suite 205

Garland, TX 75042

Phone: (214) 487-0880

Founded: 1982. **Branch Office(s):** Lubbock, Texas. **Principal Executive(s):** Douglas L. Arnold, President; Deborah R. Hulén; Michael D. Coke; Dale C. Rylander. **Purpose and Activity:** Offers electronic communications consulting.

★ 6682 ★

ARORA AND ASSOCIATES

65 Wolfpack Road

Mercerville, NJ 08619

Phone: (609) 586-2482

Founded: 1981. **Branch Office(s):** New York, New York. **Principal Executive(s):** Surinder S. Arora, President. **Purpose and Activity:** A certified minority business enterprise providing professional engineering services in civil, electrical and mechanical engineering.

★ 6683 ★

ARRO LABORATORIES, INCORPORATED

Post Office Box 686

Caton Farm Road

Joliet, IL 60434

Phone: (815) 727-5436

Founded: 1965. **Principal Executive(s):** Robert Rolih, President; Terese Laciak. **Purpose and Activity:** A service laboratory that employs microbiologists, chemists and chemical engineers, who in addition to performing analytical services, also act as consultants in the areas of: quality control, waste water management, compliance with environmental standards, interpretation of test results, development of analytical methods, scale up of evaporation, crystallization, flocculation, flotation, or ion exchange procedures.

★ 6684 ★

ARTHUR TECHNOLOGY, INC.

Post Office Box 1222

548 Prairie Road

Fond du Lac, WI 54935

Phone: (414) 922-6973

Founded: 1956. **Principal Executive(s):** Robert M. Arthur, President. **Purpose and Activity:** Dedicated to providing research and development, consulting, testing and training services to the bioconversion processes field in water and solid waste disposal, fermentation and education.

★ 6685 ★

ASSOCIATED COMMUNICATIONS ENGINEERS

Post Office Box 1204

Campbell, CA 95009

Phone: (408) 866-9559

Founded: 1959. **Principal Executive(s):** Merle D. Burchardt, President.**Purpose and Activity:** Offers telecommunications engineering and management consulting services.

★ 6686 ★

ASSOCIATED CONSULTANTS, INCORPORATED

3131 Fernbrook Lane North

Minneapolis, MN 55441

Phone: (612) 559-5511

Founded: 1950. **Principal Executive(s):** Donald E. Swanson, President; David P. Schmidt, Vice President; Carl L. Wardlow, Vice President; R.E. Palmquist; Michael Thielen. **Purpose and Activity:** Performs planning and feasibility studies for municipal utilities (electrical, water and wastewater). Also designs electric power plants, electrical distribution systems, water treatment and storage facilities, and wastewater treatment facilities.

★ 6687 ★

ASSOCIATED CONSULTING ENGINEERING SERVICES, INC.

1930 Warrington

Detroit, MI 48221

Phone: (313) 341-6972

Founded: 1974. **Principal Executive(s):** Constancio F. Miranda, President.**Purpose and Activity:** Offers consulting services in structural engineering, computer applications, structural mechanics, product development and testing for structural and functional integrity, statistical methods, operations research, energy and environmental engineering.

★ 6688 ★

ASSOCIATED ENGINEERING, INCORPORATED

12 West 32nd Street

New York, NY 10001

Phone: (212) 564-5666

Founded: 1978. **Branch Office(s):** Franklin Lakes, New Jersey. **Principal Executive(s):** H.C. Fisher Kenneth Ozer. **Purpose and Activity:** Offers technical engineering counsel in disciplines involving power, chemical process, industrial, pharmaceutical, building structures, dock facilities, water works, materials handling, substitute energy, and general work efforts as well as construction management services.

★ 6689 ★

ASSOCIATED GEOLOGISTS

205 Southwest G Street

Grants Pass, OR 97526

Phone: (503) 476-6881

Founded: 1960. **Principal Executive(s):** Lloyd Frizzell. **Purpose and Activity:** Offers geological consulting that includes exploration and development and investment counseling in mining projects and stocks.

★ 6690 ★

ASSOCIATED LABORATORIES, INCORPORATED

1323 Wall Street

Post Office Box 15705

Dallas, TX 75215

Phone: (214) 565-0593

Founded: 1923. **Principal Executive(s):** Sidney Lee, Chairman; Theodore P. Pritsker, President. **Purpose and Activity:** Consulting chemists and chemical engineers, quality control inspectors, chemical analysts, research and development in the field of chemical usage, sealant development and building materials. Building component testing and quality control systems and programs; product liability and forensic science investigations; data acquisition and court testimony.

★ 6691 ★

ASSOCIATED TECHNOLOGY CONSULTANTS

Route 2, Box 448

Estill Springs, TN 37330

Phone: (615) 837-4718

Founded: 1978. **Principal Executive(s):** Michael A. Neighbors, President. **Purpose and Activity:** Associated Technology Consultants (ATC) is a small business research and engineering consulting firm with scientific and technical skills in a variety of disciplines. The company is organized to support four major activities: Military Construction Programs - project development brochures, new starts, and economic analysis; Assistance to Architects and Engineers - integration of new technology, process studies, military practices, and design verification; Proposal Preparation and

Evaluation - new technology specifications, statement of work, data item descriptions, instruction to bidders, and evaluations; Technology Studies - control systems, missile simulation, computer systems and software, and data acquisitions.

★ 6692 ★

ASSOCIATES IN PLANNING AND DEVELOPMENT CONSULTING, INCORPORATED

Post Office Box 1555

Gainesville, GA 30503

Phone: (404) 536-3467

Founded: 1969. **Principal Executive(s):** Ramsis Baghose, President. **Purpose and Activity:** Organized to provide a full range of planning and design assistance to both governmental and private clients. Areas in which the firm provides consultation assistance include: city and regional planning, recreation comprehensive planning studies, prepare application to federal and state agencies for funding of recreation programs and projects, design recreation master plan and prepare working drawings (architectural, mechanical, electrical, etc.), implementation of recreation plans, preparation of a six-year capital improvements program including recreation aspects, and implementation strategies and techniques.

★ 6693 ★

ATEC ASSOCIATES, INC.

5150 East 65th Street

Indianapolis, IN 46220

Phone: (317) 849-4990

Founded: 1958. **Branch Office(s):** Birmingham, Alabama; Huntsville, Alabama; Denver, Colorado; Atlanta, Georgia; Savannah, Georgia; Griffith, Indiana; Louisville, Kentucky; Lexington, Kentucky; Columbia, Maryland; Salisbury, Maryland; Newport, North Carolina; Raleigh, North Carolina; Cincinnati, Ohio; Dayton, Ohio; Harrisburg, Pennsylvania; Dallas, Texas; Houston, Texas; Freeport, Texas. **Principal Executive(s):** Gerald D. Mann, President; William D. Dubois, Executive Vice President; Peter Bergman, Vice President. **Purpose and Activity:** A firm of consulting geotechnical, environmental and materials engineers.

★ 6694 ★

ATLANTIC GEOPHYSICAL COMPANY

1867 Garth Road

Philadelphia, PA 19116

Phone: (215) 676-6257

Founded: 1966. **Principal Executive(s):** Kalman N. Isaacs. **Purpose and Activity:** Consulting geophysicists offering processing and interpretation of geophysical survey data for the purpose of discovering and extending the knowledge of new petroleum and mineral deposits. Clients include oil companies, mining companies, United Nations, World Bank and various foreign governments.

★ 6695 ★

ATLANTIC RESEARCH CORPORATION

5390 Cherokee Avenue

Alexandria, VA 22312

Phone: (703) 642-4000

Founded: 1949. **Branch Office(s):** East Camden, Arkansas; Gainesville, Virginia. **Principal Executive(s):** C. Raphael, Chairman; W.H. Borten, President; W.G. Hamm, Executive Vice President; C.B. Henderson, Senior Vice President. **Purpose and Activity:** A large research and development firm offering electronics and communications engineering, testing, and consulting; telecommunications consulting; anti-pollution technology; composite materials technology; and propulsion technology. Services are provided to governmental, industrial, and commercial organizations.

★ 6696 ★

ATLANTIS EXPLORATION, INC.

827 Holly Street

Denver, CO 80220

Phone: (303) 321-4867

Founded: 1979. **Principal Executive(s):** Judi C. Culver, President. **Purpose and Activity:** Offers geological consulting, exploration and drilling supervision.

★ 6697 ★

ATLANTIS INC.

Post Office Box 10777

Beverly Hills, CA 90213

Phone: (213) 274-2211

Founded: 1958. **Branch Office(s):** Tallahassee, Florida; Arlington, Virginia. **Principal Executive(s):** J. Jamison Moore, Chief Executive Officer. **Purpose**

and Activity: Environmental consultants performing feasibility studies for capital investment programs, environmental analysis, land use planning, and marketing studies.

★ 6698 ★

ATLANTIS SCIENTIFIC

Post Office Box 10777

Beverly Hills, CA 90213

Phone: (213) 274-2211

Founded: 1967. **Branch Office(s):** Alexandria, Virginia. **Principal Executive(s):** J. Jamison Moore, President. **Purpose and Activity:** Environmental auditors—preparation of environmental reports (EIR, EIS, EA, DRI, etc.) as required by regulatory authorities. Land use planning and environmental/economic feasibility studies. Special expertise in energy system audits.

★ 6699 ★

ATWATER CONSULTANTS, LTD.

318 Camp Street

New Orleans, LA 70130

Phone: (504) 581-6527

Founded: 1946. **Principal Executive(s):** O.R. Carter, Co-Chairman of Board; E.E. Miller, Co-Chairman of Board; Richard E. Heffner, President; W.G. Sinclair, Jr., Senior Vice President; G.B. Wiggins, Jr., Vice President; T.A. Johnston, Vice President. **Purpose and Activity:** Geological and engineering consultants to the oil and gas industry. Services include reserve estimates, economic analyses, field studies, exploration, and land management counsel.

★ 6700 ★

AURORA INCORPORATED

208 South Wayland Avenue

Sioux Falls, SD 57103

Phone: (605) 338-0555

Founded: 1982. **Branch Office(s):** Tampa, Florida. **Principal Executive(s):** Wayne R. Dorband, President; William C. Miller, Vice President. **Purpose and Activity:** A consulting firm which provides technical and administrative services through its five subsidiaries to clientele (municipalities, city, state and federal governments, industry and private individuals) throughout the nation. Specific subsidiary and related activities include: Analytica Laboratories, Inc.—laboratory analyses of physical, chemical, microbiological and radiological parameters with special emphasis on drinking water, EPA priority pollutants, NPDES organic and inorganic compliance testing, sediment and tissue chemistry, and forensic testing; Aquanalysis, Inc.—aquatic surveys and sampling services, biological analyses, aquatic systems management, aquaculture, technical research planning and development; Information Research, Inc.—electronic research and information retrieval and information portfolio development; Bluewater Harvester, Inc.—aquatic weed control; Agri-Sci, Inc.—agricultural research and development, farm management, economic forecasting, and product analysis. Clientele are often those who control aquatic systems, natural and created. Laboratory services for environmental and quality control needs are as varied as the market place.

★ 6701 ★

AUSTIN BROCKENBROUGH AND ASSOCIATES

4800 West Hundred Road

Post Office Box 4800

Chester, VA 23831

Phone: (804) 748-8746

Founded: 1955. **Principal Executive(s):** James A. Whitt; A.B. Sadler, Jr.; G.E. Kilgore; William F. Bell. **Purpose and Activity:** Consulting engineers specializing in civil, mechanical, electrical, planning, surveying - industrial process design, water and sewage systems, highways, drainage, site planning and environmental studies.

★ 6702 ★

AUSTIN, TSUTSUMI AND ASSOCIATES, INCORPORATED

745 Fort Street Mall, Suite 900

Honolulu, HI 96813

Phone: (808) 533-3646

Founded: 1934. **Branch Office(s):** Hilo, Hawaii; Kahului, Maui. **Principal Executive(s):** Donald S. Austin, President; Caesar S. Tsutsumi, Senior Vice President/Treasurer; Ted S. Kawahigashi, Vice President/Secretary; Kenneth K. Kurokawa, Assistant Vice President; George M. Neuffer, Assistant Vice President. **Purpose and Activity:** A firm of professional engineers and surveyors specializing in all phases of civil, hydraulic, structural, sanitary engineering and surveying. Offers master planning, preparation of feasibility reports and contract documents, and consultation during construction. Projects have included airport pavements and facilities; drainage systems;

highways and freeways; civilian and military housing; irrigation projects, jet fuel and petroleum oil facilities; sewerage systems, sewage treatment plants; city street and improvements districts; structural design for bridges, offices, industrial buildings and school structures; industrial and residential subdivisions; tunnels, water supply and distribution systems; water treatment plants; dams, traffic studies, construction surveillance, field surveys and miscellaneous civil engineering work.

★ 6703 ★

AUTOCON SYSTEMS

7998 Stonehurst Court

Pleasanton, CA 94566

Phone: (415) 846-1492

Founded: 1984. **Principal Executive(s):** Gregory J. Schneider, President. **Purpose and Activity:** Electronics engineering consultants serving both commercial and military systems companies. Primary activities include systems analysis, design and test through production. Design specialties include microcomputer based product design, automatic control/servo systems, high reliability/fault tolerant systems design, and custom analog and digital circuit design.

★ 6704 ★

AUTOMATED MANAGEMENT SYSTEMS, INC.

8401 Corporate Drive, Suite 610

Landover, MD 20785

Phone: (301) 459-9100

Founded: 1975. **Principal Executive(s):** Carlton Joseph, President; Wilbur Atwell, Secretary. **Purpose and Activity:** Offers consulting services in the areas of engineering, research and development, data processing, management, construction, estimating, and economics.

★ 6705 ★

AUTOMATIC CONSERVATION OF ENERGY, INC.

110 South Broadway

South Amboy, NJ 08879

Phone: (201) 727-6555

Founded: 1977. **Principal Executive(s):** George J. Manik, President. **Purpose and Activity:** Consultants and engineers in energy conservation.

★ 6706 ★

AVCA CORPORATION

4334 Secor Road

Toledo, OH 43623

Phone: (419) 473-3079

Founded: 1973. **Principal Executive(s):** Robert H. Avery, Chairman of the Board; William H. Christoffers, President. **Purpose and Activity:** Provides a diversified consulting service to industry and government. Offers the client the option of using services in selected areas or obtaining a total package design involving all the disciplines from one source. Areas represented are civil/structural, mechanical, electrical/control systems, instrumentation, and graphics. Also has in-house computer-aided design/drafting department which can help in the placement of computer workstations in client's facilities.

★ 6707 ★

AVCON UNIVERSAL CONSULTANTS CORPORATION

MR Two Woodcroft Road

Baden, PA 15005

Phone: (412) 869-5511

Founded: 1973. **Principal Executive(s):** E.S. Croswell, President; T.L. Croswell, Executive Vice President. **Purpose and Activity:** Avcon provides general business, scientific and technical consulting services. Specialties include: business diagnosis, advanced research, data processing, security systems design, market forecasts, airplane and seaplane operations, airport planning, aerospace technology transfer, cost effectiveness studies, man-machine systems analysis, military operations research, aircraft and spacecraft design, airplane test and certification, airport fixed base operation, energy system design and particularly applications requiring capability in several fields.

★ 6708 ★

AVENGCO, LTD.

26 Stowe Street

Waterbury, VT 05676

Phone: (802) 244-5375

Founded: 1975. **Branch Office(s):** Williamstown, Massachusetts. **Principal Executive(s):** Neil Vallencourt; Kenneth Vallencourt; Stephen T. Beloin; Ann M. Gilman. **Purpose and Activity:** Consulting engineers specializing in HVAC, plumbing, and electrical building services design.

★ 6709 ★

AVIAIDS

25131 Mackenzie

Laguna Hills, CA 92653

Phone: (714) 586-5967

Founded: 1979. **Principal Executive(s):** Richard Fritz. **Purpose and Activity:** Engineering consultant offering custom product design and custom instruments to the aviation industry. Specialties include ultrasonics, infra red, optics, microprocessors, software, technical writing and assistance with proposals.

★ 6710 ★

AWARE CORPORATION

201 Summit View Drive

Brentwood, TN 37027

Phone: (615) 377-3600

Founded: 1967. **Branch Office(s):** Houston, Texas. **Principal Executive(s):** W. Wesley Echenfelder, Board Chairman; James H. Clarke, President; Carl E. Adams, Vice Chairman; Perry W. Lankford, Vice President; Robert M. Stein, Vice President; James F. Hopkins, Treasurer. **Purpose and Activity:** Offers consulting and investigative laboratory services in industrial waste management, wastewater engineering, air and water resources engineering, and treatment plant operations.

★ 6711 ★

NORMAN N. AXELROD ASSOCIATES

445 East 86th Street

New York, NY 10028

Phone: (212) 228-0900

Founded: 1972. **Principal Executive(s):** Norman N. Axelrod, President; V.A. Grant, Vice President. **Purpose and Activity:** Technical consultants specializing in planning, design, and development of optical, electro-optical, and laser systems; optical/electronic applications for control, display, and communications; digital and analog; evaluation of technical and commercial feasibility of new systems; and program formulation and control.

★ 6712 ★

AYRES ASSOCIATES

1300 West Clairemont Avenue

Eau Claire, WI 54702

Phone: (715) 834-3161

Founded: 1959. **Branch Office(s):** Brighton, Colorado; Dallas, Texas; Gainesville, Georgia; Midland, Michigan; Saint Paul, Minnesota; Madison, Wisconsin; Green Bay, Wisconsin. **Principal Executive(s):** W.A. Schulenberg, Vice Chairman; Keith E. Glasshof, President; Patrick J. Quinn, Vice President; James E. Ritsch, Vice President. **Purpose and Activity:** Provides a comprehensive range of design, planning, and study services to industry and government in the fields of transportation engineering, environmental engineering (air pollution, water pollution, solid and hazardous waste), water resources engineering, architecture, planning, photogrammetry and automatic facilities management.

★ 6713 ★

B.R. LABORATORY

714 West 51st Street

Miami Beach, FL 33140

Phone: (305) 864-3374

Founded: 1963. **Principal Executive(s):** H. Bennett, Director; G. Vargas, Associate Director. **Purpose and Activity:** Consumer and industrial consulting chemists specializing in cosmetics, coatings, adhesives, polishes, waxes, detergents, sanitizers, and deodorants.

★ 6714 ★

BADER ENGINEERING

10245 Parkwood Drive

Cupertino, CA 95014

Phone: (408) 255-7408

Founded: 1982. **Principal Executive(s):** Ronald S. Bader. **Purpose and Activity:** Provides consulting services to industry in the areas of electronic product development, feasibility studies, and multidisciplinary systems simulation. Serves clients from printing and publishing industries.

★ 6715 ★

S.J. BAISCH ASSOCIATES, INCORPORATED

809 Hyland Avenue

Kaukauna, WI 54130

Phone: (414) 766-3521

Founded: 1958. **Principal Executive(s):** S.J. Baisch, President; L.J. Eimmerman, Vice President; K.H. Denis, Secretary. **Purpose and Activity:**

Offers complete engineering and architectural design, plans and report services to heavy industry, primarily the pulp and paper industry.

★ 6716 ★

MICHAEL BAKER CORPORATION

4301 Dutch Ridge Road

Post Office Box 280

Beaver, PA 15009

Phone: (800) 642-3790

Founded: 1940. **Branch Office(s):** Pittsburgh, Pennsylvania; Harrisburg, Pennsylvania; White Plains, New York; Aurora, Colorado; Chicago, Illinois; Jackson, Mississippi; Houston, Texas; Charleston, West Virginia. **Principal Executive(s):** Michael Baker, III, Chairman and Chief Executive Officer; Richard L. Shaw, President; Charles I. Homan; Phillip A. Koonce. **Purpose and Activity:** Offers consulting engineering services for steel and primary metals; chemical; general manufacturing; transportation; electric, gas and water utilities, communications; and coal and mining industries.

★ 6717 ★

MICHAEL BAKER, JR., OF NEW YORK, INC.

205 East 42nd Street

New York, NY 10017

Phone: (212) 986-7155

Founded: 1955. **Principal Executive(s):** Edwin J. Baker, President. **Purpose and Activity:** Design and inspection services for mechanical and electrical systems for commercial, industrial, municipal, institutional, college campuses, hospital, military and governmental projects. Including energy management and audits; energy monitoring and control; solar energy, on-site power, total selective and co-generation energy systems; heating ventilation, airconditioning, refrigeration, electrical power, lighting, fire protection and alarms, plumbing and drainage systems. Materials handling for postal and other facilities. Civil, structural, transportation planning and design, sanitary engineering; water and wastewater treatment, solid waste management and environmental impact statements.

★ 6718 ★

BALDWIN AND CORNELIUS, P. C.

101 South Bergen Place

Freeport, NY 11520

Phone: (516) 378-6760

Founded: 1926. **Branch Office(s):** Commack, New York; New York, New York. **Principal Executive(s):** Louis P. DiMatteo, President; Edwin H. Carlin, Vice President/Treasurer; Luke J. Galfano, Vice President; James S. Gusso, Vice President/Assistant Secretary; Arthur J. Koerber, Vice President/Assistant Secretary; Walter J. Pope, Secretary. **Purpose and Activity:** Performs consulting engineering services in the areas of civil, transportation, environmental, municipal, water supply and distribution; surveying - land, plane, geodetic, hydrographic and topographic surveys; and industrial and residential development planning.

★ 6719 ★

BALDWIN AND GREGG, LTD.

620 May Avenue

Post Office Box 2198

Norfolk, VA 23501

Phone: (804) 623-7300

Founded: 1908. **Branch Office(s):** Richmond, Virginia; Washington, D.C. **Principal Executive(s):** William R. Smith, President; Jesse G. Hite, Jr., Vice President and Secretary; John D. Clarke, Jr., Vice President. **Purpose and Activity:** A consulting engineering firm specializing in water and wastewater facilities, traffic and transportation, and stormwater management.

★ 6720 ★

ALB C. BALLAUER & COMPANY INC.

403 Morris Lane

Wallingford, PA 19086

Phone: (215) 872-2410

Founded: 1979. **Principal Executive(s):** A.C. Ballauer, President; W.L. Ballauer, Vice President; P.E. Ballauer, Secretary and Treasurer. **Purpose and Activity:** Offers rotary wing (helicopter) consultation with emphasis on helicopter accident investigation and related expert witness testimony.

★ 6721 ★

ROBERT B. BALTER COMPANY

18 Music Fair Road

Owings Mills, MD 21117

Phone: (301) 363-1555

Founded: 1963. **Branch Office(s):** Springfield, Virginia. **Principal Execu-**

tive(s): Barbara G. Balter, President; Lori A. Balter, Secretary and Treasurer; Edward G. Balter, Assistant Secretary; Robert B. Miller, Chief Engineer. **Purpose and Activity:** Offers Geotechnical and construction engineering consultation and design efforts to firms and individuals engaged in the planning and erection of civil engineering structures. Services provided range from development of foundation criteria and design, complete surface and subsurface exploratory work, including drilling, rock caring and geophysical investigations, through laboratory testing and analyses, and the inspection and supervision of construction.

★ 6722 ★

BALZER AND ASSOCIATES, INCORPORATED

16 South College Avenue
Salem, VA 24153

Phone: (703) 389-7323

Founded: 1966. **Branch Office(s):** Richmond, Virginia. **Principal Executive(s):** Donald J. Balzer, President. **Purpose and Activity:** Consultants in architecture, civil and structural engineering, comprehensive community planning, land development, zoning, and feasibility studies.

★ 6723 ★

BANNER ASSOCIATES, INCORPORATED

309 South Fourth Street

Post Office Box 550

Laramie, WY 82070

Phone: (307) 745-7366

Founded: 1947. **Branch Office(s):** Brookings, South Dakota; Cheyenne, Wyoming; Rapid City, South Dakota; Grand Junction, Colorado. **Principal Executive(s):** Calvin Vaudrey, President; F.A. Bishop, Vice President; F.M. Kopler, Vice President. **Purpose and Activity:** Consulting engineers and architects furnishing consulting and design services (including supervision of construction and inspection) of water supply and treatment facilities, sewage treatment facilities and sewage collection facilities, bridges, dams, tunnels, feasibility studies, airport facilities and master planning studies, and highways.

★ 6724 ★

BANSAL & ASSOCIATES INC.

61 South Squirrel

Auburn Heights, MI 48057

Phone: (313) 852-0055

Founded: 1981. **Principal Executive(s):** Santosh K. Bansal, President; J.A. Lombardo, Vice President; R. Gaines, Vice President. **Purpose and Activity:** Industrial, commercial, and municipal consulting engineers for electrical, mechanical, civil, and environmental projects.

★ 6725 ★

BARBER AND HOFFMAN, INCORPORATED

3101 Euclid Avenue

Cleveland, OH 44115

Phone: (216) 361-1400

Founded: 1934. **Principal Executive(s):** Donald W. Stenzel, President and Treasurer; Regis I. Campbell, Vice President; William C. Grossman, Secretary; Chunilal K. Lalwani; Harry G. Anderson. **Purpose and Activity:** Provides consultation, design, drawings, and specifications for all types of buildings and structures; collaborates with other professionals in developing the concept and execution of their buildings; consults with owners, governmental agencies, engineers, and contractors on problems of construction requiring engineering.

★ 6726 ★

J.R. BARBER & ASSOCIATES, INC.

405 Fifth Street

Post Office Box 3057

Manhattan Beach, CA 90266

Phone: (213) 379-7741

Founded: 1979. **Principal Executive(s):** John R. Barber, President. **Purpose and Activity:** Consulting engineers in satellite structures and mechanisms, hearings and gear tribology studies, environmental test plans, large ground antenna (parabolic steerable) and their feed and drive systems. Performs safety reviews of satellite and spacecraft handling/transporting procedures and equipment/facilities with emphasis on failure analysis of large bearings, gears, weldments, lubricants, and maintenance procedures on large machinery.

★ 6727 ★

BARBER-NICHOLS ENGINEERING COMPANY

6325 West 55th Avenue

Arvada, CO 80002

Phone: (303) 421-8111

Founded: 1966. **Principal Executive(s):** K. E. Nichols, President; R. E. Barber, Vice President. **Purpose and Activity:** Consultants to industry, government, and individuals in the areas of new product development, turbo-machinery, machine design, environmental control, and systems engineering. Designers and developers of solar power and refrigeration systems, geothermal power and pumping systems, and heat recovery power systems.

★ 6728 ★

BARER ENGINEERING

145 Ocean Avenue

Lakewood, NJ 08701

Phone: (201) 363-0714

Founded: 1966. **Principal Executive(s):** Seymour Barer, President. **Purpose and Activity:** Specialists in environmental engineering, chemical and mechanical engineering, pollution control and process industrial engineering. Services emphasize hazardous and toxic wastes, clean-up engineering, and explorative and investigation programs for industrial clients and landfill sites; start-up and construction supervision. Maintains complete small industrial wastewater treatment facilities and complete small chemical processing plant facilities. Also active in research and development of new products and processes in areas of expertise. Other services include forensic engineering, investigative reports, and expert witness.

★ 6729 ★

BARGE, WAGGONER, SUMNER AND CANNON

404 James Robertson Parkway

Nashville, TN 37219

Phone: (615) 254-1500

Founded: 1955. **Branch Office(s):** Cookeville, Tennessee; Huntsville, Alabama; Knoxville, Tennessee; Morristown, Tennessee; Tri-City, Tennessee. **Principal Executive(s):** Dan Barge, Jr., President; Billy T. Sumner, Executive Vice President; William L. Waggoner, Senior Vice President; William H. Cannon, Senior Vice President; John H. Wright, Vice President; Dixon L. Northcutt, Vice President; Jack L. Wood, Vice President; Barbara Faughn, Secretary and Assistant Treasurer. **Purpose and Activity:** Provides engineering consulting and related design services to all industries.

★ 6730 ★

BARLOW INTERNATIONAL, REGISTERED PROFESSIONAL ENGINEERS

6210 Massachusetts Avenue

Bethesda, MD 20816

Phone: (301) 229-6066

Founded: 1970. **Principal Executive(s):** Wallace D. Barlow, Chief Executive Officer. **Purpose and Activity:** Technical consultants in mining engineering and in resource economics. Professional staff includes experts in the following fields: water resources, geology, mineral economics, metallurgy, materials engineering, land reclamation, environmental assessment, dredging for minerals, geophysics, oil mining, oil brokerage and safety engineering.

★ 6731 ★

FRANK BARNES AND ASSOCIATES

Post Office Box 24704

Los Angeles, CA 90024

Phone: (213) 384-2317

Founded: 1972. **Principal Executive(s):** Frank Barnes. **Purpose and Activity:** Offers transportation, communications and traffic planning, engineering, and consulting for government agencies and private clients.

★ 6732 ★

M. BARNES & ASSOCIATES, INC.

444 South State, No. 302

Salt Lake City, UT 84111

Phone: (801) 363-1751

Founded: 1976. **Principal Executive(s):** M. Wade Barnes. **Purpose and Activity:** Consulting mining engineers offering computer-assisted ore reserve evaluation for the mining industry.

★ 6733 ★

BARNES & REINECKE, INC.

2375 Estes Avenue

Elk Grove Village, IL 60007

Phone: (312) 640-7200

Founded: 1934. **Branch Office(s):** Madison Heights, Michigan. **Principal Executive(s):** John E. Smart, President; John B. Rynak, Executive Vice President; John G. Ferkan, Vice President and Treasurer; Douglas W. Smart, General Manager. **Purpose and Activity:** Offers engineering design and development services to commercial and government clients covering all major engineering disciplines from initial feasibility studies to complete production.

★ 6734 ★

BARNETT AND HERENCHAK, INCORPORATED

24 Commerce Street

Newark, NJ 07102

Phone: (201) 623-6992

Founded: 1955. **Principal Executive(s):** Stewart C. Barnett, President; Alexander Herenchak, Vice President; Stephen Moriak, Secretary. **Purpose and Activity:** Offers architectural, engineering, and supervision services in the following fields: expressways, highways, bridges, site planning, commercial and industrial buildings, refuse disposal, sewage facilities, water facilities, surveys, electrical sub-stations and airports.

★ 6735 ★

BARNHART, JOHNSON, FRANCIS AND WILD, INCORPORATED

Avon Park North

Avon, CT 06001

Phone: (203) 678-0064

Founded: 1975. **Principal Executive(s):** Charles V. Francis, President; Harry E. Barnhart, Senior Vice President and Treasurer; Evert M. Johnson, Senior Vice President and Secretary; Edward Adason, Vice President; Maro H. Chapman, Vice President. **Purpose and Activity:** Provides multi-disciplined total project professional engineering services, including consultation, investigation, evaluation, management, planning, design supervision of construction, in connection with public or privately owned structures, buildings, equipment and processes.

★ 6736 ★

H. W. BARNHOUSE, INC.

706 13th Avenue

Vero Beach, FL 32962

Phone: (305) 567-6450

Founded: 1979. **Principal Executive(s):** H.W. (Bill) Barnhouse, President; Nancy Barnhouse, Secretary and Treasurer. **Purpose and Activity:** Offers general aviation consulting including FAA designated engineering representative services for flight test, flight analysis and aircraft structures, and airframe design services. Also offers consultation, investigation and expert witness testimony services to the legal profession relative to aircraft accident litigation as well as miscellaneous piloting and engineering assistance for aeronautical ventures.

★ 6737 ★

BARRETT, HARRIS AND ASSOCIATES, INC.

3000 Alpire Road

Menlo Park, CA 94025

Phone: (415) 854-7090

Founded: 1970. **Branch Office(s):** Fresno, California; Newport Beach, California; San Diego, California; Honolulu, Hawaii; Tamuning, Guam. **Principal Executive(s):** Frank H. Barrett, Jr., President; Phillip G. Harris, Vice President; Robert H. Born, Vice President; Scott C. Kvandal, Vice President. **Purpose and Activity:** Provides civil and sanitary engineering services to public agencies and private entities in the fields of water supply, wastewater disposal, drainage and flood control, solid waste management, roads and parking systems and related municipal facilities.

★ 6738 ★

HARLAND BARTHOLOMEW & ASSOCIATES, INC.

2701 Union Avenue Extended

Memphis, TN 38112

Phone: (901) 327-4222

Founded: 1919. **Branch Office(s):** Austin, Texas; Chicago, Illinois; Houston, Texas; Jacksonville, Florida; Raleigh, North Carolina; Richmond, Virginia; St. Louis, Missouri; San Antonio, Texas. **Principal Executive(s):** J. Robert Moore, President and Chief Executive Officer; Malcolm Drummond, Senior Vice President and Secretary; Joseph W. Guyton, Senior Vice President and Treasurer; Billy G. Stinson, Vice President; Edward D. Schippmann, Vice President; Alan R. Siff, Vice President.

Purpose and Activity: Offers consulting services in landscape architecture; civil, structural, traffic, transportation, environmental, electrical and utilities engineering; urban, regional, environmental, community development, land use, utilities and transportation planning; economic development; and real estate market research. Provides these services to federal, state, and local governments and private companies.

★ 6739 ★

BARTKUS AND ASSOCIATES, INCORPORATED

222 West Adams

Chicago, IL 60606

Phone: (312) 263-6545

Founded: 1963. **Principal Executive(s):** E. A. Bartkus, President; B. C. Larson, Vice President; Louis Sopkin, Vice President; Jonas Jurkunas, Treasurer. **Purpose and Activity:** Offers engineering and architectural service to industrial clients, including bulk materials handling, process design, layout studies, utilities surveys, cost estimates, plans and specifications, construction supervision, CPM programming, and air and water pollution control studies.

★ 6740 ★

BARTON-ASCHMAN ASSOCIATES, INCORPORATED

820 Davis Street

Evanston, IL 60204

Phone: (312) 491-1000

Founded: 1946. **Branch Office(s):** Houston, Texas; Minneapolis, Minnesota; Pasadena, California; San Jose, California; Washington, D.C.; Calgary, Alberta, Canada; Toronto, Ontario, Canada; Dallas, Texas; Tampa, Florida; Phoenix, Arizona. **Principal Executive(s):** George W. Barton, Chairman of the Board; Martin M. Blachman, President and Director; Frederic M. Schweiger, Executive Vice President; Rodney E. Engelen, Senior Vice President; Richard C. Gern, Senior Vice President; Michael A. Powills, Jr., Senior Vice President; Jean M. Keneipp, Senior Vice President; A. James Bates, Vice President; Harvey R. Joyner, Vice President; Barry D. Lundberg, Vice President; Charles W. Mosher, Vice President; Neil S. Kenig, Vice President; Richard J. Hocking, Vice President; Patrick A. Gibson, Vice President; John C. Mullan, Vice President; Louis A. Whitney, Secretary and Treasurer; Richard H. Pratt, Vice President; Robert C. Scales Deane M. Wenger, Vice President. **Purpose and Activity:** The firm's multidisciplinary practice encompasses traffic engineering and transportation planning, urban and regional planning, civil engineering, landscape design, and environmental and economic studies.

★ 6741 ★

BARTON & LOGUIDICE

290 Elwood Davis Road

Box 3107

Syracuse, NY 13220

Phone: (315) 457-5200

Founded: 1961. **Principal Executive(s):** Frank A. Loguidice, President; Edwin J. Barton, Executive Vice President; Lawrence W. Wormald, Vice President; S. Thomas Aiston, Vice President; Paul F. Dudden, Vice President. **Purpose and Activity:** Offers consulting engineering and architectural services for industry, municipal and private clients. Expertise in energy conservation for buildings.

★ 6742 ★

WALTER BASS & ASSOCIATES

Cooperstown, NY 13326

Phone: (212) 880-9655

Founded: 1971. **Principal Executive(s):** Walter Bass. **Purpose and Activity:** Provides telecommunications consulting services.

★ 6743 ★

BATTELLE MEMORIAL INSTITUTE

505 King Avenue

Columbus, OH 43201

Phone: (614) 424-6424

Founded: 1929. **Branch Office(s):** Richland, Washington; Seattle, Washington; Frankfurt, Germany; Geneva, Switzerland. **Principal Executive(s):** Sherwood L. Fawcett, Chairman and Chief Executive Officer; Ronald S. Paul, President. **Purpose and Activity:** This organization limits its activities to research and development, providing its services to industry and government on a contract basis. It is active in the physical, life and social/behavioral sciences.

★ 6744 ★

BAXTER & WOODMAN, INC.

8678 Ridgfield Road

Crystal Lake, IL 60014

Phone: (815) 459-1260

Founded: 1946. **Branch Office(s)**: Schererville, Indiana. **Principal Executive(s)**: H.S. Sundin, President. **Purpose and Activity**: Services cover the entire spectrum of industrial waste-related requirements including sampling and monitoring surveys, wastewater treatment and reuse investigations, laboratory and treatability study coordination, in-plant waste reduction studies, treatment system design and construction inspection, wastewater sludge management, user charge, and surcharge negotiations, and municipal treatment authority liaison. Services also cover engineering studies, planning, selection and designing of and closure of hazardous waste sites as well as establishing site management procedures.

★ 6745 ★

BAZZELL-PHILLIPS AND ASSOCIATES, INC.

1305 South Mattis Avenue

Champaign, IL 61821

Phone: (217) 356-0563

Founded: 1934. **Principal Executive(s)**: Charles K. Bazzell, President; Harrison C. Phillips, Executive Vice President and Treasurer. **Purpose and Activity**: Consulting engineers in the disciplines of civil, municipal, sanitary, architecture, land planning, landscape architecture and construction management.

★ 6746 ★

BC LABORATORIES, INC.

4100 Pierce Road

Bakersfield, CA 93308

Phone: (805) 327-4911

Founded: 1949. **Principal Executive(s)**: J.J. Eglin, President; Dan Schultz. **Purpose and Activity**: Analytical consulting laboratory working in the areas of petroleum, environmental pollutants, and construction materials.

★ 6747 ★

BCL ASSOCIATES, INC.

444 West Ocean Boulevard, Suite 1400

Long Beach, CA 90802

Phone: (213) 437-4148

Founded: 1980. **Principal Executive(s)**: Robert L. Litzenberg, President; James C. Crisp, Vice President. **Purpose and Activity**: Consulting environmental engineers offering services in hazardous waste management, remedial action, environmental planning, and safety and operations plans.

★ 6748 ★

BE & K, INC.

104 Inverness Center Place

Birmingham, AL 35243

Phone: (205) 969-3600

Founded: 1972. **Branch Office(s)**: Houston, Texas; Panama City, Florida; Research Triangle Park, North Carolina. **Principal Executive(s)**: Ted C. Kennedy, President; Thomas M. Goodrich, Vice President; Walter Childs, Vice President. **Purpose and Activity**: A high technology engineering/construction consulting firm specializing in services to the process industries of industrial power generation, pulp and paper, oil and gas, refining, chemicals and telecommunications.

★ 6749 ★

BEAK CONSULTANTS INC.

317 Southwest Alder, Eighth Floor

Portland, OR 97204

Phone: (503) 248-9507

Founded: 1968. **Branch Office(s)**: Denver, Colorado; Akron, New York. **Principal Executive(s)**: Andrew A. Auld, President; K. Perry Campbell; Phillip W. Morgan. **Purpose and Activity**: Environmental consultants serving the mining, hydroelectric, petrochemical, and pulp and paper industries as well as various government agencies.

★ 6750 ★

WALTER C. BEARD, INC.

Post Office Drive

Middlebury, CT 06762

Phone: (203) 758-2194

Founded: 1965. **Principal Executive(s)**: Walter C. Beard, President; Donald W. Henry, Secretary; Margaret McManus, Assistant Treasurer. **Purpose and Activity**: Offers counsel on aerosols-pressurized packaging, valves, components, and systems; on research and marketing including new production introduction; on product development; and on patent evaluation, development, and studies; also prepares testimony and expert witness in areas of aerosols, patents, and certain other technical fields.

★ 6751 ★

FRANK BEATY & ASSOCIATES

Post Office Box 9781

Birmingham, AL 35220

Phone: (205) 681-7750

Founded: 1960. **Principal Executive(s)**: Frank Beaty. **Purpose and Activity**: Offers engineering studies, design and specifications for: steam and hot water boilers, plants, piping systems; heating, ventilation and air conditioning for industrial processes and buildings; energy audits and conservation.

★ 6752 ★

BECHER-HOPPE ENGINEERS, INC.

Post Office Box 70

1130 Grand Avenue

Schofield, WI 54476

Phone: (715) 359-6147

Founded: 1954. **Branch Office(s)**: Minneapolis, Minnesota. **Principal Executive(s)**: A.E. Becher, Jr., President; James Schulz, Vice President. **Purpose and Activity**: Offers environmental and transportation engineering consulting services.

★ 6753 ★

BECHTOLD SATELLITE TECHNOLOGY CORPORATION

1987 Skyline Vista Drive

La Habra Heights, CA 90631

Phone: (213) 697-4009

Founded: 1974. **Principal Executive(s)**: Ira C. Bechtold, President; Gladys E. Bechtold, Secretary and Treasurer. **Purpose and Activity**: Provides consulting services in the application of space technology, remote sensing, space photography, geological and geophysical research to exploration for mineral, petroleum, and geothermal resources. Activities include land use studies; geologic hazards; development of resources; chemical and metallurgical engineering. Services provided to industry, government, academic institutions, and individuals.

★ 6754 ★

R.W. BECK AND ASSOCIATES

Tower Building

Seventh Avenue at Olive Way

Seattle, WA 98101

Branch Office(s): Columbus, Nebraska; Denver, Colorado; Indianapolis, Indiana; Minneapolis, Minnesota; Orlando, Florida; Phoenix, Arizona; Sacramento, California; Wellesley, Massachusetts. **Principal Executive(s)**: H.C. Westfall; R.B. Gallup; G.D. Jorgensen; E.J. Wittmann; W.R. Mayben; R.E. Bathen; B.L. Sturdevant; D.E. Burroughs; R.G. Taylor; M.D. Stenson; J.V. Williamson; K.P. Merriman; S.M. Alexander; E.A. Cecil; K.B. Porter; S.A. Windell; W.H. Peterson; D.E. Bowes; K.C. O'Brien; R.A. Bushley; C.H. Armstrong; G.D. Cornish; W.L. Porter; F.R. Saffer; N.A. Hill; D.J. Sack; D.T. Helsby; R.M. Cotte; D.R. Melnick. **Purpose and Activity**: Performs the following consulting services: system planning; economics; feasibility and financing studies; rates, valuations, and contracts; design engineering; construction engineering; system operations analysis; computer applications; research and development; management studies; and environmental studies.

★ 6755 ★

W. BOYNTON BECKWITH

14728 Caminito Orense Oeste

San Diego, CA 92129

Phone: (619) 672-1565

Founded: 1972. **Principal Executive(s)**: W. Boynton Beckwith. **Purpose and Activity**: Consulting meteorologist offering the following services: meteorological analysis for law firms, insurance industry, construction industry, and air carriers; reconstruction of weather related to accidents, expert witness at court cases; and general aviation climatological studies.

★ 6756 ★

J.A. BEGONIA, JR., CONSULTING ENGINEERS INC.

7435 East Stetson Drive

Scottsdale, AZ 85251

Phone: (602) 945-9569

Founded: 1958. **Principal Executive(s)**: J.A. Begonia, Jr., President. **Purpose and Activity**: Provides mechanical engineering consulting services, specializing in HVAC and plumbing.